

ANNUAL REPORT 2013-14



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

**ANNUAL REPORT & AUDIT REPORT
WITH
AUDITED STATEMENT OF ACCOUNT
2013-14**



**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
ALLAHABAD-211004**

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1

INTRODUCTION

Vision	1.1
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INTRODUCTION

1.1 VISION

- To establish a unique identity for the Institute amongst national and international academic and research organizations through knowledge creation, acquisition and dissemination for the benefit of society and humanity.

1.2 MISSION

- To generate high quality human and knowledge resources in our core areas of competence and emerging areas to make valuable contribution in technology for social and economic development of the nation. Focussed efforts to be undertaken for identification, monitoring and control of objective attributes of quality and for continuous enhancement of academic processes, infrastructure and ambience.
- To efficaciously enhance and expand, even beyond national boundaries, its contribution to the betterment of technical education and offer international programmes of teaching, consultancy and research.

1.3 GOALS

The standing of an Institution of higher learning is judged by its research activities and contribution in the advancement of knowledge in the emerging areas. The institute will make all efforts to strengthen collaborative research programmes in the following emerging areas with strong user (industry/society) linkages:

- **Advanced Technologies:** Construction Productivity Analysis, Mechatronics, Industrial Knowledge Management Systems, Development & Condition Monitoring of Flow Devices.
- **Electronics & Communication:** 4 G Wireless & Mobile Networks Signal Processing, Optical Computation and Communication, Sensor Network, VLSI, Embedded Real Time System.
- **Energy Engineering:** Bio-fuels, Solar Cells, Hybrid Renewal Energy Systems, Virtual Instrumentation, Distributed Energy System, Energy Audit, Development of Energy Efficient Devices & Technologies.
- **Environment:** Urban and Industrial Waste Disposal, Rural Water Treatment, Ground Water Management, Rain Water Harvesting.

- **Exploration Technology:** Remote Sensing and Resource Planning, Geotechnical Exploration
- **Global Business:** Strategic Alliances, Intellectual Property Rights (IPR), Logistics, Forex Management, Socio-economic Policy Planning.
- **Health Care:** Bio-mechanics, Genomics and Proteomics, Bio-informatics, Chem-informatics, Bio-Medical Devices & Rehabilitation.
- **Housing:** Health Monitoring and Rehabilitation of structures, Smart and Energy Efficient Structures.
- **IT & Services:** E-governance, Web Service, Social Networks, Web-3, Multi-media Technology, Digital Right Management Systems.
- **Manufacturing:** Nano-fabrication, Robotics.
- **Material Technology:** Composite, Smart, Multi-functional and Nano-materials, MEMS and Smart Sensors.
- **Strategic & Computing Technology:** Grid & Cloud Computing, P2P, Evolutionary Computing, information Security
- **Technology for Local & regional development:** Non-conventional Employment Opportunities, Rural-urban Migration, Social Entrepreneurship, People Public Participation (PPP)With the collaborative research programmes the research output in form of publication in SCI journals and patents will increase. Also effort will be made to double the sponsored and consultancy research project by the end of the next decade.

Centre of Excellence

Centre of Excellence in the respective fields of specializations from different academic departments will be set up. Following areas will be given due importance for establishing the centres of excellence.

- Advance Centre for Interdisciplinary Research
- Centre for Biomedical Devices & Implants
- Health Monitoring and Rehabilitation of Structures, M/Cs & Devices.
- Centre for Energy & Environment
- Virtual Instrumentation
- Next Generation Communication Networks

- Software Quality Certification & Software security
- Centre for Development & Condition Monitoring of Flow Devices
- Centre for Advance Manufacturing

Society

As an institute of National importance, activities of the Institute should make positive impact on the Society. In order to achieve the objective a centre shall be established to cater to the needs in the following broad areas:

- Promoting social awareness about national problem and possible solutions
- International Collaboration for faculty, students and researchers.
- Faculty Orientation and Development for the faculty members of different neighboring institute and our own faculty members.
- Skill Development for Rural Artisans and Unskilled persons.
- Innovation and Entrepreneurship Development.
- Provide facilities to underprivileged section of the society.
- Social Audit of Development Programs.

To Start Following New Academic Programmes:

- **M.Tech:** Hydro-power Irrigation Engineering, Transportation Engineering, Construction Engineering Management, Communication Systems, Energy system, Instrumentation & Signal Processing, Robotics & Automation, Nano-Technology.
- **B.Tech:** Mechatronics, Material Science & Engineering, Environment Engineering
- Integrated MBA, Executive MBA
- **Certificate Program:** Management of Engineering Litigation
- Joint thesis and research projects with industry participation.
- Institutional Assistantships to promote PG and Doctoral Programmes
- External registration for doctoral programmes for working professionals

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THE INSTITUTE

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THE INSTITUTE

2.1 Historical Background

Motilal Nehru National Institute of Technology (erstwhile Motilal Nehru Regional Engineering College) Allahabad came into existence in 1960 along with seventeen other Regional Engineering Colleges. The Regional Engineering Colleges had twin objectives, one, to create and nurture engineers and second, to integrate the nation by mandatorily inducting students from all over the country. The governance was shared by the respective State and the Centre. The institute was affiliated to the University of Allahabad as its Faculty of Engineering, until year 2000. In 2002, the college was renamed as **Motilal Nehru National Institute of Technology** and the governance was taken over fully by the Government of India. In 2007 the Institute was declared as Institute of National Importance by an Act of Parliament. Year 2010-11 celebrated the completion of 50 glorious years of its existence.

The foundation stone of the college building was laid by the architect of modern India, Pandit Jawahar Lal Nehru in 1961 and the building was inaugurated by another illustrious son of the soil Shri Lal Bahadur Shastri in 1965.

In 1961 the first batch of 100 students was admitted to three Bachelor of Engineering (B.E.) programmes, viz. Civil, Mechanical and Electrical Engineering. The Master of Engineering programme (M.E.) began in 1967 with two programmes in Mechanical Engineering followed by three programmes in Civil Engineering in 1971. In 1973 the Institute was identified as Quality Improvement Programme Centre for M.E. and in 1975 for Ph.D., in Mechanical Engineering. The first Ph.D. was awarded in 1975 in Mechanical Engineering. To add a new dimension to itself the Institute established School of Management Studies in 1996, which offers a two year / four semester post graduate degree programme in Management (MBA).

In the year 1972, the Institute initiated a self-employment project and established an Industrial Estate with 68 sheds. The Institute received assistance from the UNESCO during the period 1967-72 for equipment, faculty training and post-graduate programmes.

This Institute was selected for Indo-British REC programme for a period of five years (1994-99), which primarily focused on enhancing the exposure of faculty in emerging disciplines through study and interaction visits. Under the World Bank funded Technical

Quality Improvement Programme (TEQIP) of Government of India, the Institute was recognized as Lead institution for TEQIP (2002-07) as well as for TEQIP- II (2008-13). At present MNNIT is proud to offer nine undergraduate, 25 post graduate (M.Tech., MCA, MBA, MSW and M.Sc.) and doctoral programs in all disciplines of engineering, applied sciences, social sciences and management, to around 4000 undergraduate, 2000 post graduate and 200 doctoral students, through fourteen academic departments/schools/cells. The students come from all the States as also from many other countries, including SAARC and Middle-east Asia, Europe, USA and New Zealand. The infrastructure of the institute is at par with the best institutions in the country; the computer centre has state-of-the-art computing facilities, departments have modern laboratories and the library houses print as well digital learning resources. Most of the class rooms are air conditioned and equipped with multimedia pedagogical tools. The entire campus, including hostels, executive development centre and residential area is connected with 1.25 Gbps internet connectivity. The Institute provides modernized Lecture Halls, well equipped Laboratory, seminar room, computer centre and Library in support of smooth running of classes of various M.Tech (Part- Time) programs, Faculty Development programs, Conferences/Seminars, Short Term Courses & Training programs.

2.2 Location

The city of Allahabad is situated at the confluence (Sangam) of three rivers Ganga, Yamuna and the mythological Saraswati. The earlier settlements of Aryans were established in this city, then known as Prayag; later it became the capital of the glorious Guptas. In 1583, Emperor Akbar built the fort at Sangam, where lies the Ashoka pillar, 11m high dating back to 232 B.C., having inscriptions of Samudragupta and Jehangir. The city was later ruled by the Marathas. It was finally ceded to the British by the Nawab of Awadh in 1801. In the 20th century the city became the nerve centre of India's freedom movement. Allahabad is known for academic ambience and presently houses six national level institutes/universities.

The maximum and minimum temperature of the city reaches 47°C and 4°C respectively. However, the normal temperature in summer ranges from 35°C to 25°C and in winter from 20°C to 10°C.

2.3 Campus

The Institute is spread over in area of 222 acres on Lucknow-Allahabad highway near the banks of the river Ganga in Teliarganj locality. The campus is divided into three parts:

1. Academic and Administrative Building, Banks, Sports field, Tennis Courts and Gymnasium, Hostel for P.G. Students and Multipurpose Hall.
2. Hostels for male students, Student Activity Centre and Industrial Estate.
3. Residential Area for faculty and staff, Executive Development Centre, Girl's hostel, International hostel and Dispensary.

The first Prime Minister of India, Pt. Jawahar Lal Nehru had laid the foundation stone on May 3, 1961.

The main building was inaugurated by another illustrious son of India, late Prime Minister Sri Lal Bahadur Shastri on Apr. 18, 1965. A quiet and congenial atmosphere for studies and research at the highest level prevails in the campus.

The Institute is about 9 km from Allahabad Junction Railway Station and about 4 km from the Prayag Railway station and 16 km from Bamrauli Air Port.

2.4 Administration

Board of Governors is the apex administrative body. The Director is the Principal Academic and Executive Officer of the Institute and is responsible for the proper administration of the Institute and for imparting instructions, maintenance of discipline therein. Director is assisted in his day to day work by Deans, Heads of the departments, Faculty-in-Charge for various functions, Registrar, other officers and various committees.

2.5 Academic Programmes

The Institute offers nine B.Tech, twenty three M.Tech, MCA, MBA, MSW and M.Sc. programmes. It also offers doctoral programmes in all the disciplines of Engineering, Sciences, Management, Humanities and Social Sciences.

2.6 Admission Procedure

B Tech. - Admissions are made on the basis of JEE (Mains) and counseling is conducted by CSAB, on behalf of the Govt. of India, MHRD.

M.Tech- Admissions to the regular M.Tech. Programmes are made only on the basis of the GATE Score through Centralised Counseling for M.Tech. admission in NITs (CCMT). Admissions to M.Tech (Part Time) and M.Tech (Sponsored) programmes are made on the basis

of national-level test and counseling conducted by the Institute. Further, admission to M.Tech programme is also offered under the QIP scheme of AICTE.

MBA-Admissions to the M.B.A. programme are made on the basis of the combined merit of CAT (conducted by IIMs) score and the GD/PI conducted by the Institute.

MCA-Admissions to M.C.A. programme are made on the basis of the rank in NITs MCA Common Entrance Test (NIMCET).

M.Sc. (Mathematics and Scientific Computing): Admissions to M.Sc. (Mathematics & Scientific Computing) programme are made on the basis of the rank of Joint Admission Test for M.Sc.(JAM) conducted by IITs.

M.S.W. (Master of Social Work): Admissions to M.S.W. programme are made on the basis of the rank in national-level test conducted by the Institute.

Ph.D.: Admission to Ph.D. (Regular/Part-time/Sponsored) programme are conducted on the basis of the rank in national-level test conducted by the Institute followed by the personal interview.

2.7 Students

The Institute admits nearly 814 students to nine undergraduate programmes, 556 students to various M.Tech. programmes, 93 to MCA, 93 to MBA, 23 in M.Sc. and 23 in M.S.W. In addition nearly 20 students are admitted in different doctoral programmes. Students from countries such as Sri Lanka, Nepal, Bangladesh, Mauritius, Malaysia, Iran, Yemen, Iraq, Palestine, Syria, Saudi Arabia and Thailand also join MNNIT for various academic programmes. Teachers from other institutions come here to pursue M.Tech. and Ph.D. under QIP scheme as well as under self sponsored scheme. Large number of industry executives also join for Ph.D. programmes either as full time or part time (off campus) candidates.

2.8 Examination and Evaluation

The examination process is continuous, learning-oriented and transparent. Students' performance is evaluated on the basis of one mid term and one end term examination for each course, along with teacher's assessment, which is based on regularity of attendance, submission of assignments and class participation. The Institute is following a grading system with nine letter grades to denote various levels of performance.

The academic performance of each student is reviewed by a committee consisting of the Chairman SUGC/SPGC, the Dean (Academic) and the DUGC/DPGC Conveners at the end of

each semester including summer semester. The academic performance is evaluated on the basis of grades obtained in courses registered, SPI and CPI.

10th Convocation of the Institute was held on **31-10-2013** in which a total **1306** degrees were conferred including 55 Ph.Ds.

2.9 Hostels

The Institute is a fully residential institution. At present there are seven boys' hostels, which are named after Purushottam Das Tandon, Madan Mohan Malviya, Bal Gangadhar Tilak, Sardar Vallabh Bhai Patel, Ravindra Nath Tagore, Sir C.V. Raman and Swami Vivekananda. Besides these Boy's hostels, one is exclusively for PG students.

Presently the Institute is having two girls hostels located inside the campus for accommodating girl students. They are named after Sarojni Naidu and Kamala Nehru. An International House for Ph.D. students is also located inside the campus. Hostel Messes are managed by nominated student representatives under the overall supervision of Chief Warden and team of Warden Incharge Boys' & Girls' Hostel and Wardens-I/Wardens-II.

2.10 Extra-curricular Activities

The Institute provides ample avenues for the development and nurturing of creative and other talents in the students through Student Activity Centre (SAC). All the activities are managed by students under the guidance of President SAC and a team of Faculty In-Charges for various events. The prime bodies under SAC are Students' Club and Gymkhana, which provide avenues for cultural and technical events, indoor games and outdoor games. Students are also encouraged and facilitated to take part in similar events in other institutions.

Student Activity Centre (SAC)

The centre provides ample avenues for the development and nurturing of creative and other talents in the students. All the activities are managed by students under the guidance of President SAC and a team of Faculty In-Charge for various events.

Gymkhana

Gymkhana is a student governed organization that cultivates leadership, encourages students to participate in outdoor activities, and provide facilities for games and sports. The members of the staff monitor activities of Gymkhana and help the students in organizing and managing their

functions. Gymkhana provides facilities for out-door games like Athletics, Cricket, Foot-ball, Hockey, Badminton, Basket-ball, Base-ball, Lawn-Tennis, Squash, Gymnastics, Yoga-Exercise, Boxing and Volley-ball etc.

Each game is looked after by a captain and an officer in charge. Captain of the game is nominated by the President Students Activity Centre. All the games are properly run with the assistance of Gymkhana staff.

Students' Club

Student's Club is divided into ten main sections. (a) Literary (b) Astronomy (c) Photography (d) Robotics (e) Modelling (f) Dramatic and Music (g) Painting (h) Indoor Gams (i) Radio and (j) Film. Each section is looked after by committee of students elected from each hostel under the guidance of faculty member, nominated by the President.

Activities Organised Under SAC 2013-2014

Motilal Nehru National Institute of Technology had an exceptional of year 2014-2015 in terms of the events organised by the Students Activity Centre. During this year From Apr. 2013 to Mar. 2014, the institute witnessed a very vibrant and enthusiastic time. The various activities taken up by the students Activity Centre kept the students involved in co-curricular activities and helped them groom their personality in a manner that is well defined for an institute of national importance.

The annual technical and quizzing festival of the institute, 'Avishkar' and "Gnosomania" witnessed the presence of some magnetic personalities like Shiv Khera, Chetan Bhagat, Nakul Shenoy and Shabnam Aggarwal alongwith the jovial Jai Chinyara for Samvedna event, who talked about their experiences in life and motivated students towards doing better in their life and following their dreams. They also motivated students to groom their leadership qualities and to be true to themselves. Nakul Shenoy, an illusionist, also entertained the students with his hypnotic skills and mind-reading abilities, enthralling the audience by his tricks. Avishkar also brings out the technical intelligence of students hidden in them. From robotics to aeromodelling, there are many events that students participate in with zest and zeal.

The Annual sports meet saw the team spirit and sportsmanship in the students. The Athletic meet held from Mar. 6-8, 2014 witnessed various events such as running events, jumping events and throwing events. Each category consists of various sub categories. Running events comprised of 100m, 200m, 400m, 800m, 1500m, 3000m, 5000m, various relay races- 4X100m,

4X400, hurdles, etc. Jumping events comprise of High Jump, Long Jump, Tripple Jump. Throwing Events included Shot-put, discus throw, Javelin and Hammer. Various informal events included sports like Tug of War and others. More than twelve colleges including BBS College of engineering, JK Institute, IERT, IIIT, UCCR, SHIATS, SPMMIT, LDC, Devprayag Institute, Shambunath Institute and Rizwi College participated in the same.

Alongwith these major events, Student Activity Centre regularly organises various personality grooming classes, and has been a proud member of SPICMACAY, Allahabad chapter, and has been conducting VIRASAT, under which various famous personalities have visited the campus for their live concerts, making the students come closer to their culture and tradition. The various artists who performed last years were Vidushi Sonal Man Singh, Vidudushi Girija Devi and many others. Various workshops were also held for the same cause in which students participated in large numbers. Also, many other events were organised which include Diamond Jubilee Techno Cricket Cup and participation in All India Inter NIT Sports Meet.

- **ALL INDIA INTER NIT SPORTS MEET**

Organized By: NIT Suratkhal

Date: Mar. 22-24, 2013

- **Results:** Gold: 3 (Girls): 800mt, 1500mt and Cross Country

Silver: 1 (Boys): Hammer Throw

Bronze: 5 (4 Girls & 1 Boys) 4x100mt relay; Shotput Throw

Award for Best Champion Athlete (Girls): Kriti Singh, B. Tech II/Mechanical Engineering.

- Workshop on “Human Efforts, Destiny and Gods Grace: Way to Success” organized for first year students on Aug. 23, 2013.
- Vocal Performance by Pt. Sanjeev Abhayankar organized in association with SPIC MACAY on Aug. 27, 2013.
- Kathak performance by Padma Bhushan Uma Sharma organized in association with SPIC MACAY on Sept. 5, 2013.
- Delamation contest on topic “Relevance of Gandhian thoughts in present scenario”/ “वर्तमान परिदृश्य में गांधीवादी विचारों की प्रासंगिकता” organized on Oct. 2, 2013
- Students participated in Udghosh 2013 which was held at IIT Kanpur during Sept. 26-29, 2013.

- Institute techno management festival Avishkar/ Gnosomania organized during Oct. 2 -5, 2013.
- Students participated in six events viz. Football, Kho-Kho, Table Tennis, Athletics, Carom and Chess in Udghosh 2013 which was held at IIT Kanpur and won six gold medals, eight silver medals and two bronze medals.
- Students participated in Inter NIT sports meet for the five events (Athletics, Badminton, Table Tennis, Chess and Cricket) organized by NIT Trichy during Feb. 9-12, 2014
- Students participated in Annual Technical Festival of IIT Kanpur “Kshitiz”
- Successfully organized woolen clothes collection drive and to distributed slothes among the poor people in Allahabad on Feb. 9, 2013 during Magh Mela.
- Participated in cultural festival of IIT Kharagpur i.e Spring Fest organized during Jan. 23-26, 2014.
- Participated in Inter NIT sports meet for the three events (Kho-Kho, Table Tennis and Football) organized by NITK Suratkhal during Jan. 9-12, 2014.
- Organized Puppet show by Kolkata Puppet Theatre (Padma Shri Suresh Dutta) in the Institute on Nov. 18, 2013.
- National Education Day celebrated on Nov. 11, 2013 in the Institute and chart paper based poster competition on the topic “Importance of Education” was also organized.
- Participated in Inter NIT sports meet organized by NIT Trichy during Feb. 9-12, 2014 and won in the following events:
 - 1) **Athletics:** Overall Champions (Boys and Girls)
Gold Medals: 21
Silver Medals: 12
Bronze Medals: 10
 - 2) **Chess:** Champion (Winners)
 - 3) **Badminton:** Runners up
- Annual Athletics Meet organized during Mar. 6-8, 2014
- Participated in Inter NIT sports meet organized by NIT Trichy during Feb. 9-12, 2014 and won in the following events:
 - 4) **Athletics: Overall Champions (Boys and Girls)**
Gold Medals: 21
Silver Medals: 12
Bronze Medals: 10

5) Chess: *Champion (Winners)*

6) Badminton: *Runners up*

- Students participated in taekwondo event of Spardha sports festival of BHU Varanasi during Feb. 20-23, 2014.
- Students participated in IETE Techno Cricket Cup at JK Institute Allahabad during Mar. 9-12, 2014.
- 47th Annual Athletic Meet was organized during Mar. 6-8, 2014. MNNIT Allahabad won the overall championship.
- Students participated in technical festival organized by Indian Institute of Technology Roorkee during Mar. 21-23, 2014
- Students participated in technical festival organized by Indian Institute of Technology BHU Varansi during Mar. 7-9, 2014.
- Students participated in the technical festival organized by Indian Institute of Technology Kanpur during Mar. 6-9, 2014.
- A classical concert was organized by SAC through SPIC MACAY in the Institute on Mar. 31, 2014. Following two artists performed on this occasion:
 - ❖ Vidushi Sonal Man Singh
 - ❖ Vidudushi Girija Devi

2.11 Training and Placement

Campus Recruitment Programme conducted by this Institute is a very vital Activity. A very close interaction between the students and company executives has created excellent placement record. The student members of the placement committee actively participate in organizing campus recruitment programmes. By hard work and dedication, our students have created enviable position in Indian Industries.

The Institute has excellent record of assuring jobs in prestigious organizations before they leave the Institute. Over 153 companies visit the Institute during the year-2013-14 for Campus Selection, including M.N.Cs., Public Sector, Defence and leading Private Sector Companies.

This year one of our students Ms. Anshu Maheshwari from B.Tech Computer Science and Engineering got a record offer of Rs. 24 LPA (CTC) from DevFactory.

Besides this, the Department also arranges summer training Programme for students of B.Tech 6th Semester and MBA 2nd Semester.

The following table gives the statistics of placement for the passed out batch 2013-14.

For B.Tech. Courses:

Courses	No. of Eligible students	No. of students selected	%age of placement
B.Tech. Bio-tech Engineering	25	17	68.00
B.Tech. Chemical Engg.	34	23	67.64
B.Tech. Civil Engineering	78	40	51.28
B.Tech. Comp.Sc. & Engg.	152	141	92.76
B.Tech. Electronics & Commn Engg.	141	115	81.56
B.Tech. Electrical Engg.	66	49	74.24
B.Tech. Information Technology	77	68	88.31
B.Tech. Mechanical Engg.	125	77	61.60
B.Tech. Production & Ind. Engg.	31	21	67.74
Total	729	551	75.58

For M.Tech and other P.G. Programme

Courses	No. of Eligible students	No. of students selected	%age of placement
MCA	80	56	70.00
MBA	81	57	70.37
M.Tech.(Over All)	318	163	51.25
MSC	04	01	25.00
MSW	09	06	66.67
Total	492	283	57.52

List of placed students is given in **Annexure 6**

2.12 Notable Achievements

The year has been highly fruitful in terms of academic achievements. The faculty members visited various countries as invited faculty and to attend international conferences. A total of 406 research papers were published. 39 books were published by faculty during the year. A number of faculty members have received national and international honours and awards. 52 Faculty members were invited to deliver talks and lectures. 56 research projects are undergoing in various departments. Large number of faculty attended conferences, workshops and seminars. A large number of guest lectures were organised for the benefit of students, from scholars of international repute.

3

GENERAL FACILITIES AND SERVICES

Computer Centre	3.1
Mechanical Workshops	3.2
Laboratories	3.3
Centre for Interdisciplinary Research (CIR)	3.4
Central Library	3.5
School for non-Formal and Continuing Education (SNFCE)	3.6
Intellectual Property Right Cell (IPR Cell)	3.7
National Cadet Corps (NCC)	3.8
Institute Health Care Centre	3.9
Vehicle Section	3.10
Women Grievance Cell	3.11
Alumni	3.12
Canteen	3.13

GENERAL FACILITIES AND SERVICES

3.1 Computer Centre

The Computer Centre is equipped with 300 state of the art Pentium machines with Windows and LINUX environment. The computer centre is solely responsible for keeping Computation related facilities available to each and every member of MNNIT Allahabad. Computer Center provides Email, Web, DNS, FTP, Internet access, HPC and other services 24 hours and 365 days a year. Computer Centre also provides various advance and special purpose software for all the campus users. 24x7 internet connectivity with 1200 Mbps [1000Mbps(1:1) from NKN (through Railtel) ,200 Mbps (1:1) from BSNL] is provided using optical fiber backbone covering departments, student hostels and residential areas. Wired & wireless internet connectivity in the campus.

3.2 Mechanical Workshops

Mechanical Workshop is one of the Central facilities of Monilal Nehru National Institute of Technology Allahabad. Mechanical Workshop has seven different shops such as; Machine Shop, Welding Shop Carpentry, Sheet Metal, Fitting, Foundry and Smithy.

All B.Tech. first year students (all branches), B.Tech 4th, 5th, 6th, 7th and 8th Semester of Mechanical and Production Engineering have to study their practical. As per new curriculum, the M.Tech. CAD/CAM, Mechanical and Production Engineering (regular & part time) students also have to perform the practical in different shops of Mechanical Workshop. In Mechanical Workshop, the project of Ph.D. Research Scholars are also fabricated and manufactured related to Ph.D. Mechanical Workshop provides facilities to all the departments of the Institute.

3.3 Laboratories

Department	Name of the lab/workshop
Applied Mechanics	1. Experimental Solid Mechanics Laboratory 2. Biomedical Engineering Laboratory 3. Strength of Material Laboratory 4. Material Science & Engineering Laboratory 5. Fluid Mechanics Laboratory 6. Compressible Flow Laboratory 7. Structural Analysis Laboratory

	<ol style="list-style-type: none"> 8. Materials Development Laboratory 9. Fluids Engineering Laboratory 10. DST-FIST Computational Laboratory 11. Computational Laboratory 12. AMD Workshop 13. Experimental Stress Analysis Laboratory 14. Non Destructive Testing Laboratory 15. Dynamics of Machines Laboratory 16. Vibration Laboratory 17. Robotics Laboratory
Biotechnology	<ol style="list-style-type: none"> 1. Laboratory-I 2. Laboratory-II 3. Bioinformatics laboratory 4. Green house 5. Experimental field
Civil Engineering	<ol style="list-style-type: none"> 1. Structural Engineering Laboratory 2. Geotechnical Engineering Laboratory 3. Environmental Engineering Laboratory 4. Transportation Engineering Laboratory 5. Survey Laboratory 6. CAD Laboratory 7. Geology Laboratory
Computer Science and Engineering	<ol style="list-style-type: none"> 1. Information Security 2. Vision 3. Laboratory for Post Graduate 4. Computer System 5. Computer Programming 6. Software Testing 7. SOA/Distributed Computing
Electrical Engineering	<ol style="list-style-type: none"> 1. Computer simulation 2. Virtual Instrumentation Lab 3. Power Electronics Lab

	<ol style="list-style-type: none"> 4. Control System Lab 5. Electrical machine & Power System Lab 6. Measurement & Instrumentation Lab 7. Departmental Research Unit (DRU)
Electronics Engineering	<ol style="list-style-type: none"> 1. Basic Electronics 2. Advanced Electronics 3. VLSI 4. Computer Architecture 5. Communication 6. Project and PCB 7. Microwave 8. PARAM
Mechanical Engineering	<ol style="list-style-type: none"> 1. Metrology Lab 2. Machine Tool & Advanced Machining Lab/EDM Lab 3. I.C. Engine 4. Steam Engine Lab 5. Refrigeration&AirConditioning Lab 6. Automobiles Engg. 7. Instrumentation Lab 8. HMT & Solar Energy Lab. 9. Computational Research. Lab 10. Machine Element Lab 11. Drawing Office 12. CAD Lab 13. CAM Lab 14. Departmental Library& Seminar Room 15. Product Design and Manufacturing (PDM Lab) 16. Mechatronics and Virtual Instrumentation Lab 17. Materials Characterization Lab

Chemical Engineering	<ol style="list-style-type: none"> 1. Chemical Reaction Engineering 2. Chemical Technology 3. Computer Aided Design 4. Environmental Engineering 5. Fluid Particle Mechanics & Mechanical Operation 6. Mass Transfer 7. Process Dynamics & Control
Chemistry	<ol style="list-style-type: none"> 1. Undergraduate Chemistry
Physics	<ol style="list-style-type: none"> 1. Undergraduate Physics
HSS	<ol style="list-style-type: none"> 1. Language Lab
SMS	<ol style="list-style-type: none"> 1. Digital Management Lab 2. Behaviour Dynamics Lab
GIS Cell	<ol style="list-style-type: none"> 1. GIS

3.4 Centre for Interdisciplinary Research (CIR):

The Centre for Interdisciplinary Research (CIR) was established by the Institute in order to promote cross-interdisciplinary research. The Centre was inaugurated by Prof. P. Chakrabarti Director, MNNIT Allahabad on Nov. 28, 2012. In view of the dramatic developments in the field of Science and Technology research, CIR has been established in the Institute to keep pace with current cutting edge research.

One of the primary objectives of Institute is to provide best research and analytical facilities for its entire undergraduate, postgraduate, research scholars and faculty. With this vision the CIR is being established in the Institute. In addition to serving the Institute, the Centre also welcomes researchers from all over the country to use the facility at nominal cost. The Centre also looks forward for collaborative research program with other leading Technical Institutions/Universities and Research laboratories. The functioning of CIR is being coordinated by a core committee and a technical committee constituted by the Director from among the faculty members of the Institute. The objective of the centre is:

1. To house all high-end machine and equipments at one central place to avoid duplication in individual departments.
2. To promote cross-disciplinary research.

3. To provide the state-of-art facility for the young scientists to carry out their research work smoothly and simultaneously to promote patents in the field of technology.
4. To encourage research projects aimed at the development of new devices, techniques and tools.
5. To organise short-term courses/workshops on the application and hands-on-training of various instruments and techniques for undergraduates, postgraduates, research students and faculties.
6. To develop device prototypes for possible commercialization.

Experimental facilities functioning at present in CIR are X-ray Diffractometer, Scanning Probe Microscopy (SPM), Pulsed Laser Deposition, RF/ DC Sputtering System, Vacuum Coating Unit, Spectroscopic Ellipsometer, Fluorescence Spectrometer, Scanning Tunnelling Microscope (STM), Semiconductor Parameter Analyser, Programmable Spin Coater, Scanning Electron Microscopy (SEM) with Micro universal testing machine (Micro UTM), Ultra Pure Water Purification System (Milli-Q) and Electrochemical Analyzer.

In addition to the above, some more highly sophisticated equipments namely Optical Table, Particle Size Analyser (Microtrac), Thin Film Deposition System, Three Stack Furnace are in the process of shipment and will be installed shortly.

The facilities created in CIR have been extensively used by the B.Tech, M.Tech. Ph.D. Students and faculty members of different Departments since their installation

CIR has also contributed for the publication of few research papers.

Details of the experimental set up and published papers are given in **ANNEXURE 10**

3.5 Central Library:

An area of about 2455.49 sqm. has been occupied by the present library building. It contains a Reading Hall 388 sq.m in which 100 readers can be accommodated at a time, a Stack-room of 470.42 sq.m having a collection of about 95,801 approx books. A Bound Periodical section having a collection of 15,331 approx volumes and a sitting capacity of 40 readers at a time, a current periodical section of which 239 periodicals (Print + Online) are being subscribed annually at a cost of Rs. 4,51,00,000-00 approx also having a sitting capacity of 40 readers at a time.

Membership:

The membership of the Central Library is open to students, teachers and the other administrative and technical officer and staff of the institute. The present membership is about 4950 approx.

Working Hours:

The Library working hours are from 9:00 am to 12:00 midnight. The circulation section will remain open between 09:30 am to 07:30 pm on week day. On Saturdays / Sundays will remain open between 10:30 am to 1:45 pm. A total to 37842 approx books were transaction during the year.

Collection as on 31-3-2014

Bound periodicals	15,331
Books and other reading material	95,801
Total	1,10,432

Additional during the year (01-04-2013 to 31-03-2014)

Book and other reading material	700
Total	700

Additional during the year (01-04-2013 to 31-03-2014)

eBooks	15064
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Journals:

During the current year the library subscribed 239 Journals (International- 201+National-38).

News Paper and Magazine:

News paper and Magazine corner is located at First floor in the Library. The Library subscribes **24** newspapers (**15** Hindi+**09** English) and 14 popular magazines on different topics.

Internet Access Facility:

The Central Library provides 25 internet connections to its user and majority of students frequently use on-line journals for their research activities.

Multimedia Library:

Video viewing facility is available for self study through video tapes of course materials and lecturing facility for all users during all working days and Saturdays and Sundays. More than 1343 video tapes are available with the library.

National Programme on Technology Enhanced Learning (NPTEL):

NPTEL provides E-learning through online Web and Video courses in Engineering, Science and humanities streams. The mission of NPTEL is to enhance the quality of Engineering education in the country for access of video courses, please click <http://172.31.100.75>.

Online Public Access Catalogue (OPAC):

Library has fully computerized catalogue search facility available to users through intranet.

Library Subscribe e-Resources (01-04-2013 to 31-03-2014)

<i>e-Resource subscribed in Year 2014</i>
<i>Sage Publication</i>
Sage Journal of Composite Material - 2014 (January to December)
Sage IMechE subject Collection - 2014 (January to December)
<i>Taylor & Francis</i>
Math Collection - 2014 (January to December)
Physics Collection - 2014 (January to December)
Chemistry Collection - 2014 (January to December)
Engineering Collection - 2014 (January to December)
<i>Springer Verlag</i>
Springer OJA Computer Science [Pre 1997 (From Vol. 01 , Issue 01)]
Springer OJA Engineering [Pre 1997 (From Vol. 01 , Issue 01)]
Springer Protocols (Life Science) : Archives (One time cost with full ownership) 1980-2013

Springer Protocols (Life Science) - 2014 (January to December)
Springer Material (Landotl Bornstein Series) - 2014 (January to December)
Lecturer Notes on Computer Science from Springer - 2014 (January to December)
<i>Elsevier Science Direct 08 Subject Collection</i>
Computer Science - 2014 (January to December)
Engineering - 2014 (January to December)
Material Science - 2014 (January to December)
Physics & Astronomy - 2014 (January to December)
Mathematics - 2014 (January to December)
Biochemistry, Genetics and Molecular Biology - 2014 (January to December)
Immunology and Microbiology - 2014 (January to December)
Chemistry - 2014 (January to December)
Science Direct Back files (Engineering and Technology) - (Year 1995 and onwards)
<i>Cambridge University Press</i>
Robotica - 2014 (January to December)
Journals of Fluid Mechanics - 2014 (January to December)
<i>WEB OF SCIENCE</i>
Web of Science (Science Citation Index Expanded) - 2014 (January to December)
<i>Nature Publication</i>
Nature - 2014 (January to December)
Nature Biotechnology - 2014 (January to December)
Nature Cell Biology - 2014 (January to December)
Nature Chemistry - 2014 (January to December)
Nature Material - 2014 (January to December)
Nature Nanotechnology - 2014 (January to December)
Nature Photonics - 2014 (January to December)
Nature Physics - 2014 (January to December)
Nature Review Microbiology - 2014 (January to December)
Nature Review Molecular Cell Biology - 2014 (January to December)
<i>Wiley Online Library</i>

Angewandte Chemie International Edition - 2014 (January to December)
Chemcatchem - 2014 (January to December)
Chemistry - A European Journal - 2014 (January to December)
Chemistry - An Asian Journal - 2014 (January to December)
Chinese Journal of Chemistry - 2014 (January to December)
Engineering in Life Sciences - 2014 (January to December)
European Journal of Inorganic Chemistry - 2014 (January to December)
Royal society of Chemistry
Royal society of Chemistry Gold offer - 2014 (January to December)
Inorganic Chemistry Frontiers (RSC) - 2014 (January to December)
A C S All Web edition
A C S All Web edition Package (Collection of 44 Journals) - 2014 (January to December)
IEEE/IEE Electronic Library online (IEL)
IEEE/IEE Electronic Library online (IEL) - 2014 (January to December)
Taylor and Francis Encyclopedia
Encyclopedia of Biotechnology in Agriculture and food
Encyclopedia of Optical Engineering
Encyclopedia of Wireless and mobile Communication
Encyclopedia of Library and Information Science, 3rd ed.
World's Who Who?
Encyclopedia Britannica
Encyclopedia Britannica - 2014 (January to December)
EBSCOHOST-Business Source Complete
EBSCOHOST-Business Source Complete - 2014 (January to December)
ASTM Standard and Digital Library
ASTM Standard and Digital Library (Online) - 2014 (January to December)
OpticsInfoBase (OSA 's Digital Library)
Journal of Optical Society of America -A - 2014 (January to December)
Emeral Extra 175
CMIE Database

Online Journals:

The following online journals are available from INDEST –AICTE consortium:

Sl. No.	Full-Text Database	Link
1.	ACM Digital Library	http://portal.acm.org/portal.cfm
2.	ASCE Journals	http://scitation.aip.org/publications/myBrowsePub.jsp
3.	ASME Journals	http://scitation.aip.org/publications/myBrowsePub.jsp
4.	Springer Verlags Link	http://www.springerlink.com

Classification & Cataloguing:

All the library books are classified as per “Dewey Decimal Scheme of Classification” and catalogued as per “AACR-II rules”.

Reprographic Services:

Provides for the personal use of users the copies of information materials available in library on payment basis.

Textbook Lending Book Bank:

The Book bank of the Institute helps the students of U.G. courses and MCA Students by making textbooks available to them from the Book bank for largest duration. About 3720 students were benefited by this scheme and 10160 books were issued to during the year.

SC/ST Book bank:

Under centrally sponsored scheme for SC/ST students a total of 200 student of U.G. courses were benefited by this scheme and 812 books issued to them. Under this scheme no rent is charged from the SC/ST students.

3.6 School for Non-Formal and Continuing Education (SNFCE):

The Institute offers the opportunity to working engineers in and around Allahabad employed with Industries, Govt. Departments, Educational Institutions & Entrepreneurs to study for Masters Degree in various disciplines on a part time basis. These are aimed at improving the

standard and quality of technical education through improvement of qualifications of the working professionals and faculty members of the government/Private technical Institute.

The classes for these courses were organised in the evening. The M.Tech. Courses available are listed in the guide under the head of academic activities.

The actual number of courses for the particular session to be offered shall be announced through the news papers alongwith the other details of application.

It is a self supporting unit within the Institute and participates in organising of seminars, conferences, symposia etc. This unit also organises short term courses and training programs are also being offered to run special course modules and sponsored courses on request from industries and academia.

The cell coordinates the activities of industry needs for academic and continuing education programs as well as executive development programs and non-formal education and fosters collaborations for industry institute partnership. A number of Faculty Development Programs (FDPs) have been organized by the SNFCE for the benefit of the faculty members from engineering colleges & persons from industries. The courses have proved very popular and useful.

M.Tech (Part-Time) programmes are run under the school for Non Formal and Continuing Education (SNFCE). These programmes are of 03 years/06 semester duration out of which 02 years are for course work and one year for Thesis/Dissertation/Projects. These courses are offered to working professionals who are working in and around Allahabad city. The candidates with minimum 02 Years of working experience are eligible for admission. All academic requirements for admission and graduation will be same as that of regular/full-time M.Tech programme described in Institute PG Manual.

3.7 Intellectual Property Right Cell (IPR Cell)

An Intellectual Property Right Cell has been created in the Institute under the Chairmanship of the Director to coordinate the activities pertaining to the Intellectual Property of the Institute and oversee the filing of patents by Faculty/Staff of the Institute including copyrights and other issues.

Three meetings have been held in 2013-14. A Standing Committee has been formed to deal with the cases of IPR violation in the Institute. Following is the constitution:

Prof. Geetika, Prof. H. N. Kar, Prof. Neeraj Tyagi and Dr. Shivesh Sharma

The main activities and achievements of the IPR Cell during the period of 2013-14 are following:

1. The Institute logo has been protected by Registrar of Indian Trade Marks.
2. The IPR Cell has procured software TURNITIN for checking and preventing incidences of plagiarism at Institute level. All the Departments have been given access to the software.
3. The IPR Cell has organized a Sensitization Workshop on IPR on Feb. 6-7, 2014 for the faculty and research scholars of technical institutions. The objective of the Workshop was to create awareness among researchers regarding the significance of IPR in protecting and disseminating knowledge in the interest of the society. The various issues covered in this workshop included: Importance and Scope of IPR in Academic Research, Procedures of Patent Writing and Patent Filing, Designs and Trademarks, Copyrights and Related Issues and Types of Patentable Innovations and How to Test Patentability of an Innovation. Some of the noted speakers were Dr. Suresh Chand, Special Officer (BP) & Deputy Registrar of Copyrights, Prof. Uday S. Racherla, Professor of Innovation & Intellectual Property Management, IIT Kanpur, Mr. Sushanta Das, Examiner of Patents, Office of Joint Controller of Patents & Designs, Mr. Sushanta Das, Examiner of Patents, Office of Joint Controller of Patents & Designs, Dr. Rajnish Singh, Assistant Professor, Law School, Banaras Hindu University, Dr. Yashawant Dev Panwar, Scientist-F, PFC-TIFAC and Prof. Manmohan Krishna, Professor, Department of Economics, University of Allahabad.
4. As per resolution of Senate the IPR Cell is monitoring plagiarism in PhD theses before submission stage. On the basis of the report generated by the software TURNITIN, the Chairperson of the IPR Standing Committee certifies a thesis to be accepted for evaluation or sent back to the supervisor for review.

3.8 National Cadet Corps. (NCC)

NCC wing is quite functional and active at MNNIT. Following were the activities carried out by NCC during 2013-14

1. Performed NCC parade and March Past by NCC Cadets on occasion of 67th Independence Day, 2013.
2. NCC cadets participated in Annual Training camp of 10 days at Sangam, Allahabad in the month of Oct. 2013.
3. NCC cadets won Volleyball championship at Annual Training camp 2013.
4. Performed NCC parade and March Past by NCC Cadets on occasion of Republic Day, 2013.
5. Our NCC Cadets participated in Voters Awareness Drive to aware the general people for their voting rights.

3.9 Institute Health Care Centre:

It is an out patient Dispensary catering the following need of approximately 3000 students and similar number of staff & their dependents.

Timing of Dispensary:

All working days of institute: From 7.30 am to 6.00 p.m.

All Saturdays and Sundays: From 9.00 am to 1.00 p.m.

Facilities:

1. Consultation & Dispensing of medicines to students, staff & their dependents.
2. Special facilities of E.C.G., sugar testing by Glucometer
3. Services of Dental surgeon, Orthopedic surgeon, Ophthalmic surgeon, Skin specialist, Gynecologist are available on different days.
4. Homeopathic medicines also being provided under consultation of Homeopathic consultant.
5. Physiotherapist is also available for all type of physiotherapy.
6. Organization of different camps and talks for benefit and awareness of mass in diseases like Hepatitis, AIDS, Asthma, Diabetes and Arthritis.

Presently all the works at Health Care Centre are carried out by following staff:

Medical Officer

Dr. Shailendra Kr. Mishra

Part Time General Duty Doctors

Dr. K. K. Dwivedi	-	Modern Medicine
Dr. Anish Bhatnagar	-	Modern Medicine
Dr. Akansha Singh		
Dr.Sadhna Dwivedi (Lady Doctor)	-	General Physician
Dr. S. Paulson (Lady Doctor)	-	General Physician

Part Time Specialist Doctors

Dr. Amit Gupta, Dr. Kamini Kumar	-	Ophthalmologist
Dr. Nishant Nigam.	-	Skin specialist
Dr.S.K.Agarwal	-	E.N.T Surgeon
Dr. R.N. Mehrotra	-	Pediatrician
Dr. Yogita Rai	-	Phychologist
Dr Sadhna Pandey	-	Gynecologist
Dr. Puneet Upadhya	-	Dental Surgeon
Dr. Ashish Agarwal	-	Dental Surgeon

Part Time Homeopathic Doctor

Dr. K. K. Singh

Part Time Ayurvedic Doctor

Dr.Sanjay Baranwal

Dr. Ranjana Tiwari

Physiotherapist

Mrs. Ashita Tiwari, Mr. C. Mohd. Soheb

Compounders: Shri Girja Shanker Maurya, Shri Vinod Mishra, Shri R.K. Nirbhay

Three compounders are managing complete dispensing of medicines & assisting specialist doctors, during dispensary hours.

Dressers

Two dressers are there to help in dressing, injections and miscellaneous work of Dispensary during dispensary hours.

Nurse

Two Nurse to help Gynaecologist and do other miscellaneous work.

Medical Attendant

Two attendants, one clerk, one poen and two sweepers are there to help the doctors, compounders and dressers.

3.10 Vehicle Section

Use of Motorized vehicles (2-4 Wheelers) by Students in MNNIT Allahabad Campus is banned with effect from 21.07.2011.

Vehicle section has following vehicles through which number of facilities is provided to students, staff and faculty members of the Institute.

Car	03
MUV	02
BUS (52 Seater)	02
BUS (32 Seater)	01
Ambulance	01

FACILITIES PROVIDED

- Bus facility is provided to students from Institute to Civil Lines on all week days.
- Buses are also provided for education tour of students.
- Bus facility is provided to wards of staff and faculty members to some select school on select route on subsidized rate.
- Vehicles are also provided for any official visit provided approved by the competent authority.
- Vehicle is also provided to staff and faculty members for picking and dropping to Railway station, Bus stand and airport on payment basis. The guidelines for availing this facility and requisition slip is provided on the Intranet of the Institute.
- Ambulance facility is free of cost to student and for staff and faculty members. It is on subsidized rate of Rs. 5.00/-km.

Bus Service for Students

Bus facilities to students are provided on following route and time-table:

- Institute (MP Hall) to Civil Lines via Anand Bhawan →Balson Crossing →Medical College Crossing →Indira Bhawan Crossing →Patthar Girija Ghar (Stone Church, Civil Lines).
- Return by following the same route.

Terminus

Near “Patthar Girija Ghar (Stone Church)” (Civil Lines)

Schedule

For Saturday and Sunday

Trip No.	From Institute	From Civil Lines
1	11.00AM	12.30PM
2	02.30PM	03.30PM
3	05.00PM	07.30PM
4	08.30PM	09.30PM

For Monday to Friday

Trip No.	From Institute	From Civil Lines
1	06.00PM	07.00PM
2	07.30PM	08.00PM
3	08.30PM	09.30PM

Stoppage: Ganga gate, Crossing for Prayag Station, Anand Bhawan, Medical College Crossing, P.D. Tondon Park Crossing, Indira Bhawan Crossing, Stone Church Crossing.

Note: Students are required to carry a valid Institute ID card to avail this service.

Human Resource

Three full time drivers are there in vehicle section. For rest services manpower is hired through Manpower Providing Agency.

3.11 Women Grievance Cell

Women Grievance Cell has been constituted in accordance to the guidelines issued by Govrenment of India to consider complains related to any sexual discrimination/harassment of women in the institute. Following activities were carried out during the year 2013-2014:

1. Short term training programme on Self Defence for women was organized during Oct. 22nd to 27th, 2013. The objective of training was to develop self sufficient and confident

professionals with and ability to deal with unforeseen and untoward incidences in day to day life through physical training of female students and staff members.

2. Debate competition was organized Oct. 27th, 2013 on 'Position of Women in Society Pre and Post Independent Era'.

3.12 Alumni

Institute alumni have been bringing laurels to the nation on various forums. Many of its alumni have headed the public sector giants in the country. Magsaysay Award winner Shri Deep Joshi is also an alumnus of MNNIT Allahabad. The industry too has well received the products of the Institute by offering attractive packages; the recruiters include, multinational giants like Facebook, Amazon, Oracle, Microsoft, Indian corporate houses and public sector Navratans like GAIL, Coal India, IOC, etc.

Alumni Convention–2013 was held on Nov. 09-10, 2013. Two Executive Committee Meetings were held in June and Oct., 2013 and a Press Conference was organised in Nov., 2013.

3.13 Canteen

The Institute campus has excellent eating outlets, that serves food and cafeteria items at reasonable prices. The outlets are managed by:

1. Bikanervala Food Pvt. Ltd.
2. Amul India Pvt. Ltd.

4

ADMINISTRATIVE BODIES

Board of Governors	4.1
Finance Committee	4.2
Building and Works Committee	4.3
Senate	4.4

ADMINISTRATIVE BODIES

4.1 BOARD OF GOVERNORS

Constitution of Board of Governors of MNNIT Allahabad as per Section 11 NIT Act 2007 (29 of 2007)

The Chairperson to be nominated by the Visitor

1. Dr. V.K. Saraswat Chairman
Scientific Adviser to Raksha Mantri
& Secretary, Department of Defence R & D, DRDO
New Delhi.

The Director, ex officio

2. Prof. P. Chakrabarti Member
Director
Motilal Nehru National Institute of Technology Allahabad

Two persons not below the rank of Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance.

3. The Additional Secretariat (Technical Education) Member
Government of India
Ministry of Human Resource Development
New Delhi
4. The Financial Advisor Member
Integrated Finance Division
Government of India
Ministry of Human Resource Development
Department of Higher Education
New Delhi

Two persons nominated by the Government of U.P.

5. Director Member
Harcourt Butler Technological Institute
Kanpur
6. Director Member
Kamla Nehru Institute of Technology [upto 12.01.2014]
Sultanpur

Two persons, at least one of whom shall be a woman, nominated by the Council

- | | | | |
|----|---|-------------------|--------|
| 7. | Prof. Ashutosh Sharma
Professor,
Department of Chemical Engineering
Indian Institute of Technology
Kanpur | [upto 09.04.2014] | Member |
| 8. | Vacant | | Member |

One Professor and one Assistant Professor or a Lecturer of the Institute nominated by the Senate

- | | | | |
|-----|---|--|--------|
| 9. | Dr. R. K. Srivastava
Professor
Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad | | Member |
| 10. | Dr. Y. K. Gupta
Associate Professor
Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad | | Member |

Registrar of the Institute as Ex-officio Secretary

- | | | | |
|-----|--|--|-----------|
| 11. | Dr. Sarvesh K. Tiwari
Registrar
Motilal Nehru National Institute of Technology Allahabad | | Secretary |
|-----|--|--|-----------|

Three meetings of the Board of Governors were held during the year 2013-14

4.2 FINANCE COMMITTEE

Constitution of the Finance Committee as per Statutes 10 of the First Statutes of NITs

The Chairperson Board of Governors, ex-officio Chairman

- | | | | |
|----|---|--|----------|
| 1. | Dr. V.K. Saraswat
Scientific Adviser to Defence Minister
& Secretary, Department of Defence R & D, DRDO
New Delhi. | | Chairman |
|----|---|--|----------|

Director, Ex officio, member

- | | | | |
|----|--|--|--------|
| 2. | Prof. P. Chakrabarti
Director
Motilal Nehru National Institute of Technology Allahabad | | Member |
|----|--|--|--------|

Joint Secretary dealing with NIT or his nominee and Financial Advisor (Human Resource Development) or his nominee members

- | | |
|---|--------|
| 3. Joint Secretary (Technical Education)
Government of India
Ministry of Human Resource Development
New Delhi | Member |
| 4. Financial Advisor
Integrated Finance Division
Ministry of Human Resource Development
Government of India
New Delhi | Member |

Two persons nominated by the Board amongst its members

- | | | |
|---|-------------------|--------|
| 5. Prof. Ashutosh Sharma
Professor
Department of Chemical Engineering
Indian Institute of Technology
Kanpur | [upto 09.04.2014] | Member |
| 6. Director
Harcourt Butler Technical Institute
Kanpur | [upto 12.01.2014] | Member |

The Registrar, Ex-officio Member

- | | |
|---|------------------|
| 7. Dr. Sarvesh K. Tiwari
Registrar
Motilal Nehru National Institute of Technology Allahabad | Member Secretary |
|---|------------------|

Three meetings of the Finance Committee were held during the year 2013-2014

4.3 BUILDING AND WORKS COMMITTEE

Constitution of the Building and Works Committee as per Statutes 12 of the First Statutes of NITs

The Director, Ex-officio, the Chairman of the Committee

- | | |
|---|----------|
| 1. Prof. P. Chakrabarti
Director
Motilal Nehru National Institute of Technology Allahabad | Chairman |
|---|----------|

One member nominated by the Central Government not below the rank of Director or Deputy Secretary

- | | |
|--|------------------|
| 1. Deputy Secretary (NITs)
(Deptt. of Higher Education), MHRD
New Delhi | Member |
| One member nominated by the Board of Governors | |
| 2. Superintending Engineer
Indian Institute of Technology
Kanpur | Member |
| Dean (Planning and Development) or similar position | |
| 3. Prof. S. K. Duggal
Dean (Planning & Development)
Motilal Nehru National Institute of Technology Allahabad | Member |
| One expert each from Civil and Electrical Engineering wing of Central or State Government or any autonomous body of repute | |
| 4. Executive Engineer (Civil)
Allahabad Central Division
CPWD, Allahabad | Member |
| 5. Executive Engineer (Electrical)
Allahabad Central Division
CPWD, Allahabad | Member |
| Registrar, ex-officio Member Secretary | |
| 6. Dr. Sarvesh K. Tiwari
Registrar
Motilal Nehru National Institute of Technology Allahabad | Member Secretary |
| 7. The Director (Finance)
Integrated Finance Division
Department of Higher Education
Ministry of Human Resource Development
Government of India
New Delhi | Special Invitee |

Threes meetings of the Building and Works Committee were held during the year 2013-2014

4.4 SENATE

Constitution of the Senate as per Section 14 of the NIT Act-2007

The Director, ex-officio, who shall be the Chairman of the Senate

- | | | |
|----|--------------------------------|----------|
| 1. | Prof. P. Chakrabarti, Director | Chairman |
|----|--------------------------------|----------|

The Deputy Director, Ex-officio

- | | | |
|----|--------------------------|--------|
| 2. | Deputy Director [Vacant] | Member |
|----|--------------------------|--------|

The Professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute

- | | | |
|-----|---|--------|
| 1. | Dr. B.D. Chaudhary, Professor, CSED | Member |
| 2. | Dr. S.K. Agrawal, Professor, MED | Member |
| 3. | Dr. A.K. Mishra, Professor, CSED | Member |
| 4. | Dr. I.K. Bhat, Professor, AMD [On Leave] | Member |
| 5. | Dr. R.K. Srivastava, Professor, CED | Member |
| 6. | Dr. RakeshMathur, Professor, AMD | Member |
| 7. | Dr. P.K. Mishra, Professor, MED | Member |
| 8. | Dr. SudarshanTiwari, Professor, ECED [On Leave] | Member |
| 9. | Dr. S. K. Duggal , Professor, CED | Member |
| 10. | Dr. P.R. Agrawal, Professor, SMS[On Leave] | Member |
| 11. | Dr. Nirjhar Roy, Professor, MED | Member |
| 12. | Dr.VineetaAgarwal, Professor, EED | Member |
| 13. | Dr. Dinesh Chandra, Professor, EED | Member |
| 14. | Dr. R. K. Srivastava, Professor, MED | Member |
| 15. | Dr. Peetam Singh, Professor, Mathematics | Member |
| 16. | Dr. Rajeev Tripathi, Professor, ECED | Member |
| 17. | Dr. M.M. Gore, Professor, CSED | Member |
| 18. | Dr. K.K. Shukla, Professor, AMD | Member |
| 19. | Dr. RakeshNarain, Professor, MED | Member |
| 20. | Dr. Anuj Jain, Professor, AMD | Member |
| 21. | Dr. N.D. Pandey, Professor, Chemistry | Member |

22.	Dr. SuneetaAgarwal, Professor, CSED	Member
23.	Dr. Geetika, Professor, SMS	Member
24.	Dr. R. K. Singh, Professor, EED	Member
25.	Dr. VinodYadva, Professor, MED	Member
26.	Dr. R. P. Tiwari, Professor, CED	Member
27.	Dr. P.K. Dutta, Professor, Chemistry	Member
28.	Dr. HaranathKar, Professor, ECED	Member
29.	Dr. Anil Kumar Sachan, Professor, CED	Member
30.	Dr. P.P. Sahay, Professor, Physics	Member
31.	Dr. A. K. Singh, Professor, CED	Member
32.	Dr. M. D. Singh, Professor, MED	Member
33.	Dr. R. D. Gupta, Professor, CED	Member
34.	Dr. A. D. Bhatt, Professor, MED	Member
35.	Dr. Sanjay Chaubey, Professor, Physics	Member
36.	Dr. R. K. Tripathi, Professor, EED	Member
37.	Dr. R. S. Yadav, Professor, CSED	Member
38.	Dr. V. K. Srivastava, Professor, ECED	Member
39.	Dr. R. C. Vaishya, Professor, CED	Member
40.	Dr. Ram Pal Singh, Professor, CED	Member
41.	Dr. Niroj Banerjee, Professor, HSS	Member
42.	Dr. H. S .Goyal, Professor, MED	Member
43.	Dr. VijayaBhdauria, Professor, ECED	Member
44.	Dr. NeerajTyagi, Professor, CSED	Member
45.	Dr. Ravi Prakash, Professor, MED	Member
46.	Dr. AmitDhawan, Professor, ECED.	Member
47.	Dr. ShubhiPurwar, Professor, EED	Member
48.	Dr. Shiv Dutt Kumar, Professor, Mathematics	Member
49.	Dr. S.S. Narvi, Professor, Chemistry	Member
50.	Dr. K. N. Pandey, Professor, MED	Member
51.	Dr. R. K. Nagaria, Professor, ECED	Member
52.	Dr. P.K. Mehta, Professor, CED	Member

Three persons, one of whom shall be a woman, not being employees of this Institute, to be nominated by the Chairperson in consultation with the Director, from amongst educationists of repute, one each from the field of science, engineering and humanities.

- | | | |
|----|---|--------|
| 1. | Prof. SumathiRao
Professor 'H'
Department of Physics
Harish-Chandra Research Institute
Chhatnag Road, Jhansi
Allahabad | Member |
| 2. | Prof. S. N. Singh
Professor
Department of Electrical Engineering
Indian Institute of Technology Kanpur
Kanpur | Member |
| 3. | Prof. Partha Basu
Professor
Department of Humanities & Social Sciences
Indian Institute of Technology Kharagpur
Kharagpur | Member |

Registrar, Secretary of the Senate [Section 18[2] of the NIT Act]

- | | | |
|----|----------------------------------|-----------|
| 1. | Dr. Sarvesh K. Tiwari, Registrar | Secretary |
|----|----------------------------------|-----------|

5

THE STAFF

Academic Staff	5.1
Administrative Officers	5.2
Technical Staff	5.3
Ministerial Staff	5.4
Support Staff	5.5

THE STAFF

5.1 Academic Staff

Head of Institution

Prof. P. Chakarbarti

Director

List of Professors

Sl. No.	Name	Department	Remarks
1.	Dr. B.D. Chaudhary	CSED	(Retired on 04.10.2013)
2.	Dr. S.K. Agrawal	MED	(Retired on 30.04.2014)
3.	Dr. A.K. Mishra	CSED	
4.	Dr. I.K. Bhat (On Leave)	AMD	(on deputation for 5 years)
5.	Dr. R.K. Srivastava	CED	
6.	Dr. RakeshMathur	AMD	(Retired on 30.09.2013)
7.	Dr. P.K. Mishra	MED	
8.	Dr. SudarshanTiwari (On Leave)	ECED	(on deputation for 5 years)
9.	Dr. S. K. Duggal	CED	
10.	Dr. P.R. Agrawal (On Leave)	SMS	(on deputation for 5 years)
11.	Dr. Nirjhar Roy	MED	
12.	Dr.VineetaAgarwal	EED	
13.	Dr. Dinesh Chandra	EED	
14.	Dr. R. K. Srivastava	MED	
15.	Dr. Peetam Singh	Mathematics	(Expired on 13.09.2013)
16.	Dr. Rajeev Tripathi	ECED	
17.	Dr. M.M. Gore	CSED	
18.	Dr. K.K. Shukla	AMD	
19.	Dr. RakeshNarian	MED	
20.	Dr. Anuj Jain	AMD	
21.	Dr. N.D. Pandey	Chemistry	
22.	Dr. SuneetaAgarwal	CSED	
23.	Dr. (Ms.) Geetika	SMS	

Sl. No.	Name	Department	Remarks
24.	Dr. R.K. Singh	EED	
25.	Dr. Vinod Yadva	MED	
26.	Dr. R.P.Tiwari	CED	
27.	Dr. P.K. Dutta	Chemistry	
28.	Dr. Haranath Kar	ECED	
29.	Dr. Anil Kumar Sachan	CED	
30.	Dr. P.P. Sahay	Physics	
31.	Dr. A. K. Singh	CED	
32.	Dr. M. D. Singh	MED	
33.	Dr. R. D. Gupta	CED	
34.	Dr. A. D. Bhatt	MED	
35.	Dr. Sanjay Chaubey	Physics	
36.	Dr. R. K. Tripathi	EED	
37.	Dr. R. S. Yadav	CSED	
38.	Dr. V. K. Srivastava	ECED	
39.	Dr. R. C. Vaishya	CED	
40.	Dr. Ram Pal Singh	CED	
41.	Dr. Niroj Banerjee	HSS	
42.	Dr. H.S.Goyal	MED	
43.	Dr. Vijaya Bhdauria	ECED	
44.	Dr. Neeraj Tyagi	CSED	
45.	Dr. Ravi Prakash	MED	
46.	Dr. Amit Dhawan	ECED.	
47.	Dr. Shubhi Purwar	EED	
48.	Dr. Shiv Dutt Kumar	Mathematics	
49.	Dr. S.S. Narvi	Chemistry	
50.	Dr. K. N. Pandey	MED	
51.	Dr. R. K. Nagaria	ECED	
52.	Dr. P.K. Mehta	CED	

List of Associate Professors

Sl. No.	Name	Department	Remarks
1.	Dr. Y. K. Gupta	CED	
2.	Dr. S. K. Poddar	MED	
3.	Sri Anirudh Narain	EED	
4.	Dr. L. K. Mishra	CED	
5.	Dr. Mukul Shukla	MED	
6.	Dr. Paulson Samuel	EED	
7.	Dr. S. N. Pandey	Physics	
8.	Dr. Tanuj Nandan	SMS	
9.	Dr. Pankaj Srivastava	Mathematics	
10.	Sri Rajesh Tripathi	CSED	
11.	Dr. Asheesh Kumar Singh	EED	
12.	Dr. Rajesh Gupta	EED	
13.	Dr. Ganesh Pd. Sahu	SMS	
14.	Dr. Rakesh Kumar	CED	
15.	Dr. Manoj Kumar	Mathematics	
16.	Dr. D. S. Kushawaha	CSED	
17.	Dr. (Mrs.) Sadhana Sachan	Chemical	
18.	Dr. G. K. Mehrotra	Chemistry	
19.	Dr. Rajeev Srivastava	MED	
20.	Dr. Raj Mohan Singh	CED	
21.	Dr. Nand Kishor	EED	
22.	Dr. Shivesh Sharma	Biotechnology	
23.	Dr. Avanish Kumar Dubey	MED	
24.	Dr. Vijay Shankar Tripathi	ECED	
25.	Dr. Ram Awadh Mishra	ECED	
26.	Dr. Ambalika Sinha	HSS	
27.	Dr. Arvind Agrawal	Physics	

Sl. No.	Name	Department	Remarks
28.	Dr. Ravi Prakash Tiwari	AMD	
29.	Dr. Anil Kumar Singh	CSED	
30.	Sri Manoj Wairiya	CSED	
31.	Sri D.K.Yadav	CSED	
32.	Dr. S.J. Pawar	AMD	
33.	Dr. Richa Negi	EED	
34.	Dr. M.K. Khurana	MED	
35.	Dr. S. N. Pandey	Mathematics	
36.	Dr. Anjana Pandey	Biotechnology	

List of Assistant Professors

Sl. No.	Name	Department	Remarks
1.	Dr. AudheshNarain	MED	
2.	Dr. Samir Saraswati	MED	
3.	Mrs. VandanaAgrawal	MED	
4.	Dr. Tripti Singh	SMS	
5.	Dr. Rajesh K. Shastri	HSS	
6.	Mr. AsimMukharjee	ECED	
7.	Dr. SumedhaChakma	CED	
8.	Dr. Kumar Venkatesh	CED	
9.	Dr. MayankPandey	CSED	
10.	Dr. Ramesh Pandey	AMD	
11.	Dr. Mukesh Kumar	Mathematics	
12.	Dr. S. BholaNath Mishra	MED	
13.	Dr. SangeetaNegi	Biotechnology	
14.	Dr. Vishnu Agarwal	Biotechnology	
15.	Dr. Nand Kumar Singh	Biotechnology	
16.	Dr. Hemant Kumar Pandey	CED	
17.	Dr. Sushil Kumar	Chemical Engg.	

Sl. No.	Name	Department	Remarks
18.	Sri Anoj Kumar	CSED	
19.	Mr. Arvind Kumar	ECED	
20.	Mr. Sandeep K. Harit (On Leave)	CSED	
21.	Sri Rajeev Gupta	ECED	
22.	Dr. Gautam Ghosh	CED	
23.	Dr. V. Krishna Rao	ECED	
24.	Dr. Sahadev Padhye	Mathematics	
25.	Dr. Mohd Siraj Alam	Chemical Engg.	
26.	Dr. Tamal Ghosh	Chemistry	
27.	Dr. Venketeshwara Rao Koma	MED	
28.	Dr. Akshoy Ranjan Paul	AMD	
29.	Mr. Abhishek Kumar	AMD	
30.	Dr. Pitam Singh	Mathematics	
31.	Mr. Nitin Singh	EED	
32.	Dr. Ashutosh Pandey	Chemistry	
33.	Dr. Naresh Kumar	Physics	
34.	Dr. S.R. Mohanty	EED	
35.	Dr. Priya Ranjan Pal	CED	
36.	Dr. Nek Ram Rawal	CED	
37.	Dr. Animesh Kumar Ojha	Physics	
38.	Dr. Praveen Kumar Agrawal	MED	
39.	Dr. Jyotsana Sinha	HSS	
40.	Dr. Ravindra Tripathi	HSS	
41.	Dr. Piyali Ghosh	SMS	
42.	Dr. Vibhuti Tripathi	SMS	
43.	Dr. Rabindra Kumar Patel	MED	
44.	Dr. Dharmendra K.Shukla	MED	
45.	Dr. Manisha Sachan	Biotechnology	
46.	Dr. Seema Nara	Biotechnology	

Sl. No.	Name	Department	Remarks
47.	Dr. Shalinee Shukla	CED	
48.	Dr. Varun Singh	CED	
49.	Dr. Rama Shankar	CED	
50.	Dr. Basant Kumar	ECED	
51.	Dr. Anindya Bhar	AMD	
52.	Dr. Ankur Gaur	Chemical Engg.	
53.	Dr. Ashutosh Mani	Biotechnology	
54.	Dr. Arun Prakash	ECED	
55.	Dr. Radha Rani Mewaram	Biotechnology	
56.	Dr. Ambak Kumar Rai	Biotechnology	
57.	Dr. Shweta Tripathi	ECED	
58.	Dr. Pragya Shandilya	MED	
59.	Dr. Gorakh Nath	Mathematics	
60.	Dr. Yogendra Kumar Prajapati	ECED	
61.	Dr. Rahul Dev	MED	
62.	Dr. Buddakkagari Vasu	Mathematics	
63.	Dr. Harinder Singh	Chemical Engg.	
64.	Dr. Sameer Srivastava	Biotechnology	
65.	Dr. Sanjay Kumar	Biotechnology	
66.	Dr. Pramod Kumar Yadav	Mathematics	
67.	Dr. Jagadish Chandra Mohanta	MED	
68.	Dr. Ashish Nivrittinath Sawarkar	Chemical Engg.	
69.	Dr. Kumar Pallav	CED	
70.	Dr. V. Murari	AMD	
71.	Dr. Surabhi Tiwari	Mathematics	
72.	Dr. Debolina Basu	CED	
73.	Dr. Manish Gupta	MED	
74.	Dr. Manish Tiwari	ECED	
75.	Dr. Ashutosh K. Upadhaya	AMD	

Sl. No.	Name	Department	Remarks
76.	Dr. Krishna Kumar Mishra	CSED	
77.	Dr. Sanjeev Rai	ECED	
78.	Dr. Ranvijay	CSED	
79.	Dr. Deepak Kumar	EED	
80.	Dr. Karuppanan P.	ECED	
81.	Dr. Shashank Srivastava	CSED	
82.	Dr. Bireswar Paul	MED	
83.	Dr. Suantak Kamsonlian	Chemical Engg.	
84.	Dr. Santosh Kumar Gupta	ECED	

List of Assistant Professors (On Contract)

85.	Mr. Ajaya Bharti	AMD	
86.	Ms. Ritu Arya	Chemical	(upto 11.02.2014)
87.	Ms. Sarika Kalra	EED	(upto 11.02.2014)
88.	Mr. Navneet Kumar Singh	EED	
89.	Ms. Sonam Agarwal	GIS	
90.	Mr. Vadthiya Narendar	ECED	
91.	Mr. Anupam Rawat	CED	
92.	Mr. Rupesh Kumar Dewang	CSED	
93.	Ms. Santi Kumari Behera	CSED	
94.	Mr. Manoj Kumar Gupta	MED	
95.	Mr. Ramji Dwivedi	GIS	
96.	Mr. Vijay Kumar	CED	
97.	Ms. Pragya Dwivedi	CSED	
98.	Mr. Sunil Kumar Gupta	MED	
99.	Mr. Jitendra Narayan Gangwar	MED	
100.	Mr. Divya Kumar	CSED	
101.	Mr. Dushyant Kumar Singh	CSED	
102.	Mr. Manohar Yadav	GIS	
103.	Mr. Vishwajeet Pratap Singh	CED	

Sl. No.	Name	Department	Remarks
104.	Mr. Dinesh Singh	CSED	
105.	Mr. Mohammad Kaifi	ECED	
106.	Ms. Shashwati Banerjea	CSED	
107.	Mr. Shabih-Ul-Hasan	Chemical Engg.	
108.	Ms. Rajitha B.	CSED	
109.	Mr. Niraj Kumar Choudhary	EED	
110.	Mr. M.Venkatesh Naik	EED	
111.	Mr. Vivek KumarPatel	AMD	
112.	Mr. Bhore Skylab Pavalas	MED	
113.	Mr. Binayaka Nahak	MED	

List of Head of Departments

Sl. No.		Name	Department	Remarks
1.	(i)	Prof. K. K. Shukla	Applied Mechanics	upto17.08.2013
	(ii)	Prof. Anuj Jain	Applied Mechanics	w.e.f. 18.08.2013
2.		Dr. Shivesh Sharma	Biotechnology	
3.		Prof. P. K. Dutta	Chemistry	
4.	(i)	Prof. V. K. Srivastava	Chemical Engg.	upto16.04.2013
	(ii)	Prof. R. P. Singh	Chemical Engg.	17.10.2013 to 16.10.2013
	(iii)	Prof. R. C. Vaishya	Chemical Engg.	w.e.f. 17.10.2013
5.		Prof. SuneetaAgarwal	Computer Science & Engg.	
6.	(i)	Prof. R. P. Tiwari	Civil Engg.	upto26.07.2013
	(ii)	Prof. A. K. Sachan	Civil Engg.	w.e.f. 27.07.2013
7.	(i)	Prof. R. K. Singh	Electrical Engg.	upto 10.07.2013
	(ii)	Prof. R. K. Tripathi	Electrical Engg.	w.e.f. 11.07.2013
8.	(i)	Prof. Rajeev Tripathi	Electronics & Comm. Engg.	upto 10.08.2013
	(ii)	Prof. H. Kar	Electronics & Comm. Engg.	w.e.f. 11.08.2013
9.		Prof. A. K. Singh	Chairman, GIS Cell	
10.	(i)	Prof. R. C. Vaishya	Humanities & Social Sciences	upto 22.08.2013
	(ii)	Prof. NirojBanerji	Humanities & Social Sciences	w.e.f. 23.08.2013
11.	(i)	Prof. Nirjhar Roy	Mechanical Engg.	upto15.06.2013
	(ii)	Prof. R. K. Srivastava	Mechanical Engg.	w.e.f.16.06.2013

12.	(i)	Prof. Shiv Dutt Kumar	Mathematics	upto 31.08.2013
	(ii)	Prof. Peetam Singh	Mathematics	01.09.2013 to 12.09.2013 (expired on 13.09.2013)
	(iii)	Dr. S. N. Padey	Mathematics	w.e.f. 21.09.2013
13.		Prof. Sanjay Chaubey	Physics	
14.	(i)	Prof. P. R. Agrawal	School of Management Studies	upto 22.08.2013
	(ii)	Prof. Geetika	School of Management Studies	w.e.f. 23.08.2013

List of Deans

Sl. No.	Name	Department	Remarks
1.	(i) Prof. S. K. Duggal	Dean (Academic)	upto 26.07.2013
	(ii) Prof. Vinod Yadava	Dean (Academic)	27.07.2013 to 31.08.2013
	(iii) Prof. K. K. Shukla	Dean (Academic)	w.e.f. 01.09.2013
2.	(i) Prof. R. K. Srivastava	Dean (Planning & Development)	upto 13.07.2013
	(ii) Prof. M. M. Gore	Dean (Planning & Development)	14.07.2013 to 31.07.2013
	(iii) Prof. S. K. Duggal	Dean (Planning & Development)	w.e.f. 01.08.2013
3.	Prof. Anuj Jain	Dean (Research & Consultancy)	
4.	Prof. P. K. Mishra	Dean (Faculty Welfare)	
5.	Prof. M. M. Gore	Dean (Student Welfare)	
6.	Prof. Dinesh Chandra	Dean (Resource Generation & International Affairs)	

5.2 Administrative Officers

Sl. No.	Name	Designation
1.	Dr. Sarvesh K. Tiwari	Registrar (Oftg.)/Dy. Registrar (Academic)
2.	Shri Uma Shankar	Dy. Registrar (Accounts)
3.	Shri Abhai Kumar Srivastava	Executive Engineer (Retired on 31.03.2014)
4.	Shri Arvind Kumar Singh	Engineer (Electrical Maint.)

5.	Shri Raghvendra Singh	SAS Officer
6.	Shri S.P. Verma	SAS Officer
7.	Shri Prabhat Ranjan (On Leave)	Senior Technical Officer
8.	Shri Abhay Singh	Programmer
9.	Shri S.K. Srivastava	Foreman
10.	Shri Satanand Yadav	Foreman
11.	Shri Ritesh Sahu	Dy. Librarian

5.3 Technical Staff

Sl. No.	Name	Designation	Remarks
1.	Shri Trivikram	Technical Assistant (SG-II)	
2.	Shri D.K. Dwivedi	Technical Assistant (SG-II)	
3.	Shri Shri Kant	Technical Assistant (SG-II)	
4.	Shri Jeet Lal Yadav	Technical Assistant (SG-II)	
5.	Shri A.K. Agrawal	Technical Assistant (SG-II)	
6.	Dr. S.C. Pathak	Technical Assistant (SG-II)	Retired on 31.07.2013
7.	Shri Rajendra Pd.	Technical Assistant (SG-I)	
8.	Shri S.K. Sen	Sr. Technical Assistant	Retired on 31.07.2013
9.	Shri Harish Chandra	Sr. Technical Assistant	
10.	Shri Arjun Singh	Sr. Technical Assistant	Retired on 31.05.2013
11.	Shri S.N. Chaturvedi	Sr. Technical Assistant	
12.	Shri Pankaj Sikka	Sr. Technical Assistant	
13.	Shri Rama Shanker	Sr. Technician	
14.	Shri K.N. Singh	Assistant Engineer	
15.	Shri Sanjay Singh	J.E. (Civil M)	
16.	Smt. Anju Jha	Technical Assistant	
17.	Shri Manoj Singh Bonal	Technical Assistant	
18.	Shri Ashutosh Kr. Gupta	Technical Assistant	
19.	Smt. Sangeeta Rani	Technical Assistant	
20.	Shri Chedi Lal Patel	Technical Assistant	
21.	Shri Gyanandra Singh	Technician (SG-I)	

Sl. No.	Name	Designation	Remarks
22.	Shri Shri Kant Tiwari	Technician (SG-I)	
23.	Shri S.L. Sharma	Technician (SG-I)	
24.	Shri Om Prakash	Technician (SG-I)	
25.	Shri Altaf B. Azhar	Technician (SG-I)	
26.	Shri R.P. Pandey	Technician (SG-I)	Retired on 31.07.2013
27.	Shri Hari Lal	Technician (SG-I)	Retired on 30.09.2013
28.	Shri Hari Bhajan	Technician (SG-I)	Retired on 30.04.2013
29.	Shri Nanku Lal	Technician (SG-I)	
30.	Shri Satya N. Singh	Technician (SG-I)	
31.	Shri Ranjeet Singh	Technician (SG-I)	
32.	Shri Afzal Ahmad	Technician (SG-I)	
33.	Shri R.K. Sharma	Technician (SG-I)	
34.	Shri Man Singh	Technician (SG-II)	
35.	Shri Badri Prasad	Technician (SG-II)	
36.	Shri Kanhya Lal	Technician (SG-II)	
37.	Shri Gopal Ram	Technician (SG-II)	
38.	Shri Ram Chandra II	Technician (SG-II)	
39.	Shri Radhey Shyam	Technician (SG-II)	
40.	Shri Ram Shiromani	Technician (SG-II)	
41.	Shri Brij Lal	Technician (SG-II)	
42.	Shri Lal Das	Technician (SG-II)	
43.	Shri Algoo Prasad	Technician (SG-II)	
44.	Shri Bharat Lal	Technician (SG-II)	
45.	Shri Ram Ji	Technician (SG-II)	
46.	Shri Keshav Kumar	Technician (SG-II)	
47.	Shri Anurudh Bahadur	Sr. Technician	
48.	Shri Kamla Prasad	Sr. Technician	
49.	Shri Lal Bahadur Maurya	Sr. Technician	
50.	Shri Moti Lal	Sr. Technician	

Sl. No.	Name	Designation	Remarks
51.	Shri Rakesh Gupta	Sr. Technician	
52.	Shri Uma Shanker	Sr. Technician	
53.	Shri Manoj Kr.Tripathi	Sr. Technician	
54.	Shri Hari Shanker	Sr. Technician	
55.	Shri Lal Bahadur Yadav	Sr. Technician	
56.	Shri Nand Lal Pal	Sr. Technician	
57.	Shri Ram Sajiwan	Sr. Technician	
58.	Shri Shiv Murat Yadav	Sr. Technician	
59.	Shri Ram BahadurYadav	Sr. Technician	
60.	Shri. D.N. Pandey	Sr. Technician	
61.	Shri Satya Narain Singh	Sr. Technician	
62.	Shri Brijesh Kumar	Sr. Technician	
63.	Shri Maqsood	Sr. Technician	
64.	Shri Bhola	Sr. Technician	
65.	Shri Ram Lakhan	Sr. Technician	
66.	Shri G.S. Maurya	Pharmacist (SG-II)	
67.	Shri Vinod Kr. Mishra	Sr. Pharmacist	
68.	Shri Ranjeet Kr. Nirbhai	Sr. Pharmacist	

5.4 Ministerial Staff

1.	Shri D.P. Pant	Superintendent (SG-II)	Retired on 30.04.2013
2.	Shri Husnain Ahmad	Superintendent (SG-II)	Retired on 31.01.2014
3.	Shri K.K. Shukla	Superintendent (SG-II)	
4.	Shri A.B. Singh	Superintendent (SG-II)	
5.	Shri D.N. Tiwari	Superintendent (SG-II)	
6.	Shri T.N. Tripathi	Superintendent (SG-II)	Expired on 28.11.2013
7.	Shri Siva Kant Mishra	Sr. Superintendent	
8.	Shri B.L. Yadav	Sr. Superintendent	
9.	Shri B.D. Tripathi	Sr. Superintendent	
10.	Shri Abdul Shamim	Sr. Superintendent	

Sl. No.	Name	Designation	Remarks
11.	Shri R.K. Pandey	Sr. Superintendent	
12.	Shri M.C. Singh	Sr. Superintendent	
13.	Shri Ram Naresh	Sr. Superintendent	
14.	Shri Ganga Prasad	Sr. Superintendent	
15.	Shri S.A. Farooqui	Sr. Superintendent	
16.	Shri Banwari Lal	Superintendent	
17.	Shri H.I. Malik	Superintendent	
18.	Shri Girja Shankar	Superintendent	
19.	Shri V.K. Gaur	Superintendent	
20.	Shri N.K. Prajapati	Superintendent	
21.	Shri Sangam L. Kushwaha	Superintendent	
22.	Shri Viveka Nand	Superintendent	
23.	Shri Tribhwan N. Tripathi	Superintendent	
24.	Shri Babban Singh	Superintendent	
25.	Shri Amar Singh Yadav	Superintendent	
26.	Shri S.K. Gaur	Superintendent	
27.	Shri Y.P. Tripathi	Assistant (SG-I)	
28.	Shri Ram Adhar	Assistant (SG-I)	
29.	Shri Shahid Irfan	Assistant (SG-I)	
30.	Shri Ram Acharj Yadav	Assistant (SG-I)	
31.	Shri Zia Uddin	Assistant (SG-I)	
32.	Shri Shyam Babu	Assistant (SG-I)	
33.	Shri S.K. Srivastava	Assistant (SG-I)	
34.	Shri Shyam Lal Yadav	Assistant (SG-I)	
35.	Shri Anil Kumar	Assistant (SG-I)	
36.	Shri Mewalal	Assistant (SG-I)	
37.	Shri Chandrabhan	Assistant (SG-I)	
38.	Shri Shiv karan Patel	Assistant (SG-I)	
39.	Shri Amrit Lal	Assistant (SG-I)	

Sl. No.	Name	Designation	Remarks
40.	Shri Subhas Ram	Assistant (SG-I)	
41.	Shri Ram Kumar Verma	Assistant (SG-I)	Retired on 30.09.2013
42.	Shri Sanjay Yadav	Assistant (SG-II)	
43.	Shri A.V.Pathak	Sr. Assistant	
44.	Shri Vijai Pal	Sr. Assistant	
45.	Shri Mohd. Saqib	Sr. Assistant	
46.	Shri Bechan Ram	Sr. Assistant	
47.	Shri Sangam Lal	Sr. Assistant	
48.	Shri Anant Kr. Tiwari	Sr. Assistant	
49.	Smt. Veena Singh	Sr. Assistant	
50.	Smt Madhu Yadav	Sr. Assistant	
51.	Shri Chet Ram Bhartiya	Sr. Assistant	
52.	Shri Vinod Kumar	Sr. Assistant	
53.	Shri Deepak Kumar	Sr. Assistant	
54.	Shri Nirmal Kr. Shukla	Sr. Secretary	
55.	Shri Ram Baran	Secretary	

5.5 Support Staff

1.	Shri T. N. Shukla	Attendant	
2.	Shri Om Prakash Yadav	Attendant	
3.	Shri S. R. Kushawaha	Attendant	
4.	Shri Riyaz Ahmad	Attendant	
5.	Shri. Tribhuvan Singh Yadav	Attendant	
6.	Shri Mahesh Kumar	Attendant	
7.	Shri Jeet Lal II	Attendant	
8.	Shri Gyan Chandra	Attendant	
9.	Shri Ram Nath	Attendant	
10.	Shri Paras Nath	Attendant	
11.	Shri S. N. Shukla	Attendant	
12.	Shri Naresh Chandra	Attendant	

Sl. No.	Name	Designation	Remarks
13.	Shri Laxmi Kant	Attendant	
14.	Shri D. S. Mishra	Attendant	
15.	Shri K. P. Maurya	Attendant	
16.	Shri R. S. Pal	Attendant	
17.	Shri Ram Dulare	Attendant	
18.	Shri Jhalloo Lal	Attendant	
19.	Shri Amar Nath	Attendant	
20.	Shri Satya Narain	Attendant	
21.	Shri Sudhakar Tiwari	Attendant	
22.	Shri Raja Ram	Attendant	
23.	Shri Phool Chandra	Attendant	
24.	Shri Nankoo Ram	Attendant	
25.	Shri Amar Nath Patel	Attendant	
26.	Shri Om Prakash	Attendant	
27.	Shri Prem Chandra	Attendant	
28.	Shri Paras Nath Saroj	Attendant	
29.	Shri Jagdish Prasad	Attendant	
30.	Shri Ram Naresh	Attendant	
31.	Shri Diwakar Tiwari	Attendant	
32.	Shri Ramesh Chandra Pal	Attendant	
33.	Shri O. P. Parashar	Attendant	
34.	Shri Rakesh Kr. Mishra	Attendant	
35.	Shri Masuriya Deen Maurya	Attendant	
36.	Shri Radhey Shyam	Attendant	
37.	Shri Rajendra Kumar	Attendant	
38.	Shri Parmanand	Attendant	
39.	Shri Brijesh Kumar	Attendant	Expired on 18.06.2013
40.	Shri Ramesh	Attendant	
41.	Smt. Sheela	Attendant	

Sl. No.	Name	Designation	Remarks
42.	Shri Ram Dulare	Attendant	
43.	Shri Lallan	Attendant	Expired on 03.08.2013
44.	Smt. Nirmala Devi	Attendant	
45.	Shri Ranjeet	Attendant	
46.	Smt. Bittan Devi	Attendant	
47.	Shri Shankar Lal	Attendant	
48.	Shri Anil	Attendant	
49.	Shri Suresh	Attendant	
50.	Shri Raju	Attendant	
51.	Shri Parkash	Attendant	
52.	Shri Kailash	Attendant	
53.	Shri Rajendra Pd	Attendant	
54.	Shri Pappu Lal	Attendant	
55.	Shri Rajesh	Attendant	
56.	Shri Mohan Lal	Attendant	
57.	Shri Banwari Lal	Attendant	
58.	Shri Mobeen Ahmad	Attendant	
59.	Shri Lallu	Attendant	
60.	Shri Sangam Lal Yadav	Attendant	
61.	Shri Brij Mohan Yadav	Attendant	
62.	Shri Ram Mani Yadav	Attendant	
63.	Shri Lalloo	Attendant	
64.	Shri Harish Chandra Pal	Attendant	
65.	Shri Raj NarianKashyap	Attendant	
66.	Smt Urmila Devi	Attendant	
67.	Smt. Raj Kali	Attendant	
68.	Shri Ram Nath pal	Attendant	
69.	Shri Jeet Lal Yadav	Attendant	
70.	Shri Jahli Singh	Attendant	

Sl. No.	Name	Designation	Remarks
71.	Shri S.R. Singh	Attendant	Expired on 23.04.2013
72.	Shri Druyadhan Lal	Attendant	
73.	Shri Nand Lal Prajapati	Attendant	
74.	Shri H.C. Maurya	Attendant	
75.	Shri Nandlal	Attendant	
76.	Shri Monu Jeet Dayal	Attendant	
77.	Shri Ramakant pal	Attendant	
78.	Shri Hari Lal Yadav	Attendant	
79.	Shri Jagan Nathalies Lallu	Attendant	
80.	Shri Husala Pd	Attendant	
81.	Shri Shobh Nath Maurya	Attendant	
82.	Shri Jag Lal	Attendant	
83.	Shri Gulab Chandra	Attendant	
84.	Shri Pawan Kr. Mishra	Attendant	
85.	Smt. Geeta Devi	Attendant	
86.	Shri Ram Sanehi Maurya	Attendant	
87.	Smt. Kaushalya Devi	Attendant	
88.	Shri Om Parkash Yadav	Attendant	
89.	Shri Rajendra Pd.	Attendant	
90.	Shri Soraj	Attendant	
91.	Shri Shyam Lal Pal	Attendant	
92.	Shri Ram Jatan Mauriya	Attendant	

6

ACADEMIC PROGRAMMES

Bachelor of Technology (B.Tech.)	6.1
Master of Technology (M. Tech.)	6.2
Master of Business Administration (MBA)	6.3
Master of Computer Applications (MCA)	6.4
Master of Science (M.Sc.)	6.5
Master of Social Work (MSW)	6.6
Doctoral Programmes (Ph.D)	6.7

ACADEMIC PROGRAMMES

6.1 BACHELOR OF TECHNOLOGY DEGREE COURSES (4 Years / 8 Semesters)

1. Biotechnology
2. Chemical Engineering
3. Civil Engineering
4. Computer Science & Engineering
5. Electrical Engineering
6. Electronics and Communication Engineering
7. Information Technology
8. Mechanical Engineering
9. Production & Industrial Engineering

6.2 MASTER OF TECHNOLOGY (M.Tech.) *DEGREE COURSE REGULAR* (2 Years/ 4 Semesters)

A. Applied Mechanics Department

1. M.Tech. Applied Mechanics
2. M.Tech. Biomedical Engineering
3. M.Tech. Fluids Engineering
4. M.Tech. Material Science and Engineering

B. Biotechnology Department

1. M. Tech. Biotechnology

C. Civil Engineering Department

1. M.Tech. Civil Engineering (Environmental Engineering)
2. M.Tech. Civil Engineering (Geo-Technical Engineering)
3. M.Tech. Civil Engineering (Structural Engineering)
4. M. Tech. Civil Engineering (Environmnetal Geotechnology)

D. Computer Science and Engineering Department

1. M.Tech. Computer Science & Engineering
2. M.Tech. Software Engineering
3. M.Tech. Information Security

E. Electrical Engineering Department

1. M.Tech. Electrical Engineering (Control & Instrumentation/Power Systems Engineering)

2. M.Tech. Electrical Engineering (Power Electronics & ASIC Design)

F. Electronics and Communication Engineering Department

1. M.Tech. Electronics Engineering (Digital System)
2. M.Tech. Electronics Engineering (Microelectronics and VLSI Design)
3. M.Tech. Electronics Engineering (Communication System)

G. Mechanical Engineering Department

1. M.Tech. Mechanical Engineering (Design)
2. M.Tech. Mechanical Engineering (Production Engineering)
3. M.Tech. Mechanical Engineering (Computer Aided Design and Manufacturing)
4. M.Tech. Mechanical Engineering (Product Design & Development)

H. GIS Cell

1. M.Tech. (GIS and Remote Sensing)

**6.2.1 MASTER OF TECHNOLOGY (M.Tech.) *DEGREE COURSE PART TIME*
(3 Years/ 6 Semesters)**

A. Civil Engineering Department

1. M.Tech. Civil Engineering (Environmental Engineering)

B. Computer Science and Engineering Department

1. M.Tech. Software Engineering

C. Electrical Engineering Department

1. M.Tech. Electrical Engineering (Power Electronics & ASIC Design)

D. Mechanical Engineering Department

1. M.Tech. Mechanical Engineering (Production Engineering)

6.3 MASTER OF BUSINESS ADMINISTRATION (MBA) (2 years/ 4 Semesters)

Following Specializations are offered:

1. Finance
2. Marketing
3. Human Resource
4. Systems
5. Productions and Operations
6. Engineering Management

6.4 MASTER OF COMPUTER APPLICATIONS (MCA), (3 years/ 6 Semesters)

1. Computer Science and Engineering Department

6.5 MASTER OF SCIENCE (M.Sc.) (2 years/ 4 Semesters)

1. Mathematics and Scientific Computing

6.6 MASTER OF SOCIAL WORK (MSW) (2 years/ 4 Semesters)

1. Humanities and Social Science Department

6.7 Doctoral Programmes (Ph. D.)

MNNIT Allahabad has been growing rapidly as a highly reputed academic institution and research is an integral aspect. Therefore to promote doctoral programme, Institute Fellowships have been established, which are distributed among all the departments. Besides, number of off-campus and non-stipendiary admission to these Doctoral programme are also made to facilitate faculty from other institutes and industry personnel.

Teachers from other institutions also come here to pursue M.Tech. and Ph.D. in various Departments, under QIP scheme. Large number of senior executives from industry also join under self sponsored category.

In Addition to regular academic programs, the institute organizes seminars, conferences, symposia and also extends expert consultancy to industries and institutions.

7

STUDENTS' DETAILS

Intake	7.1
Course-wise Enrolment	7.2
Admission Statistics	7.3
Student Strength	7.4
Performance in Examination	7.5
Gold Medals	7.6

STUDENTS DETAILS

7.1 INTAKE:

Name of Programme	Branch	Intake
Bachelor of Technology (B. Tech.)	Bio-Technology	46
	Chemical Engineering	46
	Civil Engineering	92
	Computer Science and Engineering	154
	Electrical Engineering	77
	Electronics & Communication Engg.	138
	Information Technology	92
	Mechanical Engineering	123
	Production & Industrial Engineering	46
	Total	814
Master of Technology (M. Tech.) Including All Branches		556
Master of Computer Application (MCA)		93
Master of Business Administration (MBA)		93
Mathematics and Scientific Computing (M.Sc.)		23
Master of Social Work (MSW)		23
Ph.D. Including All Branches		20

7.2 COURSES-WISE ENROLMENT WITH SEX, SC/ST BREAK-UP 2013-2014

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
B.Tech.I st Year	814	336	202	150	59	20	29	395	222	179
B.Tech.II nd Year	814	352	203	155	53	15	27	405	218	182
B.Tech. III rd Year	814	335	212	161	57	22	18	392	234	179
B.Tech. IV th Year	814	339	211	160	47	17	20	386	228	180
Total		1362	828	626	216	74	94	1578	902	720

(A) (II) ADDITIONAL FOREIGN ADMISSION IN UG PROGRAMME THROUGH DASA, ICCR, ETC.

Sl. No.	Programme	Males	Females	Total
1.	B.Tech. 1 st Year	89	07	96
2.	B.Tech. 2 nd Year	80	13	93
3.	B.Tech. 3 rd Year	65	12	77
4.	B.Tech. 4 th Year	71	19	90
Total		305	51	356

(B) MASTER'S DEGREE PROGRAMME

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
M.Tech. I st Year	556	164	121	82	31	11	14	195	132	96
M.Tech. II nd Year	531	204	97	73	32	15	16	236	112	89
Total		368	218	155	63	26	30	431	244	185

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MCA I st Year	93	22	24	17	22	02	04	44	26	21
MCA II nd Year	93	23	15	20	24	10	01	47	25	21
MCA III rd Year	93	26	17	17	21	08	03	47	25	20
Total		71	56	54	67	20	08	138	76	62

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MBA I st Year	93	19	11	09	17	10	01	36	21	10
MBA II nd Year	93	30	27	17	09	02	03	39	29	20
Total		49	38	26	26	12	04	75	50	30

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
M.Sc. I st Year	23	08	03	03	04	01	01	12	04	04
M.Sc. II nd Year	23	02	00	01	04	00	00	06	00	01
Total		10	03	04	08	01	01	18	04	05

Programme	Intake	Males			Females			Total		
		Gen	OBC	SC/ST	Gen	OBC	SC/ST	Gen	OBC	SC/ST
MSW I st Year	23	03	02	01	05	00	00	08	02	01
MSW II nd Year	23	05	02	00	04	01	00	09	03	00
Total		08	04	01	09	01	00	17	05	01

7.3 Admission Statistics for UG/PG/Ph.D. Programmes 2013-2014

Programme	Male	Female	Total
B.Tech.	3121(2816+305)	435(384+51)	3556(3200+356)
M.Tech.	741	119	860
MCA	181	95	276
MBA	113	42	155
M.Sc.	17	10	27
MSW	13	10	23
Ph.D.	282	53	335
Total	4468	764	5232

7.4 Student Strength 2013-2014

Courses	Actual student strength
B.Tech.	3556
M.Tech.	860
MCA	276
MBA	155
M.Sc.	27
MSW	23
Ph.D.	335
Total	5232

7.5 Performance in Examination

Courses	Appeared	Passed
B.Tech.	695	693
M.Tech.	393	391
MCA	72	72
MBA	79	79
M.Sc.	10	10
MSW	06	06
Ph.D.	55	55

7.6 GOLD MEDALS

7.6.1 GOLD MEDALS FOR POST GRADUATE FINAL EXAMINATION-2013

1. Gold Medal awarded to **Tushar Sharma** Enrollment No. **2011AM07** for (CPI **9.13**) standing first at M.Tech. Applied Mechanics, Final Examination 2013.
2. Gold Medal awarded to **Aparna C S** Enrollment No. **2011BM05** for (CPI **8.96**) standing first at M.Tech. Biomedical Engineering, Final Examination 2013.
3. Gold Medal awarded to **Subhash Shinde** Enrollment No. **2011FE21** for (CPI **9.65**) standing first at M.Tech. Fluids Engineering, Final Examination 2013.
4. Gold Medal awarded to **Garvit Singh** Enrollment No. **2011MT10** for (CPI **7.22**) standing first at M.Tech. Material Science & Engineering, Final Examination 2013.

5. Gold Medal awarded to **Rajnish Kumari Yadav** Enrollment No. **2011BT07** (CPI 8.77) for standing first at M.Tech. Biotechnology, Final Examination 2013.
6. Gold Medal awarded to **Hemant Singh Parihar** Enrollment No. **2011ST06** (CPI 8.3) for standing first at M.Tech. Civil Engineering (Structural Engineering), Final Examination 2013.
7. Gold Medal awarded to **Shubham Shrivastava** Enrollment No. **2011GE01** (CPI 9.1) for standing first at M.Tech. Civil Engineering (Geotechnical Engineering), Final Examination 2013.
8. Gold Medal awarded to **Tripti Singh** Enrollment No. **2011CS26** for standing first at M.Tech. Computer Science & Engineering, Final Examination 2013. (CPI 9.12)
9. Gold Medal awarded to **Atul Kumar** Enrollment No. **2011IS21** for standing first at M.Tech. Information Security, Final Examination 2013. (CPI 9.12)
10. Gold Medal awarded to **Ankita Kumar** Enrollment No. **2011SW16** for standing first at M.Tech. Software Engineering, Final Examination 2013. (CPI 9.5)
11. Gold Medal awarded **Nimmy Paulose** Enrollment No. **2011EE31** for standing first at M.Tech. Electrical Engineering (Control & Instrumentation), Final Examination 2013. (CPI 9.3)
12. Gold Medal awarded to **Akhilesh Kumar Gupta** Enrollment No. **2011PE12** for standing first at M.Tech. Electrical Engineering (Power Electronics & ASIC Design), Final Examination 2013. (CPI 8.9)
13. Gold Medal awarded to **Rohan Borgalli** Enrollment No. **2011EL21** for standing first at M.Tech. Electronics Engineering (Digital System), Final Examination 2013. (CPI 9.78)
14. Gold Medal awarded to **S Kumar Varma Mantena** Enrollment No. **2011VL06** for standing first at M.Tech. Microelectronics and VLSI Design, Final Examination 2013. (CPI 9.44)
15. Gold Medal awarded to **Deliwala Ajaz Ahmed A. Rauf** Enrollment No. **2011CC17** for standing first at M.Tech. Mechanical Engineering (Computer Aided Design and Manufacturing), Final Examination 2013. (CPI 9.5)

16. Gold Medal awarded to **Abdul Arif** Enrollment No. **2011DN02** for standing first at M.Tech. Mechanical Engineering (Design), Final Examination 2013. (CPI 9.6)
17. Gold Medal awarded to **Ashish Kumar Rathore** Enrollment No. **2011PD09** for standing first at M.Tech. Mechanical Engineering (Product Design and Development), Final Examination 2013. (CPI 9.7)
18. Gold Medal awarded to **Pawan Sharma** Enrollment No. **2011PR33** for standing first at M.Tech. Mechanical Engineering (Production Engineering), Final Examination 2013. (CPI 9.3)
19. Gold Medal awarded to **Nikhil Pratap Singh** Enrollment No. **2011GI11** for standing first at M.Tech. GIS and Remote Sensing, Final Examination 2013. (CPI 9.5)
20. Gold Medal awarded to **Vandita Sachdeva** Enrollment No. **2011MB42** for standing first at Master of Business Administration, Final Examination 2013. (CPI 9.89)
21. Gold Medal awarded to **Priyanka Sehgal** Enrollment No. **2010CA27** for standing first at Master of Computer Applications, Final Examination 2013. (CPI 9.6)
22. Gold Medal awarded to **Rangoli Goyal** Enrollment No. **2011MSC02** for standing first at Master of Science (Mathematics & Scientific Computing), Final Examination 2013. (CPI 9.4)
23. Gold Medal awarded to **Atul Yadav** Enrollment No. **2011MW08** for standing first at Master of Social Work, Final Examination 2013. (CPI 9.5)

7.6.2 GOLD MEDALS FOR UNDER GRADUATE FINAL EXAMINATION-2013

1. Gold Medal awarded to **Garima Lohiya** Enrollment No. **20090020** for standing first at B.Tech. (Biotechnology), Final Examination 2013. (CPI 9.54)
2. Gold Medal awarded to **Himanshu Srivastava** Enrollment No. **20099012** for standing first at B.Tech. (Chemical Engineering), Final Examination 2013. (CPI 9.06)
3. Gold Medal awarded to **Amit Sharma** Enrollment No. **20091044** for standing first at B.Tech. (Civil Engineering), Final Examination 2013. (CPI 9.05)
4. Gold Medal awarded to **Shobhit Srivastava** Enrollment No. **20098063** for standing first at B.Tech. (Computer Science and Engineering), Final Examination 2013. (CPI 9.9)

5. Gold Medal awarded to **Aditya Mittal** Enrollment No. **20095113** for standing first at B.Tech. (Information Technology), Final Examination 2013. (CPI 8.97)
6. Gold Medal awarded to **Mrinalini** Enrollment No. **20092002** for standing first at B.Tech. (Electrical Engineering), Final Examination 2013. (CPI 9.45)
7. Gold Medal awarded to **Jagruti Kesarwani** Enrollment No. **20095019** for standing first at B.Tech. (Electronics and Communication Engineering), Final Examination 2013. (CPI 9.69)
8. Gold Medal awarded to **Sarthak Garg** Enrollment No. **20096052** for standing first at B.Tech. (Mechanical Engineering), Final Examination 2013. (CPI 9.88)
9. Gold Medal awarded to **Vivek Umer** Enrollment No. **20096039** for standing first at B.Tech. (Production and Industrial Engineering), Final Examination 2013. (CPI 8.95)

7.6.3 INSTITUTE GOLD MEDAL

1. Institute Gold Medal awarded to **Shobhit Srivastava** Enrollment No. **20098063** of B.Tech. (Computer Science and Engineering) for standing first amongst students of all branches of the Institute Final Examination 2013. (CPI 9.9)

7.6.4 GOLD MEDALS– 2013 FOR UNDER GRADUATE PERSUING EXAMINATION

1. Gold Medal awarded to **Archan Mudwel** Enrollment No. **20108004** of B.Tech. (Mechanical Engineering) for standing first at B.Tech. Third Year Examination 2013. (CPI 9.67)
2. Gold Medal awarded to **Tanu Agarwal** Enrollment No. **20114044** of B.Tech (Computer Science and Engineering) for standing first at B.Tech. Second Year Examination 2013. (CPI 9.71)
3. Gold Medal awarded to **Priyanshu Srivastava** Enrollment No. **20124064** of B.Tech (Computer Science and Engineering) for standing first at B.Tech. First Year Examination 2013. (CPI 9.96)

8

RESEARCH AND DEVELOPMENT ACTIVITIES

Research and Consultancy (R&C) Cell	8.1
Research Projects	8.2
Sponsored Research Projects Completed	8.3
Consultancy Projects	8.4
TEQIP-II	8.5
Institute-Industry Interaction (III Cell)	8.6

RESEARCH AND DEVELOPMENT ACTIVITIES

8.1 Research and Consultancy (R & C) Cell

Knowledge of latest research innovations is the key for developing the technical manpower of the nation due to the overgrowing demand of industry for research oriented technocrats. With this motto the Research and Consultancy Cell at this Institute has grown significantly. Our faculty members and researchers are actively participating in research and development projects. Institute faculty provides variety of consultancy and testing services to various public and private industries, state and central government construction departments also. The Institute is well-endowed with high-quality equipment and advanced computing facilities. International collaboration with some leading universities and industries by the Institute provides an exciting platform for generating ideas and concepts which is required for meaningful research.

Over the last decade, rapid advancement in computational power coupled with availability of highend, low cost CAE software, has contributed largely to the development of research and consultancy in different areas of engineering and management at this Institute. These developmental research oriented activities have made a significant contribution in enriching researchers by sharing of knowledge of theory and fundamentals through mutual interactions by way of consultancy and testing projects.

Some of the activities of the Research and Consultancy Cell of the institute are:

1. To frame and revise rules for Research & Consultancy.
2. To provide guidance for submitting sponsored research proposals to funding agencies such as - DST, BARC, BRNS, ISRO, DRDO, AR & DB etc.
3. Recruitment and management of project staff.
4. Arranges special lecture of Academic, Research and Industrial relevance for latest knowledge.
5. Managing Institute funded research project for newly joined faculty members.
6. Conducting sensitization workshop for the faculty members to enhance the number of externally funded research projects.

8.2 Research Projects

The Institute receives a large number of research projects from various organisations including SERB, HSMI, DBT, CSIR, ICSSR, CST Lucknow, DRDO, MNRE, UPPCB, UGC, AR & DB, ADA Bangalore, MBHM Mumbai and DIT Institutional Research has been further boosted by the Institute to new faculty members. During the year 2013-14, the Institute has received a total number of 38 Research projects amounting to about Rs. 7.60 crores. During this year institute received total number of 250 testing and consultancy projects of Rs. 2.05 crores.

List of externally funded research project is given in **Annexure 7**.

8.3 Sponsored Research Projects Completed

- I. **Title of the Project:** Cylinder Pressure Reconstruction of Multi-Cylinder Spark Ignition Engine.

Funding Agency: Department of Science and Technology, New Delhi

Name of the P.I. and Department: Dr. Samir Saraswati, Mechanical Engineering Department.

Date of Commencement: 18.01.2010

Date of Completion: 31.03.2013

Achievements:- In this work, four different methods based on Frequency Response Functions (FRFs), neural networks, sliding mode observer and control oriented observer are evaluated for estimation of cycle-by-cycle cylinder pressure and indicated torque waveform, using crankshaft speed fluctuations. The accuracy of the models is analyzed using some of the parameters derived from cylinder pressure. These include indicated mean effective pressure and peak pressure. The load torque on the engine is also estimated using a closed loop observer. The models are tested on a test rig consisting of single cylinder engine coupled with eddy current dynamometer. The results show that the all the methods have potential for estimation of cylinder pressure and other variables related to it at the operating points where cyclic variations are within driveability limit. There were five publications in SCI Journals and conferences.

II. **Title of the Project:** Numerical algorithms for solving singularly perturbed boundary value problems with engineering applications.

Funding Agency: University Grant Commission, New Delhi.

Name of the P.I. and Department: Dr. Manoj Kumar, Department of Mathematics.

Date of Commencement: 01.02.2010

Date of Completion: 31.07.2013

Achievements: In this project, we described numerical algorithms with stability analysis and their implementation to solve real world problems modeled by singularly perturbed boundary value problems. Also, the implementation of the proposed techniques on computer using mathematical softwares, comparisons with existing literature and discussed the applicability in engineering problems that cannot be solved analytically.

Firstly we proposed a perturbation technique namely Multiple Scales Modified Lindstedt Poincare method for a Quintic Duffing equation after that an efficient initial value technique has been illustrated for non-linear singularly perturbed two-point nonlinear boundary value problems and also implemented it to higher order singularly perturbed two-point boundary value problems arises in various engineering applications for achieving our objective.

The proposed method is very easy on implementation on any computer and requires minimum problem preparation. The method has been shown of order two and is absolutely stable. The numerical examples considered show that the computed numerical values are in good accordance with the exact solutions.

Also this algorithm is developed for solving Higher-order singularly perturbed reaction–diffusion boundary-value problems. Reaction–diffusion equations are important to a wide range of applied areas such as cell processes, drug release, ecology, spread of diseases, industrial catalytic processes; transport of contaminants in the environment, chemistry in interstellar media etc.

III. **Title of the Project:** Experimental and Numerical study of Travelling wire electro-chemical spark machining of advanced engineering.

Funding Agency: Council of Scientific and Industrial Research, New Delhi.

Name of the P.I. and Department: Professor (Dr.) Vinod Yadava, MED

Date of Commencement: 14.01.2010

Date of Completion: 31.07.2013

Achievements: In this project, the focus is an application of a hybrid methodology comprising of Taguchi methodology (TM) coupled with response surface methodology (RSM) for modelling and TM coupled with weighted principal component (WPC) methodology for multi-objective optimization of a self developed travelling wire electro-chemical spark machining (TW-ECSM) process. First optimum level of input parameters is found using TM which is used as the central values in RSM to develop the second-order response model. For multi-objective optimization two quality characteristics surface roughness (Ra) and material removal rate (MRR), which are of opposite nature (Ra is the lower-the-better type, while MRR is the higher-the-better type), have been selected. The WPC is employed for the calculation of weight corresponding to each quality characteristic. The results indicate that the hybrid approaches applied for modelling and optimization of the TW-ECSM process are reasonable.

Travelling Wire Electro-Chemical Spark Machining (TW-ECSM) is an innovative hybrid machining process, combining the features of the Electro Chemical Machining (ECM) and Wire-Electro Discharge Machining (WEDM). It is more suitable for machining of electrically non-conductive engineering materials. Conventional machining methods and some unconventional machining methods cannot be effectively applied for machining of borosilicate glass due to the resulting problems of air borne dust, tool wear and thermal damage. In this paper an in-house TW-ECSM setup has been designed and fabricated successfully and employed for experimentation. The results about the feasibility of the process and its performance during machining of borosilicate glass have illustrated. Borosilicate glass, which is frequently used as a material for fabrication of micro structures, was used as a work piece. Experiments were carried out to investigate the effects of specimen thickness along with different type of wires on material removal rate (MRR). For same set of input parameters, material removal rate is found to decrease initially but after achieving certain value, it begins to increase with increase in specimen thickness.

- IV. **Title of the Project:** Role of DNA Methylation in setting up the chromatin organization of developmentally important genes in mammals.

Funding Agency: Department of Biotechnology, New Delhi.

Name of the P.I. and Department: Dr. Manisha Sachan, Department of Biotechnology, MNNIT Allahabad.

Date of Commencement: 16.08.2010

Date of Completion: 15.08.2013

Achievements: Methylation of cytosine residues in context of CpG dinucleotides within mammalian DNA is an epigenetic modification with profound effects on transcriptional regulation. It influences gene expression, parental imprinting and chromatin organization. The proposed work was focused on tissue specific (temporal and special) mapping of DNA methylation patterns and its specific role in gene expression regulation during mammalian development embryo to adult. Genes like Sox-11, Sox-9, Oct4 and HoxA5 were selected for mapping their developmental pattern of methylation as they play important role during mammalian development. Mus musculus was used as mammalian model system. These genes showed that their expression profiles correlate with the methylation patterns. To understand the relationship between developmental DNA methylation and histone modifications, chromatin immunoprecipitation was performed. Gene expression analysis coupled with ChIP and DNA methylation mapping was performed in sorting out the chromatin associated states (active/repressive) of developmentally important genes. Another objective of the project was to map the threshold minimum level of methylation for altering the chromatin conformation. It will also help in understanding the impact of the level of DNA methylation in regulating gene expression and chromatin assembly. These epigenetic events will put forward the mechanism in locating the chromatin conformation states influenced by DNA methylation during mammalian development.

- V. **Title of the Project:** Computational techniques for solving non-linear elliptic boundary value problems.

Funding Agency: Department of Science and Technology, New Delhi.

Name of the P.I. and Department: Dr. Manoj Kumar, Mathematics Department.

Date of Commencement: 16.09.2010

Date of Completion: 15.09.2013

Achievements: The class of boundary value problems considered in this project has for many years been a source of difficulty and entertainment to applied mathematicians. During the past half-century, the growth in power and availability of digital computers has led to increase the use of realistic mathematical models in science and

engineering, and numerical analysis has been needed to solve these mathematical models in more detail.

Firstly we proposed finite element techniques for solving non-linear singularly perturbed Schrodinger boundary value problems arise in various engineering applications for achieving our objectives. The proposed method is very easy for implementation on any computer and requires minimum problem preparation. Further, this algorithm is developed for finding positive solutions of a Logistic equation with a sign-changing weight function. Logistic equation is important to a wide range of applied areas such as selection-migration model in population genetics, biology, population growth etc. In our research we build an efficient finite element method for solving an elliptic Logistic equation with a sign changing weight function.

Finally, we have proposed a non variational finite element method to solve a nonlinear elliptic equation in its strong form and this technique has been illustrated for non-linear prescribed mean curvature problems. Convergence of method has been shown by numerical experiments. In conjunction with applications to optimal transportation and conformal geometry, there has been considerable research activity in recent years devoted to fully nonlinear, elliptic second order partial differential equations. So method proposed in this proposal can be used to solve problem arising in optimal transportation and conformal geometry.

VI. **Title of the project:** Study of Rees Algebra, graded rings in module theoretic setup and its applications

Funding Agency: National Board for Higher Mathematics (Department of Atomic Energy)

Name of the P.I. and Department: Prof. Shiv Datt Kumar, Department of Mathematics

Date of Commencement: 21.07.2010 **Date of Completion:** 31.03.2014

Achievements: In order to fulfill the objectives of research project, we investigated the following:

- (a) Rees algebra over an ideal in t -rings
- (b) Reduction in the Rees algebra of modules
- (c) On the Involutivity of the Characteristic Variety
- (d) Mathematical Counterpart of Heisenberg Uncertainty Principle

(e) Uniqueness of graded primary decomposition of modules graded over finitely generated Abelian groups

(f) On the number of generators of a projective module

Application Potential:

Characteristic variety is a significant tool in the study of D -module theory and its involutivity is a vital property which has many applications in the theory of Lie algebras, Representation theory and Mathematical Physics.

(a) The involutivity of the characteristic variety has been applied to classify the complex primitive infinite-dimensional Lie algebras, the complex primitive simple Lie algebras and in the proof of the theorem of a Konstant.

(b) One recent application of the Involutivity of Characteristic Variety is in the proof by Beilinson-Feigin-Mazur of the fact that conformal blocks for the Virasoro Lie algebra are finite-dimensional.

(c) The Involutivity theorem implies that the dimension of a module over the n th Weyl algebra is an integer between n and $2n$, called the Bernstein inequality.

(d) The involutivity theorem can be viewed as a concrete mathematical counterpart of the Heisenberg uncertainty principle in quantum physics. So it may also have applications in the quantum field theory.

(e) We also study t -rings and their modules. These particular types of rings have been used to give an algebraic proof of the integrability theorem which is one of the most important results of D -module theory.

(f) The Rees algebra is a basic commutative algebra analogue of the blow up operation in algebraic geometry. It has many applications (for instance, elimination theory, implicitization problem) and a great deal of modern work in commutative algebra has been devoted to it.

(g) The minimal reductions have played an important role in the study of many problems in commutative algebra, for example Hilbert function, Rees algebras and associated graded rings. If A is a local ring with an infinite residue field, the minimal reductions are particularly valuable because they help to control the co-homology of the blow-up. Minimal reduction of an ideal have the pleasing property of carrying most of the information about the original ideal but in general with fewer generators. If the residue field k of ring A is infinite, then the minimal number of generators of a

minimal reduction equals the analytic spread $l(I)$ of the ideal I , i.e; the dimension of the special fiber ring of I .

(h) The Noetherian property of Rees algebra in t-rings is useful for giving an analogue of a key result of commutative algebra, the Artin Rees lemma which plays an important role in the completion process of rings and modules.

8.4 Consultancy Projects

The Institute allows consultancy projects from various Government, Private, Multinational Companies and Non Government Organizations for faculty members. The Consultancy project fee is distributed on sharing basis. In this financial year the Institute received consultancy from various clients such as Irrigation Deptt., P.W.D, U.P. Awas Vikas Parisad, Nagar Nigam, Rites, N.C. Railway, ADA, Power Grid Corporation Ltd., Ganga pollution control unit, UP Jal Nigam, Ministry of Housing & urban poverty alleviation GOI, New Delhi and many others. Total fee received from the consultancy projects was approx. Rs. 2.05 crore.

Detail of consultancy is given in **Annexure 8**.

8.5 Technical Education Quality Improvement Programme (TEQIP-II):

Technical Education Quality Improvement Programme (TEQIP) was envisaged as a long-term programme of about 10-12 years duration to be implemented in 2-3 phases for transformation of the Technical Education System with the World Bank assistance.

As per TEQIP design, each phase is required to be designed on the basis of lessons learnt from the implementation of an earlier phase. TEQIP-I started a reform process in 127 Institutions. The reform process needs to be sustained and scaled-up for embedding gains in the system and taking the transformation to a higher level. To continue the development activities initiated through TEQIP-I, a sequel Project is planned as TEQIP-II.

Objectives

The Project has following objectives:

1. Strengthening Institutions to produce high quality engineers for better employability,

2. Scaling-up postgraduate education and demand-driven Research & Development and Innovation,
3. Establishing Centres of Excellence for focused applicable research,
4. Training of faculty for effective Teaching, and
5. Enhancing Institutional and System Management effectiveness.

During year 2013-14 around 20 faculty members attended Faculty Development programme inside and outside the country (under TEQIP-II). Innovative Research Project sanctioned through office of the Dean (R&C) during the period 2013-2014 and financially support by TEQIP-II funds were around of Rs. 1.35 crores. There were around 21 Conferences/ Seminar/ Workshop/ Short Term Courses conducted in the institute under TEQIP-II. Equipments amounting to about Rs. 2.00 crores were procured from TEQIP-II funds.

Detail of activities held under TEQIP II grant are given in **Annexure 9**

8.6 Institute-Industry Interaction (III Cell)

The Institute Industry Interaction Cell was established in the Institute in the year 1989 under the scheme of Institute Industry Interaction, Ministry of Human Resource Development. The main objectives of the Cell are:

- i. To interact with the industries to know the technology used by them so as to modify the curriculum.
- ii. To send the faculty members to the industry for training under faculty exchange programme.
- iii. To offer special courses to the engineers of the industries.
- iv. To take R & D work from the industries and to involve staff members to deal with the industrial problems.

The cell is equipped with the infrastructure facilities which are necessary for R & D projects and liaison with the industries. The III Cell also promotes staff members to visit industries to get first hand technological information and also identify industrial problems which can be handled by the Institute Staff. The Institute Industry Interaction Cell makes constant efforts to develop a win-win relationship with the industries.

Fulfilling the above mentioned objectives some of the activities performed during the year were as follows:

1. Memorandum of Understanding (MOU) finalized between Carbon Navigator, Chennai and MNNIT, Allahabad.
2. Project of Solid Waste Management already taken up under this MOU.
3. Discussions for MOU with IFFCO, Phulpur, Allahabad, is under progress.
4. Numerous Industries have been contacted, and discussions are in various stages for long term MOU.

9

CONCESSIONS FOR SC/ST/OBC & PHYSICALLY CHALLENGED STUDENTS/ STAFF

Scholarship and Assistantship Provided for Students	9.1
Concessions Provided for Staff	9.2

9.1 Concessions Provided for Students

Seats are reserved for SC/ST/OBC and handicapped students for the undergraduate and postgraduate courses as per Central Government norms. The government also provides scholarships to SC/ST students.

1. Student Activities:

During the financial year 2013-14 under review Rs. 33,000/- sanctioned for student activities from Student Welfare Fund.

Financial Help:

- (i) During the financial year 2013-14 under review Rs. 8,64,000/- sanctioned aid to Seventy two students.
- (ii) Sanctioned 09 Laptop and Scholarship Rs. 9,81,792/- from Ministry of Tribal Affairs, Education Section- New Delhi to 09 ST students.
- (iii) Sanctioned 09 Laptop and Scholarship Rs. 10,90,880/- from Ministry of Social Justice and Empowerment- New Delhi to 09 SC students.

2. Gold Medal:

During the financial year 2013-14 under review 18 students awarded for Gold Medals Rs. 48,787/-.

3. Scholarship and Assistantship:

Sl. No.	Department	Place	No. of students	Total Amount
1.	District Social Welfare office	Allahabad		
2.	O.B.C student		423	Scholarship + Tuition Fee
3.	SC/ST student		224	Scholarship + Tuition Fee
4.	General student		325	Scholarship + Tuition Fee
5.	Minority student		20	Scholarship + Tuition Fee
5-	M.N.N.I.T	Allahabad		
1.	M.Tech. 1 st year		425	Rs. 8,000/- per month
2.	Ph.D 1 st year (Engineering)		51	Rs. 18,000/- per month
6-	O.P. Gems		3	Rs. 65,000/- per student + Certificate and Gold Medal
7-	Merit Scholarship	M.N.N.I.T. Allahabad	314	Rs. 3000/- per student and Merit Certificate
8-	Received Scholarship (Other State)			
1.	N.C.E.R.T	Delhi	2	Rs. 12,000/-
2.	NTSE	Delhi	1	Rs. 6,000/-
3.	State Government	Bihar	15	Rs. 10,99,413/-
4.	State Government	M.P.	4	Rs. 1,70,060/-
5.	State Government	Dehradun	3	Rs. 1,21,500/-
6.	State Government	Faridabad	1	Rs. 76,851/-
7.	State Government	Chhattisgarh	1	Rs. 45,960/-
8.	Indian Oil Corporation	Delhi	5	Rs. 3,26,000/-

9.	ONGC	Dehradun	2	Rs. 1,20,000/-
10.	Central Sector Scholarship	MHRD,New Delhi	60	1-Annual Fee 2-Other Non Refundable charge 3-Loding & Boarding Charge 4-Books & Stationery. 5- Computer
11.	Handicap Student	NEFD	04	Rs.2,40,000/-

9.2 Concessions Provided for Staff

Institute provides reservation in appointment of teaching and non-teaching staff as per MHRD / Govt. of India orders / guidelines issued from time to time.

10

FACULTY ACHIEVEMENTS

Department of Applied Mechanics	10.1
Department of Biotechnology	10.2
Department of Civil Engg.	10.3
Department of Chemical Engg.	10.4
Department of Chemistry	10.5
Department of Computer Science & Engg.	10.6
Department of Electronics & Comm. Engg.	10.7
Department of Electrical Engg.	10.8
Department of GIS Cell	10.9
Department of Humanities & Sciences	10.10
Department of Mathematics	10.11
Department of Mechanical Engg.	10.12
Department of Physics	10.13
School of Management Studies	10.14

FACULTY ACHIEVEMENTS

10.1 DEPARTMENT OF APPLIED MECHANICS

I. Vision & Mission

To establish itself as a department recognised for its quality post graduate education and research in the broad field of Applied Mechanics and Materials.

To produce high quality human resource in the area of Applied Mechanics and Materials Engineering by way of continuous up-gradation of curriculum, improvement in academic processes & ambience, and faculty & infrastructure development. To create knowledge resource through research in emerging areas of Applied Mechanics and Materials in collaboration with national & international academic, research and industrial organisations and disseminate the same by contributing and conducting STTP, Workshops, Symposiums and Conferences.

II. a) Courses Run by Department

1. M.Tech. in Applied Mechanics
2. M.Tech. in Biomedical Engineering
3. M.Tech. in Fluids Engineering
4. M.Tech. in Material Science & Engineering

b) Courses in which students were admitted in 2013-2014

1. M.Tech. in Applied Mechanics
2. M.Tech. in Biomedical Engineering
3. M.Tech. in Fluids Engineering
4. M.Tech. in Material Science & Engineering

III. List of Ph. D Thesis Completed

Sl. No.	Name of Student (Reg. no.)	Thesis title	Supervisor(s)
1.	Ashutosh Kr. Upadhyay 2007RAM01	Nonlinear Static and Dynamic Analysis of Skew Plates	Prof. K.K. Shukla
2.	Akshoy Ranjan Paul 2006RAM03	Aerodynamic Studies of Turbulent Flow in Twin Air-Intakes	Prof. Anuj Jain Prof. S. Majudar (NAL)
3.	Vishwa Ratan Mishra 2009RAM03	Kinematic Analysis of a Higher Mobility Parallel Manipulator	Prof. Rakesh Mathur

IV. List of M. Tech Thesis Completed:

Sl. No.	Name of Student (Reg. no.)	Thesis Topic	Thesis Supervisor/ Supervisor(s)
1.	Adnan Ahmed 2011AM01	Free Vibration of Variable Stiffness Composite Laminates with Curvilinear Fibres	Prof. K.K. Shukla
2.	Anup Kumar Pathak 2011AM02	Some Parametric Study on Finite Element Analysis of Stiffened Laminated Composite Shells	Dr. Anindya Bhar
3.	Tushar Sharma 2011AM07	Evaluation of Mechanical Properties of Singal Wall Carbon Nano Tube & Multi Wall Carbon Nano Tube using FE Simulation	Prof. K.K. Shukla Dr. Ramesh Pandey
4.	Deepak Kumar 2011AM12	Buckling Analysis of CNT Reinforced Laminated Composite Plate	Prof. K.K. Shukla Dr. Ramesh Pandey
5.	Shashi Kant Singh 2011AM13	Parametric Studies on Response Behaviour of Laminated Composite Stiffened Plates	Dr. Ramesh Pandey Dr. Anindya Bhar
6.	Rajendra Bahadur 2011AM16	Stability of Stiff Film Resting on a Soft Substrate	Prof. K.K. Shukla
7.	Abhishek Srivastava 2011AM17	Some Parametric Study on the Finite Element Analysis of Functionally Graded Stiffened Plates	Dr. Ramesh Pandey Dr. Anindya Bhar
8.	Bharat Bhushan Sharma 2011AM18	Post-Buckling Analysis of Laminated Composite Skew Plates with Geometric Imperfection	Dr. Ramesh Pandey Dr. A. K. Upadhyay
9.	Sanyam Sharma 2011AM19	Mechanical Modeling of Lower Limb Musculoskeletal System for Normal and Pathological Gait	Prof. Rakesh Mathur Dr. R.P. Tewari
10.	Arvind Kumar Singh 2011AM20	Post-Buckling Analysis of FGM Skew Plates with Geometric Imperfection	Prof. K.K. Shukla Dr. A. K. Upadhyay
11.	Md. Reyaz Ur Rahman 2011AM21	Energy Absorption by Circular Tubes Subjected to Oblique Loading	Prof. K.K. Shukla Dr. A. K. Upadhyay

12.	Indrajeet 2011AM22	Finite Element Analysis of Stiffened CNT Reinforced Composite Plates	Prof. K.K. Shukla Dr. Anindya Bhar
13.	Mr. Rameez 2011AM23	Energy Absorption by Sandwich Plate with Hollow Pyramidal Truss Core	Prof. K.K. Shukla Dr. A. K. Upadhyay
14.	Abijeet Singh Mehta 2011BM02	Preparation and Characterization of Novel Double Hybrid Silk Fibroin Biomimetic Composite Scaffolds for Biomedical Application	Dr. R.P. Tewari
15.	Kirti Snigdha 2011BM03	Characterization and Utilization of Self-Assembling Fmoc Modified Phenylalanine Hydrogel	Dr. R.P. Tewari
16.	Abdul Manan 2011BM04	Development of Antimicrobial Surface through Coating of Gentamicine Sulphate Encapsulated PEG/PVA/Chitosan Polymer on Silicone for Prevention of Biofilm Formation	Dr. S.J. Pawar
17.	Aparna C.S. 2011BM05	CT-Image Based Modelling and Finite Element Analysis of Lumbar Spine	Dr. R.P. Tewari Prof. A.K. Govil
18.	Md. Shameem Rizvi 2011BM06	Synthesis and Characterization of Psyllium Seed Husks Based Novel Film for Wound Healing Application	Prof. K.M. Gupta Dr. R.P. Tewari
19.	Akhilesh Kumar Yadav 2011FE01	Computational Fluid Dynamics Analysis of Automobile Exhaust Muffler	Dr. S.J. Pawar
20.	Yatindra Singh Kashyap 2011FE02	Design of Hydraulic Diversion Structure Across River	Dr. R.M. Singh
21.	Deepak Kumar Kalyan 2011FE05	Modeling and Computational Analysis of Double Suction Impeller of Centrifugal Pump	Dr. A. R. Paul
22.	Kaushal Kishore Mishra 2011FE08	CFD Analysis of Solar Still	Prof. Anuj Jain

23.	Nitin Hegde 2011FE12	Active Flow Control in Transition Air-Intakes using Synthetic Jet Actuator	Dr. A. R. Paul
24.	Vikas Kumar Singh 2011FE14	Computational Investigation of Cavitation & Bubble Flow Erosion in Centrifugal Pump	Prof. Anuj Jain
25.	Virendra Kumar Pandey 2011FE16	River Flow and Sediment Yield Modelling	Dr. R.M. Singh (CE)
26.	Rachna David 2011FE18	Studies on Narrowing of Artery on Hemodynamic Factor using CFD	Prof. Anuj Jain
27.	Shashank Kumar Shukla 2011FE19	Air-Aerosol Two Phase Flow Study in Human Respiratory Tracts Using CFD	Prof. Anuj Jain
28.	Subhash Shinde 2011FE21	Design and CFD Analysis of Centrifugal Pump	Prof. Anuj Jain
29.	Satya Prakash 2011FE22	Design and Simulation of Electrets Condenser Microphone in 4C Product	Dr. S.J. Pawar
30.	Arvind Kumar Verma 2011FE23	CFD Analysis of Airflow Through Intake Manifold of Spark Ignition Engine	Dr. A. R. Paul Mr.Samir Saraswati (MED)
31.	Jay Prakash Yadav 2011MT08	Development and Characterization of Banana Fibre Reinforced Rice-Potato Biocomposites	Prof. K.M. Gupta Dr. S.J. Pawar
32.	Shwetambaram 2011MT09	Studies on Electric and Magnetic Behaviour of Zinc-Copper Ferrite	Prof. Anuj Jain
33.	Garvit Singh 2011MT10	Heterogeneous Material Modelling of Lumbar spine	Prof. Rakesh Mathur Dr. R.P. Tewari

V. Publication in Journals *International*

1. A. Sharma, A. K. Upadhyay and K. K. Shukla "Flexural response of Doubly Curved Laminated Composite Shells," *J. Science China Physics, Mechanics & Astronomy*, vol. 56, pp. 812-817, 2013. (Impact factor: not available).
2. A. K. Upadhyay and K. K. Shukla "Post-Buckling Analysis of Skew Plates Subjected to Combined in-Plane Loadings," *Acta Mech*, vol. 225, pp. 2959-2968, 2014.

3. A. K. Upadhyay and K. K. Shukla, "Geometrically Nonlinear Static and Dynamic Analysis of Functionally Graded Skew Plates," *Communications in Nonlinear Science and Numerical Simulation*, vol. 18, pp. 2252–2279, 2013. (Impact factor: 2.569).
4. A. K. Upadhyay and K. K. Shukla, "Nonlinear Static and Dynamic Analysis of Skew Sandwich Plates," *Composite Structures*, vol. 105, pp. 141-148, 2013. (Impact factor: 3.120).
5. A. K. Upadhyay and K. K. Shukla, "Post buckling Behavior of Composite and Sandwich Skew Plates," *Int. J. Nonlinear Mechanics*, vol. 55, pp. 120-127, 2013. (Impact Factor: 1.463).
6. A. Vedrtnam, S. J. Pawar, and R. Bhandari, "Ultrasonic Testing of Glass Fiber Reinforced Polypropylene Composites," *Int. J. of Mechanical Engineering and Technology*, vol. 4, pp. 118-124, 2013. (Impact Factor: 5.7731).
7. A. R. Paul, P. Ranjan, V. K. Patel, and A. Jain, "Comparative Studies on Flow Control in Rectangular S-Duct Diffuser using Submerged-Vortex Generators," *Aerospace Science and Technology*, vol. 28, pp. 332-343, 2013. (Impact factor: not available).
8. A. R. Paul, S. Joshi, A. Jindal, S. P. Maurya, and A. Jain, "Experimental Studies of Active and Passive Flow Control Techniques Applied in a Twin Air-Intake," *The Scientific World Journal*, vol. 2013, p. 8, 2013. (Impact factor: not available).
9. A. K. S. Chauhan, A. Mishra, U. Pandey, and S. J. Pawar, "Mechanism of Heat and Mass Transfer in Sandwiched Fibrous Insulations Subjected to Moisture Absorption and Condensation," *Int. J. of Engineering Research & Technology*, vol. 2, 2013. (Impact Factor: 1.76).
10. A. Jain, R. K. Baranwal, A. Bharti, Z. Vakil, and C. S. Prajapati, "Study of Zn-Cu Ferrite Nanoparticles for LPG Sensing," *The Scientific World Journal*, vol. 2013, pp. 1-7, 2013. (Impact factor: not available)
11. D. Archana, L. Upadhyay, R. P. Tewari, J. Dutta, Y. B. Huang, and P. K. Dutta, "Chitosan-pectin-alginate as a Novel Scaffold for Tissue Engineering Applications," *Indian J. of Biotechnology*, 2013. (Impact Factor: 0.55).
12. G. Bhardwaj, A. K. Upadhyay, R. Pandey, and K. K. Shukla, "Nonlinear Flexural and Dynamic Response of CNT Reinforced Laminated Composite Plates," *J. Composites-B*, vol. 45, pp. 89-100, 2013. (Impact factor: not available).

13. J. K. Rai, R. P. Tewari, and D. Chandra, "An Optimal Control of Biped Robot For Human-Like Walking," *Int. J. of Robotics and Automation*, vol. 28, pp. 129-136, 2013. (Impact factor: not available).
14. J. Singh, S. Singh, and K.K. Shukla, "Meshless Analysis of Laminated Composite and Sandwich Plates Subjected to Various Types of Loads," *J. for Computational Methods in Engineering & Mechanics*, vol. 15, pp. 158-171, 2014. (Impact factor: not available).
15. L. Upadhyaya, J. Singh, K. Shukla, V. Agarwal, and R. P. Tewari. "Advances in Strategies for Preventive and Diagnostic Health Care," *Int. J. of Nanoscience & Technology*, vol. 2, pp. 11-18, 2013. (Impact factor: not available).
16. P. Dwivedi, S. S. Narvi, R. P. Tewari, "Application of Polymer Nanocomposites in the Nanomedicine Landscape: Envisaging Strategies to Combat Implant Associated Infections," *J. of Applied Biomaterials and Biomechanics*, vol. 11, pp. 129-142, 2013. (Impact factor: not available).
17. P. Dwivedi, S. S. Narvi, and R. P. Tewari, "Phytofabrication Characterization and Comparative Analysis of Ag Nanoparticles by Diverse Biochemicals from *Elaeocarpus ganitrus* Roxb., *Terminalia Arjuna* Roxb., *Pseudotsugamenzietii*, *Prosopis picigera*, *Ficus religiosa*, *Ocimum sanctum*, *Curcuma longa*," *Industrial Crops and Products*, vol. 54, pp. 22-31, 2014. (Impact factor: not available).
18. P. Dwivedi, S. S. Narvi, and R. P. Tewari, "Novel Scientific Appraisal of *Elaeocarpus ganitrus* the Rudraksha: Nano Silver Synthesis with Aspects of Variation in Concentration Antimicrobial Activity and In vitro Biocompatibility" *Annual Research & Review in Biology*, vol. 4, pp. 1059-1069, 2014. (Impact factor: not available).
19. S. Singh, J. Singh, and K. K. Shukla, "Buckling of Laminated Composite and Sandwich Plates Using Radial Basis Function Collocations," *International Journal of Structural Stability and Dynamics*, DOI: 10.1142/S0219455415400027. (Impact Factor: 1.059).
20. V. K. Patel, S. N. Singh, and V. Seshadri, "Effect of Blockage and Location on Mixing of Swirling Coaxial Jets in a Non-expanding Circular Confinement," *Int. J. of Turbo & Jet-Engines*, vol. 30, pp. 153-171, 2013. (Impact factor: not available).
21. V. K. Srivastav, A. R. Paul, and A. Jain, "Effects of Cartilaginous Rings on Airflow and Particle Transport through Simplified and Realistic Human Upper Respiratory Tracts," *Acta Mechanica Sinica*, vol. 29, pp. 883-892, 2013. (Impact Factor 1.369).

22. V. K. Srivastav, A. Kumar, S. K. Shukla, A. R. Paul, A. D. Bhatt, and Anuj Jain, "Airflow and Aerosol-Drug Delivery in a CT Scan based Human Respiratory Tract with Tumor using CFD," *J. of Applied Fluid Mechanics*, vol. 7, pp. 345-356, 2014. (Impact factor: not available).

VI. Publication in Conferences:

For Published Conference Proceeding:

1. A. Bhar, S. K. Satsangi, and S. K. Bhattacharyya, "Finite Element Analysis of Laminated Composite Stiffened Annular Sector Plates," in *Proc. Int. Conf. on Ship and Offshore Tech.*, IIT Kharagpur, India, Paper pp. 151-161, 2013.
2. A. Vedrtnam, G. Singh, and S. J. Pawar, "Application of Taguchi Analysis for Variation for Properties of CBSX30 EH Thermal Film during Storage," *Naitonal. Conf. on Frontiers in Mechanical Engineering*, MANIT Bhopal, India, 2013.
3. A. R. Paul, S. Joshi, A. Jindal, S. P. Maurya, and A. Verma, "Large Eddy Simulation of Vortex Shedding with Triangular Cylinder ahead of a Square Cylinder," *Proc. of the 8th Asia-Pacific Conf. on Wind Engineering*, CSIRSERC Chennai, India vol. 241, pp. 299-302, 2013.
4. A. U. Rehman, S. Shinde, V. K. Singh, A. R. Paul, A. Jain, and R. Mishra, "CFD Based Condition Monitoring of Centrifugal Pumps," *Proc. of COMADEM 2013*, Helsinki, Finland , 2013.
5. D. K. Kalyan, A. U. Rehman, A. R. Paul, and A. Jain, "Computational Flow Analysis through a Double-Suction Impeller of a Centrifugal Pump," *Proc. of 40th National. Conf. on Fluid Mechanics & Fluid Power*, NIT Hamirpur, India, Dec. 2013.
6. N. Hegde, P. K. Tiwari, A. R. Paul, and A. Jain, "Investigation of Flow Control in Transition Air-Intake using Synthetic Jet Actuators," *Proc. of Indian Conf. on Applied Mechanics*, at IIT Madras, India, July 2013.
7. P. K. Singh, and S. J. Pawar, "Some Investigations on the Sound Field (sound propagation) Measurement in a Rectangular Room," *Int. Conf. On "Advances in Mechanical, Automobile and Aerospace Engineering"*, Jawaharlal Nehru University, New Delhi, India, 2013.
8. Rameez, A.K. Upadhyay, and K.K. Shukla, "Energy Absorption in Sandwich Plates with Pyramidal Hollow Truss Core," *Indian Conf. on Applied Mechanics*, IIT Madras, India, 2013.

9. S. J. Pawar and Jin H. Huang, "Healthcare in Leisure Hearing: Prevention is Better than Cure," *Int. Conf. on Civil, Biological and Environmental Engineering*, Bangkok (Thailand), pp. 100-104, 2013.
10. S. J. Pawar, Steven Her, J. H. Huang, "Some Studies on Electret Condenser Microphone Production Line for Reduction in Rejection Rate by Electrostatic Polarization Process Control," *The 5th Int. Conf. on Science, Technology and Innovation for Sustainable Well-Being*, Luang Prabang, p. 117, 2013.
11. S. J. Pawar, W. S. Kuo, J. H. Huang, "Graphite Nanosheet-Epoxy Nanocomposite Synthesis: Issues," *The 5th Int. Conf. on Science, Technology and Innovation for Sustainable Well-Being*, Luang Prabang, p. 34, 2013.
12. S. K. Shukla, V. K. Srivastav, A. R. Paul, and A. Jain, "Computational Study of Aerosol Drug Deposition on Tumorous Human Airway Model," *Proc. of 40th National. Conf. on Fluid Mechanics & Fluid Power*, NIT Hamirpur, India, 2013, H. P.
13. S. Joshi, A. Jindal, V. S. Yadav, P. K. Tiwari, A. R. Paul, and A. Jain, "Calibration Methodology of Wall Shear Stress Sensor," *Proc. of 40th Nat. Conf. on Fluid Mechanics & Fluid Power 2013*, NIT Hamirpur, India, Dec. 2013, H. P.
14. S. Shinde, A. R. Paul, and A. Jain, "CFD Analysis of Viscous Flow over Delta-Rectangular Wing," *Proc. of 2nd Students' Conf. on Engineering and Systems 2013*, MNNIT Allahabad, India, Apr. 2013.
15. T. Sharma, K. Guru, S. B. Mishra, and K. K. Shukla. "Evaluation of Mechanical Properties of SWCNT and MWCNT Using FE simulation," *INCAM 2013* at IIT Chennai, India.
16. V. K. Srivastav, A. K. Verma, V. S. Yadav, A. R. Paul, A. Jain, "Studies of Laminar Flow through a Bifurcated Human Respiratory Tract," *Proc. of Indian Conf. on Applied Mechanics*, at IIT Madras, India, July 2013.
17. Z. Vakil, A. Jain, K.M. Gupta, and S. Srivastava "Magnetic Characterization of a Novel Ferrite Nanoparticles," *Proc. of the Int. Conf. on Nano and Composite Engineering*, Spain, July 2013.

Papers Presented at Conferences:

1. A. Kumar, V. Agarwala, and D. Singh, "Effect of Co substitution on microwave absorption of BaFe₁₂O₁₉" at Int. Conf. "The Minerals, Metals & Materials Society, 143rd Annual Meeting & Exhibition" at San Diego, California, USA held during Feb. 16-20, 2014.

2. A. Bharti, K. N. Pandey, K. M. Gupta, "Effect of Cryorolling on Microstructure of Al 2024" Proc. of Int. Conf. on Metallurgical & Materials Processes, Products and Applications, India, 2014.
3. A. Bharti, K. N. Pandey, and K. M. Gupta, "Effect of Mean -stress on the Performance of Double-lap Bolted Joint" Proc. of Int. Conf. on Metallurgical & Materials Processes, Products and Applications, India, 2014.

VII. Reviewer in International Journals:

Sl. No.	Faculty Name	Journal Name
1.	Akshoy Ranjan Paul	Thermal Science
2.	Anindya Bhar	The Arabian Journal for Science and Engineering (Springer)
3.	Abhishek Kumar	Advance Powder Technology Journal of Material Science

VIII. Book(s)/Book(s) Chapter(s) Authored:

Sl. No.	Faculty Name (Author/Co-author)	Book	Book Chapter	Publisher
1.	Dr. K. K. Shukla Dr. Anuj Jain, Ramesh Pandey	Strength of Materials	-----	Narosa Publication
2.	Dr. K. K. Shukla Ramesh Pandey	Chapter Number 474 of Encyclopedia of Thermal Stresses (ETS)	Buckling and Post-Buckling of Composite Plates Under Thermal Loads	Springer Science & Business Media Dordrecht
3.	S. J. Pawar Jin H. Huang	Investigations on Electroacoustic Transducers		Lap Lambert Academic Publishing Germany, 23-03-2013, ISBN-13: 978-3-659-35764-0, ISBN-10: 3659357642, EAN: 9783659357640.
4.	S. J. Pawar		Miniature Manufacturing of Micromachined Microphone	An invited chapter in proceeding of National Symposium on Miniature Manufacturing in 21 st Century (Aug. 16-18, 2013), IIT, BHU, Varanasi

IX. Conference/Workshop/Short Term Course Organized by department:

Sl. No.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month & Year
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1.	National Symposium on “Future Role of Applied Mechanics in Engineering 2014”	Anuj Jain (Chair) A. R. Paul (Convener) Other faculty members (Conveners)	Mar. 30, 2014
2.	National Workshop on “Research Methodology in Fluid Mechanics 2013”	Anuj Jain (Convener) S.V. Prabhu (IIT Bombay)-Convener A. R. Paul (Coordinator)	Sept. 27-28, 2013
3.	Self-financed Short-term Training Programme on “Computational Fluid Dynamics”	Anuj Jain, A. R. Paul (Coordinators)	July 2-6, 2013
4.	One Week Self Financed Short Term Course on “Micromanufacturing: Materials, Processes and Systems 2013”	Prof. Vinod Yadava, Dr. S J Pawar, and Dr. Audhesh Narayan	July 08-12, 2013

X. Invited Lectures Delivered:

1. Dr. S. J. Pawar delivered a lecture on July 08-12, 2013, at Mechanical Engineering Department & Applied Mechanics Department, Motilal Nehru National Institute of Technology, Allahabad in One Week Self Financed Short Term Course on “Micromanufacturing: Materials, Processes and Systems (MMPS-2013),” on the following topics, “Materials in Micromanufacturing,” and “Measurements in Micromanufacturing”.
2. Dr. S. J. Pawar delivered a lecture on July 11-15, 2013 at Mechanical Engineering Department, Motilal Nehru National Institute of Technology, Allahabad in Short Term Course on “Computer Aided Engineering,” on the topic, “Miniature Loudspeaker Design”.
3. Dr. A. R. Paul delivered one invited lecture on July 14, 2013 at Department of Mechanical Engineering, MNNIT Allahabad in self-financed One-week Short Term Course on the topic, “Computer Aided Engineering and Modeling & Simulation of Centrifugal Pumps: Challenges & Opportunities”.
4. Dr. A. R. Paul delivered one invited lecture on Jan. 28, 2014 at Sam Higginbottom Institute of Agriculture, Technology and Sciences (SHIATS), Allahabad on the topic, “Turbulence and Its Modeling”.

XI. Invited Lectures Organized:

1. Expert lecture by Prof. K. D. P. Nigam, Professor Emeritus, IIT Delhi on Feb. 20, 2014 on “Coiled Flow Inverter (CFI): A Novel Device”.

XII. Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme:

1. Dr. A. R. Paul as a Coordinator, National Workshop on “Research Methodology in Fluid Mechanics” was organized in collaboration with national Society of Fluid Mechanics & Fluid

- Power, IIT Bombay during Sept. 27-28, 2013 at Department of Applied Mechanics, MNNIT Allahabad.
2. Dr. A. R. Paul was one of the Conveners of a National Symposium on “Future Role of Applied Mechanics in Engineering” organized on Mar. 30, 2014 at Department of Applied Mechanics, MNNIT Allahabad.
 3. Dr. A. R. Paul was the Programme Coordinator of a Self-financed Short-term Training Programme on “Computational Fluid Dynamics” organized during July 2-6, 2013 at Department of Applied Mechanics, MNNIT Allahabad.
 4. Dr. S. J. Pawar coordinated one week self-financed Short Term Course on “Micromanufacturing: Materials, Processes and Systems,” July 8-12, 2013, Mechanical Engineering Department and Applied Mechanics Department, MNNIT Allahabad
 5. Er. A. Bharti coordinated Two week ISTE workshop on “Engineering Mechanics” under the project “National Mission on Education through Information and Communication Technology” funded by MHRD, Government of India, during Nov. 26-Dec.06, 2013 jointly organized by MNNIT Allahabad and IIT Bombay.

XIII. Conferences/Workshops/Short-Term Courses/Training Programme Attended:

1. R. Pandey attended Seven Days National Workshop on “Optimization Techniques & their Applications” organized by Department of Mathematics, MNNIT Allahabad, India, during June 5-11, 2013.
2. A. Kumar attended One Week QIP course on “Processing and Fabrication of Metal Matrix Composites” organized by Metallurgical and Materials Engineering held at IIT Roorkee (Uttarakhand), India, during July 1-5, 2013.
3. A. Bharti attended One Week ISTE workshop on “Engineering Mechanics” under the project “National Mission on Education through Information and Communication Technology” funded by MHRD, Government of India, organized by IIT Bombay, India, during Sept. 16-20, 2013.
4. A. Jain attend TEQIP-II sponsored 6th batch of Faculty Training on “Management Capacity Enhancement for Administrator” at IIM Lucknow, India, Noida Campus from Oct. 21-25, 2013.
5. A. K. Upadhyay attended Workshop on “Applied Mechanics: Pravartana” Oct. 4-7, 2013, held at IIT Kanpur, India.

6. A. R. Paul attended an International Workshop on “Open FOAM- A Free Computational Fluid Dynamics Software: Applications and Development” at Rajashi Sahu College of Engineering, Pune, India, during Dec. 26-28, 2013.
7. A. Jain attended the National Workshop on Open Foam-A Free CFD Software: Applications and Development from Dec. 26-28, 2013 at Rajarshi Shahu College of Engineering, Pune, Maharashtra, India.
8. A. Bharti attended International Conference on “Metallurgical & Materials Processes, Products and Applications,” Raigarh, India during Jan. 8-10, 2014.
9. A. R. Paul attended a Workshop on “Intellectual Property Rights (IPR)” at MNNIT Allahabad, India, during Feb. 6-7, 2014.
10. R.P. Tewari attended the International Workshop on “Coatings and Surface for Biomedical Engineering” without paper at IIT Chennai, India, Tamilnadu during Feb.14-17, 2014.
11. S.J. Pawar attended TEQIP Workshop on Teaching Methodologies in Materials and Chemical Sciences, TEQIP Knowledge Incubation Centre, IIT Kanpur, India, during Feb. 22-23, 2014.
12. A. R. Paul attended NBA Sponsored “2nd World Summit on Accreditation” organized by National Board of Accreditation (NBA) at Hotel “The Asoka in New Delhi”, India, during Mar. 8-10, 2014.
13. A. R. Paul attended “One week Coordinator’s Workshop on Fluid Mechanics” organized by National Mission on Education through ICT (MHRD, Govt. of India) at IIT Kharagpur, India, during Mar. 11-15, 2014
14. A. Jain attended a TEQIP-II sponsored “Faculty Development Program on Inverse Design and Condition Monitoring of Turbo-machines” at University of Huddersfield in UK from Mar. 03-21, 2014.

XIV. Research Projects Ongoing/Completed

Sl. No.	Principal Investigator/Co investigator(s)	Project Title	Funding Agency	Amount (INR in Lacs)	Duration (Status)
1.	Dr. Akshoy Ranjan Paul (P.I.)	Flow Control in Complex Ducts using Synthetic Jets	SERB, DST under Start-Up Grant	23.93	Aug. 2013 (3 yrs.)
2.	Prof. Anuj Jain (PI)	For Strengthen Research and Postgraduate teaching in different areas	DST FIST	130.00	Sanctioned on Apr. 18, 2007 for five Year

XV. Other Relevant Information to be incorporated in Annual Report:

International Visits:

1. Dr. Anindya Bhar visited the Mechanical Engineering Department at University of South Carolina Columbia, USA during Mar. 14-23, 2014, supported under the Faculty Development Programme (FDP) under TEQIP-II.
2. Dr. Abhishek Kumar presented his paper titled “Effect of Co Substitution on Microwave Absorption of BaFe₁₂O₁₉ in the International Conference from Feb. 16-20, 2014 at San Diego, USA under CPDA.
3. Dr. S. J. Pawar presented his paper on “Healthcare in Leisure Hearing: Prevention is Better than Cure” in an International Conference on Civil, Biological and Environmental Engineering (CBEE 2013) from Nov. 21-22, 2013 at Bangkok, Thailand under CPDA.
4. Dr. S. J. Pawar visited to Feng Chia University, Taichung, Taiwan for the purpose of “Academic Collaboration with Electroacoustic Laboratory from July 19-27, 2013.

10.2 DEPARTMENT OF BIOTECHNOLOGY

I. Vision & Mission:

The biotechnology program vision is to provide quality teaching with a strong core science concepts and an application-oriented undergraduate and post-graduate education along with solid foundation in the rapidly expanding fields of biotechnology that enable them to produce high quality professionals. This includes trans-disciplinary teaching and research. Our goal is to provide students with a sound knowledge and understanding of current theories, concepts and laboratory practices in biotechnology.

To generate high quality engineering professionals by offering B.Tech. and M.Tech. programmes in Biotechnology and to develop a premier biotechnology teaching and research department to cater the needs and challenges of the region and the country. The department of Biotechnology has six eminent faculties in various disciplines. The faculty is supervising number of externally funded research projects in different disciplines. In the year 2011-12, a total of six research projects funded by DST/DBT/Ministry of New and Renewable Energy have been sanctioned/ initiated in the department. Faculty in the Department of biotechnology proved its excellence by publishing a total of nine research papers in national/international journals. The department faculty has also contributed to a chapter in book entitled “Biotransformation of agro-industrial wastes: Fine biochemicals” and has made visits abroad for attending conferences for presenting papers/invited lecture/training programmes. In addition faculty is also supervising B.Tech and M.Tech research projects in the department.

I. a) Courses Run by Department

B.Tech.

M.Tech.

Ph.D.

b) Courses in which students were admitted in 2013-2014

i) B.Tech.

ii) M.Tech.

iii) Ph.D.

II. List of Ph. D Thesis Completed:

Sl. no.	Name of Student (Reg. no.)	Thesis title	Supervisor(s)
1.	Ravindra Pratap Singh	Synthesis and Characterization of Nanomaterials for Biomolecule Conjugation and Photovoltaic devices	Dr. Anjana Pandey
2	Raj Kishor Gupta	Enhancement of bioavailable micronutrients Iron and Zinc in bread wheat (<i>Triticum aestivum</i> L.) through reduction of phytic acid	Dr. N. K. Singh
3.	Devender Prasad Maurya	Bioethanol production from sugarcane top	Dr. Vishnu Agarwal Dr. Sangeeta Negi
4.	Preetam Verma	Differential Drug Resistance and prevention of staphylococcus aureus and Ecoli biofilms formed on silicone rubber and PVC surfaces	Dr. Vishnu Agarwal Dr. Sangeeta Negi

III. List of M. Tech Thesis Completed:

Sl. no	Name of Student (Reg. No.)	Thesis Title	Supervisor(s)
1.	Rajpreet Kaur 2011BT02	Screening of Wheat Germplasm for Callus Registration and Development of single Cell suspension Culture for Response to Salt Stress	Dr. N. K. Singh
2.	Jyanti Kumari 2011BT03	Optimization of Lac case Production by <i>Pleurotus Ostreatus</i> using Solid Fermentation and Its Application	Dr. Sangeeta Negi
3.	Nitin Kumar 2011BT04	Assessment of Soil Bacteria Associated With Rice Soil for Plant Growth Promotion and Bio-control Potential	Dr. Shivesh Sharma
4.	Prerna 2011BT05	Reduction of Celiac Disease Related Gluten Protein (α -Gliadin) From Bread Wheat	Dr. N. K. Singh
5.	Shyam Dhar Dubey 2011BT06	"Effect of CTAB on Eucalyptus oil Containing Silica Nanoparticles"	Dr. Vishu Agarwal
6.	Rajnesh Kumari Yadav 2011BT07	Enhancement of stability of Lipase produced from <i>Penicillium chrysogenum</i>	Dr. Sangeeta Negi

7.	Sheetal Yadav 2011BT09	Developmental DNA Methylation of Specific CpGs in OCT-4 and SOX-13 Genes in Mammals	Dr. Manisha Sachan
8.	Neha Upadhyay 2011BT11	Screening of Bacterial Isolates Associated with Rice Rhizosphere for Direct Plant Growth Promotion Activities In Vitro	DR. Shivesh Sharma
9.	Shruti Singh 2011BT12	Association study Functional Polymorphisms in DNMT3A & DNMT3B Genes with Breast Carcinoma in North Indian Population	Dr. Manisha Sachan
10.	Manjoo Rani 2011BT13	Quality Improvement of Basmati Rice (<i>Oryza sativa</i> L.) using Tilling Population	Dr. N. K. Singh
11.	Beena Tarar 2011BT14	Analysis of bacterial diversity isolated from different PAHs contaminated sites of calotropisrhizosphere by RAPD markers.	Dr. Shivesh Sharma
12.	Suhaga Dohare 2011 BT 15	Optimization of TEOS and Ammonia Ratio for the Synthesis of Eucalyptus globules oil Containing Silica Nanoparticles	Dr. Vishnu Agarwal

IV. Publication in Journals *International* :

1. K. Gupta, R.P. Singh, A. Pandey, and A. Pandey, "Photocatalytic antibacterial performance of TiO₂ and Ag-doped TiO₂ against *S. aureus*, *P. aeruginosa* and *E. coli*" *Beilstein J. Nanotechnology*, vol. 4, pp. 345–351, 2013. (Impact factor 2.5).
2. S. Bisht, P. Pandey, G. Kaur, H. Aggarwal, A. Sood, S. Sharma, V. Kumar, and N.S. Bisht, "Utilization of endophytic strain *Bacillus* sp. SBER3 for biodegradation of polyaromatic hydrocarbons (PAH) in soil model system" *European J. of Soil Biology*, vol.60, pp. 67-76, 2014. (Impact Factor: 2.269).
3. R. K. Gupta, S. S. Gangoliya, and N. K. Singh, "Reduction of phytic acid and enhancement of bioavailable micronutrients in food grains," *J. Food Sci. Technology*. DOI 10.1007/s13197-013-0978-y, (Impact Factor 2.2).
4. S. Ranghar, P. Sirohi, P. Verma, and V. Agarwal, "Nanoparticle-Based Drug Delivery Systems: Promising Approaches against Infections," *Brazilian Archives of Biology and Technology*. vol. 57, pp. 209-222, 2014. (Impact Factor: 0.65).

5. L. Upadhyaya, J. Singh, V. Agarwal, and R. P. Tewari, "The Implications of Recent Advances in Carboxymethyl Chitosan Based Targeted Drug Delivery and Tissue Engineering Applications," *J. of Controlled Release*, vol. 186, pp. 54-87, 2014. (Impact Factor: 7.76).
6. K. Mishra, H. Pandey, V. Agarwal, P. W. Ramteke, and A. C. Pandey, "Nanoengineered mesoporous silica nanoparticles for smart delivery of doxorubicin," *J. of Nanoparticle Research*, vol. 16, 2014. (Impact Factor: 2.27).
7. L. Upadhyaya, J. Singh, V. Agarwal, A.C. Pandey, S. P. Verma, P. Das, and R. P. Tewari, "In situ Grafted Nanostructured ZnO/carboxymethyl Cellulose Nanocomposites for Efficient Delivery of Curcumin to Cancer," *J. of Polymer Research*, vol. 21, pp.1-9, 2014. (Impact Factor: 1.89).
8. S. Dohare, S. D. Dubey, M. Kalia, P. Verma, H. Pandey, N. K. Singh, and V. Agarwal, "Anti-Biofilm Activity of Eucalyptus Globulus Oil Encapsulated Silica Nanoparticles against E. Coli Biofilm," *Int. J. Pharm. Sci. Res*, vol. 5, 2014. (Impact factor: not available).
9. M. Pamnani and M. Sachan, "Study of promoter DNA methylation of Sox11 and its correlation with tissue-specific expression in the laboratory mouse," *Gene*, vol. 552, pp. 133-139, 2014. (Impact Factor: 2.8).
10. S. Jyoti, S. Shivesh, N. Seema, and D. Shikha, "Harnessing Bacterial Indicators Along with Physicochemical Parameters to Assess Pollution in the Ganges River," *J. of Pure and Applied Microbiology*, vol. 7, pp. 1409-1415, 2013. (Impact Factor: 0.073).
11. S. N. Singh, and N. S. Nara, " Biological Synthesis and Characterization of Lead Sulphide Nanoparticles Using Bacterial Isolates from Heavy Metal rich Site," *Int. J. of Agriculture and Food Science Technology*, vol. 4, pp. 16-23, 2013. (Impact factor: not found).
12. P. Sonawane, *et. al.*, "Probing the active site of Cinnamoyl CoA reductase 1 (LI-CCRH1) from *Leucaena leucocephala*," *Int J Bio Macromol*, vol. 60, pp. 33-38, 2013. (Impact Factor: 3.096).

V. Publication in Journal National:

1. S. Dolly and A. Pandey, "Evaluation of mixed heterotrophic microbial consortium obtained from Indian cow dung for biological hydrogen production," *J. of Alternate Energy Sources and Technologies*, vol. 4, pp. 1-6, 2013. (Impact factor: not available).

2. V. Singh, S. Sharma, and K. P. Shukla, "Harnessing PGPR from rhizosphere of prevalent medicinal plants in tribal areas of Central India," *Research J. of Biotechnology*, vol. 8, pp. 76-85, 2013. (Impact Factor: 0.26).
3. K. P. Shukla, S. Sharma, N. K. Singh, and V. Singh, "Prospecting Bacillus Species Isolated from Rhizosphere of Calotropis Plant for Biodegradation of Polycyclic Aromatic Hydrocarbons," *Pure and Applied Microbiology*, vol. 7, pp. 587-593. (Impact factor: not available).
4. N. K. Singh, *et. al.* "Comparative study of endosperm development of early and late variety of basmati rice (*oryza sativa* l.) for yield improvement," *Plant Archives*, vol. 13, pp. 493-499. (Impact factor: not available).
5. M. Yadav, P. Singh, R. Kaur, R. K. Gupta, S. S. Gangoliya, and N. K. Singh, "Impact of food phytic acid on nutrition health and environment," *Plant Archives*, vol. 13, pp. 605-611. (Impact factor: not available).

VI. Publication in Conferences:

For Published Conference Proceedings

1. S. Singh, A. Pandey, and C. K. Dwivedi, "Construction and Operation of Membrane-less Single Chambered Microbial Fuel Cell," *McGraw Hill Education (India) Pvt. Ltd., New Delhi*, 2013, pp. 250-256.
2. R. K. Gupta, S. S. Gangoliya, N. K. Singh, "Enhancement of Fe content in bread wheat through genetic recombination between cultivars and germplasms," *Proc. for Int. Conf. on Health, Environment and Industrial Biotechnology 2013*, Published by McGraw Hill Education (India) Private Limited, , 2013, pp. 198-201.
3. A. Khekali, M. B. Khan, and S. Srivastava, "Metabolic engineering of E.coli for the production of monolignols," *Int. Conf. on Health Environment and Industrial Biotechnology*, Biosangam 2013, MNNIT Allahabad, India, 2013.
4. S. Srivastava, *et. al.*, "Epigenetic inactivation of multiple genes controlling epithelial to mesenchymal transition in the development of advanced laterally spreading tumours," *Cancer Conf., NCRI, UK*, 2013.

Papers Presented at Conferences:

1. A. Pandey, "Biological hydrogen production by three step integrated approach using cyanobacterial biomass," presented at 5th Congress of European Microbiologists, Leipzig, Germany, July 21-25, 2013.
2. P. Sinha & A. Pandey, "Fermentative hydrogen production by *Bacillus firmus* NMBL-03 exploiting various feedstocks" presented at FEMS 2013 5th Congress of European Microbiologists, Leipzig, Germany, July 21-25, 2013.
3. S. Dolly, P. Sinha, and A. Pandey, "Enhanced conversion of starch into hydrogen gas by sequential two stage fermentation" presented at Int. Conf. health, environment, & industrial biotechnology at Motilal Nehru National Institute of Technology, Allahabad, India, 2013.
4. S. Singh, C. K. Dwivedi, and A. Pandey, "Construction and operation of membrane less single chambered microbial fuel cell" presented at Int. Conf. health, environment, & industrial biotechnology at Motilal Nehru National Institute of Technology, Allahabad, India, 2013.
5. M. Z. Shamim and A. Pandey, "Reactive oxygen species: Their generation and abiotic stress tolerance mechanism in plants" presented at Int. Conf. Health, Environment, & Industrial Biotechnology at Motilal Nehru National Institute of Technology, Allahabad, India, 2013.
6. M. Z. Shamim and A. Pandey, "Importance of protection of plant varieties and farmers right (PPV & FR) act in India" presented at Indo-US Int. Cong. Cum Workshop on IPR at Amity University, Noida, India, 2014.
7. S. S. Gangoliya, R. K. Gupta, and N. K. Singh, "Isolation and Screening of phytase producing fungi and bacteria for commercial interest," Biosangam Int. Conf. MNNIT, Allahabad, India, 2013.
8. R. K. Gupta, S. S. Gangoliya, and N. K. Singh, "Screening and Genetic Characterization of Micronutrients and phytic acid content in Wheat (*Triticum aestivum* L.) Germplasm and cultivars," Biosangam Int. Conf., Allahabad, India, 2013.
9. R. K. Gupta, S. S. Gangoliya, and N. K. Singh, "Isolation and screening of potential phytase producing Fungi," Asian Congress on Biotechnology 2013 Int. Conf., New Delhi, India, 2013.
10. M. Rani, A. K. Yadav, and N. K. Singh, "Development of low phytic acid mutant in Pusa Basmati Rice for nutritional quality improvement," Biosangam Int. Conf., Allahabad, India, 2013.
11. A. K. Yadav, M. Rani, N. K. Singh, "Improvement of rice straw for biofuel production through reverse genetic approach," Biosangam 2013 Int. Conf., Allahabad, India, 2013.

12. M. Sachan, Int. Symposium, Epigenetic regulation of Sox-11 gene expression during mouse development, “Karyotype to Haplotype and Beyond” at Cytogenetics Section, Department of Zoology, Banaras Hindu University, Varanasi, India, 2013.
13. S. Jyoti, S. Shivesh, and N. Seema, “Synthesis of gold nanoparticles and its stable functionalization with different amino acids” at the Nano 4th Int. Conf. from at Aligarh Muslim Univ., Aligarh, India, 2014.
14. R. Rani and A. Juwarkar, “Influence of *Pisum sativum* (L.) Rhizosphere on biodegradation of phorate (an organophosphate insecticide) in soil,” 5th Cong. of Federation of European Microbiological Societies, The congress centre, Leipzig, Gemany, 2013.
15. A. Nair, R. Rani, and A. Juwarkar, “Siderophore: An innovative tool for bioremediation of chromium contaminated soil,” 5th Cong. of Federation of European Microbiological Societies, Leipzig, Gemany, 2013.

VII. Patents

Nil

VIII. Reviewer in International Journals:

Sl. no.	Faculty Name	Journal Name
1.	Anjana Pandey	International Journal of Hydrogen Energy
2.	Anjana Pandey	Beilstein Journal of Nanotechnology
3.	N.K.Singh	JJ microbiology
4.	N.K.Singh	Journal of Basic Microbiology
5.	Manisha Sachan	Austin Journal of Endocrinology & Diabetes
6.	Manisha Sachan	International Wound Journal
7.	Ashutosh Mani	Interdisciplinary Sciences Computational Life Sciences (Springer)
8.	Radha Rani	International Journal of Phytoremediation
9.	Radha Rani	African Journal of Agricultural Research
10.	Radha Rani	Ecology and Chemistry
11.	Radha Rani	Journal of the Institution of Engineers (India)-Series E
12.	Sameer Srivastava	Plos One
13.	Sameer Srivastava	Journal of plant Biochemistry and Biotechnology

IX. Book(s)/Book(s) Chapter(s) Authored:

Sl. No.	Faculty Name (Author/Co-author)	Book	Book Chapter	Publisher
1.	Archana Tiwari Anjana Pandey	--	Algal Biofuels. Natural and Artificial Photosynthesis	Wiley's Publication, 243-261, 2013 (ISBN: 978-1-118-16006-0)
2.	Shivesh Sharma	Plant Microbe Symbiosis	Plant Microbe Symbiosis: Perspectives and Applications.	Springer. 2013. XIV, 435 p.
3.	K. P. Shukla, S. Sharma, N. K. Singh, S. Bist, V. Kumar	Agricultural and Biological Sciences Applied Bioremediation-Active and Passive Approaches	Rhizoremediation: A Promising Rhizosphere Technology	InTech Publications. ISBN 978-953-51-1200-6. (2013)
4.	N. K. Singh	Nutritional and Health Impact of Cereal Phytate		LAP LAMBERT Academic Publishing
5.	Vishnu Agarwal, Himanshu Pandey	Advances in Biotechnology: A Practical Approach	Polymeric Nano-particles: A Novel Carrier For Drug Delivery, pp.33-46.	Nova publishers, New York
6.	Vishnu Agarwal, Manisha Sachan, Parul Sirohi	Recent Progress in medicinal plants	Herbal product based remedies against microbial infections and resistance	Studium Press LLC, USA
7.	M. Pamnani M. Sachan	DNA methylation during development in mammals		Lambert Academic Publishing Germany
8.	P. Sinha, S. Nara , M. Sachan	Horizons in Cancer Research vol. 53, pp. 169-190.	Epigenetic regulation of cancer	Nova Science Publishers, New York
9.	Seema Nara	Horizons in Cancer Research	Epigenetic regulation of cancer	Nova Publishing house
10.	A. A. Juwarkar, R. Rani, S. K. Singh (2006)	Environmental Biotechnology (C.S.K. Mishra, A.A. Juwarkar, eds).	Rhizoremediation: An emerging tool in management of Pollutants:	APH Publication Co. New Delhi, India, pp. 19-54. ISBN: 9788131301852
11.	R. Rani, A. Juwarkar (2013)	"Recent advances towards improved phytoremediation of heavy metal pollution". editor: David W. M. Leung	Interactions between plant growth promoting microbes and plants: Implications for microbeassisted phytoremediation of metal contaminated	Bentham, USA, pp 3-39. ISBN: 978-1-60805-665-1.

			soil	
12.	S. Sharma, A.Pandey, N. K. Singh, S.N. Bora, V. Agarwal, M. Sachan, S. Nara, A. Mani, R. Rani, A. K. Rai, S. Kumar, S. Srivastava	Edited reference book: Proc. of Int. Conf. on Health, Env. and Industrial Biotechnology, ICHEIB (BioSangam 2013)		TATA McGraw Hill Education (India) Private Limited ISBN (13): 978-9-33- 290137-7
13.	S. Sharma, A.Pandey, N. K. Singh, S. N. Bora, V. Agarwal, M.Sachan, S. Nara, A. Mani, R. Rani, A. K. Rai, S. Kumar, S. Srivastava	Souvenir of Int. Conf. on Health, Environment and Industrial Biotechnology		Excellent Publishing House, New Delhi ISBN: 978-93-83083- 41-1

X. Conference/Workshop/Short Term Course Organized by department:

Sl. No.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month & Year
1.	Self Financed Short Term Course on 'Frontiers in Biotechnology'	Convenor: Dr. Shivesh Sharma, Co-ordinator: Dr. Anjana Pandey, Dr. Nand Kumar Singh, Dr. Sangeeta Negi, Dr. Vishnu Agarwal, Dr. Manisha Sachan, Dr. Seema Nara, Dr. Ashutosh Mani, Dr. Radha Rani, Dr. Sanjay Kumar, Dr. Sameer Srivastava, Dr. Vachan Singh Meena, Dr. Sunil Kumar Singh	May 28- June 01, 2013
2.	Self Financed Short Term Course on 'Human Health and Environmental Sustainability'	Convenor: Dr. Shivesh Sharma, Co-ordinator, Dr. Anjana Pandey, Dr. Nand Kumar Singh, Dr. Sangeeta Negi, Dr. Vishnu Agarwal, Dr. Manisha Sachan, Dr. Seema Nara, Dr. Ashutosh Mani, Dr. Radha Rani, Dr. Sanjay Kumar, Dr. Sameer Srivastava, Dr. Vachan Singh Meena, Dr. Sunil Kumar Singh	June 04-08, 2013
3.	International Conference on Health, Environment and Industrial Biotechnology (BioSangam 2013)	Convenor: Dr. Shivesh Sharma, Co-ordinator: Dr. Anjana Pandey, Dr. Nand Kumar Singh, Dr. Sangeeta Negi, Dr. Vishnu Agarwal, Dr. Manisha Sachan, Dr. Seema Nara, Dr. Ashutosh Mani, Dr. Radha Rani, Dr. Sanjay Kumar, Dr. Sameer Srivastava, Dr. Vachan Singh Meena	Nov. 21-23, 2013

XI. Invited Lectures Delivered:

1. A lecture delivered by Dr. Anjana Pandey in short term training course on the topic “Soft strategies for the scalable synthesis of nanomaterials, Synthesis and applications of Fluorescent Nanomaterials,” during May 27-31, 2013 at Chemistry department, MNNIT Allahabad.
2. A lecture delivered by Dr. Manisha Sachan in Workshop on ‘Techniques used for Chromatin Conformation’ on the topic “Advanced Tools for Detecting Global and Site-Specific Methylation” during Dec. 11-13, 2013 at Center for Genetic Disorder, Banaras Hindu University, Varanasi.
3. A lecture delivered by Dr. Sanjay Kumar in Short term training course on ‘Frontiers in Biotechnology’ on the topic “Strategies Used in Process Parameters Optimization for Biofuel Bioprocess Development,” during May 28 to June 1, 2013 at MNNIT Allahabad.
4. A lecture delivered by Dr. Sanjay Kumar in Short term training course on ‘Human Health and Environmental Sustainability’ on the topic “Applications of Enzyme Engineering and Purification Strategies on Industrially Important Enzymes,” during June 4-8, 2013, MNNIT Allahabad.
5. A lecture delivered by Dr. Sameer Srivastava in Short term training course on ‘Frontiers in Biotechnology’ on the topic “Plant Tissue Culture and its Applications,” during June 4-8, 2013, at MNNIT Allahabad.
6. A lecture delivered by Dr. Sameer Srivastava in Short term training course on ‘Human Health and Environmental Sustainability’ on the topic “Targeted Genome Sequencing and its Application,” during June 4-8, 2013, at MNNIT Allahabad.

XII. Invited Lectures Organized:

1. Dr. Anjana Pandey organised a lecture on “100 Years of Bohr’s Atomic Model” by Prof. H. C. Verma on Aug. 03, 2013 at Institute Seminar Hall, MNNIT, Allahabad.
2. A lecture delivered by Prof. Bernard Paul, Professeur de Biologie végétale, Université de Bourgogne, Institut Jules Guyot, DIJON on Mar. 04, 2014 on the topic “New Horizons in Biotechnology”.
3. Dr. Shivesh Sharma organized a lecture on the topic “From Enzymes to Microbial Diversity: The Success Stories” on Dec. 31, 2014 at Biotechnology’s Seminar Hall and speaker was Dr. P. Shukla, Head, Department of Microbiology, MDU, Rohtak.

- Dr. Shivesh Sharma organized a lecture on the topic “Biosensors” on Sept. 30, 2014 at Biotechnology’s Seminar Hall and speaker was Dr. Ashutosh Tiwari, IFM-Linköpings universitet, LINKÖPING, Sweden.

XIII. Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme

- Faculty as chairman/chair/co chair/coordinator organized short term course/workshop entitled on date.

Sl. No.	Seminar/Conferences	Coordinator	Month & Year
1	Short-Term Courses Frontiers in Biotechnology	Convenor: Dr. Shivesh Sharma, Co-ordinator: Dr. Anjana Pandey, Dr. Nand Kumar Singh, Dr. Sangeeta Negi, Dr. Vishnu Agarwal, Dr. Manisha Sachan, Dr. Seema Nara, Dr. Ashutosh Mani, Dr. Radha Rani, Dr. Sanjay Kumar, Dr. Sameer Srivastava, Dr. Vachan Singh Meena, Dr. Sunil Kumar Singh	May 28- June 01, 2013.
2	Short-Term Courses Human Health and Environmental Sustainability	Convenor: Dr. Shivesh Sharma, Co-ordinator, Dr. Anjana Pandey, Dr. Nand Kumar Singh, Dr. Sangeeta Negi, Dr. Vishnu Agarwal, Dr. Manisha Sachan, Dr. Seema Nara, Dr. Ashutosh Mani, Dr. Radha Rani, Dr. Sanjay Kumar, Dr. Sameer Srivastava, Dr. Vachan Singh Meena, Dr. Sunil Kumar Singh	June 04-08, 2013

XIV. Conferences/Workshops/Short-Term Courses/Training Programme Attended

- Dr. Anjana Pandey attended a Sensitization workshop on IPR, on Feb. 6-7, 2014.
- Dr. Anjana Pandey attended a Training workshop on Comsol software, on Jan. 08, 2014.
- Dr. Anjana Pandey attended a workshop on the topic “Scientific contributions of Acharya Jagdish Chandra Bose and Acharya Prafulla Chandra Ray,” on Dec. 23-24, 2013.
- Dr. Anjana Pandey attended “5th Congress of European Microbiologists (FEMS),” at Leipzig, Germany, on July 21-25, 2013.
- Dr. Radha Rani attended “5th Congress of Federation of European Microbiological Societies,” at Congress Centre, Leipzig, Germany, on July 21-15, 2013.

XV. Research Projects Ongoing/Completed

Sl. no	Principal Investigator/Co-investigator(s)	Project Title	Funding Agency	Amount (INR in Lakhs)	Duration (Status)
1.	Dr. Anjana Pandey	Mission Mode project on Hydrogen Production through biological routes	MNRE, New Delhi	45.50	Dec.16 2009- Dec.16, 2014
2.	Dr. Anjana Pandey/ Dr. Ashutosh Pandey	Integrated bio-hydrogen production from renewable biomass and biological wastes using microbial strains	DBT, New Delhi	48.09	Mar.28, 2014- Mar.28, 2017
3.	Dr. Shivesh Sharma (PI) Dr. Seema Nara (Co-PI)	Microbial profiling in Gangetic river system and development of a gold nanoparticle based multiplex lateral flow immunoassay for bacterial detection	University Grants Commission		Three Years Completed
4.	Dr. Shivesh Sharma (PI) Dr Radha Rani (Co-PI)	Bio-restoration technology based on the management of plant microbe soil interactions for the restoration of degraded ecosystems	Department of Biotech. (DBT)		One Year Completed
5.	Dr. Shivesh Sharma (PI) DR. NK Singh (CO-PI)	Harnessing PGPRs from Indo Gangetic Plain Region of Uttar Pradesh for Growth Promotion and Disease Suppression in Rice and Pigeonpea	Department of Biotech. (DBT)		Three Years Ongoing
6.	Dr. N.K.Singh	Functionalization of wheat grains for enhancement of bioavailable micronutrients through reduction of phytic acid food inhibitor	Department of Science and Tech., New Delhi	19.50	Dec. 2011 (3 years)
7.	Dr Vishnu Agarwal	Development of Eucalyptus globules oil containing bioadhesive polymeric nanoparticles and estimation of its cytotoxicity potential and assay against biofilms	Department of Science and Tech., New Delhi	20.78	3 Years
8.	Dr. Vishnu Agarwal, Dr. Seema Nara, Dr. S. K. Mishra	Study of antibody and human morphonuclear neutrophils (PMN) mediated phagocytosis of PNAG positive Staphylococcus epidermidis biofilms and estimation of Caspase-3-like Protease (CLP) production	Department of Biotech. (DBT)	27.07	3 Years
9.	Dr. Manisha Sachan, (PI)	Role of DNA methylation in setting up the chromatin organization of developmentally important	Department of Biotech., Government of India	18.75	2010-2013

		genes in mammals.			
10.	Dr. Seema Nara (Co-PI)	Study of antibody and human morphonuclear neutrophils (PMN) mediated phagocytosis of PNAG positive Staphylococcus epidermidis biofilms and estimation of Caspase-3-like Protease (CLP) production.	Department of Biotech., Government of India	23.80	May 2013 to May 2016
11.	Dr. Radha Rani (Co-PI)	Bio-restoration Technology based on the Management of Plant Microbe Soil interactions for Restoration of Degraded Ecosystems (as Co-PI)	Department of Biotech. (DBT)	10.00	Sept 2013
12.	Dr. Sameer Srivastava (PI) and Dr. A. K. Rai (Co-PI)	Characterization of Epigenetically Deregulated Genes in Colorectal Adenomas/ Carcinomas Using Next Generation Sequencing Technologies For Development of Novel Biomarkers (recommended 2014-2017).	Department of Biotech., Government of India	24.98	3 years
13.	Dr. Ambak K. Rai (PI) Dr. Sameer Srivastava (Co-PI)	Study to investigate the therapeutic efficacy of CD5 blocking in treatment of T cell lymphoblastic leukemia (Recommended) 2014-2017	Department of Biotech., Government of India	28.15	3 years
14.	Dr. Ambak K Rai	Study of arachidonic acid pathway in human visceral leishmaniasis: therapeutic efficacy of α -linoleic acid as a dietary supplement with sodium antimony.	Department of Science and Tech., New Delhi	20.50	3 years

XVI. Other Relevant Information to be incorporated in Annual Report:

- 1st Memorandum of Understanding (MoU) established between Dr. Ambak Kumar Rai and Dr. Anuradha Dube (Chief Scientist, Leishmania Laboratory, Division of Parasitology, Central Drug Research Institute, Lucknow) to collaborate to work on “Studies to investigate the modulation of inflammatory cytokine(s) mediated effector responses in visceral leishmaniasis”
- 2nd Memorandum of Understanding (MoU) established between Dr. Ambak Kumar Rai, Dr. Anuradha Dube (Chief Scientist, Leishmania Laboratory, Division of Parasitology, Central Drug Research Institute, Lucknow) and Prof. Amit Kumar Dinda (Department of Pathology, All India Institute of Medical Sciences, New Delhi) to collaborate to work on “Studies to investigate the modulation of inflammatory cytokine(s) mediated effector responses in visceral leishmaniasis”

10.3 DEPARTMENT OF CIVIL ENGINEERING

I. a) Vision:

To provide quality teaching with a strong concepts of engineering and technology and an application-oriented U.G., P.G. and Doctoral education along with solid foundation in the rapidly expanding fields of Civil Engineering that enable them to produce high quality professionals. This includes trans-disciplinary teaching and research. Also provide students with a sound knowledge and understanding of current theories, concepts and laboratory practices in Civil Engineering.

b) Mission:

To generate high quality engineering professionals by offering U.G., P.G. and Doctoral programmes in Civil Engineering.

Develop a premier Civil Engineering teaching and research department to cater the needs and challenges of the region and the country.

II. a) Courses Run by Department

- i. B.Tech in Civil Engineering
- ii. M.Tech in Civil Engineering (Structural Engineering)
- iii. M.Tech in Civil Engineering (Geotechnical Engineering)
- iv. M.Tech in Civil Engineering (Environmental Engineering)
- v. M.Tech in Civil Engineering (Environmental Geotechnology)

b) Courses in which students were admitted in 2013-2014

- i. B.Tech course in Civil Engineering
- ii. M.Tech course in Civil Engineering (Structural Engineering)
- iii. M.Tech course in Civil Engineering (Geotechnical Engineering)
- iv. M.Tech course in Civil Engineering (Environmental Engineering)

III. List of Ph. D Thesis Completed:

Sl. No.	Name of Student (Reg. no.)	Thesis title	Supervisor(s)
1	S.Tabin Rushad (2007RCE03)	Retrofitting, Repairing & Strengthening of RCC Slabs & Beams	Prof.S.K.Duggal Prof.K.K.Shukla (AMD)
2.	Yeetendra Kumar (2008RCE02)	Characterization of Soils using Soft Computing Methods	Dr. Kumar Venkatesh

IV. List of M. Tech Thesis Completed:

Sl. No	Name of Student (Reg. No.)	Thesis Title	Supervisor(s)
1.	Shlok Singh 2011GE04	Behaviour of Shallow Foundation on Reinforced Soil	Dr. K. Venkatesh
2.	Saurabh Kumar 2011GE03	Analyzing and Mitigating Liquefaction Hazard	Dr. K. Venkatesh Prof. R.P. Tiwari
3.	Shubham Srivastava 2011GE01	Soil Contamination Management	Prof. R.K. Srivastava
4.	Sneha Gupta 2011GE06	Electrokinetic Remediation of Contaminated Soil	Prof. R.P. Tiwari Prof. R.P. Singh
5.	Nabeel M.	Failure Analysis and Structural Assessment of Steel Lattice Telecommunication Tower	Prof. S.K.Duggal
6.	Hemant Singh Parihar	Structural Modeling for Fatigue Analysis Using PZT Patches	Prof. A. K. Sachan Dr. Rama Shanker
7.	Shipra	Damage control in Structures Using Piezoelectric Actuators	Dr. Rama Shanker
8.	Mohit Kr. Sharma	Performance Based Design of Infilled Frame Structure	Dr. Goutam Ghosh
9.	Prashant Kumar	Comparison of Different Mixed Design Methods of Self Compacting Concrete.	Er. Y.K. Gupta Dr. Rakesh Kumar
10.	Pravin Kr. Gupta	Effect of Acidic Environment on Self Compacting Concrete.	Dr. Rakesh Kumar Er.Y.K.Gupta
11.	Dhirendra Kr. Pandey	A Parametric Study on FEM with Varying Elements in Plate Structures.	Dr. Priyaranjan Pal
12.	Sharad Kushvaha	Optimum concrete mix design for self-compacting concrete	Dr. L.K. Mishra
13.	Devansh Gulati	Optimization of industrial structure for industrial zone planning under water resource uncertainty	Dr. Raj mohan singh
14.	Ankija Agarwal	Development of Decision Support System For Sanitation & Hygiene for the Slum Areas of Allahabad City	Dr. R.C.Vaishya
15.	Amit Kr. Kureel	Removal of Fluoride from Different Media Through Column Studies	Dr. R.C.Vaishya
16.	Amit Kr. Pankaj	Assessment of Groundwater Water Quality around Landfill Site in Allahabad	Dr. R.C.Vaishya
17.	Bhoopendra Singh	Benchmarking of Allahabad Water Supply Services	Dr. R.C.Vaishya
18.	Ekta Panjawani	Studies on Treatment of Leachate from Baswar landfill Site	Dr. R.C.Vaishya Dr. N.R. Rawal
19.	Mohd. Faisal	Comprehensive Environmental Assessment of Ludhiana Industrial Site	Dr. R.C.Vaishya
20.	Komal Jayaswal	Water quality assessment using conventional and soft computing methods	Dr. R. M. Singh Dr. Nekram rawal
21.	Parul Dua	Urban Water Management at Allahabad City	Dr. Nekram rawal

22.	Rohit Kr. Sahu	Municipal Solid Waste Management Using GIS	Dr. Nekram Rawal Dr. Varun Singh
23.	Javed Hasan Khan	Enhancement of Coagulation Process for the Treatment of Water	Dr. Nekram Rawal
24.	Avanish Kr. Mishra	Selection of suitable solid waste landfill site in Allahabad city: An application of AHP process	Dr. Nekram Rawal Prof. R.p.Tiwari
25.	Kamlesh Kumar	Long Term Rainfall Analysis and Water Resources of Betwa Basin.	Dr.H.K.Pandey
26.	Ajit Jamatia	Geoenvironmental Problem in Silica Sand Mines of Shankargarh Area of Allahabad District (U.P.)	Prof. R.P.Singh Dr.H.K.Pandey
27.	Seema Kumari	Studies on removal of acidic and basic dyes by Carica Papaya, Ficus benghalensis and Hibiscus rosasinensis	Dr. R.P. Singh
28.	Meetika Gupta	Biosorption of Ni(II) on to immobilized yeast cell and rice husk	Dr. R.P. Singh
29.	Rishi Kr. Verma	Photo catalytic degradation of Azodye under visible light	Dr. R.P. Singh
30.	Suhail Taiyyeb	Studies on use of waste materials in construction of flexible pavement.	Dr. R.P. Singh
31.	Kiran Shah	Optimization of IC Engine Performance and Exhaust Emission using Response Surface Methodology	Dr. D. Basu
32.	Shailendra Chaudhary	Evaluation and Selection of Sewage Treatment Unit: A MCDM Approach	Dr. D. Basu
33.	Swati Shukla	Assessment of Seasonal and Temporal Variation in the Concentration of Aerosols in Fugitive Emissions from a Coke Oven Plant	Dr. D. Basu
34.	Anil Kumar	Geo Environmental Problems in Silica Sand Mines of Shankargarh Area of Allahabad District	Dr. D. Basu Dr. H K Pandey

V. Publication in Journals *International*:

1. S. Burman, K. Pallav, and K. D. Singh, "Finite Element modelling of 'Rang Ghar' monument, Assam," *Int. J. of Innovative Research in Science, Engineering and Technology*, vol. 3, 2014. (Impact Factor: 1.682).
2. V. Kumar, K. Venkatesh, and R. P. Tiwari, "A Neuro fuzzy Technique to Predict Seismic Liquefaction Potential of Soil" in an *Int. Journ. Neural Network World*, vol. 03, pp. 249-266, 2014. (Impact Factor: 0.4).
3. K. Venkatesh, V. Kumar, and R. P. Tiwari, "Appraisal of Liquefaction Potential is using Neural Network and Neuro Fuzzy Approach" in *Applied Artificial Intelligence* (Taylor & Francis Group), vol. 27, pp. 700-720, 2013. (Impact Factor: 0.48).
4. V. Srivastava, R. Kumar, and P. K. Mehta, "Concrete Made With Waste Materials-A Review," *J. Environmental Nanotechnology*, vol. 2, pp. 102-106, 2013. (Impact factor: not available).

5. V. Srivastava, Md. Monish, V. C. Agrawal, and P. K. Mehta, "Demolition Waste as Cement Replacement in Concrete," *J. Environmental Nanotechnology*, vol. 2, pp. 16-19, 2013. (Impact factor: not available).
6. V. Srivastava, P. K. Mehta, and S. Nath, "Natural Fibre in Cement and Concrete Matrices- A Review," *Journ. of Environmental Nanotechnology*, vol. 2, pp. 62-65, 2013. (Impact factor: not available).
7. V. Srivastava, A. Harison, P. K. Mehta, Atul and R. Kumar, "Effect of Silica Fume in Concrete," *Int. Journ. of Innovative Research in Science, Engineering and Technology*, vol. 3, pp. 254-259, 2014. (Impact factor: not available).
8. J. K. Ahmed, V. C. Agarwal, P. Pal, and V. Srivastav, "Static and Dynamic Analysis of Composite Laminated Plate" *Int. Journ. of Innovative Technology and Exploring Engineering*, vol. 3, pp. 56-60, 2013. (Impact factor: not available).
9. G. Srivastava, R. K. Srivastava, and R. C. Vaishya, "Web GIS Based Child Education Analysis for Sustainable Growth of Bundelkhand Zone of State of Uttar Pradesh, India" *Int. Journ. of Technology Enhancements and Emerging Engineering Research*, vol.1, 2013. (Impact factor: not available).
10. D. Srivastava and R. M. Singh, "Breakthrough Curves Characterization and Identification of Unknown Pollution Source in Groundwater System Using ANN" *Environmental Forensics* (Taylor& Francis), vol. 15, pp. 175-189, 2014. (Impact factor: 0.732).
11. N. R. Husein, V. C. Agarwal, and A. Rawat "An Experimental Study on Using Lightweight Web Sandwich Panel as a Floor and a Wall" *Int. Journ. of Innovative Technology and Exploring Engineering*, vol. 3, 2013. (Impact factor: not available).
12. M. Pandey, V. Singh, R.C. Vaishya, and A.K Shukla, "Analysis & Application of GIS Based Air Quality Monitoring- State of Art," *Int. Journ. of Engineering Research & Technology*, vol. 2, pp. 3788-3796, 2013. (Impact factor: not available).

VI. Publication in Journal National:

1. S. Singh, A. B. Samaddar, R. K. Srivastava, and H. K. Pandey, "Ground Water Recharge in Urban Areas–Experience of Rain Water Harvesting," *Jour. Geological Society of India*, vol. 83, pp. 295-302, 2014.

2. P. Dubey, M. M. Singh, and H. K. Pandey, "Aquifer Parameterization in an Alluvial Area: Varanasi District, Uttar Pradesh, India-A Case Study," *Int. J. of Innovative Research in Science, Engineering and Technology*, vol.3, no.1. pp. 9015-9033, 2014.

VII. Publication in Conferences:

For Published Conference Proceedings

1. S. Gandhi, S. and R. P. Singh, "Hydraulic Jump Characteristics in Non-Prismatic Channels," in *Proc. 5th Int. Symp. Hydr. Struct.*, Brisbane, Australia, 2014, pp. 678-686.
2. R. P. Singh, "Disasters induced by Water Pollution," in *Proc. Of Workshop on Disasters and Their Management-2014*, MNNIT Allahabad, India, 2014, pp. 157-175.
3. A. Harison, V. Srivastava, and P. K. Mehta, "Utility and Design of Pre Engineered Structures," *Seminar on State-of-the-Art Building Technology, Organised by Indian Building Congress*, Patna, India, vol. 20, no. 2, 2013, pp. 93-96.
4. V. Srivastava, P. K. Mehta, A. Harison, Md. Monish, and R. Kumar, "Demolition Waste as Aggregate in Concrete," *Nat. Conf. on Recent Advances in Civil Engineering*, Department of Civil Engineering, NERIST, Nirjuli, Arunachal Pradesh, India, 2013, pp. 46.
5. V. Srivastava, Neha, P. K. Mehta, A. Harison, and V.C. Agrawal, "Demolition Waste in Cement Matrix," *Nat. Conf. on Recent Advances in Civil Engineering*, Department of Civil Engineering, NERIST, Nirjuli, Arunachal Pradesh, India, 2013, p. 47.
6. V. Srivastava, A. Harison, P. K. Mehta, Atul, and R. Kumar, "Effect of Silica Fume in Concrete," *Nat. Conf. on Recent Advances in Civil Engineering*, Department of Civil Engineering, NERIST, Nirjuli, Arunachal Pradesh, India, 2013, pp. 47-48.
7. N. K. Samadhiya, K. Venkatesh, and A. D. Pandey, "Behaviour of Barrage Foundation Due to Presence of Rock Including Soil-Structure Interaction," *Proc. of Workshop TC: 207 Soil Structure Interaction and Retaining Walls, during 18th Int. Conf. on Soil Mechanics and Geotechnical Engineering*, Paris, France, 2013, pp. 241-246.
8. A. K. Verma and A. Rawat "Strength behavior of PPC concrete with different level of fly ash" *Nat. Conf. on Recent Advancements and Innovations in Civil Engineering 2014*, TIT (Excellence), Bhopal, India.
9. M. Bandyopadhyay, M.P. Singh, and V. Singh, "Formalization and development of logic based Emergency Response Systems using Situation Calculus", *Proc. IEEE Int. Conf. on Machine Intelligence Research and Advancement*, Jammu, 2013, pp. 504-508.

Papers Presented at Conferences:

1. V. Kumar, "Application of Cement Kiln Dust to Stabilize Meja Soil" presented at 2014 2nd Int. Conf. on Architecture and Civil Engineering 2014, Singapore, 2014.
2. R. P. Singh, "Simulation Studies on Inorganic and Organic Contaminants Transport in Sanitary Landfills," 7th Int. Conf. on Case Histories in Geotechnical Engineering, Held at Chicago U.S.A., 2013.

VIII. Patents:*Nil***IX. Reviewer in International Journals:**

Sl. No.	Faculty Name	Journal Name
1.	Ram Pal Singh	Associate EDITOR of International Journal of Membrane and Separation Technology
2.	Ram Pal Singh	Reviewer of ASCE Journal of Environmental Engineering
3.	Ram Pal Singh	Reviewer of ASCE Journal of Hazardous, Toxic and Radioactive Wastes Management
4.	Shalinee Shukla	Energy Sources, Part B: Economics, Planning and Policy, Taylor & Francis
5.	P. R. Pal	Journal of Sound and Vibration, Elsevier
6.	P. R. Pal	Journal of Ocean Engineering, Elsevier
7.	R.K. Srivastava	i. Land contamination and reclamation-EPP Publication Ltd. London, U.K. ii. Management of Environmental Quality-Emerald Group Publishing Ltd., U.K. iii. African Journal of Microbiology Research iv. International Journal of Hazardous Materials.

X. Book(s)/Book(s) Chapter(s) Authored

Sl. No.	Faculty Name (Author/Co-author)	Book	Book Chapter	Publisher
1.	S. K. Duggal, H. K. Pandey, N. R. Rawal	Engineering Geology (2014)	Full book	Mc Graw Hill Education
2.	Sumit Gandhi, R. P. Singh	Studies on Hydraulic Jump in Prismatic and Non-Prismatic Channels	Full book	LAP Lambert Academic Publishing 2011, ISBN 978-3-8465-1447-4, Paperback, 284 Seiten.
3.	H.K.Pandey	Engineering Geology	-	Mc Graw Hill

XI. Conference/Workshop/Short Term Course Organized by department

Sl. No.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month & Year
1.	Short Term Course on Limit State Design of Steel Structures LSDSS-2013	Prof. S. K. Duggal, Coordinator	Oct. 7-21, 2013
2.	Short Term Course on Modern Construction Materials and Practices	Prof. P. K. Mehta, Coordinator Dr. Rakesh Kumar, Coordinator	July, 2013
3.	Training Workshop on Pedagogy	Dr. R. K. Srivastava	July 6-7, 2013
4.	Short Term Course on Geotechnical Investigations for Urban Planning and Development-2013	Prof. R. P. Tiwari, Chairman Dr. R. K. Srivastava, Convener Dr. Kumar Venkatesh, Coordinator	Dec. 16-20, 2013
5.	Two days workshop on Scientific Contributions of Acharya Jagdish Chandra Bose & Acharya Prafulla Chandra Ray	Dr. R. K. Srivastava	Dec. 23-24, 2013

XII. Invited Lectures Delivered:

1. A lecture delivered by Prof. Ram Pal Singh, on “Environmental pollution-Impacts on Human, Agriculture, Forestry and Life Sciences,” on Oct. 29, 2013 at SHIATS, Allahabad.
2. A lecture delivered by Prof. Ram Pal Singh, on “Electro-kinetic Remediation of Cadmium contaminated Soils” on Mar. 26, 2014 at Brain storming Session at IIT Bombay, Mumbai.
3. A lecture delivered by Dr. Shaline Shukla on “Soil investigations for urban roads and use of Geo-textiles in road construction” in Short term course on “Geotechnical Investigations for Urban Planning And Development,” Dec. 16-20, 2013, at MNNIT Allahabad
4. A lecture delivered by Prof. P. K. Mehta on “Evolution of Bridge Types,” Workshop on “Modern Practices in Civil Engineering,” on May 03, 2013 at Deptt. of Civil Engineering, SSET, SHIATS-DU, Allahabad.
5. A lecture delivered by Prof. P. K. Mehta on “Polymer Concrete,” Short Term Course on “Modern Construction Materials and Practices,” July 17-21, 2013, at Deptt. of Civil Engineering, MNNIT, Allahabad.
6. A lecture delivered by Prof. P. K. Mehta on “Concrete Mix Design-Lab,” Short Term Course on “Modern Construction Materials and Practices,” July 17-21, 2013, at Deptt. of Civil Engineering, MNNIT, Allahabad.

7. A lecture delivered by Dr. Kumar Venkatesh on “Testing of Soil under Dynamic Load” in the Short term course on “Geotechnical Investigations For Urban Planning and Development,” Dec. 16-20, 2013, at MNNIT Allahabad.
8. A lecture delivered by Prof. R.K. Srivastava on “Contaminated Land Investigation” in the Short term course on “Geotechnical Investigations for Urban Planning And Development,” Dec. 16-20, 2013, at MNNIT Allahabad.
9. A lecture delivered by Er. V. P. Singh on “Geophysical Methods” in the Short term course on “Geotechnical Investigations for Urban Planning and Development,” Dec. 16-20, 2013, at MNNIT Allahabad.
10. A lecture delivered by Prof. R. P. Tiwari on “Classification of Rocks and Rock Masses” in the Short term course on “Geotechnical Investigations For Urban Planning and Development,” Dec. 16-20, 2013, at MNNIT Allahabad.
11. A lecture delivered by Dr. H. K. Pandey on “Surface and Sub-Surface Geological Investigation for Safe Foundation” in the Short term course on “Geotechnical Investigations for Urban Planning and Development,” Dec.16-20, 2013, at MNNIT Allahabad.
12. A lecture delivered by Dr. Varun Singh on “Application of GIS in Geotechnical Investigation for Urban Areas” in the Short term course on “Geotechnical Investigations for Urban Planning and Development,” Dec. 16-20, 2013, at MNNIT Allahabad.
13. Two lectures delivered by Dr. H. K. Pandey on “Concept of Artificial Recharge and different Techniques” during Sept. 2013 at Academic Staff College, BHU, Varanasi.
14. A lecture delivered by Dr. Rakesh Kumar on the topic ‘Self Compacting Concrete’ in One Week Self Financed Short Term Course on “Modern Construction Materials and Practices,” July 19, 2013, at Deptt. of Civil Engineering, MNNIT, Allahabad.
15. Dr. Rakesh Kumar did the Laboratory Demonstration on July 20, 2013, at Deptt. of Civil Engineering, MNNIT, Allahabad on ‘Self Compacting Concrete’ in One Week Self Financed Short Term Course on “Modern Construction Materials and Practices”.
16. Dr. Rakesh Kumar engaged Tutorial Class on “Bolted Connections” on Oct. 18, 2013 in one week self financed short term course at Deptt. of Civil Engineering, MNNIT, Allahabad.
17. Dr. Rakesh Kumar did the Laboratory Demonstration on “Testing of steel specimens” on Oct. 19, 2013, in One Week Self Financed Short Term Course at Deptt. of Civil Engineering, MNNIT, Allahabad.

18. A lecture delivered by Dr. Varun Singh on “Application of GIS in Geotechnical Investigation for Urban Areas” in ‘Geotechnical Investigations for Urban Planning and Development’ on Dec. 19, 2013, at Deptt. of Civil Engineering, MNNIT Allahabad.
19. A lecture delivered by Dr. Varun Singh on “Application of Geographic Information Systems with Environmental Perspective Training Programme” on ‘Rural Sanitation Technology and Wastewater Management’ on Feb. 25, 2014, at Deptt. of Civil Engineering, MNNIT Allahabad.

XIII. Invited Lectures Organized:

1. A lecture delivered by Prof. Friedemann Wenzel, Karlsruhe Institute of Technology, Germany, on “Global Trend on Earthquake Loss,” on Mar. 4, 2014, at MNNIT Allahabad.
2. A lecture delivered by Prof S. Mukerjee, Indian Institute of Technology Roorkee, on “Effect Of Confining Pressure And Strain Amplitude On Dynamic Shear Modulus of Soils,” during Short Term Course on GIUPD-2013, at MNNIT Allahabad.
3. A lecture delivered by Dr. S.M. Ali Jawaid, MMM University of Technology, Gorakhpur, on “Sub-Surface Exploration & Sampling Techniques” during Short Term Course on GIUPD-2013, Dec. 18, 2013, at MNNIT Allahabad.
4. A lecture delivered by Dr. A.K. Singh, National Institute of Technology Jamshedpur, on “Sub-Surface Exploration & Sampling Techniques” during Short Term Course on GIUPD-2013, Dec. 20, 2013 at MNNIT Allahabad.
5. A lecture delivered by Dr. P. S. Prasad, Sr. Scientist, CRRI, New Delhi, on “Geotechnical Software” during Short Term Course on GIUPD-2013, Dec. 19, 2013, at MNNIT Allahabad.

XIV. Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme:

1. Dr. Kumar Venkatesh as Coordinator of short term course entitled Geotechnical Investigations and Urban Planning and Development held from Dec. 16-20, 2013, Deptt. of Civil Engineering, MNNIT, Allahabad.
2. Er. Vijay Kumar as Co-coordinator of short term course entitled Geotechnical Investigations and Urban Planning and Development held from Dec. 16-20, 2013, Deptt. of Civil Engineering, MNNIT, Allahabad.
3. Er. V. P. Singh as Co-coordinator of short term course entitled Geotechnical Investigations and Urban Planning and Development held from Dec. 16-20, 2013, Deptt. of Civil Engineering, MNNIT, Allahabad.

4. Prof. P. K. Mehta as Coordinator, Short Term Course on “Modern Construction Materials and Practices,” July 17-21, 2013, Deptt. of Civil Engineering, MNNIT, Allahabad.
5. Prof. R. K. Srivastava as Convener of short term course entitled Geotechnical Investigations and Urban Planning and Development held from Dec. 16-20, 2013, Deptt. of Civil Engineering, MNNIT, Allahabad.
6. Prof. R. P. Tiwari as Chairman of short term course entitled Geotechnical Investigations and Urban Planning and Development held from Dec. 16-20, 2013, Deptt. of Civil Engineering, MNNIT, Allahabad.
7. Dr. Rakesh Kumar, Coordinator, One Week Self Financed Short Term Course on “Modern Construction Materials and Practices,” July 17-21, 2013.
8. Dr. Rakesh Kumar, Co-Convenor, One Week Self Financed Short Term Course on “Limit State Design of Steel Structures,” Oct. 17-21, 2013.

XV. Conferences/Workshops/Short-Term Courses/Training Programme Attended

1. Dr. Kumar Pallav attended First Session on National Platform on Disaster Risk Reduction, at Vigyan Bhawan, New Delhi, India, during May 13-14, 2013.
2. Dr. D. Basu attended Short term course on MATLAB and SIMULINK for Engineering Applications at Deptt. of Electrical Engineering, Indian School of Mines Dhanbad, India, during June 24-29, 2013,.
3. Dr. Kumar Venkatesh, Er. Vijay Kumar, Er. V.P. Singh, Dr. P.R. Pal, Er. Anupam Rawat, Dr. Kumar Pallav, Dr. G. Ghosh attended Training Workshop in Pedagogy under TEQIP-II at MNNIT Allahabad, India, during July 6-7, 2013.
4. Er. Anupam Rawat attended National conference on Prefabrication Technology in Civil Engineering at Institution of Engineers (India), Lucknow, India, July 2013.
5. Dr. Kumar Venkatesh, Er. Vijay Kumar, Er. V.P. Singh, Dr. P.R. Pal, Er. Anupam Rawat, and Dr. Kumar Pallav attended Short Term Course on Modern Construction Materials and Practices, organized by Civil Engineering Deptt., at MNNIT Allahabad, India, during July 17-21, 2013.
6. Er. Vijay Kumar and Er. Anupam Rawat attended workshop on Advances in Water Proofing Materials and Techniques at National Institute of Technical Teachers’ Training & Research, Chandigarh, India, in Aug. 2013.

7. Prof. A. K. Sachan, Prof. R.P. Singh, Dr. Varun Singh, Dr. P. R. Pal, Dr. G. Ghosh, Dr. H. K. Pandey, and Dr. N. R. Rawal Attended Training and Study Tour at Asian Institute of Technology (AIT), Bangkok during Sept. 28, 2013 to Oct. 4, 2013.
7. Er. Vijay Kumar, Er. V.P. Singh, Er. Anupam Rawat, and Dr. Kumar Pallav attended a short term course on, Limit State Design of Steel Structure, organised by Civil Engineering Deptt., MNNIT Allahabad, India, during Oct. 17-21, 2013.
8. Er. Anupam Rawat and Dr. N. R. Rawal attended Short Term Course on Geotechnical Investigations for Urban Planning and Development at Motilal Nehru National Institute of Technology, Allahabad, India, Dec. 2013.
9. Er. Vijay Kumar, Er. V. P. Singh, Dr. P.R. Pal, Er. Anupam Rawat, Dr. Kumar Pallav, and Dr. G. Ghosh attended workshop on, Intellectual Property Rights organized by IPR Cell in MNNIT Allahabad, India, during Feb. 6-7, 2014.
10. Dr. Kumar Venkatesh attended a 2nd International Conference on Architecture and Civil Engineering, Singapore, during Mar. 24-25,2014.

XVI. Research Projects Ongoing/Completed

Sl. No.	Principal Investigator/Co investigator(s)	Project Title	Funding Agency	Amount (INR in Lacs)	Duration (Status)
1.	Dr. Goutam Ghosh	Response of Curved Bridges with Isolation Bearings	Science and Engg. Research Board, Deptt of Science and Tech., New Delhi	11.28	Sanction Month: May, 2013 for Three Years
2.	Dr. H.K.Pandey	Hydrogeological Evaluation of Fluoride contamination of groundwater	MNNIT	1.34	1.5 Years

XVII. Other Relevant Information to be incorporated in Annual Report:

1. Prof. A.K. Sachan is Editorial Team Member of following Journals.
 - i. Journal of Structural Engineering and Management, ISSN 2393-8773.
 - ii. Journal Of Geotechnical Engineering, eISSN 2394-1987
 - iii. Journal of Civil Engineering and Architecture, ISSN 1934-7359
2. Dr. Kumar Pallav Awarded with Heritage Program under European Commission Fellowship (2013), Visited Czech Technical University, Prague.

3. Prof. R.P. Singh has been honoured with Fellow Member of Institution of Engineers (F-116188-8/EN) in Environmental Engineering division.
4. Dr. Kumar Venkatesh Reviewer of Journal of The Institution of Engineers (India): Series A published by Springer.
5. Subject Price for paper entitled “GIS Based Application of Advanced Traveler Information System in India,” Journal of IEI, Series A, vol. 93, no. 1, pp.79-85, Apr., 2012 by Prof. Praven Kumar and Dr. Varun Singh at 28th Indian Engineering Congress, Chennai, Dec. 20, 2013.

10.4 CHEMICAL ENGINEERING DEPARTMENT

I. a) Vision

To educate undergraduate and graduate students by offering solid foundation in both theoretical and applied aspects of Chemical Engineering and to discover and disseminate knowledge through research.

The Department is committed to achieving excellence in education, and evaluates the success of its programs using the highest standards of quality & visibility with providing a friendly and supportive atmosphere.

b) Mission:

Our goal is to provide strong fundamentals complemented by professional skills including communication to the students.

II. a) Courses Run by Department:

B. Tech. in Chemical Engineering,
M. Tech. in Chemical Engineering,
Ph. D. in Chemical Engineering.

b) Courses in which students were admitted in 2013-14:

B. Tech. in Chemical Engineering,
Ph. D. in Chemical Engineering.

III. List of Ph. D Thesis Completed:

Sl. No.	Name of Student (Reg.No.)	Thesis title	Supervisor(s)
1.	Nikhil Prakash	Kinetic Modeling and Simulation of Metallocene Catalyzed Polyolefins	Dr. Sushil Kumar and Dr. Arvind K. Sharma (BITS, Pilani)

IV. List of M. Tech Thesis completed: Nil

I. Publications in Journals *International*:

1. M. Gupta, A. K. Chaudhary, and M. S. Alam, "Effect of trust, satisfaction and other relationship dimensions on Supplier Relationship Management," *Review of Integrative Business & Economics Research*, vol. 3, pp. 17-30, 2014. (Impact factor: not available).
2. B. N. Murthy, A. N. Sawarkar, T. Mathew, N. A. Deshmukh, and J. B. Joshi, "Petroleum coke gasification: A review," *The Canadian J. of Chemical Engineering*, vol. 92, pp. 441-468, 2014. (Impact Factor: 1.313).

3. S. Kumar, S. Kamsonlian, N. Chomal, "Equilibrium Study on Reactive Extraction of Nicotinic Acid from Aqueous Solution," *Int. J. of Chemical Engineering and Applications*, vol. 5, pp. 506-510, 2014. (Impact factor: not available).
4. D. Datta and S. Kumar, "Equilibrium and Kinetic on Reactive Extraction of Nicotinic Acid with Tri-n-Octylamine Dissolved in MIBK," *Industrial and Engineering Chemistry Research*, vol. 52, pp. 14680-14686, 2013. (Impact Factor: 2.3).
5. S. U. Hasan, R. K. Malik, and S. Mahajani, "Selectivity engineering with single-feed hybrid reactive distillation columns," *Chemical Engineering Science*, vol. 99, pp. 324–334, 2013. (Impact Factor: 2.84).

V. Publication in Journal National: *Nil*

VI. Publication in Conferences:

For publication Conference Proceedings:

1. S. Kumar, N. Chomal, and A. Kumar, "Investigations of Use of Ionic Liquid in Extraction of Picolinic Acid from Aqueous Solutions," in *Annual Meeting of AIChE*, San Francisco, CA, USA, Nov. 3-8, 2013.
2. D. Datta, and S. Kumar, "Central Composite Design for the Modeling of the Glycolic Acid Reactive Extraction" in *Annual Meeting of AIChE*, San Francisco, CA, USA, Nov. 3-8, 2013.
3. N. Prakash, S. Kumar, and A. K. Sharma, "Metallocene Catalyzed Propylene Polymerization: Modeling, Simulation and Parameter Estimation using Differential Evolution Approach" in *Proc. of 66th Annual Session of IChE (CHEMCON-2013)*, ICT, Mumbai, India, 27-30 Dec., 2013.
4. K. Kishor, M. S. Alam, and V. K. Agarwal, "Nucleate Pool Boiling of Liquids Binary Mixtures at Sub-Atmospheric Pressures," *Proc. of the 22nd National and 11th International ISHMT-ASME Heat and Mass Transfer Conference*, Dec. 28-31, 2013, IIT Kharagpur, India.
5. A. Mishra, K. Kishor, R. K. Patel, and M. S. Alam, "Heat Transfer Enhancement in Shell & Tube Heat Exchanger with Al₂O₃-Water Based Nanofluids: A Numerical Investigation," *Proc. of the 22nd National and 11th International ISHMT-ASME Heat and Mass Transfer Conf.*, Dec. 28-31, 2013, IIT Kharagpur, India.

Paper Presented at Conference:

1. S. Jain and A. N. Sawarkar, "Role of plant derived-derived biopesticides for sustainable agricultural activities," presented at the Int. Conf. on Health, Environment and Industrial Biotechnology held at MNNIT, Allahabad, India, Nov. 21-23, 2013.
2. A. N. Sawarkar, "Value addition via pyrolysis of North Gujarat vacuum residue," presented at the 66th Annual session of Indian Chemical Congress held at Institute of Chemical Technology, Mumbai, India, Dec. 27-30, 2013.
3. S. Mishra, S. Sachan, and M. Upadhyay, "Preparation and Application of SPPEES-TiO₂ Composite Micro-porous UF Membrane for Refinery Effluent Treatment," at JNU New Delhi, India, Jan. 4-5, 2014.
4. S. Mishra, S. Sachan, and M. Upadhyay, "Synthesis and application of PPEES-ZrO₂ composite micro-porous UF membrane for oily water treatment, NanoSciTec," at Panjab University, Chandigarh, India, at Feb. 13-15, 2014.
5. S.B. Mishra et. al., "Preparation and characterization of PPEES-TiO₂ composite micro-porous UF membrane for oily water treatment," ICAMME at National Institute of Technology, Karnataka, India, Mar. 27-29, 2014.

VII. Patents:*Nil***VIII. Reviewer in International Journals:**

SI. No.	Faculty Name	Journal Name
1.	Dr. M. Siraj Alam	Springer Journals: Journal of The Institution of Engineers (India): Series E
2.	Dr. Ankur Gaur	i. Journal of Institution of Engineers (India): Series E. ii. Clean Technologies & Environment Policies. iii. Energy & Fuels iv. Fuel Processing Technology
3.	Dr. Sushil Kumar	i. Fluid Phase Equilibria (Elsevier) ii. Journal of Chemical and Engineering Data (American Chemical Society) iii. Industrial and Engineering Chemistry Research (American Chemical Society) iv. Separation and Purification Technology (Elsevier) v. Desalination (Elsevier) vi. Journal of Chemistry

IX. Books(s)/Book(s) Chapter(s) Authored: Nil

X. Conference/Workshop/short Term Course Organized by department

Sl. No.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month & Year
1.	Curriculum Development Workshop for M. Tech. (Chemical Engineering)	Head, ChED.	July 16, 2013.

XI. Invited Lectures Delivered:

1. Dr. Sushil Kumar, Assistant Professor Chemical Engineering Department, MNNIT, Allahabad on entitled "Reactive Extraction: An Intensifying Approach for the Recovery of Carboxylic Acids," in Department of Chemical Engineering, IIT Delhi, July 01, 2013.

XII. Invited Lectures Organized: Nil

XIII. Coordinator/Co-coordinator in Workshop/short-Term courses/Training Programme:

Sl. No.	Principal Investigator/Co Investigator(s)	Project Title	Funding Agency	Amount (INR in Lacs)	Duration (Status)
1.	Dr. Harinder Singh	Experimental and Theoretical Investigation into rheology of legume starches through food polymeric approach	MNNIT Allahabad	2.00	2years (ongoing)
2.	Dr. Ashish N. Sawarkar	Value-added products from the bottom-of-the-barrel	MNNIT, Allahabad	2.18	Aug. 23, 2013 (For two years)
3.	Dr. Sushil Kumar	Reactive extraction of nicotinic- and isonicotinic acids from aqueous solution	Deptt. of Sci. & Tech., GoI, New Delhi	11.50	2012-2014 (Ongoing).
4	Dr. Sushil Kumar	Extraction of Metals Ions from Aqueous Solutions using Ionic Liquids (Green Solvents)	TEQIP-II, MNNIT, Allahabad	3.70	2013-2014 (Ongoing)
5.	Dr. Sushil Kumar	Ionic Liquids Green solids: extraction of organic Compound	MNNIT Allahabad	2.00	2013-2014 (Ongoing)
6.	Dr. Sushil Kumar	Reactive extraction of chemicals from bio-oil produced by fast pyrolysis of biomass	Ministry of Environment and Forests, New	49.20	(Submitted in Dec. 2013).

			Delhi		
7.	Dr. Sushil Kumar	Bioprospecting of thermophilic fungi for phytase enzyme production in favor of reduction of phytic acid food inhibitor	Deptt. of Sci. & Tech., GoI, New Delhi	19.86	Submitted in 2013
8.	Dr. Sushil Kumar	Development of new method for toxic compound reduction in unconventional legume food: Sesbania and Crotalaria for Human consumption	Deptt of Biotech., Ministry of Sci. and Tech., GoI, New Delhi	19.44	Submitted in 2013

1. Dr. Sushil Kumar, Co-Coordinator, Curriculum Development Workshop for M. Tech. (Chemical Engineering) organized by Department of Chemical Engineering, MNNIT, Allahabad on July 16, 2013.

XIV. Conferences/Workshops/Short-Term Courses/Training Programme Attended:

1. Dr. Sushil Kumar and Dr. Harinder Singh attended 5 Day Training on 'Management Capacity Enhancement Programme for Administration' organized by IIM, Lucknow, India, Noida Campus, Noida, Jan. 13-17, 2014.
2. Dr. Ashish N. sawarkar attended Workshop on 'Applied Mechanics, "Pravartana-2013",' at IIT, Kanpur, India, on Oct. 4-7, 2013.
3. Dr. Ashish N. sawarkar attended Workshop on 'Intellectual Property Rights,' MNNIT, Allahabad, India, on Feb. 6-7, 2014.

XV. Research Projects Ongoing/Completed:

XVI. Other Relevant Information to be incorporated in Annual Report: Nil

10.5 DEPARTMENT OF CHEMISTRY

I. Vision & Mission: To provide high-quality education and training in chemical sciences to engineering and science graduates in tune with the contemporary global developments.

II. a) Courses Run by Department:-

B.Tech.I/II semester theory and lab course.

Ph.D. Program.

b) Courses in which students were admitted in 2013-2014:

Ph. D.

III. List of Ph.D. Thesis Completed:

Sl. No.	Name of student (Reg. no.)	Thesis title	Supervisor(s)
1.	Israr Ahmad 2009RCY54	Synthesis and Optical Sensing Studies of Chromogenic/ Fluorogenic Chemosensors for Anions	Dr. Tamal Ghosh

IV. List of M. Tech Thesis Completed : Nil

V. Publication in Journals *International* :

1. I. Ahmad, N. K. Mishra, and T. Ghosh, "5-(1H-Indol-3-yl)-pyrazolyl derivatives as colorimetric sensor for anions," *J. Incl.Phenom. Macrocycl. Chem.*, vol. 76, pp. 183-191, 2013. (Impact Factor: 1.426).
2. S. Singh, D. K. Gupta, H. Noeth, and A. Pandey, "Synthesis, Characterization and Photoluminescent Property of a Trinucleated Cadmium (II) Coordination Polymer Involving in Situ Ligand Reaction," *J. of Chemical Crystallography*, vol. 43, pp. 82-90, 2013. (Impact Factor: 0.513).
3. K. Gupta, R. P. Singh, A. Pandey, and A. Pandey, "Photocatalytic antibacterial performance of TiO₂ and Ag-doped TiO₂ against S. aureus. P. aeruginosa and E. coli," *Beilstein J. of Nanotechnology*, vol. 4, pp. 345–351, 2013. (Impact Factor: 2.326).

4. S. Ambreen, K. Gupta, S. Singh, D. K. Gupta, S. Daniele, N. D. Pandey, and A. Pandey, "Synthesis and structural characterization of some titanium butoxides modified with chloroacetic acids," *Transition Metal Chemistry*, vol. 38, pp. 835–841, 2013. (Impact Factor: 1.402).
5. R. Upadhyay, M. Tripathi, and A. Pandey, "Surface Modification of Semiconductor Photoelectrodes for Better Photoelectrochemical Performance," *High Energy Chemistry*, vol. 47, pp. 308–314, 2013. (Impact Factor: 0.773).
6. G. Thiyagarajan, H. S. P. Rao, A. Thamarachelvan, P. Mayer, A. Pandey, "Convenient synthesis, antibacterial activity, and crystal structure of some biologically important hydrazinecarbonyl benzenesulfonamides," *Research on Chemical Intermediates*, DOI 10.1007/s11164-013-1502-8 available online Dec. 2013. (Impact Factor: 1.540).
7. R. Upadhyay, M. Tripathi, P. Chawla, and A. Pandey, "Performance of CeO₂-TiO₂-admixed photoelectrode for natural dye-sensitized solar cell," *J. Solid State Electrochem*, vol. 47, pp. 308-314, 2013. (Impact Factor: 2.23).
8. A. Semwal, R. Singh, and P. K. Dutta, "Chitosan: A promising substrate for pharmaceuticals," *J. of Chitin & Chitosan Science*, vol. 1, pp. 87-102, 2013. (Impact factor: not available).
9. D. Archana, B. K. Singh, J. Dutta, and P. K. Dutta, "In vivo Evaluation of chitosan-PVP-titanium dioxide nanocomposite as wound dressing material," *Carbohydrate Polymers*, vol. 95, pp. 530-539, 2013. (Impact Factor: 3.479).
10. D. Archana, J. Dutta, and P. K. Dutta, "Evaluation of chitosan nano dressing for wound healing: Characterization, in vitro and in vivo studies," *Int. J. of Biological Macromolecules*; vol. 57, pp. 193-203, 2013. (Impact Factor: 2.679).
11. H. Kumar, R. Srivastava, and P. K. Dutta, "Highly luminescent chitosan-l-cysteine functionalized CdTe quantum dots film: Synthesis and characterization," *Carbohydrate Polymers*, vol. 97, pp. 327-334, 2013. (Impact Factor: 3.479).
12. R. Sirohi, B. K. Singh, D. Archana, A. Jain, and P. K. Dutta, "Chitosan-alginate: A promising scaffolds for cartilage tissue engineering," *Asian Chitin Journal*, vol. 9, pp. 21-24, 2013. (Impact Factor: Not available).
13. S. K. Pandey, S. Pandey, V. Parashar, R. S. Yadav, G. K. Mehrotra, and A. C. Pandey, "Bandgap Engineering of Colloidal Zinc Oxysulfide via Lattice Substitution with Sulfur," *Nanoscale*, vol. 6, p. 1602, 2014. (Impact Factor: 6.23).
14. S. K. Pandey, S. Pandey, A. C. Pandey, and G. K. Mehrotra, "Zinc oxysulfide ternary alloy

- nanocrystals: A bandgap modulated photocatalyst,” *App. Phys. Lett.*, vol. 102, pp. 233110 - 233110-5, 2013. (Impact Factor: 3.78).
15. D. Archana, L. Upadhyay, R. P. Tewari, J. Dutta, Y. B. Huang, and P. K. Dutta, “Chitosan-pectin-alginate as a novel scaffold for tissue engineering applications,” *Indian J. of Biotechnology* 2013; vol. 12, pp. 475-482, 2013. (Impact Factor: 3.479).
 16. A. Bhatt, B. K. Singh, D. Archana, and P. K. Dutta, “Preparation, Physicochemical and Biological Study of Chitosan/Prednisolone Succinate Pro-drug for Pharmaceutical Applications,” *J. of Polymer Materials*, vol. 30, pp. 187-197, 2013. (Impact Factor: 0.477).
 17. P. K. Dutta et al. “Bacteria-killing glow quantum dots,” *Nature India*, vol. 97, pp. 327-334, 2013. (Impact factor: not available).
 18. S. K. Yadav, S. S. Mahapatra, M. K. Yadav, and P. K. Dutta, “Mechanically robust biocomposite films of chitosangrafted carbon nanotubes via the [2+1] cycloaddition of nitrenes,” *RSC Advances*, vol. 3, pp. 23631-23637, 2013. (Impact Factor 2.562).
 19. S. Kumar, Kiran, P. K. Dutta, and J. Koh., “Chitosan biopolymer based Schiff base: Preparation, characterization, optical & antibacterial activity,” *Int. J. Polymeric Materials & Polymeric Biomaterials*, vol. 63, pp. 173-177, 2014. (Impact Factor 1.865).
 20. S. Kumari, A. Kumar, P. S. Gupta, P. K. Dutta, and R. B. Mathur, “Improving the mechanical and thermal properties of semicoke based carbon/copper composites reinforced using carbon nanotubes,” *Advance Materials Letters*, vol. 5, pp. 265-271, 2014. (Impact factor: not available).
 21. D. Archana, J. Dutta, and P. K. Dutta, “Chitosan for wound healing management via in vivo approach: A mini review,” *Asian Chitin Journal*, vol. 10, pp. 1-10, 2014. (Impact factor: not available).
 22. N. Sahai, T. Jain, S. Kumar, and P. K. Dutta, “Chitosan based porous scaffolds by Computer Aided Tissue Engineering,” *Asian Chitin Journal*, vol. 10, pp. 11-19, 2014. (Impact factor: not available).
 23. H. Kumar and P. K. Dutta, “Chitosan-QD nanocomposite: Synthetic strategy and application,” *Asian Chitin Journal*, vol. 10, pp. 19-24, 2014. (Impact factor: not available).
 24. P. Dwivedi, S. S. Narvi, and R. P. Tewari, “Application of polymer nanocomposites in the nanomedicine landscape: envisaging strategies to combat impant associated infections,” *J. Appl. Biomater Funct. Mater.*, vol. 11, pp. 129-142, 2013. (Impact factor: not available).

25. P. Dwivedi, S. S. Narvi, and R. P. Tewari, "Rudraksha assisted generation silver nanoparticles for integrated application in the biomedical landscape," *Int. J. of Green Nanotechnol. (Taylor & Francis)*, vol. 4, pp. 248-261, 2014. (Impact factor: not available).
26. P. Dwivedi, S. S. Narvi, and R. P. Tewari, "Phytofabrication characterization and comparative analysis of Ag nanoparticles by diverse biochemicals from *Elaeocarpus ganitrus* Roxb., *Terminalia arjuna* Roxb., *Pseudotsuga menzietii*, *Prosopis spicigera*, *Ficus religiosa*, *Ocimum sanctum*, *Curcuma longa*, *Industrial Crops and Products*, vol. 4, pp. 22-31, 2014. (Impact factor: not available).
27. D. Pandey, S. S. Narvi, G. K. Mehrotra, and R. J. Butcher, "Diaqabis (nicotinamide-kN') bis (thiocyanato- kN) nickel (II)," *Acta Cryst.*, E70, m183, 2014. (Impact factor: not available).

Publication in Conferences:

1. S. Ambreen, Md. Danish, N. D. Pandey, and A. Pandey, "A comparative study of sizes of TiO₂ Nanoparticles as solids and in chloroform dispersions," *Int. Conf. on Environment, Health and Industrial Biotechnology*, (Biosangam at MNNIT Allahabad), India, 2013, pp. 144-146.
2. A. Chouhan and A. Pandey, "Morphological comparison of metal-organic frameworks synthesized by Microwave assisted and conventional hydrothermal methods," *Int. Conf. on Environment, Health and Industrial Biotechnology*, (Biosangam at MNNIT Allahabad), India, 2013, pp. 307-310.
3. T. Jain and P. K. Dutta, National Symposium on "Emerging Issues in Chitin and Chitosan Research," *Chitin nanoparticles for drug delivery; preparation, characterization, evaluation & comparison*, (CSIR-Institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh), India, 2013.
4. N. Nigam, S. Kumar, T. Ghosh, and P. K. Dutta, "Birefringence, anion sensing and antibacterial ability of chitosan-azo Schiff bases: A systematic study for optical devices," *10th Asia-Pacific Chitin & Chitosan Symposium*, (Yonago, Japan), 2013.
5. P. K. Dutta, India-Japan Workshop on "Biomolecule Electronics & Organic Nanotechnology for Environment Presentation," Emerging trends of biosensors, (Delhi Technological University, Delhi), India, 2013.

Papers Presented at Conferences:

1. M. Athar, P. Singh, V. K. Vishwakarma, K. Kumari, and G. K. Mehrotra, "Energy Optimization of Inclusion Complexation between various Thiazolidines with Cyclodextrin" National

Symposium on Chemistry and Environments,” Deen Dayal Upadhyay College, University of Delhi, India, 2013.

VI. Patents : *Nil*

VII. Reviewer in International Journals:

Sl. No.	Faculty Name	Journal Name
1.	Dr. Tamal Ghosh	RSC Advances
2.	Dr. Ashutosh Pandey	Applied Organometallic chemistry (Wiley)
3.	Dr. G. K.Mehrotra	Journal of Molecular Structure (Elsevier) Inorganica Chimica Acta (Elsevier) Applied Physics Letters (Elsevier)
4.	P. K. Dutta	International Journal of Biological Macromolecules, African Biotechnology, Carbohydrate Polymers, Journal of Polymer Materials, RSC Advances, Journal of Materials Chemistry

VIII. Book(s)/Book(s) Chapter(s) Authored:

Sl. No.	Faculty Name (Author/Co-author)	Book	Book Chapter	Publisher
1.	P.K.Dutta J. Dutta, Institute of Engineering & Technology, Raipur, India (Eds.)	Multifaceted Development and Applications of Biopolymers towards Biology, Biomedicine and Nanotechnology Series: Advances in Polymer Science, Vol. 254,	Chapter: Functional Nanoparticles and Chitosan-Based Functional Nanomaterials	Springer-Verlag Berlin Heidelberg 2013
2.	S.S.Narvi, R.P.Tiwari & Poushpi Dwivedi	Encyclopedia of Biomedical Polymers and Polymeric Biomaterials	Silver nanoparticles and nanocomposites	Taylor & Francis, 2014.

IX. Conference/Workshop/Short Term Course Organized by department:

Sl. No.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month & Year
1.	The role of basic sciences in engineering education”	Dr.Tamal Ghosh	June 12-16, 2013
2.	Soft Strategies for the scalable synthesis on nano materials	Dr. Ashutosh Pandey	May 27-31, 2013
3.	Short term course on The role of basic science in engineering education under Self-Financed Category	Coordinators: Manoj Kumar, Department of Mathematics, Tamal Ghosh, Chemistry and Arvind Agrawal, Physics Convener: P. K. Dutta	June 12-16, 2013

X. Invited Lectures Delivered:

1. An invited talk delivered by Dr. Ashutosh Pandey in 'STC on modeling simulation processing and characterization of polymer nanocomposites' by Mechanical Engg Dept, MNNIT Allahabad during July 9-13, 2013.
2. An invited talk delivered by Dr. Ashutosh Pandey in STC on 'Advances in Material science and Engineering' organized during July 15-21, 2013 by Physics and Mechanical Engg. Departments at MNNIT Allahabad.
3. An invited talk delivered by Dr. G. K. Mehrotra on Zinc Oxysulfide Nanocrystals in the National Conference on Chemistry of Chalcogens held during Jan. 14-15, 2013 at Defense Institute of Advanced Materials (DIAT), Pune.
4. P.K.Dutta delivered lecture: Emerging trends of biosensors, India-Japan Workshop on "Biomolecule Electronics & Organic Nanotechnology for Environment Presentation (IJWBME 2013) held during Dec. 13-15, 2013 at Delhi Technological University, Delhi, India.

XI. Invited Lectures Organized

1. रसायन विज्ञान विभाग मे ३ फरवरी २०१४ को "फ्लुओरेसेन्स सूक्ष्मदर्शी और जैव प्रतिचित्रण" पर एक विषय विशेषज्ञ द्वारा व्याख्यान दिया गया जिसमे रसायन विज्ञान विभाग के अध्यापक और शोध छात्र उपस्थित थे।

XII. Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme

1. Dr. Tamal Ghosh as coordinator for the self-financed Short term course entitled "The role of basic sciences in engineering education" during June 12-16, 2013 at MNNIT, Allahabad, India,.
2. Coordinators: Manoj Kumar, Department of Mathematics, Tamal Ghosh, Chemistry and Arvind Agrawal, Physics Convener: P.K.Dutta SHORT TERM COURSE ON The role of basic science in engineering education Under Self-Financed Category during June 12-16, 2013.

XIII. Conferences/Workshops/Short-Term Courses/Training Programme Attended:

1. P.K. Dutta attended National Symposium on "Emerging Issues in Chitin and Chitosan Research," June 07-08, 2013, CSIR- institute of Himalayan Bioresource Technology, Palampur, Himachal Pradesh, India
2. P.K. Dutta attended 10th Asia-Pacific Chitin & Chitosan Symposium; Oct. 04-08, 2013 in Yonago, Japan 3 P. K. Dutta attended India-Japan Workshop on "Biomolecule Electronics & Organic Nanotechnology for Environment Presentation (IJWBME 2013) held during Dec. 13-15, 2013 at Delhi Technological University, Delhi, India.

XIV. Research Projects Ongoing/Completed:

Sl. No.	Principal Investigator/Co investigator(s)	Project Title	Funding Agency	Amount (INR in Lacs)	Duration (Status)
1.	Dr. Anjana Pandey (PI) Dr. Ashutosh Pandey (Co-PI)	Integetherated biohydrogen production from renewable biomass and biological wastes using microbial strains	DBT, New Delhi	48.19	Mar. 28, 2014
2.	P.K.Dutta (PI) Tamal Ghosh (Co-PI)	Chitosan derivatives containing azo based Schiff bases: Synthesis, characterization, spectroscopic and antimicrobial studies	CSIR, New Delhi	15.00	Ongoing

Other Relevant Information to be incorporated in Annual Report:

Visits Abroad by Dr. Ashutosh Pandey:

Department of Chemistry LMU Munich Germany	June 09-16, 2013
Department of Chemistry LMU Munich Germany	Oct. 16-24, 2013
Material Science Division, Oak Ridge National Laboratory, U.S.A.	Mar. 10-14, 2014

P. K. Dutta, Indian Chemical Society-Council Member, and attended Jaipur meeting in Dec. 2013.

२८ फ़रवरी को विज्ञान दिवस मनाया गया, इस अवसर पर शोध छात्रों ने अपने शोध कार्य से सम्बंधित पोस्टर प्रदर्शित किये, इसमें कई विभिन्न शाखाओं जैसे भौतिकी, जैव-प्रौद्योगिकी , रसायन-प्रौद्योगिकी भियांत्रिकी ने भी भाग लिया ।

10.6 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

I. Mission & Vision:

The Department Computer Science & Engineering has following missions

1. To offer high quality undergraduate and graduate programs, to train the students in different aspects of computing discipline and to offer other training programs to enhance, augment, and/or update technical skills of stake holders.
2. To provide a learning environment that helps students to be successful in their professional lives and to prepare students to be lifelong learners by offering a solid theoretical foundation in computing along with applied computing experiences and educating them about their professional, and ethical responsibilities.
3. To have high quality faculty and staff with an appropriate know how and degrees with a commitment to remain professionally advanced through ongoing research and professional development programs.
4. To attract and retain a diverse and multicultural population of student, faculty, and staff.

The graduates produced would be globally recognized as innovative and well-prepared computing professionals. These graduates would be leaders and innovators in the industry, education, and other walks of social life. The faculty working in the department would influence the national and international agenda through quality in teaching and research. Department would strive for inter-disciplinary pursuits that reinforces the impact of computation in other disciplines.

1. List of Ph.D Thesis completed in 2013-14:

Sl.No.	Name of Student with Reg. no	Thesis Title	Supervisor (s)
1.	Ranvijay 2008RCS01	Improved Energy Aware Scheduling for Time Critical Applications with Energy Harvesting Constraint	Dr. R.S.Yadav
2.	Ashish Sharma 2008RCS07	Early Estimation of Software Complexity, Development and Testing Effort from IEEE-SRS Document	Dr.D.S.Kushwaha
3.	Sarsij Tripathi 2008RCS11	Effective Scheduling of Security Constrained Time Critical Application on Cluster	Dr. R.S.Yadav
4.	Krishna Kr Mishra 2009RCS06	New Bio Inspired Optimization	Prof. A.K.Misra

		Algorithms	
5.	Sushila Kamble 2008RCS03	Imperceptibility and Robustness Improvement in Digital Image Water marking	Dr. Suneeta Agarwal Prof. V.K.Srivastava
6.	Sandeep Kumar Harit 2009RCS05	Proposals for Certificate Revocation and Dissemination of Revocation Information in Vehicular Ad-hoc Networks	Dr. Neeraj Tyagi
7.	Shailesh Tiwari 2009RCS03	Regression Testing : A New Approach for Test Suits Generation, Minimization and Prioritization	Prof. A.K.Misra
8.	Ravi Shanker Pandey 2005RCS03	Identification Estimation and Visualization of Meta-Model Based QoS Attributes of Web Service Choreography	Prof.B.D.Chaudhary
9.	Chintan Kr Mandal 2008RCS10	Applications of Delaunay Triangulation for some 2-D Euclidean geometric Graph problems in the Online and Kinetic environment	Dr. Suneeta Agarwal
10.	Md. Meftah Alrayes 2009RCS13	Performance Enhancement of MANET Routing Protocol Over Hybrid Wireless Mesh Network	Dr. A.K.Misra Dr. Neeraj Tyagi
11.	Vikas Maheshkar 2008RCS15	Face Recognition using Holistic and Feature Based Approaches	Dr. Suneeta Agarwal Prof. V.K.Srivastava

I. List of M.Tech (CS) Thesis Completed in 2013:

Sl. No.	Name of Students/ (Registration No.)	Title	Supervisors
1.	Namita Mishra 2011CS01	Rule based software testing using decision table from requirements specification	Dr. D.S.Kushwaha
2.	Neha Agarwal 2011CS03	Differential evolution algorithm with adaptive mutation	Er. K.K.Mishra
3.	Anil Kumar 2011CS04	Computing online reputation for web learning resources based on implicit and explicit user feedback	Dr. A.K.Singh.

4.	Mukesh Kr Khandelwal 2011CS06	Improved particle swarm optimizer	Dr. K. K. Mishra
5.	Madhuri Gupta 2011CS07	Energy aware greedy approach for chain formation and leader selection in wireless sensor network	Prof. R.S. Yadav
6.	Laxmi Saraswat 2011CS08	Throughput and delay analysis of a reliable cooperative MAC protocol using adaptive contention window technique an adhoc networking	Prof. Neeraj Tyagi
7.	Amit Kishor Shukla 2011CS09	Offline signature verification system using grid and graph based feature extraction	Mr. Manoj Wairya
8.	Chanchal Johal 2011CS11	Rule based intrusion detection system using particle swarm optimization	Mr. Sandeep Kumar Harit
9.	Neha Gupta 2011CS12	A new dynamic data structure for dictionary with efficient insertion and searching	Dr.D.S.Kushwaha
10.	Avjeet Singh 2011CS14	comparative performance analysis for different routing protocols with integrated IPSec suit in mobile adhoc networks	Mr. Manoj Wairya
11.	Ashutosh Kumar 2011CS15	optimizing route discovery phase in AODV for VANETS	Mr. Sandeep Kumar Harit
12.	Atul Vikash Lakara 2011CS16	Multi objective task scheduling algorithm for cloud computing throughput optimization	Mr. D.K.Yadav
13.	Mohd. Mushtaqeem 2011CS17	staas using underutilized computers of laboratories.	Prof. B.D.Chaudhary.
14.	Bindu Madhavi 2011CS18	Palmprint recognition system based on wavelet transformation and artificial neural networks	Prof. A.K.Mishra
15.	Sunil Kumar Malaiya 2011CS19	An approach to measure maintainability, usability and understandability of s/w using class diagram	Dr. D.S.kushwaha
16.	Kushal Gupta 2011CS20	Modified scheme for cluster based pvt data aggregation in wireless sensor networks	Mr. Rajesh Tripathi.
17.	Vishwas Rathi 2011CS22	Identification of ranking parameters for rankers of technical instt. and their ranking	Prof. B.D.Chaudhary
18.	Vipin Tomar 2011CS23	Implementation of video streaming with VCR functionalities over P2P networks	Dr Mayank Pandey
19.	Anupam Biswas 2011CS24	An atomic model based optimization algorithm	Prof. Neeraj Tyagi
20.	Rahul Singh 2011CS25	Improved minimum execution time algorithm in cloud computing enviroment	Mr. D.K.Yadav
21.	Tripti Singh	Cluster based hierarchical routing	Prof. M.M.Gore

	2011CS26	protocol with throughput for wireless sensor network	
22.	Shruti Verma 2011CS27	Text independent speaker identification system with proportional weighted ranking on hindi language data	Prof. A.K.Mishra
23.	Prakhar Bansal 2011CS29	An atomic model based optimization algorithm	Prof. M.M.Gore
24.	Manish Singh 2011CS30	A Fast restart mechanism with reduced checkpoint overhead for reliable systems	Prof. R.S.Yadav
25.	Shubhi Gupta 2011CS32	Implementation of network virtualization	Dr. Mayank Pandey
26.	Akansa Pandey 2011CS33	Effective vehicle detection for traffic surveillance system	Prof. Suneeta Agarawal
27.	Vikash Kumar 2011CS34	Improving handover efficiency in wireless network using media independent handover	Prof. R.S.Yadav
28.	Anurag Maurya 2011CS35	A Recommender system using collaborative filtering approach	Dr.A.K.Singh

II. List of M.Tech (IS) Thesis Completed in 2013:

Sl.No.	Name of Students with Registration No.	Title	Supervisors
1.	Ankanshit Verma 2011IS08	An Efficient Cost Optimization Approach for Task Scheduling in Heterogeneous Distributed System	Prof. A.K.Misra
2.	Ajay Kumar Das 2011IS15	Implementation of Mobile Agent to Assist trusted Role Change in Hierarchical DHT Overlays	of Dr. Mayank Pandey
3.	Amit Agarwal 2011IS16	An Outlier based Approach for Spam Blog Detection	Dr. A.K.Singh
4.	Amit Singh 2011IS23 A	Hybrid Approach for Advertisement Recommendation System	Dr. A.K.Singh
5.	Anil Kumar Dhani 2011IS04	Employee personal Finance System : Getting Ready for Income Tax Evaluation	Prof. M.M.Gore
6.	Ankit Gupta 2011IS20	Adaptation of Gephi Toolkit for Visual Exploration of Diffusion Path in Email Network	Prof. B.D.Chaudhary
7.	Ankur Gupta 2011IS22	Particle Acceleration Based Particle Swarm Optimization	Dr. K.K.Mishra
8.	Anup Kumar Kori 2011IS27	Improving image segmentation using genetic algorithm	Er. Manoj Wariya.
9.	Arun Pratap Singh Jadoun 2011IS14	Modeling and Formal Analysis of BPMN through CCS	Er. D.K.Yadav

10.	Shukla Ashutosh Parasnath 2011IS11	Proposal of Dynamic Social Network, Trust and Reputation based Scheme for VANET	Er. Sandeep Kumar Harit
11.	Atul Kumar 2011IS21	A Clustering based Algorithm for Reliability Maximization of Task Allocation in Distributed Computing System using PSO	Prof. A.K.Misra
12.	Avneesh Kumar Mishra 2011IS13	Misbehavior Detecting of Dynamic Events using Fox Hole Model	Er. Sandeep Kumar Harit
13.	Bitopan Mazumdar 2011IS24	An Approach to Reduce Scanning Delay And Occurrences of Handover in 802.11 Networks	Dr Neeraj Tyagi
14.	Deepak Kr Pallai 2011IS18	"Modified AODV for Redundant Path Mobile Ad-hoc Network	of Prof. R.S. Yadav
15.	Durgesh Singh 2011IS30	DCT based Image authenticatin and recovery using fragile watermarking scheme.	Prof. Suneeta Agarwal
16.	Gurucharan Mandi 2011IS09	Reducing the size of test suite using a variant of Non dominated Sorting Genetic Algorithm II	Dr. K.K.Mishra
17.	Madhup Agrawal 2011IS03	Development of Ethernet network for use in nuclear power plant	Prof. Neeraj Tyagi
18.	Nand Kishore 2011IS25	Application of Maximum Clique in Social Network Analysis	Er. D.K.Yadav
19.	Punit Kr Chaubey 2011IS05	Analysis of Applying Trust and Reputations Management Algorithm for Content Sharing in Hierarchical DHT Overlays	Dr. Mayank Pandey
20.	Shashi Prakash 2011IS07	Prevention of Black hole Attack in AODV Routing Protocol Based Mobile Ad hoc Network	Prof. R.S.Yadav
21.	Surendra Kr Raut 2011IS26	Image Protected Shares Generation	Prof. Suneeta Agarwal
22.	Tamal Kanti Chakraborty 2011IS19	User Friendly Front End Design for E-Filling of Income Tax	Prof. M.M.Gore
23.	Vikas Anand 2011IS06	Prime Number Generation using Genetic Algorithm	Dr. K.K.Mishra

III. List of M.Tech (SW) Thesis Completed in 2013:

Sl.No.	Name of Students/ Registration No.	Title	Supervisors
1.	Abhishek Bhatt 2010SW08	Software for homemaker budget management	Prof. M.M.Gore
2.	Ajit Shukla 2011SW05	Analysis various performance testing parameter of web application	Mr. Manoj Wariya
3.	Amit Sharma 2011SW30	Test case prioritization by applying binary PSO on activity diagram	Prof. A.K.Mishra

4.	Anju Pandey 2011SW28	Modelling stochastic aspects of publish/subscribe communication paradigm using performance evaluation process algebra	Dr. Mayank Pandey
5.	Ankita Kumar 2011SW16	DCT SVD and chaotic map based watermarking scheme for rightful ownership protection	Prof. Suneeta Agarwal
6.	Anupam Singh 2011SW13	A randomized slot size of contention window (RSSCW) based DCF Protocol	Prof. Neeraj Tyagi
7.	Apporva Singraul 2011SW15	Graph edit distance using spanning trees	Er. D.K.Yadav
8.	Brijendra Pratap Singh 2011SW21	Building Cloud : An implementers perspective	Prof. M.M.Gore
9.	Dheeraj Chawla 2011SW25	An ontology based semantic search	Dr. A.K.Singh
10.	Jasmine Minj 2011SW07	Generation & prioritization of test cases for state chart	Prof. M.M.Gore
11.	Jeetendra Kr Mishra 2011SW29	A secure & enhance steganographic technique	Mr.Rajesh Tripathi
12.	Joyeeta Negi 2011SW04	Density based clustering technique for mining spatial databases	Dr. A.K.Singh
13.	Kapil Rajput 2011SW09	A novel approach to improve the performance of GA	Dr. K.K.Mishra
14.	Kshitij Kumar 2011SW19	Moving object detection in videos using background subtraction	Prof. Suneeta Agarwal
15.	Manoj Jain 2011SW26	Minimize the size of the test suite using genetic algorithm for object oriented program	Dr.K.K.Mishra
16.	Manoj Kumar 2011SW17	Frequent term based text document clustering : A new approach	Er. D.K.Yadav
17.	Manu Dev Hembrom 2011SW10	Improving travelling salesman problem using genetic algorithm	Mr.Rajesh Tripathi
18.	Mohd. Amir Siddqui 2011SW27	Image steganography using enhanced LSB method	Mr.Sandeep Harit
19.	Mudit Sharma 2011SW08	Improved low energy Adaptive Clustering Hierarcly (IEACH) Protocol for Wireless Sensor Networks	Prof. R.S. Yadav
20.	Muneeb Hasan Khan 2011SW18	An improved ant colony algorithm for text document clustering	Dr.A.K.Singh Prof. Neeraj Tyagi.
21.	Pravin Kumar 2011SW06	Use case based approach to analyze software change impact	Dr. D.S.Kushwaha
22.	Sandeep Pandey 2011SW01	Implementation of data structure visualization tool	Dr. Mayank Pandey
23.	Sharad Kumar 2011SW14	Prioritization of test cases scenarios derived from activity diagram using binary differential evolution	Prof. A.K.Mishra
24.	Shreyas Singh	Analysis and comparison of web	Mr.Manoj Wariya

	2011SW24	scanning tool for N/W vulnerabilities	
25.	Vikash Yadav 2011SW03	Location based search & selection of Technical institutions	Prof. B.D.Chaudhary
26.	Vivek Kr Singh 2011SW02	Energy efficient resource management in real time multicore system	Prof.R.S.Yadav

IV. List of M.Tech (Software under Part Time Scheme) Thesis Completed in 2013:

Sl.No.	Name of Students/ Registration No.	Title	Supervisors
1.	Poonam Singh 2010PTSW05	Learning resources recommendation for E-learning environment using information in discussion forums	Dr.A.K.Singh
2.	Aniruddh Kr Srivastava 2009PTSW08	Performance evaluation of IEEE 802.11 a OFDM PHY with different modulation techniques	Prof. Neeraj Tyagi
3.	Abhay Kr Rai 2010PTSW09	Implementation of private cloud for storage services in campus LAN	Dr. Mayank Pandey
4.	Shailendra Kr Singh 2010PTSW12	Implementation of mobile IP test-Bed	Dr. Mayank Pandey
5.	Sandeep Kr Singh 2010PTSW13	Modeling and verification in NUSMV of interfacing incompatible process through adapter	Er. D.K.Yadav
6.	Nishant Raj 2009PTSW18	Blog recommender system	DR. A.K.Singh
7.	Vivek Kr Pandey 2010PTSW20	Highest rank based single request matching algorithm	
8.	Akhilesh Kr Singh 2009PTSW24	Simulative analysis of popular structured and unstructured P2P overlays	Dr. Mayank Pandey.
9.	Rahul Sharma 2010PTSW25	Sample space reduction and anomaly detection in endoscopic video analysis	Mr. Manoj Wariya.
10.	Kalpna Chaudhary 2009PTSW25	Text compression using adaptive character word length algorithm	Prof. Suneeta Agarwal.
11.	Nayaneesh Kr Mishra 2010PTSW29	Test case prioritization using historical data and code coverage	Dr. D.S.Kushwaha.

V. List of Publication from the Faculty Members:

International Journal

1. T. Pandey, D. Garg, and M. M. Gore, "Structured P2P Overlay of Mobile Brokers for Realizing Publish/Subscribe Communication in VANET," *Scientific World J., Hindawi Publishing Corporation*, vol. 2014, p. 12, 2014. (Impact factor: not available).
2. S. Agarwal, D. Singh, and S. Shivani, "Quantization-based fragile watermarking using block-wise authentication and pixel-wise recovery scheme for tampered image," *Int. J. of Image and Graphics*, vol. 13, 2013. (Impact factor: not available).

3. N. Bhardwaj and S. Agarwal, "A new technique for extracting image information beyond visibility," *Int. J. of Information and Computation Technology*, vol. 3, pp. 539-548, 2013. (Impact factor: not available).
4. K. Chaudhary and S. Agarwal, "Text compression using adaptive character word length algorithm," *Int. J. of Systems, Algorithms & Applications*, vol. 3, pp.187-189, 2013. (Impact factor: not available).
5. K. Kumar and S. Agarwal, "An efficient hierarchical approach for background subtraction and shadow removal using adaptive gmm and color discrimination," *Int. J. of Computer Applications*, Published by Foundation of Computer Science, New York, USA, vol. 75, p. 1, 2013. (Impact factor: not available).
6. P. Singh and S. Agarwal, "A visual cryptography based Watermarking scheme incorporating the concepts of homogeneity analysis and singular value decomposition," *Int. J. of Computer Application*, vol. 80, pp. 1-9, 2013. (Impact factor: not available).
7. S. Shivani, S. K. Raut, D. Singh, and S. Agarwal, "Hybrid approach for image protected shares based on visual cryptography and fragile watermarking scheme," *Int. J. of Information and Computation Technology*, vol. 3, pp. 893-900, 2013. (Impact factor: not available).
8. M. Gangwar, R. B. Mishra, and R. S. Yadav, "Intelligent Computing Model for the Interpretation of Neuropsychiatric Diseases Based on Rbr-Cbr-Ann Integration," *Int. J. of Computers & Technology*, vol. 11, pp. 2490-2511, 2013. (Impact factor: not available).
9. A. Kumar and N. Tyagi, "A Novel Energy Aware Data Dissemination Routing Protocol for WSN," *Int. J. of application or innovativation in engineering & managements*, vol. 2, 2013. (Impact factor: not available).
10. A. Kumar, N. Tyagi, V. Kumar, and P. Singh, "A Study of Backbone Based Approaches Use for Data Dissemination in Wireless Sensor Network: A Survey," *Int. J. of Innovative Technology and Exploring Engineering*, vol. 2, pp. 2278-3075, 2013. (Impact factor: not available).
11. A. Kumar and N. Tyagi, "Performance Analysis of AODV, CBRP, DSDV and DSR MANET Routing Protocol using NS2 Simulation," *Int. J. Computer Network and Information Security*, vol. 9, pp. 45-50, 2013. (Impact factor: not available).
12. R. S. Shukla and N. Tyagi, "Routing Algorithm for Heterogeneous Wireless Network in VANET," *IOSR J. of Computer Engineering*, vol. 13, pp. 68-77, 2013. (Impact factor: not available).

13. R. S. Shukla and N. Tyagi, "Global mobility and Handover management for heterogeneous network in VANETs," *Int. J. of Next-Generation Networks*, vol. 5, 2013. (Impact factor: not available).
14. A. Sharma, M. Vardhan, and D. S. Kushwaha, "A Versatile Approach for the Estimation of Software Development Effort Based on SRS Document," *Int. J. of Software Engineering and Knowledge Engineering*, vol. 24, pp. 1-42, 2014. (Impact factor: not available).
15. S. Pippal and D. S. Kushwaha, "A Simple, Adaptable and Efficient Heterogeneous Multi-Tenant Database Architecture for Ad hoc Cloud," In *Springer J. of Cloud Computing: Advances, Systems and Applications*, vol. 2, 2013. (Impact factor: not available).
16. M. Vardhan, S. Mallick, S. Mishra, and D. S. Kushwaha, "A Demand Based Load Balanced Service Replication Model," In *Global Science and Technology Forum, J. on Computing*, vol. 2, 2013. (Impact factor: not available)
17. A. Kumar, "Improving the Fault Detection Capability of Test suite Using Elitist Genetic Algorithm," In *J. of Academia Publishing, U.K.*, 2013. (Impact factor: not available).
18. A. Kumar, "A Novel approach for minimizing and prioritizing test suite," In *Int. J. Engineering Science Letters*, vol. 2014, 2014. (Impact factor: not available).
19. P. Dwivedi and K. K. Bharadwaj, "Effective Trust-aware E-learning Recommender System Based on Learning Styles and Knowledge Levels," *J. of Educational Technology & Society (SSCI, DBLP), IEEE Educational Forum*, vol. 16, pp. 201-216, 2013. (Impact factor: not available).
20. P. Dwivedi and K. K. Bharadwaj, "e-Learning Recommender System for a Group of Learners Based on the Unified Learner Profile Approach," *Expert System (SCI, DBLP), Wiley Publishing*, vol. 55, 2013. (Impact factor: not available).
21. S. Srivastava, G. C. Nandi, "Self Reliant Mobile Code: A new direction of agent driven security," *J. of computer and network security Elsevier science*, vol. 37, pp. 62-75, 2014. (Impact factor: not available).
22. S. Srivastava, G. C. Nandi, "Fragmentation based encryption approach for self-protected mobile code," *Elsevier J. of communication and information science*, vol. 26, pp. 131-142, 2013. (Impact factor: not available).
23. Rajitha B., "Performance of Web Services on Smart Phone Platforms," *J. of Computer Engineering (IOSR-JCE)*, vol. 14, pp 88-98, 2013. (Impact factor: not available).

International/National Conference:

1. S. B. Nikam and S. Agarwal, "Contourlet-based fingerprint anti spoofing," *3rd Int. Conf. on Computer Science, Engineering and Applications*, pp. 153-160, 2013.
2. K. Chaudhary and S. Agarwal, "Text compression using adaptive character word length algorithm," *2nd Int. Conf. on Recent Advances in Sciences and Engineering*, pp. 187-189, 2013.
3. N. Gupta and S. Agarwal, "Presented: a new dynamic data structure for dictionary with efficient insertion and searching (variant of the classified multis_u_x trie)," *2nd Int. Conf. on Advances in Computer Science and Application*, pp. 66, 2013.
4. P. Singh and S. Agarwal, "A hybrid dct-svd based robust watermarking scheme for copyright protection," *Int. Conf. on Emerging Trends in Engineering and Technology*, pp. 12-16, 2013.
5. S. Shivani, D. Singh, and S. Agarwal, "Dct based approach for tampered image detection and recovery using block wise fragile watermarking scheme," *6th Iberian Conf. on Pattern Recognition and Image Analysis*, 2013.
6. D. Singh, S. Shivani, and S. Agarwal, "Self-embedding pixel wise fragile watermarking scheme for image authentication," *2nd Int. Conf. on Intelligent Interactive Technologies and Multimedia*, 2013.
7. A. Biswas, K. K. Mishra, "Particle Swarm Optimization with Cognitive Avoidance Component" *In ICACCI 2013 IEEE Computer society Sponsored*, held at Mysore, India, 2013.
8. K. K. Mishra, S. Tiwari, and A. K. Misra, "Test Case Generation for Modified Code Using a Variant of Particle Swarm Optimization Algorithm," *Proc. of the 10th Int. Conf. on Information Technology: New Generations*, India, pp. 363-368, 2013.

Other Achievements:

1. Department organized International Conference on computer and communication Technology (ICCCT) on Sept. 20-22, 2013.
2. Department organized two days Workshop on review and update syllabus for B.Tech. (CS), B.Tech. (IT) and MCA on June, 2013.

10.7 DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

I Vision

The vision of the Electronics and Communication Engineering Department is to become a globally leading department of higher learning, building upon the culture, the values of universal science and contemporary education, and a center of research and education generating the knowledge and the technologies which lay the groundwork in shaping the future in the fields of Electronics and Communication Engineering.

II Mission

The mission of the Electronics and Communication Engineering Department is to provide quality education and research leading to B.Tech., M.Tech. and Ph.D. degree in the area of Electronics and Communication Engineering and Technology which may produce globally acceptable high quality skilled manpower. To impart technical education which may provide innovative skills in their respective area of specialization for society in general with universal moral values, adherent to the professional ethical codes. To generate and disseminate knowledge and technologies essential to the local and global needs in the field of Electronics and Communication Engineering.

III a) Courses Run by Department:

1. B.Tech in Eelectronics and Communication Engineering
2. M.Tech in:
 - (i) Electronics (Digital System)
 - (ii) Microelectronics and VLSI Design
 - (iii) Electronics (Communication Engineering)

b) Courses in which students were admitted in 2013-2014:

1. B.Tech in Eelectronics and Communication Engineering
2. M.Tech in:
 - (i) Electronics (Digital System)
 - (ii) Microelectronics and VLSI Design
 - (iii) Electronics (Communication Engineering)

IV List of Ph. D. Thesis Completed:

Sl. No.	Name of Student (Reg. no.)	Thesis title	Supervisor(s)
1.	Richa Negi 2006REE05	Stability analysis of linear discrete systems with actuator saturation	Prof. Shubhi Purwar (EED) Prof. Haranath Kar (ECED)
2.	Priyanka Kokil 2010REL04	Criteria for the global asymptotic stability of discrete systems under the influence of nonlinearity and/or	Prof. Haranath Kar Dr. V. K. Rao Kandavli

		delay	
3.	Anurita Dey 2008REL08	LMI-based approach for stability analysis of 2-D discrete systems in presence of uncertainty, nonlinearity and delay	Prof. Haranath Kar
4.	Arvind Kumar 2006REL09	QoS Routing Protocol for Wireless Ad hoc Networks	Prof. Rajeev Tripathi
5.	Sanjeev Rai	Leakage control mechanism and low power design techniques for high speed VLSI Circuits and devices	Prof. S. Tiwari Dr. R. A. Mishra
6.	Vinay Kr. Deolia 2008REL04	Intelligent Controller Design for Discrete-Time Nonlinear Systems Using Backstepping Technique	Prof. Shubhi Purwar (EED) Prof. T. N. Sharma (ECED)
7.	Sushila Kamble 2008RCS03	Imperceptibility and Robustness Improvement in Digital Image Watermarking	Prof. V. K. Srivastava ECED Prof. S. Agarwal, CSED

V List of M. Tech Thesis Completed:

Sl. No.	Name of Student (Reg. No.)	Thesis Title	Supervisor(S)
1.	Puneet Kumar Mishra 2011VL17	Analysis of Graphene based Tunnel Field Effect Transistor	Prof. P. Chakrabarty
2.	Gaurav Saraswat 2011VL18	Fabrication and characterization of ZnO thin film grown by thermal evaporation and simulation of ZnO based Thin film transistor	Prof. P. Chakrabarty
3.	Sagar Kumar 2011EL26	ICI Reduction in OFDM System Using Pulse Shaping Technique	Prof. S. Tiwari
4.	Anudeep Surasani 2011VL15	Current calculation on VLSI Signal Interconnects for Electromigration reliability	Prof. Rajeev Tripathi
5.	Deepti Singh 2011VL07	Analysis of supply Noise induced jitter in high-speed interfaces	Prof. Rajeev Tripathi
6.	Rashi 2011EL09	Design and Development of checkout test system for multiplexed input data acquisition unit	Prof. Rajeev Tripathi
7.	Rohan Baragalli 2011EL21	Design And Implementation of Modified Iterative Logarithmic Multiplier For Low-Power And Area-Efficient Applications	Prof. Haranath Kar
8.	Shiva Jaiswal 2011EL03	Stability Analysis of Fixed-Point State-Space Digital Filters With Saturation Arithmetic	Prof. Haranath Kar
9.	Anil Nagarjuna Chilli 2011EL22	REMEZ Exchange Algorithm on Third Basis Function For The Design of Two-Channel Quadrature Mirror Filter Bank	Prof. Haranath Kar
10.	Om Prakash Singh 2010EL18	Design of Reduced Complexity FIR Filters Using MLSE Method	Prof. Haranath Kar
11.	Bharat Kr. Singh 2011EL33	Filtering Techniques for Reduction of Blocking Artifact from DCT Compressed Images	Prof. V.K. Srivastava
12.	Ajay Garg	A Reliable and Robust Digital	Prof. V.K. Srivastava

	2011EL12	Watermarking based on Quantization in DWT Domain	
13.	Navneet Singh 201130	SVD Based Robust Digital Image Watermarking Scheme for Protecting Rightful Ownership	Prof. V.K. Srivastava
14.	Sumit Pratap Singh 2011VL02	Optimization And Estimation Of Dynamic Power And Delay of CMOS Circuits Using Logical Effort	Prof. V. Bhadauria
15.	Mayank Gupta 2011VL27	Optimization of Static CMOS Circuits Using Logical Effort Considering Environmental Parameter Variations	Prof. Vijaya Bhadauria
16.	Ravi Rastogi 2011EL28	Analysis of COSH Window Function and its Applications	Prof. Amit Dhawan
17.	Deepak Kumar 2011EL32	Analysis of Impulse Response of Fractional Order Filters	Prof. Amit Dhawan
18.	Satyendra Kushwaha 2011EL31	Digital Parametric Equalizer design for Analog Modeling	Prof. Amit Dhawan
19.	Sanchit Singhal 2011VL22	Comparative study of double gate SOI FINFET and Trigate Bulk Mosfet for VLSI design	Prof. R.K. Nagaria
20.	Y Krishna Mohan 2011VL23	Design and implementation of fully static domino system suitable for Low-Power wide Fan-In logic circuits	Prof. R.K. Nagaria
21.	Sujeet Kumar 2011VL19	Design and simulation of dynamic circuits using footed diode domino logic for high performance VLSI applications.	Prof. R.K. Nagaria
22.	Jitendra Singh 2011EL24	Ris based multiband microstrip patch antenna using different fractal geometries	Dr V. S. Tripathi
23.	Purshottam Lal Nagar 2011EL04	Design of u-shaped microstrip patch antenna based on ris for bluetooth applications	Dr V. S. Tripathi
24.	D. Bhanu Chandar 2011VL20	Vertical surrounding Gate MOSFET with Electrically induced source /drain Extension	Dr R. A. Mishra
25.	Alok Kumar 2011VL16	Comparative analysis of standard finFET and dual threshold independent gate FinFET with Bottom spacer	Dr R. A. Mishra
26.	S.Kumar Verma 2011VL06	Optimization of 3-D Power Supply Networks using distributed TSV topology	Dr R. A. Mishra
27.	Priyanka Srivastava 2011VL01	Design And Implementation of Bypass Multiplier For Low Power VLSI Applications	Dr. Arvind Kumar
28.	Yegendra Singh 2011VL12	E-TSPC Based Low Power Divided By 2/3 Counter Using Pass Transistor	Dr. Arvind Kumar
29.	Amit Kumar Shukla 2011VL03	Design of Low Power VLSI Circuits Using Energy Efficient Adiabatic Logic	Dr. Arvind Kumar
30.	Abhishek Rai 2011VL26	Implementation of a Two Phase clocked full adder circuits based on positive feedback adiabatic logic for low power VLSI	Sri Rajeev Gupta

31.	Apoorva Dwivedi 2011EL16	Peak to average power ratio (PAPR) reduction in proceeded orthogonal frequency division multiple Accesses (OFDMA)	Sri Rajeev Gupta
32.	Vivek Mishra 2011VL11	Low Power Static Switching Wide Fan-In Domino Circuit Design	Dr. V. Krishna Rao K
33.	Vaishali Sahu 2011EL07	Improvement In Beacon Enabled IEEE 802.16.4 Wireless Personal Area Network	Dr. V. Krishna Rao K
34.	D. Nageswara Rao 2011EL25	Design of Perfect Reconstruction M-Channel Cosine Modulated Filter Bank Using Exponential Window	Dr. V. Krishna Rao K
35.	Chandrhash Kumar 2011EL23	Volumetric Medical Image Compression Using Improved 3-D SPIHT	Dr. Basant Kumar
36.	Shishu Bind Kumar 2011EL01	Development Of Robust Image Watermarking Through Dual Watermarking Approach	Dr. Basant Kumar
37.	Hari Pratap Gautam 2011EL17	Automated Glaucoma Detection Techniques Using Fundus Images	Dr. Basant Kumar
38.	Kundan Rathore 2011EL06	PAPR reduction in OFDM by unitary Matrix transformation	Sri Asim Mukherji
39.	Winner Parayil 2011EL19	PAPR reduction in OFDM by interleaving technique using Hexagonal constellation	Sri Asim Mukherji
40.	Jayant Kumar Tiwari 2011VL13	Design of Dynamic CMOS Ex-OR / Ex-NOR Gate For Low Leakage Power Application	Dr. Manish Tiwari
41.	Rishabh Srivastava 2011EL18	Group delay reduction in FIR Filter with small relative error	Dr. Manish Tiwari
42.	Sandeep Singh 2011VL21	Design And Simulation of High Speed Boot –Strap CMOS Invertor	Dr. Manish Tiwari
43.	Archana Verma 2011VL14	Comparative Study of Fault Modelling for SG-mode and LP-mode Inverter	Dr. Sanjeev Rai
44.	Purshpa Giri 2011VL24	Design and analysis of ULL Circuits for high performance FinFET Applications	Dr. Sanjeev Rai
45.	Shilpa Singh 2011VL25	Layout Based ESD Analysis and Verification of SoC Design	Dr. Sanjeev Rai

VI Publication in Journals *International*:

1. G. M. Ali and P. Chakrabarti, "Fabrication and characterization of nanostructure thin film ZnO schottky contacts based UV photodetectors," *Proc. SPIE 8816, Nanoengineering: Fabrication, Properties, Optics, and Devices X, 88160H*, 2013. (Impact Factor: 0.783).
2. S. Singh and P. Chakrabarti, "Comparison of the structural and optical properties of ZnO thin films deposited by three different methods for optoelectronic applications," *Superlattice and Microstructures*, vol. 64, pp. 283-293, 2013. (Impact Factor: 1.295).

3. S. Kumar, R.U. Khan, and P. Chakrabarti, "Characterization of Pd/TiO₂/Si MIS sensors for hydrogen detection," *Sensor Letters*, vol.11, pp. 1950-1955, 2013. (Impact Factor: 1.587).
4. S. Singh and P. Chakrabarti, "Theoretical and experimental studies of characteristics of ZnO TFTs," *J. of Electron Devices*, vol.18, pp. 1543-1548, 2013. (Impact Factor: not available).
5. C. Periasamy and P. Chakrabarti, "Effect of temperature on the electrical characteristics of nanostructured n-ZnO/p-Si heterojunction diode," *Science of Advanced Materials*, vol-5, pp. 1384-1391, 2013. (Impact Factor: 2.509).
6. S. Kumar, R.U. Khan, and P. Chakrabarti, "Fabrication and characterization of Pd/TiO₂/Si MIS structure with TiO₂ film as insulator layer deposited by low temperature arc vapor deposition process," *Advanced Science Focus*, vol.1, pp. 156-161, 2013, (Impact Factor: not available)
7. S. Singh and P. Chakrabarti, "Optical characterization of ZnO thin films grown by thermal oxidation of metallic zinc," *Advanced Science, Engineering and Medicine*, vol.5, pp. 677-682, 2013. (Impact Factor: not available).
8. A. K. Shankhwar, S. Sharma, A. Prakash, and R. Tripathi, "Fast converging generalized turbo decoding scheme with enhanced throughput for mobile radio," *Communication and Network*, vol. 5, pp. 9-15, 2013. (Impact factor: not available).
9. Md. Iftexhar, A. K. Shankhwar, A. Prakash, and R. Tripathi, "Performance evaluation of adaptive modulation based MC-CDMA system," *Wireless Engineering and Technology*, vol. 4, no. 1, pp.54-58, 2013. (Impact factor: not available).
10. S. Singh, A. Prakash, and R. Tripathi, "QoS Bandwidth estimation scheme for delay sensitive applications in MANETs," *Communication and Network, SCIRP, USA*, vol.5, pp.1-8, 2013. (Impact factor: not available).
11. S. Singh, A. Prakash, and R. Tripathi, "Bandwidth constrained priority-based routing algorithm for mobile Ad Hoc networks," *IJCNS, SCIRP, USA*, vol. 7, pp.141-150, 2014. (Impact factor: not available).
12. S. Singh and R. Tripathi, "Optimization in route discovery delay for Integrated MANET with internet using extended AODV," *Int. J. of Computer Applications*, vol. 65, 2013. (Impact factor: not available).
13. H. Kar, "A note on the improved LMI-based criterion for global asymptotic stability of 2-D state-space digital filters described by Roesser model using two's complement overflow arithmetic," *Digital Signal Processing*, vol. 23, pp.1767-1772, 2013. (Impact factor: 1.495).

14. V. Krishna Rao K. and H. Kar, "Delay-dependent stability criterion for discrete-time uncertain state-delayed systems employing saturation nonlinearities," *Arabian J. for Science and Engineering*, vol. 38, pp. 2911-2920, 2013. (Impact factor: 0.367).
15. S. K. Tadepalli, V. Krishna Rao K., and H. Kar, "Comment on stability analysis and controller synthesis for discrete linear time-delay systems with state saturation nonlinearities," *Int. J. of Systems Science*, DOI: 10.1080/00207721.2013.879235, Published online: 20 Jan. 2014. (Impact factor: 1.579).
16. P. Kokil, V. K. Rao K., and H. Kar, "Delay-partitioning approach to stability of linear discrete-time systems with interval-like time-varying delay," *Int. J. of Engineering Mathematics*, p. 07, 2013. (Impact factor: not available).
17. S. K. Tadepalli, V. Krishna Rao K., and H. Kar, "Stability criteria for uncertain discrete-time systems under the influence of saturation nonlinearities and time-varying delay," *ISRN Applied Mathematics*, p. 10, 2014. (Impact factor: not available).
18. S. Jain, V. S. Tripathi, and S. Tiwari "Bandwidth allocation based on traffic load and interference in IEEE 802.16 mesh networks" *J. of Engineering, Hindwai Publishing Corporation*, vol. 2013, p. 07, 2013. (Impact factor: not available).
19. Karuppanan P., and K. K. Mahapatra, "Active power line conditioners for power quality enhancement," *Int. J. of Power Electronics, Inderscience*, vol.5, pp. 262-279, 2013, (Impact Factor: 1.95).
20. Karuppanan P. and K. K. Mahapatra, "Digital non-linear controller based active power filter for harmonic compensation," *IETE J. of Research*, vol. 59, pp.302-311, 2013, (Impact Factor: 0.2).
21. Y. Prajapati, J. P. Saini, D. S. Chauhan, and V. Singh, "Effect of plasma on modal dispersion characteristic of elliptical bragg waveguide" *Int. J. of Optoelectronics Review*, Springer publication, vol. 22, pp.16-23, 2014. (Impact factor: 1.279).
22. Y. Prajapati, V. Singh, and J. P. Saini, "Modal dispersion analysis of elliptical dielectric bragg waveguide having M type refractive index profile," *Int. J. for Light and Electron Optics (OPTIK), Elsevier Publication Germany*, vol. 124, pp.1736-1740, 2013. (Impact factor: 0.769).
23. Y. Prajapati, A.Yadav, V. Singh, and J. P. Saini, "Effect of metamaterial layer on optical surface plasmon resonance sensor" *Int. J. for Light and Electron Optics*, Elsevier Publication Germany, vol. 124, pp.3607-3610, 2013. (Impact factor: 0.769).

24. J. B. Maurya, Y. Prajapati, V. Singh, and J. P. Saini, "Effect of cladding layers on the mode of circular optical waveguides," *Int. J. for Light and Electron Optics, Elsevier Publication Germany* volume-124, pp.1066-1069, 2013. (Impact factor 0.769).
25. S. K. Gupta and S. Baishya, "Analog and rf performance evaluation of dual metal double gate high-k stack (DMDG-HKS) MOSFETs," *J. of Nano- and Electronic Physics*, vol. 5, pp. 8, 2013. (Impact factor: 0.305).
26. S. K. Gupta and S. Baishya, "TCAD analysis of a novel junctionless triple metal cylindrical surround gate (JLTM CSG) MOSFET," *ISCA Research J. of Recent Sciences*, vol. 2 pp. 1-9, 2013. (Impact factor: not available).
27. S. K. Gupta and S. Baishya, "Subthreshold modeling of cylindrical surrounding gate MOSFETs including the fringing field effects," *IOP J. of Semiconductors Earlier Chinese J. of Semiconductors*, vol. 34, pp. 074001-6, 2013. (Impact factor: 0.315).
28. B. Kumar, A. Mohan, and S. Pathak, "Soft handover probability determination considering new direction of motion," *J. of Communications and Networks, Scientific Research publishing*, vol. 5, pp. 178- 183, 2013. (Impact factor: not available).
29. R. Singh and V. K. Srivastava, "Weighted non-linear diffusion filtering with wavelet thresholding in image denoising," *Int. J. of Computer Applications*, vol. 78, 2013. (Impact factor: not available).
30. R. Singh and V. K. Srivastava, "Optimization of gradient threshold parameter in feature preserving anisotropic diffusion for image denoising," *Int. J. of Innovative Research in Science, Engineering and Technology*, vol. 3, 2014. (Impact factor: not available).
31. F. Thakkar and V. K. Srivastava, "Pathological image compression scheme: A Literature Review," *Int. J. Computer Technology & Applications*, vol. 5, pp. 622-629, 2014. (Impact factor: not available).
32. M. Tiwari and A. Dhawan, "Optimal guaranteed cost control of uncertain 2-D discrete systems with both shift-delays and input delays via memory state feedback," *Transactions of the Institute of Measurement and Control*, vol. 35, pp. 491-502, 2013. (Impact factor 0.736).

VII Publication in Journal National: Nil

VIII Publication in Conferences:

For Published Conference Proceedings:

- 1 V. Sahu, G. Sharma, and V. K. Rao Kandavli, "Selective duty cycle algorithm for beacon-enabled low rate wireless personal area networks," in *IEEE Int. Conf. on Control, Computing, Communication and Materials*, Allahabad, India, pp. 01-05, 2013.
- 2 Y. Prajapati, J.B.Maurya, V. Singh, and J.P.Saini, "Effect of eccentricity on dispersion of W-type elliptical fibers," *IEEE Int. Conf. on Microwave and Photonics (ICMAP2013)*, organized by Indian School of Mines, Dhanbad, India, Dec. 13-15, 2013.
- 3 S. K. Gupta and S. Baishya, "Analog and rf performance evaluation of a novel junctionless triple metal cylindrical surround Gate (JLTM CSG) MOSFET," *IEEE India Conf. (INDICON- 2013)*, IIT Bombay, India, 2013.
- 4 S. K. Gupta and S. Baishya, "Effect of high-k gate materials on the analog and RF performance of double metal double gate (DMDG) MOSFETs," *IEEE India Conference*, IIT Bombay, India, 2013.
- 5 B. Kumar, S. B. Kumar, and C. Kumar, "Development of improved SSIM quality index for compressed medical images," *ICIP-2013*, JUIT, Wagnaghat, Shimla, India, pp. 251-255, 2013.
- 6 S. Pathak and B. Kumar, "Performance evaluation of routing protocols for sending healthcare data over WiMAX network," *Proc. SPIN-2014*, Amity, Noida, India, pp. 269-273, 2014.
- 7 D. Bhanuchander, V. Narendar, A. Kumar, and R. A. Mishra, "Suppression of short channel effects (SCEs) by dual material gate vertically surrounding gate (DMGVSG) MOSFET: 3-D TCAD simulation," *Int. Conf. on Design Manufacturing*, IITD & M Kancheepuram, Chennai, India, 2013. (Procedia ELSEVIER).

Papers Presented at Conferences:

- 1 C. Periasamy, P. Sreenath and P. Chakrabarti, "Piezoelectric Nanogenerator Based on ZnO nanostructures for self-powering nanodevices," presented at *Materials Challenges in Alternative and Renewable Energy* organized by the American Ceramic Society, at Clearwater Beach, Hilton Clearwater Beach Resort, Florida USA during Feb. 17-20, 2014.
- 2 R. Kushwaha and V. K. Rao Kandavli, "Design of CMOS adder cell for low-energy applications," presented at the *Int. Conf. on Control, Computing, Communication and Materials*, Allahabad, India, 2013.

IX Patents: Nil

X Reviewer in International Journals:

Sl. No.	Faculty Name	Journal Name
1.	Prof.P.Chakrabarti	IEEE Sensors and actuators, Journal of Nanoscience and Nanotechnology, Advanced Materials,IEEE Electron Devices.
2.	Prof. H. Kar	IEEE Transaction on Circuits and Systems II, Digital Signal Processing, Signal Processing, Nonlinear Dynamics,
3.	V. K. Rao Kandavli	Journal of Engineering (Hindawi)
4.	Dr. P. Karuppanan	ISA Transaction
5.	Dr. Yogendra Kumar Prajapati	International Journal Infrared Physics and Technology, Elsevier Publication Progress in Electromagnetic Research (PIER), USA
6.	Dr. Santosh Kumar Gupta	Semiconductor Science and Technology, IOP (IMPACT FACTOR: 2.206, 2013) Microelectronics Journal, Elsevier (IMPACT FACTOR: 0.924, 2013) Journal of Computational Electronics, (IMPACT FACTOR: 1.372, 2013) Journal of The Institution of Engineers (India): Series B, Springer Reviewer of VLSICs Journal
7.	Dr. Shweta Tripathi	Journal of Nanoelectronics and Optoelectronics
8.	Dr. Basant Kumar	British Journal of Mathematics & Computer Science, Sciencedomain International
9.	Prof. Amit Dhawan	Transactions of the Institute of Measurement and Control

XI Book(s)/Book(s) Chapter(s) Authored:

Sl.No.	Faculty Name (Author/Co-author)	Book	Book Chapter	Publisher
1	Dr. P. Karuppanan	Active Power Line Conditioner	6-chapter	Lambert Academic Publishing

XII Conference/Workshop/Short Term Course Organized by department:

Sl. No.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month & Year
1.	One Week Short Term Course on Mobile, Ad hoc and Vehicular Communication MAVECOM-2013	Prof. Rajeev Tripathi, Coordinator Dr. Arun Prakash, Coordinator Dr. Y. K. Prajapati	July 22-27, 2013
2.	Summer Training Programme on VLSI Design and Embedded Systems	Prof. Vijaya Bhadauria, Coordinator Dr. V. K. Rao, Co-coordinator Mr. V. Nartendra, Co-coordinator	June 11-13, 2013
3.	One Week Short Term Course on 3G Wireless Networks, MIMO Systems and Antenna Design	Dr. V S Tripathi Coordinator Dr. Arun Prakash, Coordinator Dr. Y K Prajapati, Coordinator	July 08-13, 2013
4.	Advance Embedded System & Microelectronics (AESM-2013),	Dr. Arvind Kumar, Coordinator Dr. Sanjeev Rai, Coordinator	July 15-19 2013

5.	ISTE main workshop on Signals & Systems	Dr. Basant Kumar, Coordinator V. Krishna Rao Kandavli, Teaching Assistant	Jan 02-12, 2014
6.	Workshop on scientific contributions of Dr. Jagadish Chandra Bose	Dr. Basant Kumar, Coordinator	Dec. 23, 2013
7.	Workshop on scientific contributions of Acharya Prafulla Chandra Ray	Dr. Basant Kumar, Coordinator	Dec. 24, 2013

XIII Invited Lectures Delivered:

1. A lecture delivered by Prof. P. Chakrabarti, “Microelectronics: From Vacuum Tubes to Carbon Nanotubes” Plenary Talk delivered at the Recent trends in Semiconductor Devices held at NIT Agartala, on Feb. 28, 2014.
2. A lecture delivered by Dr. V. Krishna Rao Kandavli on the topic “Instability phenomena in discrete-time systems” at Andhra University, Visakhapatnam on Aug. 31, 2013.

XIV Invited Lectures Organized : *Nil*

XV Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme:

1. Prof. H. Kar as coordinator organized short term course entitled “Recent Trends in Nonlinear Systems and Dynamics (RTNSD-2013),” during June 10-14, 2013 organized by Electrical Engineering Department.
2. Prof. H. Kar as coordinator organized short term course entitled “Advance Control Systems,” during July 8-12, 2013 organized by Electrical Engineering Department.
3. Dr. Basant Kumar as Coordinator organized Workshop on scientific contributions of Acharya Jagadish Chandra Bose & Acharya Prafulla Chandra Ray during Dec. 23-24, 2013, organized at MNNIT Allahabad.
4. Dr. Shweta Tripathi as Coordinator organized Workshop on scientific contributions of Acharya Jagadish Chandra Bose & Acharya Prafulla Chandra Ray during Dec. 23-24, 2013 organized at MNNIT Allahabad.
5. Dr. Shweta Tripathi as Coordinator organized Workshop on multi physics simulation using COMSOL during Jan. 8, 2014 organized at MNNIT Allahabad.
6. Dr. Shweta Tripathi as Coordinator organized Short term training programme on self defense during Oct. 22-27, 2013 organized under the aegis of Women Grievance cell MNNIT Allahabad.

XVI Conferences/Workshops/Short-Term Courses/Training Programme Attended:

1. Dr. P. Karuppanan Participated National Workshop on FPFA Implementation of Image Processing Algorithm using Xilinx System Generator Tool, Organized by Karpagam College of Engineering, Coimbatore, India, Oct. 2013.
2. Mr. Mohmmad Kaifi attended Workshop on Atomistix Toolkit and Virtual Nanolab by Quantumwise A/S held at JNU, New Delhi India, on Jan. 15, 2014.
3. Dr. Y. K. Prajapati International Conference on Microwave and Photonics (ICMAP2013), organized by Indian School of Mines, Dhanbad, India, Dec. 13-15, 2013.
4. Dr. Shweta Tripathi attended Sensitization Workshop on Intellectual Property Rights at IPR Cell MNNIT Allahabad, India, during Feb. 6-7, 2014.
5. Dr. Shweta Tripathi attended Two week ISTE workshop on Signals & Systems (Workshop held under NMEICT) at Indian Institute of Technology Kharagpur Remote Centre MNNIT Allahabad), India, during Jan. 2-12,2014
6. Dr. Shweta Tripathi attended Training workshop in Pedagogy, at MNNIT Allahabad, India, during July 6-7, 2013.
7. Dr. Basant Kumar attended One-Week Coordinators Workshop on Signals and Systems at IIT Kharagpur, India, during Sept. 30 to Oct.04, 2013.

XVII Research Projects Ongoing/Completed:

Sl. No.	Principal Investigator/Co investigator(s)	Project Title	Funding Agency	Amount (INR in Lacs)	Duration (Status)
1.	Prof. P. Chakrabarti	Design and Develop-ment of Low-cost Plastic	ER & IPR, DRDO	35.00	Ongoing
2.	P. Karuppanan	Embedded FPGA controller based active power line conditioners for industrial electronics	TEQIP-II Grant of MNNIT Ref.No: 146/R&C/13-14	5.33	Sept. 02, to till date
3.	Y.K.Prajapati	Design and Study of Sensitivity of optical biosensors having Metamaterials	Science and Engg. Research Board, Department of Sci. & Tech., New Delhi, India	23.39	Sept. 2013
4.	Y.K.Prajapati	Design of biosensors using metal clad for sensing application	MNNIT, Allahabad, under TEQIP-II	3.00	Sept. 2013
5.	Y.K.Prajapati	Simulation and numerical analysis of optical	MNNIT, Allahabad, under	2.00	Aug. 2013

		microstructure fibers: Dispersion characteristic	Plan grant		
6.	Shweta Tripathi	Fabrication of Nanostructured bioelectrode	TEQIP-II, MNNIT Allahabad	3.54	2/09/2013

XVIII Other Relevant Information to be incorporated in Annual Report:

1. Prof. H. Kar is working as a member of editorial board of Journal of Engineering.
2. Prof. H. Kar is working as a member of editorial board of Mathematical Problems in Engineering.
3. Mr. Asim Mukherjee is the coordinator of Institute tecno-management fest 'Avishkar' and Cultural fest 'Culrav'.
4. Prof. Amit Dhawan Listed in Marquis's Who's Who in the World, USA

10.8 DEPARTMENT OF ELECTRICAL ENGINEERING

I. Mission

- Development of state of art lab facilities for research and consultancy.
- Development of relevant content for quality teaching.
- Development of infrastructure and procurement of cutting edge tools/equipment's.
- Improving symbiotic relationship with Industry for collaborative research and resource generation.

Vision

To produce globally competitive technical manpower with sound knowledge of theory and practice, with a commitment to serve the society and to foster cutting edge research in Electrical Engineering pertaining to the problems currently faced by the country and the world.

II. Courses Run by Department:

Courses for Under Graduate programs:

B. Tech. (Electrical Engineering).

Courses for Post Graduate programs:

M. Tech. (Control and Instrumentation).

M. Tech. (Power System).

M. Tech. (P E N and D).

III. Under Graduate program:

Program	Description
B.Tech in Electrical Engineering	Started with 50 seats in 1961, Intake increased to 79 in 2009

IV. Post Graduate :

Program	Description
M.Tech in Control & Instrumentation/ Power Systems	Started with 10 seats in 1971, Intake increased to 25 in 2009
M.Tech in Power Electronics & ASIC Design	Started with 25 seats in 2002, Intake increased to 36 in 2009

V. Doctoral degree:

Program	Description
Doctor of Philosophy	Started in the year 1971. Started Ph. D program under QIP in 2002. Present intake: Regular- 6, QIP- 2, TEQIP- 3, Faculty & Project Staff of MNNIT- As per need

VI. List of Ph. D Thesis Completed:

Sl.No.	Name of Student (Reg. no.)	Thesis title	Supervisor(s)
1.	Shashi Kant Pandey	Frequency regulation in hybrid power system	Dr.S.R.Mohanty Dr.Nand Kishor
2.	Paulson Samuel 2005REE04	Converter Topologies and Modulation Techniques for full-rated converter based wind energy conversion system	Dr. Rajesh Gupta Dr.Dinesh Chandra
3.	R. S. Bajpai 2007REE02	Modeling and control of wind energy conversion system for voltage and power flow control using vsc based shunt and series controllers	Dr. Rajesh Gupta
4.	Richa Negi 2006REE05	Stability analysis of linear discrete systems with actuator saturation	Prof. Shubhi Purwar Prof. H.N. Kar
5.	Paulson Samuel 2005REE04	Converter topologies and modulation methods for full-rated converter based wind energy conversion system	Dr. Rajesh Gupta Dr. Dinesh Chandra
6.	Ram Sharan Bajpai 2007REE02	Modeling and control of wind energy conversion system for voltage and power flow control using VSC based Shunt and Series Controllers	Dr. Rajesh Gupta
7.	Vinay Pratap Singh 2009REE05	Stable approximants and controller design for interval systems	Dr. Dinesh Chandra
8.	Rambir Singh 2008REE05	Artificial intelligence techniques for the control of shunt active power filter	Dr. A.K. Singh
9.	Sanjay Kumar Maurya 2006REE08	Generation of single frame super resolution images by Advanced Frequency and Spatial Domain Techniques	Dr. R.K. Singh
10.	Bhanu Pratap 2009REE53	Real-time implementation of nonlinear observer based controllers for Twin Rotor Mimo System	Dr. Shubhi Purwar
11.	Vinay Kumar Deolia 2008REL04	Intelligent Controller Design for Discrete-Time Nonlinear Systems Using Backstepping Technique	Dr. T.N. Sharma (ECED) Dr. Shubhi Purwar

VII. List of M. Tech Thesis Completed:

Sl. No.	Name of the Student/ Reg.No.	Topic	Thesis Supervisor
1.	Vipul Agarwal 2011EE16	Modeling Of Fuel Cell Electric Vehicle and Its Components.	Prof. Shubhi Purwar
2.	Neha Srivastava 2011EE28	Delay Dependent Stability Analysis of Nonlinear Time Delay System Using T-S Fuzzy Approach.	Prof. Shubhi Purwar
3.	Harshita Joshi 2011EE23	Constrained Discrete-Time Model Predictive Control of Time- Delayed Inverted Pendulum System	Prof. Shubhi Purwar
4.	Nimmy Paulose 2011EE31	Central Pattern Generator based Controller for Quadruped Locomotion	Prof. Shubhi Purwar

5.	Satya Narayan Padhy 2011EE18	A High Performance Single Stage Bridgeless AC-DC-DC PFC Converter	Ms.Sarika Kalra
6.	Anjan Kumar Sahoo 2011EE20	High Efficiency Bridgeless PWM CUK Converter with Soft Switching Technique	Ms.Sarika Kalra
7.	Nishtha Srivastava 2010PTEE01	Intelligent Control of Indirect Field – Oriented Induction Motor Drives	Prof. Shubhi Purwar
8.	Mayank Dev 2011EE14	Adaptive Neuro Fuzzy Inference System Design for Three Tank Process System	Mr. Anirudha Narain
9.	Binod Kumar Padhi 2011EE19	Controller Design for SEPIC Converter Using Model Order Reduction	Mr. Anirudha Narain
10.	Subhash Sudhakar	An Excellent Driver Circuit for High Brightness LED Lamps Using Buck-Boost Converter	Ms. Sarika Kalra
11.	Nitesh Kumar Soni	Stability Analysis of Linear Discrete time Control System With Interval Like time Varying Delay And Actuator Saturation	Dr. Richa Negi
12.	Parna Kundu	Geometric Feature Based Facial Expression Recognition Using Artificial Neural Network	Prof. Ravindra Kumar Singh
13.	Ankit Kumar	Designing of Controller Based on Artificial Neural Network using Model Predictive Control (NMPC) for Liquid Level System	Mr. Anirudha Narain
14.	Shivlendra singh	Model Reference Adaptive control for speed estimation of vector controlled induction motor drive	Mr. Navneet Kr.Singh
15.	Anurag Kumar Singh	Interval System Analysis of Boost Converter for Uncertain Parameter	Prof. Ravindra Kumar Singh
16.	Shweta Gupta	Three-Phase Boost Inverter Design for Grid Connected Photovoltaic System	Mr. Niraj Kumar Choudhary
17.	Bhupesh kumar pal	Grid synchronization of Six phase induction generator	Mr. Navneet Kr. Singh
18.	Ankita Singh	Order Reduction of Discrete Stochastic Systems	Dr. Dinesh Chandra
19.	Paras nath verma	Speed control of a real time DC shunt motor using thyristor bridge with anti – windup technique	Dr. Richa Negi
20.	Saloni Mishra	Control of Switched-Inductor Quasi-Z-Source Inverter	Mr. Niraj Kumar Choudhary
21.	Karan Singh Joshal	Direct Torque Control of Induction Motor with Reduced Torque Ripples	Dr. Richa Negi
22.	Dharma Pal Singh Chauhan	Three Phase AC-DC-AC Buck Boost Converter	Miss Sarika Kalra
23.	Anurag Gupta	Performance of FOPID Controller in presence of actuator saturation	Mrs. Richa Negi
24.	Vaishali Agrawal	Reduced order modeling using Fuzzy C means Algorithm	Mr. Anirudha Narain
25.	Avadh Pati	Suboptimal Control Using Model Order Reduction	Prof.Dinesh Chandra
26.	Vartika Rao	Designing Controllers using Chebyshev-Pole Clustering Approximants	Prof.Dinesh Chandra

27.	Swaroop Mallick	Discrete System Approximants using Rational Krylov Subspace Technique.	Prof. Dinesh Chandra
28.	Akash Deo	Space Vector Modulation of Cycloinverter Using Particle Swarm Optimization Algorithm	Prof. Vineeta Agrawal
29.	Ravi Kumar Ahirwar	Optimal Design of PID Controller for coupled Tank Liquid Level Control System	Dr. Richa Negi
30.	Malay Bhunia	Labview Based Control of Boost-SEPIC Converter for PV fed DC Loads	Dr. Rajesh Gupta
31.	Piyush Agarwal	Power Conditioning using Voltage Source Converter supported by Photovoltaic System	Dr. Rajesh Gupta
32.	Natwar Singh Rathore	Simulation and Control of Reverse Osmosis Plant Based on Particle Swarm Optimization	Mr. Anirudha Narain
33.	Saurabh Shukla	An IMC Based Controller Design for a fractional order system with Time Delay	Er. Anirudha Narain
34.	Ankur	Backstepping based MPPT of Isolated PV system with VSI droop control	Dr. S.R. Mohanty
35.	Yamuna Dhar Dwivedi	Development Of Microcontroller Based two-axis Sun Tracking System Based On Solar Angle	Dr. S.R. Mohanty
36.	Akbar Ahmad	FPGA Cosimulation for Modulation of Multi-level Voltage Source Inverter Using System Generator.	Dr. Rajesh Gupta
37.	Anukaran Khanna 2010PTEE03	Closed Loop control for dopamine regulation using Fractional Calculus Technique	Prof. Dinesh Chandra
38.	Md Abul Hasnat	Control of grid connected wind energy conversion system based on uncontrolled rectifier and current source inverter	Dr. Paulson Samuel
39.	Praveen Kumar Singh	SVPWM based control of wound rotor synchronous generator for grid connected wind energy conversion system	Dr. Paulson Samuel
40.	Himanshu Bhushan	Sensorless control of grid connected permanent magnet synchronous generator based wind energy conversion system	Dr. Paulson Samuel
41.	Akhilesh Singh	Inductorless Zero Voltage Switching Piezoelectric Transformer-Based AC to DC Adapter	Miss Sarika Kalra
42.	Sunil Kumar Mishra	Simulation Studies of Inverted Cart Pendulum System Using Double Loop Fractional Order PID Controller.	Prof. Dinesh Chandra
43.	Mayank Kumar	Design of an Efficient Soft Switched Cyclo-inverter using FPGA	Prof. Vineeta Agrawal
44.	Deepti Singh	Optimization of PI Controller using Evolutionary Computing Technique	Shri Nitin Singh
45.	Preeti Verma	Stability analysis of doubly fed induction generator based wind energy system	Dr. S.R. Mohanty

46.	Richa Awasthi	Control of multi terminal VSC HVDC transmission for offshore wind farm	Dr.S.R.Mohanty
47.	Satendra Pratap Singh	Multi-input Matrix Converter Using Sliding Mode Control	Mr. Nitin Singh
48.	Rahul Kumar	A Hybrid Intelligent DC Grid System	Mr. Nitin Singh
49.	Shashank Srivastava	Performance Evaluation of DSTATCOM Control Algorithm for Reactive Power Compensation	Mr. Nitin Singh
50.	Nirmal Kumar Kushwaha	Quasi-Z-Source Inverter fed Induction Motor Drive	Prof. Vineeta Agarwal
51.	Sameer Kumar Singh	Minimization of torque ripples in srm drive with optimized torque control for electric vehicle application	Prof. R.K.Tripathi
52.	Chandra Shekhar Singh	Maximum Constant Boost Control of Switched-Inductor Quasi-Z-Source inverter	Prof. R.K.Tripathi
53.	Venktesh Mishra	Power quality mitigation of magnet load power supply using active filters	Prof. R.K.Tripathi
54.	Puneet Kumar Maurya	Study of EMI and Mitigation of EMI of DC-DC Converter	Prof. R.K.Tripathi
55.	Vineet Kumar Singh	Neuro sliding mode control of power wheelchair	Prof Ravindra Kumar singh
56.	Abhishek Kashyap	Reactive power compensation using T shape Z source inverter	Prof. Vineeta Agarwal
57.	Dhananjai Kumar Rao	A study on PV Cell based DVR for voltage Sag/Swell mitigation.	Dr. Asheesh Kumar Singh
58.	Pushpendra Kumar Gautam	Improved Pso algorithm for economic power dispatch	Dr. Asheesh Kumar Singh
59.	Prabhat Ranjan Sarkar	Modeling & controller design of matrix converter FED DFIG based Wind Energy Conversion System.	Prof. Vineeta Agarwal
60.	Namita Jaiswal	Maximum Power Point Tracking For PMSG Based Wind Energy System Using Controlled AC-DC Converter	Dr. Rajesh Gupta
61.	Pramod Kumar	Tuning rules for fractional order PID Controller	Mr. Nitin Singh
62.	Ram Ratan	A solar energy system with battery storage for remote area application	Dr. S. R. Mohanty
63.	Sandipan Patra	Power Quality Assessment in 3- ϕ Grid Connected PV system with Single and Dual Stage Configuration with Incorporation of Hybrid Filter	Dr. S. R. Mohanty
64.	Vishal Shende	Dynamic response of doubly excited induction generator during normal and three phase fault condition.	Dr. Paulson Samual
65.	Subash Kumar Singh	The use of Synchronized Phasor Measurement to Determine Transmission Line Fault Location.	Dr. Paulson Samual Dr. S. R. Mohanty
66.	Akhilesh Kumar Mishra	Speed Control of DC Motor using Particle Swarm Optimization	Mr. Anirudha Narain
67.	Om Prakash Nirala	Comparative Analysis of Different Control Techniques for MPPT in Solar Photovoltaic	Dr. R.K.Tripathi

		Array Using Zeta Converter	
68.	Anurag	Lyapunov Function Based DSTATCOM Controller Design for Harmonic Mitigation	Dr.A.K.Singh
69.	Deepak Sahu	Maximum Power Extraction for High Power Wind Turbine System Using Interleaved Boost Converter	Dr. Rajesh Gupta
70.	Vandana Singh	Power Factor Correction using Non-Inverting Cuk converter	Prof. Vineeta Agarwal
71.	Sonal Singh	Nonlinear Feedback Linearization Controller Design For Half Car Suspension System	Dr. Richa Negi
72.	Shikha Singh	An Observer Based Anti-Windup Synthesis For Discrete Time System Subjected To Actuator Saturation: An Lmi-Based Approach	Dr. Richa Negi
73.	Ravinder Singh	A Study On Mother Wavelet Selection For Power System Harmonics Analysis	Dr. Asheesh Kr Singh
74.	Abhishek Garg 2011PE46	Grounding Current Reduction in Transformerless PV system with Cascade Multilevel Inverter.	Dr. Rajesh Gupta
75.	Amit Gupta 2010PTEE06	Speed Control of DC Motor Using Ant Colony Optimization Technique	Dr. Dinesh Chandra
76.	Kshamanidhi Pradhan	Optimal PMU Placement in Multi-Area Power System	Dr. Asheesh Kumar Singh
77.	Vinod Kumar Vishwakarma	A Case Study: Mitigation Of Subsynchronous Resonance For Various Levels Of Compensation Using Statcom And Fuzzy Logic Controller	Dr. Asheesh Kumar Singh
78.	Vijit Srivastava	Assessment of harmonics mitigation techniques: A wavelet approach	Dr.Asheesh kumar singh
79.	Joshita Gupta	Power Quality Improvement by Compensating Load Harmonics using Shunt Hybrid Power Filter with Hysteresis and PI-Controller	Prof. Vineeta Agarwal
80.	Mohit Bajaj	A Study of Control Algorithms for DSTATCOM under Polluted Supply System	Dr. Asheesh Kumar Singh
81.	Amit Kumar	Robust DC - DC Boost converter using sliding mode control	Dr. Shubhi Purwar
82.	Ranjeet Kumar Pathak	Grid Intrigation of wind Energy Conversion System	Prof. R.K.Tripathi

VIII. Publication in Journals *International and National*:

1. A. K. Mishra and A. Narain, "Speed control of dc motor using Particle Swarm Optimization Technique," *Int. J. of Engineering Research & Technology*, vol. 2, 2013. (Impact factor: not available).

2. B. K. Padhi and A. Narain, "Controller Design of SEPIC Converter using Model Order Reduction," *Int. J. of Electrical, Electronics and Data Communication*, vol. 1pp. 19-24, 2013. (Impact factor: not available).
3. N. S. Rathore and A. Narain, "PID Controller Tuning in Reverse Osmosis System based on Particle Swarm Optimization," *Int. J. of Scientific and Research Publications*, vol. 3, pp. 1-5, 2013. (Impact factor: not available).
4. A. Narain, D. Chandra, and K.S. Ravindra, "Model Order Reduction of Discrete-Time Systems using Fuzzy C-Means Clustering," *World Academy of Science, Engineering and Technology*, vol. 7, pp. 1311-1318, 2013. (Impact factor: not available).
5. S. K. Pandey, N. Kishor, and S. R. Mohanty, "Frequency regulation in hybrid power system using iterative PID controller," *J. Electric Power Components and Systems*, vol. 42, pp. 132-148, 2014. (Impact factor: 0.664).
6. P. K. Ray, S. R. Mohanty, N. Kishor, and J. P. S. Catalão, "Optimal feature and decision tree based classification of power quality disturbances in distributed generation systems," *J. of IEEE Transactions on Sustainable Energy*, vol. 5, pp. 200-208, 2014, 2013. (Impact factor: 3.842).
7. R. Perveen, N. Kishor, and S. R. Mohanty, "Off-shore wind farm development: Present status and challenges," *Journal-Renewable & Sustainable Energy Reviews*, vol. 29, pp. 780-792, 2014. (Impact factor: 5.627).
8. N. Kishor, L. Haarla, J. Seppänen, and S. R. Mohanty, "Fixed-order controller for reduced-order model for damping of power oscillation in wide area network," *Int. J. of Electrical Power and Energy Systems*, vol. 53, pp. 719-732, 2013. (Impact factor: 3.432, 5-year Impact factor: 3.111).
9. S. K. Pandey, S. R. Mohanty, and N. Kishor, "A literature survey on load frequency control for conventional and distribution generation power systems," *J. Renewable & Sustainable Energy Reviews*, vol. 25, pp. 318-334, 2013. (Impact factor: 5.627, 5-year Impact factor: 6.57).
10. A. S. Raghuvanshi, N. Kishor, J. F. Ardanuy, and S. P. Singh, "Characteristic study, its identification and self-tuned approach to control hydro power plant," *Int. J. of Sustainable Energy*, vol. 32, pp. 599-630, 2013. (Impact factor: not available).
11. P. K. Ray, S. R. Mohanty, and N. Kishor, "Classification of Power Quality Disturbances due to Environmental Characteristics in Distributed Generation System," *IEEE Transactions on Sustainable Energy*, vol. 4, pp. 302-313, 2013. (Impact factor: 3.842).

12. V. P. Singh, S. R. Mohanty, N. Kishor, and P. K. Ray, "H-infinity Robust Load Frequency Control in Hybrid Distributed Generation System," *Int. J. of Electrical Power and Energy Systems*, vol. 46, pp. 294-305, 2013. (Impact factor: 3.432, 5-year Impact factor: 3.111).
13. S. Gautam and R. Gupta, "Switching frequency derivation for the cascaded multilevel inverter operating in current control mode using multiband hysteresis modulation," *IEEE Transactions on Power Electronics*, vol. 29, pp. 1480-1489, 2014. (Impact factor: not available).
14. P. Samuel, M. K. Naik, R. Gupta, and D. Chandra, "Wind Energy Interface to Grid with Load Compensation by Diode Clamped Multilevel Inverters," *J. of Power Electronics, The Korean Institute of Power Electronics*, vol. 14, pp. 271-281, 2014. (Impact factor: not available).
15. S. Gautam and R. Gupta, "Unified time-domain formulation of switching frequency for hysteresis current controlled AC/DC and DC/AC grid connected converters," *IET Power Electronics*, pp. 683-692, 2013. (Impact factor: not available).
16. V. Sharma and S. Purwar, "Chebyshev Neural Network based Discrete-time Adaptive Speed Control for a Light Weighted All-Electric Vehicle," *Int. Review of Electrical Engineering*, vol. 9, pp. 92-102, 2014. (Impact factor: not available).
17. B. Pratap and S. Purwar, "Real-Time Implementation of Neuro Adaptive Observer Based Robust Backstepping Controller for Twin Rotor Control System," *J. of Control, Automation and Electrical Systems*, vol. 25, pp. 137-150, 2014. (Impact factor: not available).
18. B. Pratap and S. Purwar, "Real-time Implementation of State Observers for Twin Rotor MIMO System: An Experimental Evaluation," *Int. J. of Modelling, Identification and Control*, vol. 19, pp. 98-110, 2013. (Impact factor: not available).
19. S. Kalra and V. Agarwal, "Performance of High-Power, High-Speed Induction Motor with Slitted-Rotor," *Int. Review of Electrical Engineering*, vol.8, 2013, (Impact Factor 0.57). (Impact factor: not available).
20. N. Singh and V. Agarwal, "A Review on Power Quality enhanced Converter Of Permanent magnet Synchronous Wind Generator" *Int. Review of Electrical Engineering*, vol.8, , 2013 (Impact Factor 0.57). (Impact factor: not available).
21. P. Agarwal and V. Agarwal, "A Novel Approach of Space Vector Modulation for Cycloinverter Using Genetic Algorithm," *IET Power Electronics*, vol. 6pp. 1723-1731, 2013, (Impact Factor 1.519). (Impact factor: not available).

22. S. K. Mishra and D. Chandra, "Stabilization of Inverted Cart-Pendulum System Using Fractional Order PID Controller: A Frequency-Domain Approach," *Chinese Journal of Engineering, Hindawi*, vol. 2013, Article ID 962401, 2013. (Impact factor: not available).
23. A. Pati, A. Kumar, and D. Chandra, "Suboptimal Control Using Model Order Reduction," *Chinese Journal of Engineering, Hindawi Publishing Corporation*, vol. 2014, Article ID 797581, 2013. (Impact factor: not available).

IX. Publication in Conferences:

For Published Conference Proceedings:

1. A. Narain, D. Chandra, and K. S. Ravindra, "Model Order Reduction of Discrete-Time Systems using Fuzzy C-Means Clustering," *Int. Conf. on Control and Automation Engineering* held in Singapore, 2013., pp.121-128.
2. A. Narain, D. Chandra, and K. S. Ravindra, "Model Order Reduction of Discrete-Time Systems using Fuzzy C-Means Clustering," *IEEE National Conf. on Energy, Power and Intelligent Control Systems*, in Galgotias College of Engineering and Tech., Greater Noida, India, 2014.
3. J. Seppänen, M. Koivisto, L. Haarla, N. Kishor, and J. Turunen, "Analysis of electromechanical modes using multichannel Yule-Walker estimation of a multivariable autoregressive model," *IEEE ISGT Europe*, Lyngby, Denmark, 2013.
4. N. Kishor, L. Haarla, and J. Turunen, "Controller design with model identification approach in wide area power system," *IEEE PowerTech Conf.*, Grenoble, France, 2013.
5. N. Kishor, L. Haarla, and J. Seppänen, "Fixed-order controller for reduced-order model for damping of power oscillation in wide area network," *IEEE PowerTech Conf.*, Grenoble, France, 2013.
6. N. Kishor, L. Haarla, and J. Seppänen, "Study on Significant Modes in Identified Model for a Large Electric Power System," *IEEE ISGT ASIA*, Bengaluru, 2013.
7. N. K. Choudhary, S. R. Mohanty, and R. K. Singh, "A Review on microgrid Protection," *The 2014 Int. Electrical Engineering Congress*, Thailand, 2014.
8. S. Mishra, N. K. Choudhary, and R. K. Singh, "Analysis and Comparison of Different Control Methods for Switched-Inductor Quasi-Z Source Inverter," *Int. Conf. on Electrical, Electronics & Computer Science Engineering*, New Delhi, India, 2013.

9. S. Gupta, N. K. Choudhary, and R. K. Singh, "Interfacing of photovoltaic system to utility grid using single-stage three-phase boost inverter," *Nat. Conf. on Electrical Systems & Engineering Technologies*, NIT Hamirpur, India, 2013.
10. G. V. E. Satish and R. Gupta, "Sliding mode control of DVR for mitigation of power quality issues," *Int. Conf. on Standards for Smart Grid Ecosystem*, CPRI Bangalore, 2014.
11. S. Rajasekar, R. Gupta, and A. K. Singh "Grid Connected Cascaded Multilevel Inverter for Photovoltaic Application," *Int. Conf. on Energy Efficient LED Lightening and Solar Photovoltaic System*, Indian Institute of Technology, Kanpur, India, 2014.
12. V. Karthikeyan and R. Gupta, "Performance Study of Bidirectional DC-DC Converter," *Int. Conf. on Advance Computing & Communication Systems*, Coimbatore, India, 2013.
13. A. Ahmad and R. Gupta, "Digital PWM of Cascaded Multilevel Voltage Source Inverter using FPGA" *IEEE Sponsored Students Conf. on Engineering and Systems*, Allahabad, India, 2013.
14. M. Bhunia and R. Gupta, "Voltage Regulation of Stand-Alone Photovoltaic System using Boost SEPIC Converter with battery storage system" in *IEEE Sponsored Students Conf. on Engineering and Systems*, Allahabad, India, 2013.
15. P. Agarwal and R. Gupta, "Grid Integration of Solar PV Power Using Shunt Connected VSC" in *IEEE Sponsored Students Conf. on Engineering and Systems*, Allahabad, India, 2013.
16. A.Garg, S. Rajasekar, and R. Gupta, "A New Modulation Technique to Eliminate Leakage Current in Transformerless PV Inverter" in *IEEE Sponsored Students Conf.on Engineering and Systems (SCES 2013)*, Allahabad, India, 2013.
17. V. Sharma and S. Purwar, "Discrete-Time Backstepping Control for a Light Weighted All-Electric Vehicle," *INDICON*, Mumbai, India, 2013.
18. V. Sharma and S. Purwar, "Nonlinear Backstepping Control for a Light Weighted All-Electric Vehicle," in *Int. Conf.on Recent Trends in Power, Control and Instrumentation Engineering*, Hyderabad, India, 2013.
19. S. Kalra and V. Agarwal, "SPICE Model of Cycloinverter Fed Induction Motor," *IEEE Int. Conf. on Control, Instrumentation, Energy and Communication*, Calcutta, India, 2014.
20. N. Singh and V. Agarwal "Control of single stage AC-AC converter for variable speed Wind Energy System," *IEEE Int. Conf.on Control, Instrumentation, Energy and Communication*, Calcutta, India, 2014.

21. Navdeep Singh and Vineeta Agarwal "A Survey on Power Quality Improvement Converter of PMSG, Sustainable Energy and Intelligent System Conf., SEISCON 2013, Dec 12-14, 2013. Chennai, India,.
22. N. Singh and V. Agarwal, "Performance Improvement and Loss minimization of variable to constant frequency AC to AC converter for wind energy system," *IEEE INDICON*, Mumbai, India, 2013.
23. N. Singh and V. Agarwal, "Fuel Cell Based High Frequency and Soft Switching DC-AC Converter for Remote Area Places," *IEEE INDICON* Mumbai, India, 2013.
24. S. Kalra and V. Agarwal "Modelling of High Speed Induction Motor," *Int. Conf. on Emerging Trends in Engineering and Technology*, Idukki, Kerala, India, 2013.
25. N. K. Kushwaha, A. K. Kashyap, M. Kumar, and V. Agarwal, "Simulation Based Operational Study of Z source, Quasi Z source and T shaped Z source Converter," *Nat. Conf. NCRTES 2013*, Sultanpur, India, 2013.
26. A. Agarwal and V. Agarwal "A Comparative Study of FPGA Based Cycloinverter with two modulation techniques," *Int. Conf. on Energy Conversion Congress and Exposition*, Denver, USA, 2013.
27. P. R. Sarkar, A. Kashyap, and V. Agarwal, "Power Quality Improvement using T-shape ZSI with maximum constant boost switching," *Int. Conf. on Advances In Electronics, Electrical And Computer Engineering-EEC 2013*, 2013.
28. P. R. Sarkar, A. Kashyap, and V. Agarwal, "Enhancement in performance of wind energy conversion system including matrix converter," *Int. Conf. on Advances In Electronics, Electrical and Computer Engineering*, 2013.
29. G. Singh, R. K. Jarial, A. Agarwal, and V. Agarwal, "APLC controlled elevator system, *IEEE Student Conf. on Engineering and Systems*, Allahabad, India, 2013.
30. S. Singh, R. Negi, and B. Pratap, "Nonlinear feedback linearization controller design for half car suspension system," *IEEE Conf. (INDICON)* on Dec. 13-15, 2013, Mumbai, India.
31. S. K. Mishra and D. Chandra, "Fractional Order Modeling of Continuous High-Order MIMO systems," *IEEE Int. Conf. on Signal Processing, Computing and Control*, 2013.
32. A. Kumar and D. Chandra, "Improved Padé-Pole Clustering Approximant," *Int. Conf. on Computer Science and Electronics Engineering*, Dubai, UAE, Nov. 17-18, 2013.

X. Papers Presented at Conferences: *Nil*

XI. Reviewer in International Journals:

Sl. No.	Faculty Name	Journal Name
1.	Nand Kishor	i) IEEE Transactions on Power System (3 papers) ii) IEEE Transactions on Sustainable Energy (5 papers) iii) IEEE Transactions on Smart Grid (1 paper) iv) IEEE Transactions on Power Delivery (1 paper) v) IEEE Transactions on Control System Technology (2 papers) vi) Applied soft computing (5 papers) vii) IET Renewable Energy (3 papers) viii) Electrical Power and Energy Systems (2 papers) ix) Electric Power Components and Systems (3 papers)
2.	Rajesh Gupta	i) IEEE Transaction on Power Electronics ii) IEEE Transaction on Industrial Electronics iii) IET Power Electronics
3.	ShubhiPurwar	i) Applied Soft Computing ii) IEEE Transactions on Neural Networks
4.	VineetaAgarwal	i) Reviewer of IEEE Transactions on Power Electronics ii) Reviewer of IEEE Transactions on Industrial Electronics iii) Reviewer of IEEE Transactions on Small Grid iv) Reviewer of International Journal of Power Electronics v) Reviewer of Journal of Electrical and Electronics Research vi) Reviewer of International Journal of Power, Energy and Artificial Intelligence vii) Reviewer of IET on Circuits, Devices & Systems viii) Reviewer of IET on Power Electronics ix) Reviewer of Journal of Power Electronics

XII. Book(s)/Book(s) Chapter(s) Authored:

Sl. No.	Faculty Name (Author/Co-author)	Book	Book Chapter	Publisher
1.	Vineeta Agarwal	Fundamentals of Electric Drives		AXIOE BOOKS™, AGRA

XIII. Conference/Workshop/Short Term Course Organized by department:

Sl. No.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month &Year
1.	IEEE Sponsored 2 nd Students Conference on Engineering and Systems (SCES 2013), MNNIT Allahabad, Uttar Pradesh, India	Dr. Paulson Samuel Dr. Rajesh Gupta	Apr. 12-14, 2013
2.	Power Quality: A Modern Power System Perspective	Dr. Asheesh Kumar Singh Prof. R.K. Singh	June 17-21, 2013
3.	Artificial Intelligence and Mathematical Techniques for Modern Power System.	Dr. Asheesh Kumar Singh Mr. Navneet K. Singh	June 24-28, 2013
4.	Industrial and Commercial Power Analysis: Recommended Practices	Dr. Asheesh Kumar Singh Prof. R.K. Singh	July 1-5, 2013
5.	Advanced Control System (ACS-2013)	Prof. Shubhi Purwar Dr. Richa Negi Prof. Harnath Kar (ECED)	July 8-12, 2013
6.	Solar and Wind Power Conversion (SWPC)	Dr. Rajesh Gupta Dr. S.R. Mohanty	July 12-16, 2013
7.	Electrical Power Control (EPC)	Dr. Paulson Samuel Dr. Rajesh Gupta	July 18-22, 2013
8.	Modeling and Control of Power Converters	Prof. Dinesh Chandra Prof. Vineeta Agarwal	July 24-28, 2013

XIV. Invited Lectures Delivered:

1. Invited Lecture delivered by Dr. Rajesh Gupta on the topic “Control in Power Electronics” at HBTI Kanpur on Oct. 25, 2013.
2. Invited Lecture delivered by Dr. Rajesh Gupta on the topic “Basics of Solar Photovoltaic System” at SRMU Lucknow on Oct. 26, 2013.
3. Invited Lecture delivered by Dr. Rajesh Gupta on the topic “High Speed Controllers for Engineering and System Applications” in STC at MED MNNIT, on June 14, 2013.
4. Invited Lecture delivered by Dr. Rajesh Gupta on the topic “Solar PV Systems and Control” in STC on Solar and Wind Power Conversion at EED MNNIT, on July 12, 2013.
5. Invited Lecture delivered by Dr. Rajesh Gupta on the topic “Active & Passive Filters” in STC on Electrical Power Control at EED MNNIT, on July 19, 2013.
6. Invited Lecture delivered by Dr. Rajesh Gupta on the topic “Flexible AC Transmission Systems” in STC on Electrical Power Control at EED MNNIT, on July 19, 2013.

XV. Invited Lectures Organized:

1. A Lecture delivered by, Er. Praveen Pradhan, Senior Executive Director DRDO Lucknow, on July 29, 2013 on topic 'Application of Power Converters in Electric Locomotives'.
2. A Lecture delivered by, Mr. Rajendra Prasad, Centre Head Avago Company, Colorado, USA on July 23, 2013 on topic 'Application of Sic Devices in Power Converters'.
3. A Lecture delivered by, Dr. Vijay Kumaran, Technical Expert, ALSTOM, Allahabad on July 12, 2013 on topic 'Overview of Power Transformer'.

XVI. Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme:

1. Dr. Rajesh Gupta (Coordinator), Dr. S. R. Mohanty (Coordinator) organized short term course entitled "Solar and Wind Power Conversion" on July 12-16, 2013.
2. Dr. Rajesh Gupta (Coordinator), Dr. Paulson Samuel (Coordinator) organized short term course entitled "Electrical Power Control" on July 18-22, 2013.
3. Prof. Dinesh Chandra and Prof. Vineeta Agarwal as coordinators organized short term course entitled "Modelling and Control of Power Converters" on July 24-28, 2013.

XVII. Conferences/Workshops/Short-Term Courses/Training Programme Attended:

1. Prof. Vineeta Agarwal attended IEEE International Conference on Energy Conversion Congress and Exposition, ECCE 2013, Sept. 15-19, 2013, Denver, USA.

XVIII. Research Projects Ongoing/Completed:

Sl.no.	Principal Investigator/Co investigator(s)	Project Title	Funding Agency	Amount (INR in Lacs)
1.	Prof. R.K. Tripathi	Stand-alone DFIG based Wind Energy Conversion System	TEQIP	1.00
2.	Prof. R.K. Tripathi	Modeling and Controller Design for CSC based STATCOM	TEQIP	1.00
3.	Prof. R. K. Tripathi	Switched Reluctance Motor Drive for Electric Vehicle Application	TEQIP	1.50
4.	Dr. Rajesh Gupta	Sliding mode control of Switching Power Converters	TEQIP	2.00
5.	Prof. Ravindra K. Singh	Design of Switched Reluctance Motor	TEQIP	1.26
6.	Prof. Vineeta Agarwal Dr. S.R. Mohanty	Harmonics and inter harmonics estimation and mitigation in wind power plants	TEQIP	2.03

7.	Dr. Paulson Samuel	Power Quality studies and Compensation for Distribution system in presence of linear and non-linear loads	TEQIP	2.60
8.	Dr. Paulson Samuel	Implementation of Embedded Controller for Multilevel Inverter.	TEQIP	2.05
9.	Dr. S.R. Mohanty	Disturbance detection in Grid connected Distubuted Generation based Power system	R & C	5.00
10.	Mr. Niraj Kumar Choudhary	Analysis of different Protection aspects in Microgrid System	TEQIP	4.91
11.	Dr. Rajesh Gupta	Solar Photovoltaic Array Power Conversion using Embedded Cascaded Multilevel Inverter	DST	35.39
12.	M.Venkatesh Naik	Electrical Wind Power Technologies, Grid Integration Issues	R & C	7.28

XIX. Other Relevant Information to be incorporated in Annual Report:

1. Outstanding Branch Counselor award by IEEE to Dr. Rajesh Gupta in R-10 for year 2013.
2. Best Paper Awarded to Dr. Rajesh Gupta in International Conference on Advance Computing & Communication Systems, Coimbatore, India, Dec. 19-21, 2013.
3. One Ph.D. student and one M. Tech. student under Dr. Rajesh Gupta received “Top 25 list of Best Doctoral and Masters Category in POSOCO Power System Award (2014)”.
 - (i) Shweta Gautam (Ph.D.), Reg. no. 2010REE11- Certificate and Rs. 60,000.
 - (ii) Malay Bhunia (M.Tech.), Reg. No. 2011PE37- Certificate and Rs. 30,000.

10.9 DEPARTMENT OF GIS CELL

Vision:

To establish an identity in the area of Geoinformatics amongst National and International Academic and Research Organisations through knowledge creation, acquisition and dissemination for the benefit of Society and National development.

Mission:

To provide quality education and interdisciplinary research leading to M.Tech.and Ph.D. degree in GIS and Remote Sensing, this produces globally acceptable skilled manpower. To generate and disseminate knowledge and technologies essential to the local and global needs in the field of Geoinformatics.

II. a) Courses Run by Department:

M. Tech. (GIS & Remote Sensing)

Ph.D. (GIS & Remote Sensing).

b) Courses in which students were admitted in 2013-2014:

M. Tech. (GIS & Remote Sensing)

Ph.D. (GIS & Remote Sensing).

III. List of Ph.D. Thesis Completed:

Sl. No.	Name of Student (Reg. No.)	Thesis Title	Supervisor(s)
1.	Rabindra Kumar Barik 2009RGI01	Development and Implementation of Interoperable Secure SDI Model using Open Source GIS.	Prof. A.B. Samaddar Prof. R.D. Gupta

V. List of M.Tech Thesis Completed:

Sl. No.	Name of Student (Reg. No.)	Thesis Title	Supervisor(s)
1.	Abhay Tripathi 2011GI23	Accessibility Analysis in Transportation	Dr. A.K.Singh
2.	Arun Singh 2011GI05	Urban Transport Planning & Management using GIS	Dr. A.K.Singh
3.	Bhagwant Singh 2011GI04	Religious Sacred Places in Allahabad: A GIS based Methodology for Urban Regeneration	Dr. R.K. Srivastava
4.	Devendra Singh 2011GI24	GIS Based Landfill Management	Dr. SumedhaChakma
5.	Dinesh Kumar Baghel	A Genetic Algorithm based Network Analysis under GIS Environment	Dr.Varun Singh

	2011GI03		
6.	Megha Nandwana 2011GI22	A GIS Based Study of Slum Areas of Allahabad	Dr. R.K. Srivastava
7.	Mukund Pratap Singh 2011GI01	Traffic Classification System using Video Data in Image Processing Technique with GIS Technology	Dr.A.K.Singh R.K. Singh
8.	Muskan 2011GI25	A GIS Based Planning for Rainwater Harvesting & Watershed Management	Dr.A.K.Singh
9.	Neetu Kumari 2011GI07	GIS based Mapping of Medical facilities in Hospitals of Allahabad City	Dr.R.C.Vaishya
10.	Nikhil Pratap Singh 2011GI11	A GIS Based Study for Urban Regeneration of Historical Places of Allahabad	Dr. R.K. Srivastava
11.	Pankaj Rungta 2011GI15	GIS based Water Quality mapping of Allahabad District	Dr.R.C.Vaishya
12.	Prashant Chauhan 2011GI16	Development of GIS based City-bus Information System for Allahabad	Dr.R.P.Singh
13.	Pratyush Kumar Deka 2011GI09	GIS based Bridge Management System	Dr. A.K. Singh Dr. Rama Shankar
14.	Preeti Sharma 2011GI21	GIS based Optimal sitting Problems for Supply-chain Network	Dr.Varun Singh
15.	SatyaPrakashMaurya 2011GI26	Data Modelling & Network Analysis for Supply Chain Network in Web GIS Environment	Dr.Varun Singh
16.	Sharad Kumar 2011GI18	GIS based School-bus Transportation System for Allahabad city	Dr. Pitam Singh
17.	Shilpi 2011GI20	River Network Identification using Remote Sensing & GIS	Dr. R.M. Singh
18.	Vartika Bajpai 2011GI19	Design & Performance benchmarking of GEO portal for Urban Management	Er. D.K.Yadav Prof. N.L. Sarda
19.	Yadvendra Pratap Singh 2011GI17	Zoning of Waste-water Drainage of Allahabad city using GIS	Dr. R.P.Singh Er. D.K.Yadav

I. Publication in Journals International:

1. M. Yadav, S. Geol, A. K. Singh, and B. Lohani, "Developing basic design and mathematical framework for a Mobile Mapping System - A case study using available sensors," *J. Indian Soc. Remote Sens*, vol. 42, pp. 301-310, 2013. (Impact factor: 0.528).

2. R. Dwivedi and O. Dikshit, “A Comparison of Particle swarm optimization and Genetic algorithm in second order design of GPS networks,” *J. of Applied Geodesy*, vol. 7, pp.135-146, 2013. (Impact factor: not available).

VII. Publication in Journal National: *Nil*

VIII. Publication in Conferences: For Published Conference Proceedings: *Nil*

Papers Presented at Conferences: *Nil*

IX. Patents: *Nil*

X. Reviewer in Internatinal Journals: *Nil*

XI. Book(s)/Book(s) Chapter(s) Authored: *Nil*

XII. Conferences/Workshop/Short-Term Course Organized by department:

Sl. No.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month & Year
1.	Curriculum Development Workshop	Prof. A. K. Singh, Member, GIS Cell	June 2013

XIII. Invited Lectures Delivered:

1. Mr. Manohar Yadav, Assistant Professor, GIS Cell, “3D mapping of geospatial features using terrestrial laser scanner- A case study using scanned data of MNNIT Allahabad,” INDIA GEOSPATIAL FORUM, Feb., 2014, Hyderabad International Convention Centre, Hyderabad, India.
2. Mr. ManoharYadav, Assistant Professor, GIS Cell- “Digital preservation of heritage sites using Terrestrial Laser Scanner (TLS): A case study on 3D mapping of an old temple in Narayani Ashram near MNNIT Allahabad, India Geospatial Forum, Feb., 2014, Hyderabad International Convention Centre, Hyderabad, India.

XIV. Invited Lectures Organized:

1. Representative of Amil Ltd.: “Trimble Net R7,” GIS Cell Laboratory, 2013.
2. Representative of Trimble Navigation Pvt. Ltd.: “Where GNSS is heading?” GIS Cell Laboratory, 2014.
3. Representative of K.K. Geosystem Pvt. Ltd.: “Hardware and software aspects including the major application areas of Faro Focus 3D X330 laser scanner,” GIS Cell Laboratory, 2014.

XV. Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme:

1. Curriculum Development Workshop on June 25, 2013:

Coordinator: Prof. A.K.Singh, Member, GIS Cell

Co-coordinator: Dr. Varun Singh, Ms. Sonam Agrawal, Mr. Ramji Dwivedi, Mr. ManoharYadav.

XVI. Conferences/Workshop/Short-Term Courses/Training Programme Attended:

1. TEQIP-II sponsored workshop on “Intellectual Property Rights” organized by IPR Cell, MNNIT Allahabad from Feb. 6-7, 2014.

XVII. Research Projects Ongoing/Completed:

Sl. No.	Principal Investigator/ Co investigator(s)	Project Title	Funding Agency	Amount (INR in Lacs)	Duration (Status)
1.	Mr. Ramji Dwivedi	A study on monitoring of vertical motion using GPS	TEQI P-II	0.80	Nov. 2013 (1 year) (On-going)
2.	Mr. Ramji Dwivedi	A study of recurring mass movements using StaMPS technique	TEQI P-II	0.70	Nov. 2013 (1 year) (On-going)

XVIII. Other Relevant Information to be incorporated in Annual Report:

Nil

10.10 DEPARTMENT OF HUMANITIES AND SOCIAL SCIENCES

I. Vision & Mission

The Department of Humanities and Social Sciences offers two year full time Masters of Social Work (MSW), PhD program with Institute fellowships. The Department offers multiple choices of core and non-core subjects in Humanities, Social Sciences, Human Resource Management, Accounting and Finance, Psychology, English Literature, English Language, Communication to students of B.Tech, PG and Ph.D. programs.

National conferences, seminar etc. are being organized regularly.

II. List of Labs : One Language Lab

III.

a) **Courses Run by Department:** Ph.D., MSW, B.Tech.

b) **Courses in which students were admitted in 2013-2014:** PhD and MSW

IV. List of Ph.D Thesis Completed:

Sl. no.	Name of Student (Reg.no.)	Thesis title	Supervisor(s)
1.	Miss. Shaista Irshad	Gendered Spaces: Women the Novels of Margaret Atwood	Prof. Niroj Banerji Prof. Rashmi Gaur
2.	Ms. Sangeeta Varshney	A Study of Cohesion Errors at Discourse Level in Written English	Prof. Niroj Banerji
3.	Ms Shilpa Shukla 2008RHU06	Construction of Self: A Study of Women Characters in the novels of Gloria Naylor	Prof. Niroj Banerji
4.	Shakti Mehrotra 2007RHU02	Organizational Role Stress as related to Personality Traits and Coping styles of Army Personnel	Dr Ambalika Sinha
5.	Anushree Singh 2008RHU05	Corporate Social Responsibility : A comparative study of Public and Private sector Enterprises in India	Dr. Rajesh Kumar Shastri
6.	Malavika Sinha 2009RHU01	Managing Human Resource management towards corporate Excellence: A Comparative study of High and Low on Excellence organization in India	Dr. Rajesh Kumar Shastri

V. List of M. Tech Thesis Completed:

Nil

VI. Publication in Journals *International*:

1. S. Irshad and N. Banerji, "Challenging essentialism: Women's Voice in Alias Grace of Margaret Atwood," *Research J. of English Language and Literature*, vol.1, pp. 8-14, 2013. (Impact factor: not available).
2. S. Irshad and N. Banerji, "Deconstructing Gender and Myth in Margaret Atwood's The Penelopid," *Int. J. of Language, Linguistics and Interdisciplinary Studies*, vol.2, 2013. (Impact factor: 0.003).
3. S. Irshad and N. Banerji, "Men and Masculinities: A Study of Margaret Atwood's Oryx and Crake," *Int. J. of Innovative Research and Development*, vol. 2, 2013. (Impact factor: not found).
4. S. Irshad and N. Banerji, "Subversion of Identity in Margaret Atwood's The Robber Bride" published in *Language in India*, vol.13, 2013. (Impact factor: not found).
5. A. Sinha, "Stress Management in Public Sector Undertaking With Special Reference To BPCL, Naini, Allahabad," *The Int. Journal's Research J. of Commerce & Behavioural Sciences*, vol. 2, 2013. (Impact factor: not found).
6. A. Sinha, *et .al*, "Gender Disparity in the current indian workforce: Concern & Causes," *Zenith Int. J. of Multidisciplinary Research*, vol. 3, 2013. (Impact factor: not found).
7. A. Sinha, "Study the Impact of Stress & Fatigue Accumulation on Bus Drivers," *Int. J. of Humanities and Management Sciences*, vol. 1, 2013. (Impact factor: not found).
8. A. Sinha, *et.al*, "A Comparative Study on Performance of Small Scale Industries (With special reference to Wood and Rubber industries in Uttar Pradesh)," *Int. J. of Research in Management & Technology*, vol. 3, pp. 173-180, 2013. (Impact factor: not found).
9. A. Sinha, *et.al*, "Impact of Extrovert-Introvert Personality on Individual's Level of Creativity: An Empirical Study," *The Int. Journal's Research J. of Social sciences and Management*, vol. 3, 2013. (Impact factor: not found).
10. A. Sinha, *et.al*, "For Youth: Acts and Tacts Besides facts," *The Int. Journal's Research J. of Social sciences and Management*, vol. 3, 2014. (Impact Factor: 3.454).
11. A. Sinha, *et.al*, "Creativity: An all-Embracing Ability," *The Int. Journal's Research J. of Social Sciences and Management*, vol. 3, pp. 89-94, 2014. (Impact Factor: 3.454).
12. R. Tripathi and S. Bagchi, "An Assessment of Out of Pocket Expenditure of Health Care Services in India: Aspects, Consequences and Ameliorative Strategies," *TIJ Research J. of Social sciences & Management*, vol. 4, pp. 52-57, 2014. (Impact factor: not found).
13. R. Tripathi and S. Agarwal, "An Empirical Study of Marketing for Guava and its sub-products by farmers in Allahabad: an approach towards agripreneurship through food processing units," *Int. J. Business and Globalisation*, vol.13, pp. 69-75, 2014. (Impact factor: not found).

14. R. Tripathi and A. Akhtar, "Analysis of Convergence Process towards International Financial Reporting Standards in India: A Case Study of Selected Indian Companies," *IFSMRC AIJRM*, vol. 02, pp. 01-23, 2014. (Impact factor: not found).
15. TripathiRavindra, Akhtar A &Mayank, "International Financial Reporting Standards: A case study of select Indian companies," *Excel Int. J. of Multidisciplinary Management Studies*, vol. 4, pp. 11-32, 2014. (Impact factor: not found).
16. J. Sinha and M. P. Singh, "Job Satisfaction in Organizational Executives" *Int. J. of Scientific Research and Publication*, vol. 3, 2013. (Impact factor: not found).
17. J. Sinha and M. P. Singh, "Impact of Spiritual Intelligence on Quality of Life" *Int. J. of Scientific Research and Publication*, vol. 3, 2013. (Impact factor: not found).
18. J. Sinha and M. P. Singh, "Stress Management" *Int. J. of Scientific Research and Publication*, vol. 3, 2013. (Impact factor: not found).
19. J. Sinha and V. Gautam, "Ecological Survival in Margaret Atwood's Surfacing" *J. of Environmental Research and Development*, vol.7, pp. 1774-1778, 2013, (Impact Factor: 0.607). (Impact factor: not found).
20. J. Sinha and Q. Rizvi, "Effect of Gendered Childhood on Marital Relations in Roots & Shadows" in *The Criterion: An Int. J. in English*, vol. 4, pp. 1-10, 2013. (Impact factor: not found).

VII. Publication in Journals National: *Nil*

VIII. Publication in Conferences:

1. A. Sinha, 2013 Study the Impact of Stress & Fatigue Accumulation on Bus Drivers, ISAET 2013 International Conference Program, Oct. 4-5, 2013-Dubai, UAE.
2. A. Sinha, 2013 Study the Impact of Stress & Fatigue Accumulation on Bus Drivers, ISAET 2013 International Conference Program, Oct. 4-5, 2013-Dubai, UAE.

IX. Patents: *Nil*

X. Reviewer in International Journals:

Sl. no.	Faculty Name	Journal Name
1.	Dr. Ravindra Tripathi	Computational Economics, Springer
2.	Dr. Ravindra Tripathi	Journal of cleaner production, Elsevier

XI. Book(s)/Book(s) Chapter(s) Authored:

Sl. No.	Faculty Name (Author/Co-author)	Book	Book Chapter	Publisher
1.	Dr. R. K. Shastri	Dimension of Public Policy : Changing Scenario	Effect of FDI on rural retail sector in India: An analytical study	Excel India Publishers , ISBN No. 978-93-83842-22-3
2.	Dr. R. K. Shastri	Dimension of Public Policy : Changing Scenario	Mahatma Gandhi National Rural Employment Guarantee Act: With special reference to empowerment of marginalized community	Excel India Publishers , ISBN No. 978-93-83842-22-3
3.	Dr. R. K. Shastri	Rural Development in India : A new perspective	ICT: A tool for enhancing rural development through E rural marketing Model (E GrameenSeva- A proposed Model)	Excel India Publishers , ISBN No. 978-93-83842-21-6
4.	Dr. R. K. Shastri	Rural Development in India : A new perspective	Constructive Alliances through Public Private Partnership: Enabling creative strategies in health sector	Excel India Publishers , ISBN No. 978-93-83842-21-6
5.	Ravindra Tripathi, Nisha	Applications on Computational and Financial Econometrics	Regression Analysis Of Prime Lending Rate With Reference To Key Policy Rates Of Rbi: An Empirical Study Of Select Commercial Banks	Bloomsbury India
6.	Ravindra Tripathi, A.K. Pandey, Upasana Yadav	Rural Development in India: A New Perspective	SCM of Fruits and Vegetables in India: Strategies for Betterment	Excel India Publishers, New Delhi
7.	Ravindra Tripathi, Anjani Kumari, K. Pandey	Rural Development in India: A New Perspective	Promotion of Tribal Entrepreneurship in India: A Case Study with Reference to Jharkhand and Chhattisgarh	Excel India Publishers, New Delhi
8.	Ravindra Tripathi, L. Srivastava, G. Yadav	Dimensions of Public Policy: Changing Scenario	An Assessment of Public Policies of Planning Commission for Rural Development (With Reference to 9 th , 10 th and 11 th Five Year Plans)	Excel India Publishers, New Delhi
9.	Ravindra Tripathi, S. Agarwal	Dimensions of Public Policy: Changing Scenario	Rural Development Through Agripreneurship: A Study of Farmers in Uttar Pradesh	Excel India Publishers, New Delhi

XII. Conference/Workshop/Short Term Course Organized by department:

Sl. no.	Seminar/Conferences	Chair/Co-chair/Coordinator	Month & Year
1.	One week Short Term Course on Interpersonal Skills and Personality development was organized from Name of conference/seminar	Dr Ambalika Sinha, Dr. Ravindra Tripathi	Aug., 2013
2.	National conference on dimensions of public policy and rural development	Prof. Niroj Banerji, Chair Dr. Rajesh Kumar Shastri & Dr. Ravindra Tripathi, Coordinator	Mar., 2014
3.	Workshop on 'Personality Development and Soft Skills' sponsored by TEQIP II	Prof. Niroj Banerji, Chair Dr. Jyotsna Sinha, Coordinator	Jan., 2014

XIII. Invited Lectures Delivered:

1. A. Sinha, (Keynote Speaker) on “Stress of Life, Causes and Prevention” ISAET 2013 Int. Conf. Program, on Oct. 4-5, 2013, at Dubai, UAE.

XIV. Invited Lectures Organized: *Nil***XV. Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme:**

1. Dr. Rajesh Kumar Shastri as Course Director organized the ICSSR funded “Ten days research methodology program for Ph.D. students in Social Sciences”

XVI. Conferences/Workshops/Short-Term Courses/Training Programme Attended:

1. Dr. Ravindra Tripathi attended one week Short Term Training Program on Business Analysis and Perspectives of Foreign Investments in India, organized by School of Management Studies, MNNIT Allahabad, India, during June 24-30, 2013
2. Attended a National Workshop on Professional Communication at SHIATS, in the Department of English & Foreign Languages, Allahabad, India, on Jan. 29, 2013.
3. Attended Soft Skills: Way to Scaling Professional Heights at the International Conference on “Literature, Language and Communication: An Essential Trident” on the Dec. 09-10, 2013 in Amity School of Languages, Amity University, Lucknow, India.

XVII. Research Projects Ongoing/Completed: *Nil***XVIII. Other Relevant Information to be incorporated in Annual Report:** *Nil*

10.11 DEPARTMENT OF MATHEMATICS

- I. Vision:** Achieving excellence in Teaching–Learning and Research among National and international academic and research organizations to nurture mathematics for engineering and as an independent science.

Mission: Mathematics department will achieve its vision by:

- (i) Offering well–balanced curriculum to acquire professional competencies and transferable skills
- (ii) Bringing innovations in Teaching-Learning process through effective content delivery and appropriate assessment methods
- (iii) Catalyzing the research activities of both faculty members and students through research projects etc.

II. Course run by Department: PG-M.Sc. in Mathematics and Scientific Computing

Course in which students were admitted in 2013-2014: PG-(M.Sc. in Mathematics and Scientific Computing)

III. List of Ph.D. Thesis completed:

Sl. No	Name of students (Reg. no.)	Thesis Title	Supervisor(s)
1.	Ratnesh Kr. Mishra 2007RMA04	Study of Projective Modules & Generators of Ideals and Modules	Prof. Shiv Datt Kumar
2.	Priti Singh 2008RMA02	A study on Rees Algebras of ideals, modules and its reductions	Prof. Shiv Datt Kumar
3.	Parul 2008RMA06	Mathematical Modeling and Numerical Simulation of Perturbation Problems Arising in Science and Engineering.	Dr Manoj Kumar
4.	Neha Yadav 2009RMA53	Mathematical Modeling and Numerical Simulation Based on Artificial Neural Network Method for Solution of Boundary Value Problems Arising in Science and Engineering.	Dr Manoj Kumar
5.	Rajeev Ananad Sahu 2008RMA05	Some Variants of ID-Based Proxy Signature Scheme from Bilinear Pairing	Dr Sahadeo Padhye
6.	Mrs. Namita Tiwari 2009RMA52	A Study of Proxy Signatures and their Variants	Dr Sahadeo Padhye
7.	Ms. Archana Chauhan 2009RMA02	Study of Implusive Fractional Differential Equations	Mukesh Kumar Jaydev Dabas (IIT Roorkee)
8.	RVGK Mohan (2009RMA56)	A Study of Ramanujan's Work in the Field of Generalized Hypergeometric Series	Dr. Pankaj Srivastava
9.	Anwar Zahan (2009RMA01)	Certain Investigation in the Field of q-Series and Mock Theta Function	Dr. Pankaj Srivastava

IV. List of M.Tech/M.Sc. Thesis completed:

Sl. No.	Name of students (Reg. no.)	Thesis Title	Supervisor(s)
1.	Rangoli Goyal 2011MSC02	Classification and Representation Theory of Finite Groups	Prof. Shiv Datt Kumar
2.	Pooja Mishra 2011MSC10	A comparative study of different Numerical Techniques for Solving Partial Differential Equation	Dr. Manoj Kumar
3.	Long Shree 2010MSC06	Mathematical Analysis of Machine Repairable System with Hot Spares	Dr. Pitam Singh
4.	Gyan Prakash Singh 2011MSC07	A class of well Behaved charged Analogues of Schwarzschild Interior Interior Solution	Dr. Mukesh Kumar
5.	Saumya Bhatnar 2011MSC03	Similarity Solutions of Burger Equation	Dr. Mukesh Kumar
6.	Ishita Gupta 2011MSC08	Certificate-less Proxy Signature	Dr. Sahadeo Padhye
7.	Ragini Tripathi 2011MSC01	Diffie – Hellman Protocol	Dr. Sahadeo Padhye
8.	Pragati Kesarwani 2011MSC09	Numerical Analysis	Late Prof. P. Singh

V. Publication in Journals international:

1. N. Tiwari, S. Padhye, and Debiao He, "Efficient ID-based Multi Proxy Multi Signature without Bilinear Maps in ROM," *Annals of Telicommunication*, vol. 68, pp. 231-137, 2013. (Impact Factor: 0.602).
2. N. Ojha and S. Padhye, "Cryptanalysis of Multiprime RSA with Secret Key greater then Public Key," *Int. J. of Network Security*, vol. 16, pp. 53-57, 2014. (Impact Factor: 1.39).
3. J. Singh and S. D. Kumar, "Rees algebra over an ideal in t-rings," *J. of Pure and Applied Algebra, Elsevier Publication, SCI Journal*, 2014, DOI: 10.1016/j.jpaa.2014.04.032. (Impact factor: not available).
4. P. Singh and S. D. Kumar, "Reductions in Rees algebra of modules," *Algebras and Representation Theory*, vol. 17, 2014, Springer Publication, SCI Journal, DOI 10.1007/s10468-014-9471-1. ISSN 1386-923X. (Impact factor: not available).
5. M. Balodi, H. L. Huang, and S. D. Kumar, "Finite Majid algebras over the Klein group," *Comm. in Algebra, Taylor and Francis Publication, SCI Journal*, vol. 42, pp. 4962-4983, 2014. (Impact factor: not available).

6. J. Singh and S. D. Kumar, "On the Involutivity of the Characteristic Variety, Communications in Algebra," *Taylor and Francis Publication, SCI Journal*, vol. 42, pp. 3607-3618, 2014. (Impact factor: not available).
7. R. Sridharan, S. D. Kumar, and R. K. Mishra, "Completion of unimodular row to an invertible matrix," *Mitteilungen Klosterneuburg Journal*, vol. 64, 2014. (Impact factor: not available).
8. S. K. Upadhyay, S. D. Kumar, and R. Sridharan, "On the number of generators of a projective module," *Proc. Indian Acad. Sci. (Math. Sci.)*, vol. 123, pp. 469-478, 2013. (Impact factor: not found).
9. M. Kumar, A. Srivastava, and G. Mishra, "A finite element approach for finding positive solutions of a Logistic equation with a sign-changing weight function," *Applied Mathematics and Computation*, vol. 241, pp. 112-124, 2014. (Impact factor: 1.60).
10. M. Kumar and S. Pandit, "A Composite Numerical Scheme for Numerical Simulation of Coupled Burgers' Equation," *Computer Physics Communications*, vol. 185, pp. 809-817, 2014. (Impact factor: 2.407).
11. M. Kumar and N. Yadav, "Buckling Analysis of a Beam-Column Using Multilayer Perceptron Neural Network Technique," *J. of the Franklin Institute*, vol. 350, pp. 3188-3204, 2013. (Impact factor: 2.260).
12. M. Kumar, A. K. Singh, and A. Srivastava, "Various Newton-type iterative methods for Solving Nonlinear Equations," *J. of the Egyptian Mathematical Society*, vol. 21, pp. 334-339, 2013. (Impact factor: not available).
13. M. Kumar, A. Srivastava, and G. Mishra, "Numerical Simulation of a Non-Linear Singular Perturbed Schrodinger Equation Using Finite Element Approximation," *Nat. Academy Science Letters, Springer Journal*, vol. 36, pp. 239-252, 2013, (Impact factor: .24).
14. M. Kumar and N. Singh, "Adomian Decomposition Method for Computing Eigen-Values of Singular Sturm-Liouville Problems," in *Nat. Academy Science Letters, Springer Journal*, vol. 36, pp. 311-318, 2013 (Impact factor: .24).
15. M. Kumar and Parul, "Mathematical Modelling and Numerical Simulation of Child Swing Motion," *Nat. Academy Science Letters, Springer Journal*, vol. 36, pp. 225-232, 2013. (Impact factor: .24).
16. M. Kumar and R. Kumar, "On new similarity solutions of the Boiti-Leon-Pempinelli system," *J. Communications in Theoretical Physics*, vol. 61, pp. 121-126, 2014, (Impact factor: 1.049).

17. M. Kumar and R. Kumar, "On some new exact solutions of incompressible steady state Navier-Stokes equations," *J. Meccanica-An Int. J. of Theoretical and Applied Mechanics*, vol. 49, pp. 335-345, 2014, (Impact factor: 1.815).
18. B. Vasu, N. B. Reddy, V. R. Prasad, and O. A. Bég, "Thermo-Diffusion and Diffusion-Thermo Effects on Free Convection Flow past a Semi-Infinite Vertical Plate in The Presence of Suction and Injection," *Int. J. of Energy & Technology*, vol. 5, pp. 1-11, 2013.
19. V. R. Prasad, B. Vasu, and O. A. Beg, "Thermo-Diffusion and Diffusion-Thermo Effects on Free Convection Flow past a Horizontal Circular Cylinder in a non-Darcy Porous Medium," *J. of Porous Media*, vol. 16, pp. 315-334, 2013, (Impact factor: 0.707).
20. Anwar Bég, B Vasu and VR Prasad, "Numerical Study of Mixed Bioconvection in Porous Media Saturated with Nanofluid Containing Oxytactic Microorganisms," *J. of Mechanics in Medicine and Biology*, vol. 13, 2013, DOI: 10.1142/S021951941350067X. SCI Journal, Impact factor: 0.47
21. V. R. Prasad, A. S. Rao, N. B. Reddy, B. Vasu and O. A. Beg, "Modelling Laminar Transport Phenomena in A Casson Rheological Fluid From A Horizontal Circular Cylinder With Partial Slip," *Proc. IMechE Part E: J. of Process Mechanical Engineering*, vol. 227, pp. 309-326, 2013. (Impact factor: 0.547).
22. G. Nath, J. P. Vishwakarma, V. K. Srivastava, and A. K. Sinha, "Propagation of magnetogasdynamic shock waves in a self-gravitating gas with exponentially varying density," *J. Theoretical and Applied Physics*, vol. 7, 2013.
23. G. Nath, "Self-similar flow behind a spherical shock wave in a non-ideal dusty gas under the gravitational field: isothermal flow," *Advances in Space Research, Elsevier Science*, vol. 52, pp. 1304-1313, 2013, (Impact Factor: 1.238).
24. G. Nath, "Self-similar solution for unsteady flow behind an exponential shock in an axisymmetric rotating dusty gas," *Shock Waves*, vol. 24, pp. 415-428, 2014, (Impact Factor: 0.743).
25. G. Nath and J. P. Vishwakarma, "Similarity solutions for the flow behind the shock wave in a non-ideal gas with heat conduction and radiation heat flux in magnetogasdynamics," *Commun Nonlinear Sci Numer Simulat.*, vol. 19, pp. 1347-1365, 2014, (Impact Factor: 2.569).
26. G. Nath, "Unsteady isothermal flow behind a magnetogasdynamic shock wave in a self-gravitating gas with exponentially varying density," *J. Theoretical and Applied Physics*, vol. 8, pp. 831, 2014.

VI. Publication in Journal National: *Nil*

VII. Publication in Conferences:

1. S. D. Kumar, S. K.r Upadhyay, and R. Sridharan, "On the number of generators of projective modules," *Int. Conf. on Computer Algebra*, at the Institute of Mathematics, University of Osnabrueck, Germany, during June 10-14, 2013.
2. M. Kumar, N. Singh, "Adomian Decomposition Method for Solving Boundary Value Problems," in *Nat. Seminar on Emerging Trends in Applied Mathematics*, Mar Ivanios College at Trivandrum during Sept. 5-7, 2013.
3. M. Kumar and P. K. Srivastava, "The history of differential equations and solution using splines," in *Int. Conf. on History and Development of Mathematics*, held in Jaipur Rajasthan, India, during Nov. 29-Dec.01, 2013.
4. M. Kumar, A. K.r Singh, and G. Mishra, "Application of New Fifth-Order Newton-type Iterative Methods in Finite Element Simulation of Nonlinear Elliptic Partial Differential Equations," in *Nat. Conf. on Differential Equations and Applications*, during Feb. 14-15, 2014 at University of Mumbai, Mumbai, India,.
5. B. Vasu, P. V. S. N. Murthy, and O. A. Béq, "Effects of Thermophoresis on the Transient Free Convection Heat and Mass Transfer in a Walters-B Viscoelastic flow past an Impulsively Started Vertical Plate," *58th ISTAM Congress 2013, Bengal Engineering and Science University, Kolkata*, 18-West Bengal, Dec. 21, 2013.
6. G. Nath, "Unsteady isothermal flow behind a magnetogasdynamic shock wave in a self-gravitating gas with exponentially varying density" in *ISMAMS*, Feb. 21-22, 2014.

VIII. Patent: *Nil*

IX. Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Prof Shiv Datt Kumar	1. Mathematical Reviews/MathSciNet, American Mathematical Society, USA (Reviewer number: 098594). 2. Annals of Fuzzy Mathematics and Informatics 3. Science Journal of Applied Mathematics and Statistics, Science PG 4. American Journal of Applied Mathematics and Statistics, since 2013 (SCIEP).

2.	Dr Sahadeo Padhye	1. International Journal of Network Security 2. International Journal of Communication System, Willey 3. Transactions on Emerging Telecommunications Technology, Willey 4. International Journal of Ad Hoc and Ubiquitous Computing, Inderscience Publication 5. Security and Communication Network
3.	Dr Manoj Kumar	1. Communications in Nonlinear Science and Numerical Simulations. 2. International Journal of Computer Mathematics. 3. Applied Mathematics and Computation. 4. Journal Of Computational Physics
4.	Mukesh Kumar	1. International Journal of Applied Mathematics and Mechanics, 2. International Journal of Theoretical Physics
5.	Dr Buddakkagari Vasu	1. International Journal of Numerical Methods for Heat and Fluid Flow (Emerald) 2. Ain Shams Engineering Journal (Elsevier) 3. Proceedings of the National Academy of Sciences, India Section A: Physical Sciences(Springer) 4. Heat and Mass Transfer (Springer)
6.	Dr Gorakh Nath	1. Bulletin of the Malaysian Mathematical Sciences Society in Apr. 2013, SCI Expended Journal 2. Mathematical and Computational Application, in May 2013, SCI E. Journa 3. Physica Scripta, Sept. 2013, IOP, UK, SCI, Journal 4. Journal of Astrophysics, Hindawi Publisher, USA Oct. 2013 5. Journal Heat and Mass Transfer (Springer) Jan. 2014, SCI Journal 6. Astrophysics and Space Science, SCI, J., Springer, two times in Mar. and Aug. 2014

X. Book(s)/Book(s) Chapter(s) Authored *Nil*

XI. Conference /Workshop/Short Term Course Organized by department

Sl. No.	Conference	Chai/Co-chair/Coordinator	Month and Year
1	National workshop on optimization techniques and their applications	Prof. Shiv Datt Kumar (Chairman) Mukesh Kumar (Organising Secretary) Dr. Pitam Singh (Convener)	June 05-11, 2013

XII. Invited lecture delivered:

1. A talk delivered by Dr. Sahadeo in the “National Workshop on Mathematical Modeling in Stochastic Process and Fuzzy System” Aug. 06-07, 2013 at Govt. N.P.G. College of Science, Raipur (Chhattisgarh) on Mathematical Modeling in Cryptology.

2. Shiv Datt Kumar delivered Invited talks (four lectures) on Nilpotent groups and field extensions at Nagarjuna Govt. P.G. College of Science, Raipur (Chhattisgarh) during Aug. 28-29, 2013.
3. Dr Manoj Kumar delivered a talk and chaired a session in “25th Biennial Numerical Analysis Conference” at University of Strathclyde in Glasgow, Scotland U.K during June 25-28, 2013.
4. Dr Manoj Kumar delivered a series of four lectures in National level Short Term Training Programme (STTP) on “A Glimpse of Differential Equations in Science and Engineering” during Mar. 10-14, 2014 at National institute of Technology Raipur, Chhattisgarh.
5. Dr Manoj Kumar delivered a series of four lectures in short term course during 27-31 Mar. 2014 organized by department of Mathematics, Maulana Azad National Institute of Technology Bhopal (M.P).
6. Delivered Invited lecture on “Differential equation and shock wave” in nat. conf. CORTMAS-2013 on July 27-28, 2013, organized by Department of Mathematics, DDU Gorakhpur University, Gorakhpur.
7. Delivered invited lecture on, “Similarity solution of differential equation via lie group theory” in 11th Nat. conf. of ISMAMS on Feb. 21-22, 2014, Jointly Organized by Department of Mathematics, DDU Gorakhpur, University.
8. Delivered two invited lectures on, “Similarity solution of differential equations via lie group theory and dimensional analysis” on Mar. 10-14, 2014 in Nat. workshop Organized by Department of Mathematics, NIT Raipur.

XIII. Invited lecture Organized: *Nil*

XIV. Coordinator/Co-coordinator in workshops/Short- Term Course/Training Programme:

1. Dr. Gorakh Nath worked as organizing Secretary in 11th Nat. Conf. of ISMAMS on Feb. 21-22, 2014, jointly organized by Department of Mathematics, DDU Gorakhpur.

XV. Conference/Workshops/Short-Term Course/Training Programme attended:

1. Dr. Sahadeo Padhye attended Sensitization Workshop on Intellectual Property Rights, Feb. 6-7, 2014. MNNIT Allahabad, India.
2. Shiv Datt Kumar participated and made poster presentation on research paper on the number of generators of projective modules in the International Conference on Computer Algebra CoCoA- 2013 at the Institute of Mathematics, University of Osnabrueck, Germany, during June 10-14, 2013.

3. Shiv Datt Kumar participated in a Instructional workshop on Schur Multiplier and related topics” during Mar. 01-08, 2014 at Harish Chandra Research Institute, Allahabad, India.
4. Shiv Datt Kumar participated in workshop on Quality Initiatives in Technical & Higher Educational Institutions, In Compliance with NBA & NAAC Accreditation during Feb. 11-13, 2014 at Engineering Staff College of India, Gachi Bowli, and Hyderabad, India.
5. Mukesh Kumar attended the workshop on “Stochastic Gradient Method” at University of California USA. Feb 24-28, 2014.
6. B. Vasu, 58th ISTAM Congress, Dec. 18-21, 2013 at Bengal Engineering and Science University, Kolkata, India, 2013.
7. B. Vasu, National Workshop on Optimization Techniques and Their Applications, June 5-11, 2013 at Motilal Nehru National Institute of Technology Allahabad, Allahabad, India.
8. Dr. Gorakh Nath participated in 11th National Conference of ISMAMS Jointly Organized by Department of Mathematics, DDU Gorakhpur, University and ISMAMS, Feb. 21-22, 2014
9. Dr. Gorakh Nath participated in workshop on Optimization Techniques & Their Applications (NWOTA-2013), June 05-11, 2013 at Department of Mathematics, MNNIT Allahabad, sponsored by NBHM, DRDO, CSIR, INSA and MNNIT Allahaba, India.
10. Dr. Gorakh Nath participated in Workshop on Multiphysics Simulation Using COMSOL on Jan. 08, 2014, Organized by National Program on Micro and Smart Systems (NPMASS), MNNIT Allahabad, India.

XVI. Research project Ongoing:

Sl. No.	Principal Investigator /Co investigator (s)	Project Title	Funding Agency	Amount (INR in Lacs)	Duration (Status)
1.	Prof. S. D. Kumar	Graded modules over rings graded by finitely generated Abelian groups	National Board of Higher Mathematics	10.27	July, 2010
2.	Prof. S. D. Kumar	Graded modules over rings graded by finitely generated Abelian groups	Department of Science and Technology, Govt of India	10.04	Sept., 2011
3.	Dr Manoj Kumar	Finite Element Approximation and Computer Implementation for Non-	Council of Scientific and Industrial Research	13.53	Apr. 2011/ 3 year

		Linear Elliptic Singular Perturbation Problems with Engineering Applications			
4.	Dr Manoj	Numerical Algorithms for Solving Singularly Perturbed Boundary Value Problems with Engineering Applications	University Grant Commission	11.93	Feb. 2010/3year
5.	Dr. B. Vasu	Transient free convection heat and mass transfer with thermophoresis in a Walters-B viscoelastic flow along a vertical porous plate	Motilal Nehru National Institute of Technology Allahabad	1.69	24

XVII. Other Relevant Information to be incorporated in Annual Report:

MEMBER OF EDITORIAL BOARD OF THE JOURNALS

1. Prof. Shiv Datt Kumar, International Journal of Engineering and Applied Sciences since Jan. 2013.
2. Prof. Shiv Datt Kumar, American Journal of Applied Mathematics and Statistics, since 2013 (SCIEP).
3. Dr Gorakh Nath, Assistant Editorial Secretary of Journal “National Academy of Mathematics,” since 2014, published by Department of Mathematics, DDU Gorakhpur.

10.12 DEPARTMENT OF MECHANICAL ENGINEERING

I. Vision and Mission:

To be an institution within the institute as a centre of relevant education and research in interdisciplinary areas including mechanical engineering through knowledge creation, acquisition, application and dissemination for the benefit of society and humanity.

To educate and train man-power for industry, academia and research.

1. To continuously identify, monitor and control the relevance of the curriculum and modify it for its relevance to the society.
2. To develop relevant laboratories with appropriate technology inputs and the state of art.
3. To impart training to the educators and researchers in newer and strategic areas.
4. To develop products and patents for the benefit of the society.
5. To develop institute-industry consultancy programs for mutual benefit.
6. To push the frontiers of the research.
7. To start and develop new paradigms in research.

II. Courses Run by Department

Academic Programmers administered by the Department

UG Programmers

1. B. Tech. (Mechanical Engineering)
2. B. Tech. (Production and Industrial Engineering)

PG Programmers

M. Tech. (Full Time, Part Time and QIP)

1. M. Tech. Mechanical Engineering (Computer Aided Design and Manufacturing)
2. M. Tech. Mechanical Engineering (Design Engineering)
3. M. Tech. Mechanical Engineering (Production Engineering)
4. M. Tech. Mechanical Engineering (Product Design and Development)
5. M. Tech. Mechanical Engineering (Thermal)

Ph.D. (Full Time and QIP)

Seat for stipendiary category is half the number of faculty members with Ph.D. degree per Year.

For other category seat is decided by Institute at the time of admission.

III. List of Ph.D. Thesis Completed:

Sl. No.	Name of the student /Reg. No.	Thesis Title	Supervisor
1.	Sanjay Mishra 2009RME01	Finite Element Based Simulation and Optimization of Pulsed Nd: YAG Laser Beam Percussion Drilling of Thin Sheet Metals.	Dr. Vinod Yadava
2.	Rajeev Jain 2007RME07	Supplier Selection in SCM Using Integrated Data Mining- MCDM Approach in Context of Indian Manufacturing Industry	Dr. P. K. Mishra
3.	Sanjeev Kr Singh Yadav 2006RME06	Modeling and Multi- Objective Optimization of Electrical Discharge Diamond Cut-Off Grinding Process.	Dr. Vinod Yadava
4.	Shyam Sunder 2008RME17	Surface-Electrical Discharge Diamond Grinding of Metal Matrix Composites: Development, Modeling and Optimization.	Dr. Vinod Yadava
5.	Kesarabhai Bhikhabhai Judal 2010RME13	Some Investigations into Cylindrical Electrochemical Magnetic Abrasive Machining Process.	Dr. Vinod Yadava
6.	Arun Kumar Pandey 2009RME51	A Study on Pulsed Nd: YAG Laser Cutting of Difficult-To-Laser-Cut Sheetmetals.	Dr. Avanish Kumar Dubey
7.	Avinash Anantrao Lonkar 2006RME07	Structural Damage Detection Coupled With Modal Parameters.	Dr. R. K. Srivastava
8.	Sunil Bala Wesley 2008RME13	Investigations on Some Ferritic Stainless Steels For Use in Cane Sugar Industry.	Dr. H. S. Goyal, Dr. R. Kumar
9.	Vandana Agrawal 2006RME03	Surface Modeling From Unorganized 3-D Point Cloud Data	Dr. Samir Saraswati Dr. Satish Chand
10.	Bhupendra P. Sharma 2010RME58	Study of Knowledge Sharing Barriers in the Indian Engineering Industries.	Dr. M. D. Singh
11.	Pankaj Kr. Srivastava 2010RME54	Investigation of Heat and Mass Transfer in Improved Designs of Basin Type Solar Still with Porous Absorbers.	Dr. S. K. Agarwal
12.	Ajay Tripathi 2010RME56	Some Studies on Hydro-dynamics of Slug Flows inside Square	Dr. S. K. Agarwal

		Capillaries.	
13.	Basanta Kr. Bhuyan 2010RME05	Traveling Wire Electro-Chemical Spark Machining Process: Development, Modeling And Optimization	Dr. Vinod Yadava
14.	Rajesh Kr. Porwal 2007RME04	Modelling and Optimization of Micro Electrical Discharge Machining of Super Alloys.	Dr. Vinod Yadava
15.	Ravinder Nath Vadav 2009RME54	Some Investigation on Slotted-Electrical Discharge Grinding og Hybrid Metal Matrix Composites	Dr. Vinod Yadava
16.	Pankaj Kumar Shrivastava 2009RME55	A Study on Electrical Discharge Abrasive Grinding of Advanced Materials using Indigenous Experimental Setup.	Dr. A. K. Dubey
17.	Kamal Sharma 2008RME04	Mechanical Properties of Carbon Fiber/ Functionalized Multi-walled Carbon Nanotubes /Epoxy Multiphase Coposites: Modeling, Simulation and Characterization.	Dr. Mukul Shukla
18.	T. Ramesh 2008RME12	Some studies on life cycle energy analysis of residential buildings.	Prof. Ravi Prakas Prof. K.K. Shukla
19.	Parul Gupta 2008RME10	Studies on Various Aspects of Customer Satisfaction Evaluation of Indian Service Industries	Prof. R.K.Srivastava
20.	Vivek Srivastava 2010RME55	Dynamic Mechanical Characteristics Of Expanded Polypropylene Under Multiple Loading.	Dr. Rajeev Srivastava

IV. List of M.Tech Thesis Completed

DESIGN

Sl. No.	Name of the student /Reg. No.	Thesis Title	Supervisor
1.	Nitish Kumar 2011DN10	Design of Porous Structures using Disjoint B-spline curves	Prof. A.D.Bhatt
2.	Atul Patel 2011DN20	Reverse Engineering of Functionally Graded Mechanical Object	Prof. A.D.Bhatt
3.	Rajneesh Patel 2011DN21	Design of Solar Collector	Prof. S.K.Agrawal
4.	Abdul Arif 2011DN02	Numerical Analysis of Friction Stir Welding (FSW) of Dissimilar Materials	Prof. K. N. Pandey
5.	Vinay Kumar Gupta 2011DN17	FEM and CFD Based Modeling of Heat Pipe Assisted Cooling in Dry Turning	Dr. V.R.Komma
6.	Ajay Kumar	Modeling of defects developed in composites	Dr. D.K.Shukla

	2011DN08	fabricated by autoclave process	
7.	Suprit Wakde 2011DN18	Design of Solar Assisted Steam jet Refrigeration System	Prof. Ravi Prakash
8.	Rakesh Kumar 2011DN22	New Design of cchp For Year Round Operation	Prof. S.K.Agrawal
9.	Ghanshyam S. Gohil 2011DN07	Design and Optimization of Magnetrorheological Damper for Intelligent Automobiles	Dr. Rajeev Srivastava
10.	Krishan Kumar 2011DN15	Investigations on Some Situations Leading to Automobile Accidents Design Challenges and Possible Solutions for Road Safety	Prof. H.S. Goyal
11.	Srinivasan Lakshmi Narasimhan 2011DN14	Industrial Energy Conservation Through Tri-Generation System	Prof. Ravi Prakash
12.	Sayed Ahmed Hasan M. 2011DN19	Morphological Effects of Nanoparticles on Tensile and Fracture Properties of Epoxy	Dr. D.K.Shukla
13.	Ashish Mishra 2011DN16	Numerical Simulation of Shell and Tube Heat Exchanger With Nan fluids	Dr. R.K.Patel Dr. Siraj Alam
14.	Boppudi Sai Kiran 2011DN11	Effect of Inlet Air Cooling on Gas Turbine Performance	Prof. Ravi Prakash
15.	Ankur Saxena 2011DN01	Vibration Supperssion of Cantilever Beam Using Eddy Current Damping	Dr. R.K. Patel
16.	Devesh Kumar 2011DN12	Thermodynamic Analysis of A Typical Tri-Generation System	Prof. S.K. Agrawal
17.	Nitish Srivastava 2011DN09	Finite Element Simulation of Sinking Micro Electrical Discharge Machining Process	

Production Engineering

Sl. No.	Name of the students/ Reg. No.	Thesis Title	Name of the supervisor
1.	Faraz Ahmad 2011PR29	Comparison of Cost Oriented Heuristics For Simple Assembly Line Balancing Problem	Prof. P.K.Mishra
2.	Md. Sarfaraz Alam 2011PR14	Intelligent Modeling and Optimization of Laser Trepan Drilling of Titanium Alloy	Dr. A.K, Dubey
3.	Alok Soni 2011PR09	Finite Element Modeling of Laser Drilling	Dr. R.K.Patel
4.	Pawan Sharma 2011PR33	Numerical Study of Temperature and Stress Field in Laser Cutting of Aluminum Alloy	Dr. A.K.Dubey
5.	Saurabh Priyadarshi 2011PR31	A Review of Hybrid Machining Processes	Dr. A.K. Dubey
6.	Promise Mittal 2011PR18	Risk Analysis in Assembly Line Balancing: A Study	Dr. Nirjhar Ray
7.	Hemant kumar	Sap-Lap Framework & TPB Analysis As Applied	Dr. S.K.Podddar

	Meena 2011PR10	To A management Entrepreneur	
8.	Deepak Prashant Singh 2011PR21	Thermal Analysis of Micro-Electric Discharge Machining (Micro-EDM) Process	Dr. Audhesh Narayan
9.	Abhay Shankar Yadav 2011PR03	Slurry Erosion Wear of Detonation Gun Sprayed Coatings	Dr. S.B. Mishra
10.	Naveen Kumar 2011PR26	Oxidation & Hot Corrosion Behavior of Al ₂ O ₃ - TiO ₂ Coating	Dr. S.B. Mishra
11.	Ravi Prakash 2011PR22	Supply chain Management in a Dairy Industry- A Case Study	Prof. S.K.Agrawal
12.	Sanjay Singh Patel 2011PR24	Parametric Study of Electrical Discharge Diamond Face Grinding of Metal Matrix Composite	Prof. Vinod Yadava
13.	Vijay Kumar 2011PR13	Optimization of Process Parameters for Cylindrical Grinding Using Taguchi Method	Dr.M.K.Khurana
14.	Swati Gupta 2011PR35	Modeling and Optimization of Electric Discharge Machining (EDM) Process	Dr. Audhesh Narayan
15.	Ashvarya Agrawal 2011PR11	Modeling and Optimization of MRR and TWR in Power Mixed EDM	Dr. A.K. Dubey
16.	Sushil Kumar Singh 2011PR32	Study of Fracture Behavior of Viscoelastic Composites	Dr. R.K.Patel
17.	Abhishek 2011PR28	Life Analysis of Natural Fiber (Banana Fiber) Reinforced Composite Under Cyclic Loading	Prof. K. N. Pandey
18.	Gaurav Kumar Sharma 2011PR36	Finite Element Modeling and Optimization of Die Sinking Electrochemical Spark Machining (ECSM) Process	Dr. Audhesh Narayan
19.	Nagendra Mishra 2011PR23	Determination of the economical policy of a three- echelon inventory system with (RQ)ordering policy and information sharing	Prof. P.K. Mishra

CAD/CAM

Sl. No.	Name of the students/ Reg. No.	Thesis Title	Name of the supervisor
1	Yaushee Bansal 2011CC20	Development of A Multi-Zone Model For The Prediction of Performance of Si Engine	Dr. Samir Saraswati
2.	Mohammad Waseem 2011CC07	Fault Detection And Diagnosis of Active Magnetic Bearing Systems	Dr. P.K. Agrawal
3.	Ranjeet Kumar 2011CC24	Analytical and Numerical Analysis of Power Output for Cantilever Based Piezoelectric Vibration Energy Harvesting System	Prof. R.K.Srivastava
4.	Suneel Kumar Pandey 2011CC13	Triangular Modelling From Point Cloud Data	Er. Vandana Agrawal
5.	Khushbu	Air-Path Control of Turbocharged Diesel Engine	Dr. Samir Saraswati

	Yadav 2011CC03		
6.	Jatander Pal Singh 2011CC23	Effect of Deep Cryogenic Treatment on the Abrasive Wear Resistance of Some Steels	Prof. H.S.Goyal
7.	Param Singh 2011CC10	Neural Network Modeling and Optimization of Laser Deam Drilling Process	Dr. Audhesh Narayan
8.	Abhijeet Kumar 2011CC02	Modelling and Simulation of Dielectric Elastromer Based Valveless Micropump	Dr. Rajeev Srivastava
9.	Krashn Kumar Dwivedi 2011CC16	Analytical and Numerical Study of Stress Intensity Factor in a Thermal Barrier Coated Plate Under the Thermal Varying Load	Prof. K.N. Pandey
10.	Ashish Agrahari 2011CC09	Investigation of in cylinder Flow for si Engine Using CFD	Dr. Samir Saraswati
11.	Sachin Nigam 2011CC18	Curvature Estimation For Triangular MESH	Er. Vandana Agrawal
12.	Deliwala Ajaz Ahmed 2011CC17	Investigation on Solid Particle Erosion Behavior of Same Extruded Aluminum Alloys	Prof. H.S. Goyal
13.	Omna Suman 2011CC14	Effect of Insulation Materials on Thermal Loads of a Building	Prof. Ravi Prakash
14.	Ankita Dubey 2011CC12	Evaluation of Stress Intensity Factor In Polymer Nanocomposites Through Finite Element Analysis	Dr. D.K.Shukla
15.	Kapil Kumar 2011CC19	Sap-Lap Framework and TPB Analysis Applied to the Case Study of Technical Entrepreneur	Dr. S.K. Poddar
16.	Deep Chandra Chaurasiya 2011CC22	B-Spline Surface Reconstruction Based on Genetic Algorithm	Dr. P.K. Agrawal1.

Product Design and Development

Sl. No.	Name of the students/ Reg. No.	Thesis Title	Name of the supervisor
1.	Shwetabh Singh 2011PD06	Design And Development of Fan Driven by the Mechanical Movement of body	Prof. A.D.Bhatt
2.	Shivam Srivastava 2011PD02	A Study on Delayed Product Differentiation And its Application	Prof. Nirjhar Roy
3.	Ashish Kumar Rathore 2011PD09	Evaluation Criterion For Green Supplier Selection	Prof. Rakesh Narain
4.	Sarvesh Kumar Saini 2011PD13	Disassembly of a Product by Product Modularity With Consideration of 3R Ability	Prof. P.K. Mishra
5.	Divya Chaudhary 2011PD12	Evaluation of Critical Success Factors and Selecting Third Party Reverse Logistics Provider	Prof. Rakesh Narain
6.	Manish Dixit	Modeling and Analysis of Check Valve Micro	Dr. Rajeev

	2011PD04	pump With Piezoelectric Diaphragm	Srivastava
7.	Amit Kumar Singh 2011PD06	Modeling of Knowledge management Technologies in the Indian Engg. in Industries: An Integrated Approach of ISM and SEM	Prof. M.D. Singh
8.	Sunil Kr. Chaurasiya 2011PD08	Registration of Point Cloud Data	Er. Vandana Agrawal
9.	Md. Tabish Haque 2011PD15	Selection of Affordable Prefabricated Residential Building Technology	Prof. Nirjhar Roy
10.	Ashish Kr. Murarka 2011PD14	B-Spline Based Optimized Heterogeneous Modeling	Dr. P.K.Agrawal
11.	Arvind Katyayn 2011PD17	An Investigation of Performance parameters of SI Engine Using Gasoline And Alternative Gaseous Fuels	Dr. Samir Saraswati
12.	Deepanshu Srivastava 2011PD11	Step- Based Feature Recognition of Prismatic Parts With Orthogonal Primitives	Dr. V.R. Komma
13.	Sudhir Kumar Mishra 2011PD21	Impact resistance hardness and Opacity of Epoxy-Alumina polymer Nanocomposites	Dr. D.K. Shukla
14.	Sourabh Vyomesh Sao 2011PD18	Aspects of Mass Customization in Product Development	Prof. Rakesh Narain
15.	Pushpendra S. Niranjan 2011PD20	Design and Development of Foot Operated Fan For Providing Comfort For Multiple Users	Prof. A.D. Bhatt
16.	Chetan Swaroop 2011PD16	Numerical Analysis of Ballistic impact on Curved Armor Plate under Oblique Situation	Prof. K.N. Pandey
17.	Mamta Mishra 2011PD01	Static and Dynamic Performance Improvement of Conventional Lathe Bed Structures with Hybrid Materials	Dr. Rajeev Srivastava
18	Umang Purwar 2011PD05	Investigation on Leaching & abrasive wear properties of Cooking Utensils of Different Material available in Indian Market	Prof. H.S. Goyal

Part Time

Sl. No.	Name of the students/ Reg. No.	Thesis Title	Name of the supervisor
1.	Dinesh Singh 2010PTPR01	Vendor Selection Using Topsis Method	Dr. M.K. Khurana
2.	Saumya Sharma 2010PTPR15	Quantifying Lean Manufacturing	Prof. P.K. Mishra
3.	Anjani Kumar Singh 2010PTPR08	Parametric Study of Electrical Discharge Drilling of Metal Matrix Composite	Prof. Vinod Yadava

4.	Gyan Singh 2010PTPR09	Experimental Investigation of Electrical Discharge Face Grinding of Metal Matrix Composite	Prof. Vinod Yadava
5.	Ashutosh Kr. Gupta 2010PTPR10	Revised TAM framework for M-Commerce adoption	Dr. Manish Gupta
6.	Asif Ahmad 2010PTPR02	Knowledge Management Implementation Enabler'S In Indian Engineering Industries: An Integrated Approach of ISM and AHP	Prof. M.D.Singh
7.	Krishna Kumar Shukla 2010PTPR03	Barriers of Knowledge Management Implementation in Indian Engineering Industries: An Integrated Approach of ISM and AHP	Prof. M.D.Singh
8.	Ashwini Kumar Rai 2010PTPR14	Role of Thermal Spray Coating in improving oxidation and hot corrosion resistance of SEA-431 Steel	Dr. S.B. Mishra
9.	Sunil Kumar Maurya 2010PTPR13	Advantages and Critical success factors of M Commerce in Indian scenario: An ISM and Fuzzy AHP approach	Dr. Manish Gupta

V. Publication in Journals International

1. B. Paul and A. Datta, "FT-IR Characterization of Soot Precursor Nano-particles from Different Heights of an Isooctane/Air Premixed Flame," *Intl. J. of Advances in Engg. Sciences and Applied Mathematics*, vol. 6, pp. 97-105, 2014. (Impact Factor: not available).
2. N. Roy and V. R. Komma, "Cellular Manufacturing through Composite Part Formation: A Genetic Algorithm Approach," *4th Int. Conf. on Industrial Engineering and Operations Management*, Bali, Indonesia, pp.1199-1208, 2014. (Impact Factor: not available).
3. N. Roy and V. R. Komma, "A Practical Supply Chain Model Using Analytic Hierarchy Process For Vendor Selection," *43rd Int. Conf. on Computers and Industrial Engineering (CIE43)*, Department of Industrial and Manufacturing Systems Engineering, The University of Hong Kong, Hong Kong, vol. 115, pp.1-11, 2013. (Impact Factor: not available).
4. R. Dev and A. Ahsan, "Thermal Model and Characteristics of Double Slope Solar Still," *BIJIT - BVICAM's Int. J. of Information Technology Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM)*, New Delhi (INDIA) vol. 6pp. 711-721, 2014. (Impact Factor: 0.605).
5. A. K. Nayak and R. Dev, "Development of thermal model of Modified Double Slope Solar Still and Study of Performance Parameters," *The Int. Symposium on Engineering and Technology*, Trinity College of Engineering and Research, Pune, India, Jan. 9-10, 2014. (Impact Factor: not available).

6. S. Nandy and R. Dev, “Theoretical Analysis of In-built Heat Extraction Mechanism to Maintain Electrical Efficiency of a Single Solar Cell of Glass-Glass Type Photovoltaic Panel,” *1st Int. Conf. on Non Conventional Energy*, JIS College of Engineering, Kalyani, India, Jan. 16-17, 2014. (Impact Factor: not available).

10.13 DEPARTMENT OF PHYSICS

I. Vision

- To be nationally recognized as a model of an effective and successful Physics programme.
- To have a reputation for our advanced and successful research in emerging areas of Physics
- To have the reputation for the success of our research students and engineering graduates

Mission:

- To provide Physics education to engineering graduates as per need of future engineering and technological education in the country.

II. Courses run by the Department

Physics I (PH 1101)

Physics II (PH1202)

Physics Lab (PH1151)

Physics Lab (PH1251)

III. List of Ph. D. Thesis Completed

Sl. No.	Name of Student/ Reg. No.	Thesis title	Supervisor
1.	Chandra Shekhar Prajapati 2009RPH55	Growth, Characterization and Effect of Metal-Ion Doping on the Structural, Optical and Gas Sensing Properties of ZnO Nanocrystalline Thin Films.	Prof. P.P. Sahay
2.	Ajey Kumar Tiwari 2008RPH03	Symmetry and Integrability aspects of a class of nonlinear dynamical systems	Dr. S. N. Pandey

IV. Publication in Journals *International*

1. C. S. Prajapati, A. Kushwaha, and P. P. Sahay, “Influence of Fe doping on the structural, optical and acetone sensing properties of sprayed ZnO thin films,” *Mater. Res. Bull.*, vol. 48, pp. 2687-2695, 2013. (Impact Factor: 1.968).

2. R. K. Mishra, S. K. Pandey, and P. P. Sahay, "Influence of In doping on the structural, photoluminescence and alcohol response characteristics of the SnO₂ nanoparticles," *Mater. Res. Bull.*, vol. 48, pp. 4196-4205, 2013. (Impact Factor: 1.968).
3. C. S. Prajapati, A. Kushwaha, and P. P. Sahay, "Effect of Al dopants on the structural, optical and gas sensing properties of spray-deposited ZnO thin films," *Mater. Chem. Phys.*, vol. 142, pp. 276-285, 2013. (Impact Factor: 2.129).
4. C. S. Prajapati, A. Kushwaha, and P. P. Sahay, "Experimental investigation of spray-deposited Fe-doped ZnO nanoparticle thin films: Structural, microstructural and optical properties," *J. Therm. Spray Technol.*, vol. 22, pp. 1230-1241, 2013. (Impact Factor: 1.491).
5. R. K. Mishra, S. B. Upadhyay, and P. P. Sahay, "Volatile organic compounds (VOCs) response characteristics of the hydrothermally synthesized SnO₂ nanocapsules," *Sens. Lett.*, vol. 11, pp. 1611-1616, 2013. (Impact Factor: 0.558).
6. K. K. Sharma, S. K. Awasthi, and S. N. Pandey "Entanglement sudden death and birth in qubit-qutrit systems under Dzyaloshinskii-Moriya interaction," *Quantum Inf. Processing*, vol.12, pp.3437-3447, 2013. (**Impact Factor**: 2.960).
7. A. K. Tiwari, S. N. Pandey, M. Senthilvelan. and M. Lakshmanan, "Classification of Lie point symmetries for quadratic Liénard-type equation $\ddot{x}+f(x)\dot{x}^2+g(x)=0$," *J. Math. Phys.*, vol. 54, pp. 053506 (1-19), 2013. (**Impact Factor**: 1.176).
8. P. P. Sahay, R. K. Mishra, S. N. Pandey, S. Jha, and M. Shamsuddin "Structural, dielectric and photoluminescence properties of co-precipitated Zn-doped SnO₂ nanoparticle," *Curr. Appl. Phys.*, vol. 13, pp. 479-486, 2013. (**Impact Factor**: 2.026).
9. N. G. Pramod, S. N. Pandey, and P. P. Sahay, "Sn-doped In₂O₃ nanocrystalline thin films deposited by spray pyrolysis: microstructural, optical, electrical and formaldehyde sensing characteristics," *J. Therm. Spray Technol.*, vol. 22, pp. 1035-1043, 2013. (Impact Factor: 1.491).
10. S. Srivastava, M. Kumar, A. Agarwal, and S. K. Dwivedi, "Synthesis and Characterisation of Copper Oxide nanoparticles," *IOSR J. of Applied Physics*, vol. 5, pp. 61-65, 2013. (Impact Factor: 1.345).
11. S. Singh, *et al.*, "Study of magnetic, dielectric and magnetodielectric properties of BaTiO₃/Fe₃O₄ core/shell nanocomposite," *J. of Materials Science: Materials in Electronics*, DOI 10.1007/s10854-014-2358-4, 2014. (Impact Factor: 1.966).

12. R. Bhargava, P. K. Sharma, S. Singh, M. Sahni, A. C. Pandey, and N. Kumar, "Switching in structural, optical, and magnetic properties of self-assembled Co-doped ZnO: effect of Co-concentration," *J. of Materials Science: Materials in Electronics*, vol. 25, pp. 552-559, 2014. (Impact Factor:1.966).
13. M. Sahni, *et al.*, "Influence of Mn doping on structural, electrical and magnetic properties of (0.90) BiFeO₃-(0.10) BaTiO₃ composite," *J. of Materials Science: Materials in Electronics*, vol. no. 25, pp. 2199-2209, 2014. (Impact Factor:1.966).
14. M. Sahni, N. Kumar, M. Kumar, and S. Singh, "Effect of Sr substitution on structural, dielectric, magnetic and magnetoelectric properties of rapid liquid sintered BiFe_{0.8}Ti_{0.2}O₃ ceramics," *J. of Materials Science: Materials in Electronics*, vol. 25, pp. 4743-4749, 2014, (Impact Factor: 1.966).
15. S. Kumar, A. Kumar, N. Kumar, A. Goswami, and R. Chandra, "Conduction Mechanism and Bandgap Engineering in Pulsed Laser Deposited Cd_{1-x}Pb_xS Films," *J. of Applied Physics*, vol. 116, pp. 073504 (1-6), 2014, (Impact Factor:2.185).
16. S. Singh, N. Kumar, R. Bhargava, M. Sahni, K. D. Sung, and J. H. Jung, "Magnetodielectric effect in BaTiO₃/ZnFe₂O₄ core/shell nanoparticles," *J. of Alloys and Compounds*, vol. 587, pp. 437-441, 2014. (Impact Factor:2.726).
17. S. Singh, *et al.*, "Effect of Annealing Temperature on the Physical Properties of Zn-ferrite Nanoparticles," *J. of Superconductivity and Novel Magnetism*, vol. 27, pp. 821-826, 2014. (Impact Factor: 0.93).
18. H. Gupta, P. Paul, N. Kumar, S. Baxi, and D. P. Das, "One Pot Synthesis of Water-Dispersible DHA Coated Fe₃O₄ Nanoparticles under Atmospheric Air: Blood Cell compatibility and Enhanced Magnetic Resonance Imaging," *J. of Colloid and Interface Science*, vol. 430, pp. 221-228, 2014. (Impact Factor: 3.552).
19. H. Gupta, P. Paul, and N. Kumar, "Synthesis and Characterization of DHA/ZnO/ZnFe₂O₄ Nanostructures for Biomedical Imaging Application," *Procedia Materials Science*, vol. 5, pp. 198-203, 2014. (Impact Factor: not available).
20. M. Bohra, S. Prasad, N. Venkataramani, S. C. Sahoo, N. Kumar, and R. Krishnan, "Low Temperature Magnetization Studies of Nanocrystalline Zn-Ferrite Thin Films," *IEEE Transactions on Magnetics*, vol. 49, pp. 4249-4252, 2013. (Impact Factor:1.213).

21. M. Sahni, *et al.*, “Enhancement of magnetic and dielectric properties in chemically modified multiferroic (0.90) BiFe_{1-x}Cr_xO₃-(0.10) BaTiO₃ nanocomposite,” *J. of superconductivity and novel magnetism*, vol. 26, pp. 397-402, 2013. (Impact Factor: 0.93).
22. R. Bhargava, A. K Singh, K. Kumar, A. C. Pandey, and N. Kumar, “Synthesis and Lasing Action in ZnO Hexahedrons,” *J. of Nanoengineering and Nanomanufacturing*, vol. 3, pp. 317-320, 2013. (Impact Factor: not available).
23. M. Srivastava, J. Singh, and A. K. Ojha, “Electro-optical and magnetic properties of monodispersed colloidal 3 Cu₂O nanoparticles,” *J. Alloys and Compounds*, vol. 55, pp. 123-130, 2013. (Impact Factor: 2.726).
24. S. Kumar and A. K. Ojha, “Synthesis, characterizations and antimicrobial activities of well dispersed ultra-long CdO nanowires,” *AIP Advances*, vol. 3, pp. 052109, 2013. (Impact Factor: 1.591).
25. A. K. Ojha, S. Foster, S. Kumar., S. Vats, S. Negi, and I. Fischer, “Synthesis of well-dispersed silver nanorods of different aspect ratios and their antimicrobial properties against gram positive and negative bacterial strains,” *J. of Nanobiotechnology*, vol. 11, pp. 42, 2013. (Impact Factor: 4.08).
26. M. Srivastava, *et al.*, “Synthesis, Magnetic and Mössbauer Spectroscopic Studies of Cr Doped Lithium Ferrite Nanoparticles,” *J. Alloys and Compounds*, vol. 591, pp. 174, 2014. (Impact Factor: 2.726).
27. A. K. Ojha and S. Bhunia, “Different Proton Transfer Channels for the Transformation of Zwitterionic Alanine-(H₂O)_{n=2-4} to Nonzwitterionic Alanine-(H₂O)_{n=2-4}: A Density Functional Theory Study,” *J. of Molecular Modeling*, vol. 20, pp. 2124, 2014. (Impact Factor: 2.022).
28. A. K. Ojha, *et al.*, “Influence of Crystal Size on the Electron-Phonon Coupling in ZnO Nanocrystals Investigated by Raman Spectroscopy,” *Vibrational Spectroscopy*, vol. 72, pp. 90, 2014. (Impact Factor: 1.547).
29. M. Srivastava, *et al.*, “Novel conducting lithium ferrite/chitosan nanocomposite: Synthesis, characterization, magnetic and dielectric properties.” *Current Applied Physics*, vol. 14, pp. 980-990, 2014. (Impact Factor: 2.026).
30. A. K. Singh and J. Eom, “Negative Magnetoresistance in Vertical Single Layer Graphene Spin Valve at Room Temperature,” *ACS Applied Materials & Interface*, vol. 6, pp. 2493–2496, 2014, (Impact Factor: 5.9).

31. V. K. Singh, A. K. Singh, Md. W. Iqbal, J. Eom, J. R. Yeon, and K. Shin “Direct Synthesis of Multilayer Sheets of Reduced Graphene Oxide Over Cu-Foil,” *Graphene*, vol. 1, pp. 69-77, 2013. (Impact Factor: not available).
32. R. K. Pandey, A. K. Singh, and R. Prakash, “Enhancement in performance of polycarbazole-graphene nanocomposite Schottky diode,” *AIP Advances*, vol.3, pp. 122120, 2013. (Impact Factor: 1.6).
33. A. K. Singh, M. Ahmad, V. K. Singh, K. Shin, Y. Seo, and J. Eom, “Tailoring of electronic properties of exfoliated graphene layer by molecular doping,” *ACS Applied Materials & Interface*, vol.5, pp. 5276-5281, 2013. (Impact Factor: 5.9).
34. P. Kumar, A. K. Singh, J. Eom, and J. Singh, “Graphene: Synthesis, properties and application in Transparent Electronic Devices,” *Reviews in Advanced Sciences and Engineering*, vol. 2, pp. 238–258, 2013. (Impact Factor: not available).
35. R. R. Shahi, A. Bhatnagar, S. K. Pandey, V. Dixit, and O. N. Srivastava, “Effects of Ti-based catalysts and synergistic effect of SWCNTs-TiF3 on hydrogen uptake and release from MgH₂.” *Int. J. of Hydrogen Energy*, vol. 39, pp. 14255-14261, (Impact Factor: 2.93).
36. A. Bhatnagar, et al., “Catalytic effect of carbon nanostructures on the hydrogen storage properties of MgH₂-NaAlH₄ composite,” *Int. J. of Hydrogen Energy*, vol. 39, pp. 14240-14246, (Impact Factor: 2.93).
37. S. K. Pandey, A. Bhatnagar, R. R. Shahi, T. P Yadav, and O. N. Srivastava, “Co-Catalytic Effect of Carbon Based Nanostructures and TiO₂ on Sorption Behavior of Nanocrystalline MgH₂” *Adv. Science Letters*, vol. 20, pp. 1120-1123(4), (Impact Factor: 1.253).
38. A. Bhatnagar, S. K. Pandey, R. R. Shahi, M. S. L. Hudson, M. A. Shaz, and O. N. Srivastava, “Synthesis, characterization and hydrogen sorption studies of mixed sodium-potassium alanate,” *Crystal Research and Technology*, vol. 48, pp 520-531, 2013. (Impact Factor: 1.12).
39. S. K. Pandey, A. Bhatnagar, R. R. Shahi, and O. N. Srivastava, “Effect of TiO₂ Nanoparticles on the Hydrogen Sorption Characteristics of Magnesium Hydride,” *J. of Nanoscience and Nanotechnology*, vol. 13, pp. 5493-5499(7), 2013. (Impact Factor: 1.149).
40. R. R. Shahi, H. Raghubanshi, M. A. Shaz, and O. N. Srivastava, “Improved hydrogen storage performance of Mg(NH₂)₂/LiH mixture by addition of carbon nanostructured materials,” *Int. J. of Hydrogen Energy*, vol. 38, Pages 8863–8871, 2013. (Impact Factor: 2.93).

41. T. P. Yadav, D. Singh, R. R. Shahi, M. A. Shaz, R. S. Tiwari, and O. N. Srivastava, "Synthesis of quasicrystalline film of Al–Ga–Pd–Mn alloy," *Thin Solid Films*, vol. 534, pp. 265–269, (Impact Factor: 1.867).
42. R. R. Shahi, A. P. Tiwari, M. A. Shaz, and O. N. Srivastava, "Studies on de/rehydrogenation characteristics of nanocrystalline MgH₂ co-catalyzed with Ti, Fe and Ni," *Int. J. of Hydrogen Energy*, vol. 38, pp. 2778–2784, (Impact Factor: 2.93).
43. D. Singh, R. R. Shahi, T. P. Yadav, R. K. Mandal, R. S. Tiwari, and O. N. Srivastava "Hydrogenation of (Zr_{69.5}Al_{7.5}Cu₁₂Ni₁₁)_{100-x}Ti_x quasicrystalline alloys and its effect on their structural and microhardness behavior," *J. of Non-Crystalline Solids*, vol. 380, pp. 11–16, (Impact Factor: 1.716).

V. Publication in Journals National:

1. K. K. Verma, R. K. Sinha, and P. P. Sahay, "Structural, optical and ethanol gas-sensing properties of zinc oxide thin film prepared by spray pyrolysis technique using ultrasonic nebulizer," *Indian J. Pure Appl. Phys.*, vol. 51, pp. 765-768, 2013. (Impact Factor: 0.711).

VI. Publication in Conferences:

1. P. P. Sahay, "Metal oxide nanomaterials for chemical gas sensors," in *Proc. 2nd Int. Congress on Advanced Materials (AM2013)*, Zhenjiang, China, pp. A45, 2013.

VII. Reviewer in International Journals:

Sl.No.	Faculty Name	Journal Name
1.	Prof. P.P. Sahay	Materials Science in Semiconductor Processing; Elsevier Sensors and Actuators B; Elsevier Materials Research Bulletin; Elsevier Journal of Thermal Spray Technology; Springer
2.	Dr. S. N. Pandey	Journal of Mathematical Physics Journal of Engineering Mathematics Pramana-J. Physics Proceedings of the National Academy of Sciences, India Section A: Physical Sciences
3.	Dr. Naresh Kumar	Journal of Applied Physics
4.	Dr. A K Ojha	Journal of Physical chemistry (A, B & C) Nanotechnology Nannoparticle Research Chemical Physics Journal of Raman Spectroscopy Vibrational Spectroscopy Chemical Physics Letters

VIII. Books/Books Chapters Authored:

Sl. No.	Faculty Name	Book	Book Chapter	Publisher
1.	Shashi Tiwari, Arun Kumar Singh, S. K. Balasubramanian, W. Takashima, Keiichi Kaneto, Rajiv Prakash	Innovations in Nanomaterials, 2014	Poly-3-hexylthiophene (P3HT)/ Graphene Nanocomposite Field-Effect-Transistor as Ammonia Detector	
2.	Rohit R Shahi	Advanced Carbon Materials and Technology	Catalytic Application of Carbon Based Nanostructured Materials on Hydrogen Sorption Behavior of Light Metal Hydrides	WILEY-Scrivener Publisher. ISBN: 9781118686232
3.	Rohit R Shahi	Potential Hydrogen Storage Materials; Materials for Future Energy Carrier		Lambert Academic Publishing ISBN: 978-3-659-62169-7.

IX. Invited lecture delivered:

1. Prof. P.P. Sahay delivered an invited lecture on Metal oxide nanomaterials for chemical gas sensors in 2nd International Congress on Advanced Materials at Zhenjiang, China, May 16-19, 2013.
2. Prof. P P Sahay delivered an expert lecture in Self financed Short Course “Advanced Materials Characterization Techniques-AMCT 2013” during June 3-7, 2013 at MNNIT Allahabad.
3. Dr. S. N. Pandey delivered expert lectures in Self financed Short Course “Recent Trends in Nonlinear Systems and Dynamics” during June 10-14, 2013 at MNNIT Allahabad.
4. Dr. S. N. Pandey delivered expert lectures in Self financed Short Term Course on “Advances in Materials Science and Engineering” during July 15-21, 2013 at MNNIT Allahabad.
5. Dr. Arvind Agarwal delivered two invited lectures on "EXAFS Studies of Surfactant- mediated NiO Nanoparticles" delivered on Oct. 17, 2013 at Institute of Physics, University of Brasilia, Brasilia, Brazil.
6. Dr. Arvind Agarwal delivered two invited lectures on “Synthesis of Nickel/Nickel Oxide Nanoparticles and Estimation of size of nickel nanoparticles by EXAFS and its comparison with TEM and XRD results" delivered on 18-10-2013 State University of Goias, at Anapolis, Brazil.

7. Dr. Arvind Agarwal delivered an expert lecture in Self financed Short Course "The role of basic science in engineering education" as one of the Coordinators during June 12-16, 2013 at MNNIT Allahabad.
8. Dr. Arvind Agarwal delivered an expert lecture in Self financed Short Course on "Advanced Materials Characterization Techniques" during June 3-7, 2013 at MNNIT Allahabad.
9. Dr. Arvind Agarwal delivered an expert lecture in Self financed Short Course on "Advances in Materials Science and Engineering" jointly organized by the Mechanical Engineering and Physics Departments of MNNIT, Allahabad during July 15-21, 2013.
10. Dr. Naresh Kumar delivered a lecture on "Low temperature growth of magnetic oxide thin films by pulsed laser deposition" on May 30, 2014 at Centre INRS-EMT (Énergie, Matériaux, Télécommunications) in Varennes (Greater Montreal) Canada.
11. Dr. Naresh Kumar delivered an expert lecture in a Self financed Short Course on "Modeling, Simulation, Processing and Characterization of Polymer Nanocomposite" during July 09-13, 2013 organized by the Mechanical Engineering Department of MNNIT Allahabad.
12. Dr. Naresh Kumar delivered an expert lecture in Self financed Short Course "Advances in Materials Science and Engineering" jointly organized by the Mechanical Engineering and Physics Departments of MNNIT, Allahabad during July 15-21, 2013.
13. Dr. Naresh Kumar delivered an expert lecture in Self financed Short Course on "Micromanufacturing: Materials, Processes and Systems" during July 08-12, 2013 organized by Mechanical Engineering Department and Applied Mechanics Department MNNIT Allahabad.
14. Dr. Naresh Kumar delivered an expert lecture in Self financed Short Course on "Advanced Materials Characterization Techniques" as one of the Coordinators during June 3-7, 2013 at MNNIT Allahabad.
15. Dr. A K Ojha delivered invited lecture titled Introduction to Raman Spectroscopy and its applications in the Workshop on Advanced Materials and Instrumentation in Biomedical Engineering, Mar. 10-15, 2014 Division of Applied Sciences, IIIT Allahabad.
16. Dr. A K Ojha delivered an expert lecture in Self financed Short Course on "Advanced Materials Characterization Techniques-AMCT 2013" as one of the Coordinators during June 3-7, 2013 at MNNIT Allahabad.

X. Coordinator/Co-ordinator in Workshop/Short Term Courses/Training Program:

1. Dr. S. N. Pandey organized Self financed Short Term Course on “Recent Trends in Nonlinear Systems and Dynamics” as Coordinator during June 10-14, 2013 at MNNIT Allahabad.
2. Dr. S. N. Pandey and Dr. Mukul Shukla (Mechanical Engineering Department) organized Self financed Short Term Course on “Advances in Materials Science and Engineering” as one of the Coordinator during July 15-21, 2013 at MNNIT Allahabad.
3. Dr. Naresh Kumar and Dr. A K Ojha organized Self financed Short Term Course on “Advanced Materials Characterization Techniques” as one of the Coordinators during June 3-7, 2013 at MNNIT Allahabad.
4. Dr. Arvind Agarwal, Dr. Tamal Ghosh (Chemistry Department) and Dr. Manoj Kumar (Mathematics Department) organized a self financed short term course on “The role of basic science in engineering education” as one of the Coordinators during June 12-16, 2013 at MNNIT Allahabad.
5. Dr. Naresh Kumar, Dr. Basant Kumar (ECED) and Dr. Sweta Tripathi (ECED) organized two days workshop on “Scientific Contributions of Acharya Prafulla Chandra Ray and Dr Jagdish Chandra Bose,” funded by TEQIP - II ad INSA in collaboration with University of Allahabad and Harish Chandra Research Institute, Allahabad, at MNNIT Allahabad as one of the Coordinators during Dec. 23-24, 2013.
6. Dr. Naresh Kumar and Dr. Sweta Tripathi (ECED) organized one day Workshop on “Multiphysics Simulation Using COMSOL” as one of the Coordinators on Jan. 08, 2014 at MNNIT Allahabad.

XI. Conferences/Workshop/Short term course/Training Program attended:

1. Dr. Arvind Agarwal attended Study Tour & Networking under TEQIP-II in the Electronic Spectroscopy Laboratory at Institute of Physics, University of Brasilia, Brazil during Oct. 12-21, 2013.
2. Dr. Arvind Agarwal attended a symposium on “XAFS: the past and the recent progress” at Graduate School of Advanced Integration Science, Chiba University, Japan held on Mar. 22, 2014.

10.14 SCHOOL OF MANAGEMENT STUDIES

I. Vision

To create managers who have the competence to operate efficiently at the domestic and global levels through their knowledge, skills and creativity, with personal integrity and social responsibility.

Mission

To be a provider of globally competitive, high quality managerial human resource. To promote and significantly contribute towards development of technologies and innovation appropriate to sustainable economic growth and enrichment of quality of life.

II. a) Courses Run by Department: MBA & Ph. D.

b) Courses in which students were admitted in 2013-14: MBA & Ph. D.

III. List of Ph. D. Thesis Completed:

Sl. No.	Name of Student (Reg. No.)	Thesis title	Supervisor
1.	Nidhi Tiwari BIT, Mesra	Women Entrepreneurs in Uttar Pradesh: An Empirical Study of Success Factors and Growth Prospects	Prof. Geetika
2.	Vikas Kr. Choubey 2008RMS02	Model Based Assessment of Net Operating Cycle and Its Elements on Profitability of Indian Manufacturing Industries	Dr. Tanuj Nandan
3.	Pramod Kr. Gupta 2009RMS54	A Framework for Mapping Supply Chain Risks and Mitigation Strategies	Dr. Tanuj Nandan
4.	Manmohan Mishra 2008RMS05	Towards e-health: A study of Indian Public & private Hospitals	Dr. G P Sahu
5.	Rajeev Srivastatva 2008RMS10	E-Waste Management: Developing a Model for Effective Take Back System in India	Dr. G P Sahu
6.	Rameshwar Dubey 2007RMS03	Role of Soft Dimensions in TQM Implementation: A study of Cement firms in India	Dr. Tripti Singh
7.	Sonal Agarwal 2009RMS03	Innovative HR practices : A study of Insurance Sector In India	Dr. Tripti Singh

IV. List of MBA Thesis Completed:

S. No.	Name of Student Reg. No.	Thesis Title	Supervisor
1.	Amit Kumar Jayaswal 2011MB19	FII's Investment and impact on valuation of BSE listed Company-A case study of RIL	Prof. Peeush Ranjan Agrawal
2.	Harshesh Kr Dwivedi 2011MB18	FII's Investment and impact on valuation of BSE listed Company-A case study of Infosys	Prof. Peeush Ranjan Agrawal
3.	Rajan Yadav 2011MB78	FII's Investment and impact on valuation of BSE listed Company-A case study of ITC	Prof. Peeush Ranjan Agrawal
4.	Saurabh Srivastava 2011MB36	FII's Investment and impact on valuation of BSE listed Company-A case study of Maruti Suzuki	Prof. Peeush Ranjan Agrawal
5.	Saurabh Yadav 2011MB51	FII's Investment and impact on valuation of BSE listed Company-A case study of TCS	Prof. Peeush Ranjan Agrawal
6.	Sharthak Pandey 2011MB22	FII's Investment and impact on valuation of BSE listed Company-A case study of Tata Motors	Prof. Peeush Ranjan Agrawal
7.	Sriram 2011MB54	FII's Investment and impact on valuation of BSE listed Company-A case study of L&T	Prof. Peeush Ranjan Agrawal
8.	Vandita Sachdeva 2011MB42	FII's Investment and impact on valuation of BSE listed Company-A case study of HUL	Prof. Peeush Ranjan Agrawal
9.	Arabhambhai K. Bhutiya 2011MB23	HR Aspects of M & A based on four case studies	Prof. Geetika
10.	Prashant Agrawal 2011MB08	Financial Analysis of Indian Pharmaceutical Firms-A comparative study of Cipla and Lupin on select variables	Prof. Geetika
11.	Suhasini Singh 2011MB11	An Analysis of tax reforms in IndiaPost liberalization with special reference to personal income tax	Prof. Geetika
12.	Sumit Mishra 2011MB81	An Emperical Study of personal financial need with financial planning	Prof. Geetika
13.	Yogeshwar Tiwari 2011MB64	An Analysis of Changes in value of Indian currency against dollars and role of microenvironmental Factors from 08-12	Prof. Geetika
14.	Prateek Kr Srivastava 2011MB13	India standing strong when world is shaken by global crisis - A study of its dimensions implications and learning's	Dr. Tanuj Nandan

15.	Aman Jaiswal 2011MB31	Impact of foreign investment on Indian banks	Dr. Tanuj Nandan Mr Shwetank Parihar
16.	Mayur Gautam 2011MB10	Technology Adoption-A study in context of PSB In India	Dr. Tanuj Nandan Mr Shwetank Parihar
17.	Sunil Kumar 2011MB50	Effective Implementation of relationship marketing in banks-A study on Allahabad City	Dr. Tanuj Nandan Mr Shwetank Parihar
18.	Maharath Mayukh 2011MB46	A study of performance of top ranked Sip's in mutual Fund Regarding current market scenario	Dr Tanuj Nandan Mr.Suman Gupta
19.	Shashank Narayan 2011MB25	Micro Finance in India-A comparative study on various delivery model implemented in India	Dr. Tanuj Nandan Mr.Suman Gupta
20.	Ayush 2011MB87	Comprehensive study of derivative products and investors perception towards derivative products in Allahabad city	Dr Tanuj Nandan Miss Bhumika Raj Dikshit
21.	Md. Nasim 2011MB77	Analysis and forecasting Volatility-Using GARCH and EWMA	Dr Tanuj Nandan Miss Bhumika R. Dikshit
22.	Sandeep Dhyani 2011MB09	Analysis and comparison of models for predicting volatility	Dr Tanuj Nandan Miss Bhumika R. Dikshit
23.	Varun Tripathi 2011MB68	Study of Value Perception of customers towards telecommunication-Service Providers in India	Dr Tanuj Nandan Miss Swati Gupta
24.	Ajita Singh 2011MB16	Employee perception on work life balance in retail sector	Dr.Triпти Singh
25.	Amrita Parashar 2011MB26	Time Management in public and private sector and its role in career development	Dr.Triпти Singh
26.	Divya Srivastava 2011MB80	Employee absenteeism in banking sector	Dr.Triпти Singh
27.	Manish Kr Arya 2011MB20	Role of financial institutions for development of real estate sector projects in Uttarakhand-A case study of HUDCO limited	Dr.Triпти Singh
28.	Manisha Yadav 2011MB29	Customer Satisfaction and Customer Service at Vodafone-A Study of Vodafone service provider in UPEast Region	Dr.Triпти Singh
29.	Pallavi Gupta 2011MB47	Women empowerment through micro finance	Dr.Triпти Singh
30.	Pavansut Mishra 2011MB60	How loyalty program effecting store choice of consumer in Indian retail	Dr.Triпти Singh

31.	Prachi Sinha 2011MB70	A feedback on the implementation of ERP system in the organization-A case study of IFFCO unit in Allahabad	Dr.Triпти Singh
32.	Perna Singh 2011MB52	A study of job satisfaction among nurses	Dr.Triпти Singh
33.	Ranjeet Paswan 2011MB59	Advertising effectiveness of NOKIA-A study on Allahabad city	Dr.Triпти Singh
34.	Ravi Prakash Jaiswal 2011MB67	Changing role of trade unions post liberalization	Dr.Triпти Singh
35.	Swati Agrawal 2011MB63	Factors influencing career Decision	Dr.Triпти Singh
36.	Aditi Joshi 2011MB02	A study of job satisfaction in banking employees	Dr. Piyali Ghosh
37.	Apsa Sinha 2011MB30	Employee Engagement and Justice-Study of bank employee in India	Dr.Piyali Ghosh
38.	Bhoomika Goyal 2011MB82	Satisfaction of employees with performance management system Talent, Link at Schneider	Dr.Piyali Ghosh
39.	Irfan Ahmad 2011MB32	Employee Safety at work	Dr.Piyali Ghosh
40.	Manish Ranjan 2011MB21	Effect of different reward programs on the inrole and extra role behavior of the sales employee	Dr.Piyali Ghosh
41.	Navin Kumar Mehta 2011MB39	Job Characteristics Organizational Support and Supervisor Support as Predictors of Employee Engagement-A study on bank Employees	Dr.Piyali Ghosh
42.	Saroj Yadav 2011MB49	FII's Investment and impact on valuation of BSE listed Company-A case study of Wipro Limited	Dr.Piyali Ghosh
43.	Shailesh Kumar Singh 2011MB83	Absenteeism and job satisfaction exploring the linkage in Indian manufacturing sector	Dr.Piyali Ghosh
44.	Sheikh Abdel Naser 2011MB04	Study of Job Satisfaction on Hospital Employees	Dr.Piyali Ghosh
45.	Ankit Kandoi 2011MB35	Factors affecting Consumer Perception Towards Online Advertising	Dr.Vibhuti Tripathi
46.	Ankur Srivastava 2011MB76	Effectiveness of Sales promotion in Hair Care category	Dr.Vibhuti Tripathi
47.	Anurag Srivastava 2011MB88	Factors Affecting Dinning Experience In Food Outlet	Dr.Vibhuti Tripathi
48.	Md. Manzer Imam 2011MB07	Retailers' Acceptance of Brand Extension of Dove	Dr.Vibhuti Tripathi
49.	Piyush Priyank 2011MB14	Factors affecting Dinning experience in food outlet	Dr.Vibhuti Tripathi

50.	Prakhar Srivastava 2011MB34	A Study of Ad effectiveness of cold drinks in the city of Allahabad	Dr.Vibhuti Tripathi
51.	Ritesh Kumar Mishra 2011MB89	Female consumer perception towards packaging of Tea in the Allahabad City	Dr.Vibhuti Tripathi
52.	Sachet Gaur 2011MB15	Factors affecting consumer perception towards online advertising	Dr.Vibhuti Tripathi
53.	Sakshi Singhanian 2011MB48	Effectiveness of Sales promotion in Hair Cair category in the city of Allahabad	Dr.Vibhuti Tripathi
54.	Shashank Kumar 2011MB17	Female consumer perception towards packaging of Tea in the Allahabad City	Dr.Vibhuti Tripathi
55.	Yogendra S. Khushwaha 2011MB62	Effectiveness of Brand Extension of Dove	Dr.Vibhuti Tripathi
56.	Alkesh Kr Mishra 2011MB69	Insuring seamless improvement in marketing performance through sales force competence management	Dr.Shefali Nandan
57.	Ankit Kumar Gupta 2011MB55	Adoption online banking with reference to technology adoption model	Dr.Shefali Nandan
58.	Anuj Jha 2011MB84	Adoption online banking technology in PSB's with reference to technology acceptance model	Dr.Shefali Nandan
59.	Maheep Kumar Yadav 2011MB44	Employee attitude towards safety	Dr.Shefali Nandan
60.	Manav Maheshwari 2011MB12	Insuring seamless improvement in marketing performance through sales force Competence	Dr.Shefali Nandan
61.	Navin Tiwari 2011MB90	A study of value perception of customers towards telecommunication service providers in India	Dr.Shefali Nandan
62.	Pawan Kumar Yadav 2011MB86	Service Quality of PSB's-A study on Allahabad City	Dr.Shefali Nandan
63.	Rakesh Kumar Niranjana 2011MB58	Role of PSB's in Financial inclusions	Dr.Shefali Nandan
64.	Ravi Ranjan 2011MB24	Service Quality of PSB's	Dr.Shefali Nandan
65.	Sumit Kumar 2011MB61	Employee attitude towards safety-A Study on safety behavior at NTPC	Dr.Shefali Nandan
66.	Swati Pandey 2011MB37	Influencer of change acceptance among managers at IFFCO Phulpur	Dr.Shefali Nandan

V. Publication in Journals *International*:

1. P. R. Agrawal, (co-authored), "Impact of Key Market Parameters on Change in Investment Pattern of FIIs in India during Pre and Post Sub-Prime Crisis Period," *Skyline Business Journal*, UAE, 2013. (Impact Factor: not available).

2. Geetika, P. Ghosh, A. Rai, J. P. Joshi, and P. Singh, "Measuring Workers' Satisfaction with Grievance Handling Procedure: Study of a Power Distribution Major in India," *Asian J. of Management Cases*, vol. 11, pp. 139-157, 2014. (Impact Factor: not available).
3. A. M. Dubey, Geetika, G. P. Sahu, "Effective implementation of competitive advantage and sustainable competitive advantage: a conceptual model," *Int. J. of Business Innovation and Research*, pp. 519-533; Inderscience Publishers, 2013. (Impact Factor: not available).
4. T. Nandan and P. Agrawal, "Violation of Lower Boundary Conditions for CNX Nifty Index Options: An Empirical Study," *Asia-Pacific Finance and Accounting Review*, vol. 1, Apr-June, 2013. (Impact Factor: not available).
5. T. Nandan, P. Agrawal, and S. Bhatnagar, "Mispricing in CNX Nifty Futures: An Empirical Investigation," *Asia-Pacific J. of Management Research and Innovation*, vol. 10,(Impact Factor: not available).
6. A. Gupta and G. P. Sahu, "Exploring Relationship Marketing Dimensions and Their Effect on Customer Loyalty-A Study of Indian Mobile Telecom Market," *Int. J. of Business Innovation and Research*, vol. 8, 2014. (Impact Factor: not available).
7. P. Dwivedi and G. P. Sahu, "Adoption of information and communication technology towards growth of small and medium enterprises: a case study of Indian enterprises," *Int. J. of Indian Culture and Business Management*, vol. 8, pp. 182-197, 2014. (Impact Factor: not available).
8. P. Panda and G. P. Sahu, "Fulfilling Public Procurement Expectations in India: Need of Legislative Intervention," Oct 22-25 2013, Seoul, Republic of Korea. ACM Digital Library. DOI: 10.1145/2591888.2591905, 2013. (Impact Factor: not available).
9. B. Gupta and G. P. Sahu, "Towards a Model for Adoption of Green IS Practices," *Int. J. of Management Research*, vol. 4, pp. 9-42, 2013. (Impact Factor: not available).
10. A. M. Dubey, G. Goel, and G. P. Sahu, "Effective implementation of competitive advantage and sustainable competitive advantage: a conceptual model," *Int. J. of Business Innovation and Research*, vol. 7, pp. 519-535, 2013. (Impact Factor: not available).
11. A. Gupta and G. P. Sahu, "Factors Influencing Adoption of Relationship Marketing Practices for Overall Growth of the Firm: An ISM Based Model Validation," *Int. J. of*

Electronic Customer Relationship Management, vol. 7, pp. 21-44, 2013. (Impact Factor: not available).

12. V. Srivastava and T. Singh, "Exploring Determinants of Closeness in Manufacturer-Supplier Relationships: A study of Select Indian Manufacturing Firms," *J. of Relationship Marketing*, Taylor and Francis, vol. 12, pp. 1-21, 2013. (Impact Factor: not available).
13. P. Ghosh, R. Satyawadi, J. P. Joshi, and M. Shadman, "Who Stays with You? Factors Predicting Employees' Intention to Stay," *Int. J. of Organizational Analysis*, vol. 21, pp. 288-312, 2013. (Impact Factor: not available).
14. P. Ghosh, A. Rai, and A. Sinha, "Organizational Justice and Employee Engagement: Exploring the Linkage in Public Sector Banks in India," *Personnel Review*, vol.43, pp. 628-652, 2014. (Impact Factor: not available).
15. A. Tandon, V. Tripathi, and A. Gupta, "The Viability of Benefit Segmentation in Tier-II cities of India, Identifying Benefits Sought by Indian Customer," *Int. J. of Business Innovation & Research, Inderscience, UK*, 2014. (Impact Factor: not available).
16. A. Tandon, V. Tripathi, and A. Gupta, "The Transformation of Value and Evolution of Customer Experiences," *Int. J. of Indian Culture and Business Management, Inderscience, UK*, vol. 8, pp. 424-441, 2014. (Impact Factor: not available).

VI. Publication in Journals National:

1. P. R. Agrawal, R. K. Srivastava, and T. Agarwal, "20 Years, On Inception: FIIs Impact on Indian Financial Market," *The Ind. J. of Economics*, XIVC, vol. 373, pp. 201-225, 2013. (Impact Factor: not available).
2. A. Gupta, G. P. Sahu, M. Mishra, and A. M. Dubey, "E-Governance in India: Transformation in Approach," *Uttaranchal Business Review*, vol. 1, pp. 133-142, 2014. (Impact Factor: not available).
3. P. Panda and G. P. Sahu, "Critical Success Factors for e-Gov Project: A Unified Model," *IUP J. of Supply Chain Management*, vol. 10, pp. 13-26, 2013. (Impact Factor: not available).
4. T. Singh, A. S. Kapur, V. Allada, and R. Singh, "A Study of Talent Management in Indian Industries for Intellectual Capital Development and Institution Building," *RBS Business Review J. of Business Management*, vol. 1, 2013. (Impact Factor: not available).

VII. Publication in Conferences:

1. P. Panda, and G. P. Sahu, “Fulfilling Public Procurement Expectations in India: Need of Legislative Intervention,” in *7th Int. Conf. on Theory and Practice of Electronic Governance, Seoul, Republic of Korea*, held during Oct. 22-25, 2013.

VIII. Papers Presented at Conference Nil

IX. Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Tanuj Nandan	International Journal of Supply Chain and Inventory Management
2	Dr. Tripti Singh	The TQM Journal, Emerald
3	Dr. Tripti Singh	Journal of Humanitarian Logistics and Supply Chain Management , Emerald
4	Dr. Piyali Ghosh	Guest Editor of Journal of Entrepreneurship and Innovation, Springerlink
5	Dr. Piyali Ghosh	Reviewer of International Journal of Retail & Distribution Management, Emerald Group Publishing Ltd.
6	Dr. Piyali Ghosh	Reviewer of Journal of Marketing Management, Taylor & Francis
7	Dr. Piyali Ghosh	Reviewer of The International Review of Retail, Distribution and Consumer Research, Taylor & Francis
8	Dr. Vibhuti Tripathi	Asia Pacific Marketing Review
9	Dr. Vibhuti Tripathi	African Journal of Business Management

X. Book(s)/ Book(s) Chapter authored:

S. No.	Faculty (Author/ Editor)	Book	Book Chapter	Publisher
1.	P. Panda G. P. Sahu	Proceedings of ICEGOV 2013	Fulfilling Public Procurement Expectations in India: Need of Legislative Intervention	ICEGOV
2.	Rameshwar Dubey Tripti Singh	Mechanism Design for Sustainability	Study on Soft TQM practices in Indian Cement Industry and its Impact on Organizational Performance-An Empirical Study	Springer Publications
3.	V. Tripathi, A. Tandon	Revisiting Organizational Offerings-The Commercial Perspective of Experience	Changing Face of Modern Retail: The New Economic Order	Excel India Publishers

XI. Conference/Workshop/Short Term Course Organized:

Sl. No.	Conference/Workshop/Short Term Course	Chair/Co-Chair/Coordinator	Month & Year
1.	Business Analysis and Perspectives of Foreign Investments in India Workshop at SMS, MNNIT Self Finance	Prof. Peeush Ranjan Agrawal/ Coordinator and Chairman	June 24-30, 2013
2.	Investor Awareness Programme, in collaboration with Bombay Stock Exchange Ltd.	Dr. Tanuj Nandan/ Coordinator	Nov. 19, 2013
3.	Engineering Mechanic	Dr. G P Sahu/ Remote Center Coordinator	Nov. 26- Dec.6, 2013
4.	Signals & Systems	Dr. G P Sahu/ Remote Center Coordinator	Jan. 2-12, 2014
5.	Latest Information Technology Trends	Dr. G P Sahu/ Coordinator	Apr. 15, 2013
6.	5 day Short Term Training Program on, 'Research Methodology'	Dr. Tripti Singh/ Coordinator	Apr. 29-May 3, 2013
7.	5 day Short Term Training Program on 'Emerging Trends in Industrial Relations'	Dr. Piyali Ghosh	May 27-31, 2013
8.	Short Term Training Program on Case Study Methods	Dr. Vibhuti Tripathi / Coordinator	June 7-11, 2013

XII. Invited lectures delivered:

1. Lecture delivered, Prof. Geetika, on June 15, 2013 at the Orientation Programme for Ph.D. students at Nehru Gram Bharti University, Allahabad, on "Intellectual Property Rights".
2. Lecture delivered, Prof. Geetika, on June 14, 2013 at Rotary International, Annual Convention, Allahabad, "Foreign Trade, Balance of Payments and Devaluation of Rupee".
3. Lecture delivered, Prof. Geetika, during June 7-12, 2013, at Short Term Training Programme, School of Management Studies, MNNIT Allahabad, "Case Study methods and Techniques".
4. Lecture delivered, Prof. Geetika, during June 4-8, 2013 at Short Term Training Programme on Human Health and Environmental Sustainability, Department of Biotechnology, MNNIT Allahabad, "Intellectual Property Rights and Bioethics".
5. Lecture delivered, Prof. Geetika, during May 27-31, 2013, at Short Term Training Programme on Industrial Relations, School of Management Studies, MNNIT Allahabad, "Rights at Workplace".

6. Lecture delivered, Prof. Geetika, during May 28 to June 1, 2013, at Short Term Training Programme on Frontiers in Biotechnology, Department of Bio-technology, MNNIT Allahabad, “Intellectual Property Rights and Biotechnology”.
7. Lecture delivered, Prof. Geetika, during May 20-24, 2013, at Short Term Training Programme on Teaching Methodology, School of Management Studies, MNNIT Allahabad, “Case Study Method of Teaching”.
8. Keynote Lecture, Prof. Geetika, during Apr. 12-13, 2013, at National conclave on International business & third world: An Indian Perspective on organized by STEP-HBTI Kanpur, “International Business and India: Trends, Alternatives and Strategies”.
9. Keynote Address, Dr. Tanuj Nandan, Associate Professor, on Mar. 13-14, 2014 at VNS Business School Bhopal, AICTE Sponsored International Seminar “Emerging Trends in Banking, Financial Services and Insurance Sector”.
10. Keynote Address, Dr. Tanuj Nandan, Associate Professor, on Feb. 18-19, 2014 at UP Rajarshi Tandon Open University, Allahabad National Seminar on “Indian Preparations to Face the Opportunities and Challenges in the Post Recession Era: A Management Perspective, organized”.
11. Invited lecture, Dr. Tanuj Nandan, Associate Professor on July 2013 and Aug. 2013 at the Training Programs on Quality Management System, NITTTR Bhopal on “Statistical Process Control”.
12. Invited lecture, Dr. Tanuj Nandan, Associate Professor on June 25, 2013 at MDP/ Short Term Training Program on Business Analysis and Perspectives of Foreign Investments in India, MNNIT Allahabad “Balance of Payments”.
13. Invited lecture, Dr. Tripti Singh, Assistant Professor on Feb., 2014 at AIR Allahabad on “Quality of Work Life in Indian Organization”.
14. Invited lecture, Dr. Vibhuti Tripathi, Assistant Professor on May 25, 2013 at Short Term Training Program on Teaching Methodology, SMS, MNNIT Allahabad on “E-Content Development, Delivery and Prospects”.

XIII. Invited lectures organized

1. A Lecture delivered by, Prof. P.S. Tripathi, Faculty of Management Studies, BHU on Aug. 5, 2013, on “Entrepreneurship and Innovation”.

2. A Lecture delivered by, Prof. Ashish Bajpai, Faculty of Management Studies, BHU on Aug. 5, 2013 on “Contemporary Marketing Practices to Handle Customer Relationship Management”.
3. A Lecture delivered by, Mr. Shailendra N. Jaiswal, Senior Professor, Railway Staff College, Vadodara on Aug. 22, 2013 on “Innovation for Customer Satisfaction”.
4. A Lecture delivered by, Prof. P. N. Mishra, Director, Institute of Management Studies, Devi Ahilya Vishwavidyalaya, Indore on Sept. 2, 2013, on “Contemporary Management Thoughts”.
5. A Lecture delivered by, Prof. O. P. Rai, Faculty of Commerce, BHU on Sept. 17, 2013, on “Interview Management”.
6. A Lecture delivered by, Prof. S.Rangnekar, Head, Department of Management Studies, IIT Roorkee on Oct. 7, 2013, “Emerging Trends in Management: An HR Perspective”.
7. A Lecture delivered by, Prof. Sanjay Kumar Srivastava, Director, Institute of Business Management, CSJM University, Kanpur on Jan. 6, 2014, on “Financial Inclusion, Financial Literacy, Financial Ethics and Financial Analysis”.
8. A Lecture delivered by, Prof. Sanjeev D. Vaidhya, IIM Calcutta on Jan. 15, 2014, “Innovation and Use of ICT”.
9. A Lecture delivered by, Mr. S. K. Srivastava, Chief Engineer, Railways Feb., 10, 2014, “What We Are Really We Are?”.
10. A Lecture delivered by, Mr. V Nalwaya (AGM, Bank of Baroda), Allahabad Region on Mar. 13, 2014, “Banking Processes and Operations of Public Sector Banks in India”.

XIV. Coordinator/Co-coordinator in Workshops/Short-Term Courses/Training Programme:

1. Dr. Tanuj Nandan, Coordinator, Investor Awareness Programme, in collaboration with Bombay Stock Exchange Ltd., Nov. 19, 2013.
2. Dr. Tanuj Nandan, Coordinator, Training Program on “Preparing Students for Job Interviews” at NITTTTR Bhopal, Sept. 9-13, 2013.
3. Dr. Tanuj Nandan, Coordinator, Training Program on “Communication, Leadership and Effective Presentation” for the Directorate of Urban Administration and Development, Government of Madhya Pradesh, July 22-24, 2013.

4. Dr. G. P. Sahu, Remote Center Coordinator, Two Week ISTE Main workshop on “Engineering Mechanic,” Under the National Mission on Education through ICT (MHRD, Govt. of India), Nov. 26 to Dec.06, 2013.
5. Dr. G. P. Sahu, Remote Center Coordinator, Two Week ISTE Main workshop on “Signals & Systems,” Under the National Mission on Education through ICT (MHRD, Govt. of India), Jan. 02-12, 2014.
6. Dr. G. P. Sahu, Coordinator, Faculty Development Programme on Latest Information Technology Trends, Apr. 15, 2013.
7. Dr. Tripti Singh, Coordinator, 5 days Short Term Training Program on, “Research Methodology”, Apr. 29 to May 03, 2013.
 8. Dr. Tripti Singh, Coordinator, 5 days Short Term Training Program on, “Self Defense for Women”, Oct., 2013.
 9. Dr. Piyali Ghosh, Coordinator, 5 days Short Term Training Program on, “Emerging Trends in Industrial Relations”, May 27-31, 2013.
 10. Dr. Vibhuti Tripathi, Coordinator, 5 days Short Term Training Program on, “Case Study Methods”, June 7-11, 2013.

XV. Conferences/ Workshops/Short-Term Courses/Training Programme Attended:

1. Dr. Tanuj Nandan, Second World Summit on Accreditation, organized by the National Board of Accreditation, Mar. 08-10, 2014.
2. Dr. Tanuj Nandan, National Seminar on Indian Preparations to Face the Opportunities and Challenges in the Post Recession Era: A Management Perspective, UP Rajarshi Tandon Open University, Allahabad, India, Feb. 18-19, 2014.
3. Dr. Tanuj Nandan, Staff Development Programme on Quality Management System/Quality Technology Tools for Polytechnic Teachers, NITTTR Bhopal on July 29-Aug. 02, 2013.
4. Dr. Tanuj Nandan, Short Term Training Program on Business Analysis and Perspectives of Foreign Investments in India, MNNIT Allahabad, India, on June 24-30, 2013.
5. Dr. Piyali Ghosh, Short Term Training Program on Research Methodology, MNNIT Allahabad, India, on Research Methodology,” Apr. 29 to May 3, 2013.

6. Dr. Piyali Ghosh, Faculty Development Programme on Teaching Methodology, MNNIT Allahabad, India, May 20-26, 2013.
7. Dr. Vibhuti Tripathi, Short Term Training Program on Research Methodology, MNNIT Allahabad, India, on Research Methodology', Apr. 29 to May 3, 2013.
8. Dr. Vibhuti Tripathi, Faculty Development Programme on Teaching Methodology, MNNIT Allahabad, India, May 20-26, 2013.

XVI. Research Project Ongoing/Completed:

Sl. No.	Principal Investigator	Project Title	Funding Agency	Amount (INR in Lacs)	Duration (Status)
1.	Prof. Geetika	Multi-partnership Model of Self Sustainable Shelters for Urban Homeless Poor	Human Settlement Management Institute, HUDCO, New Delhi	16.00	May, 2013- May, 2015 (Ongoing)
2.	Dr. Tripti Singh	Human Resource Competency Mapping amongst Women Self Help Groups in Uttar Pradesh	ICSSR New Delhi	5.00	May 2013-May 2015 (Ongoing)
3.	Dr. Piyali Ghosh	Multi-partnership Model of Self Sustainable Shelters for Urban Homeless Poor	Human Settlement Management Institute, HUDCO, New Delhi	16.00	May, 2013- May, 2015 (Ongoing)

XVII. Other relevant information:

- a) Prof. Geetika, Head, School of Management Studies (2013-15).
- b) Prof. Geetika, Chairperson, IPR Standing Committee (2013-15).
- c) Prof. Geetika, Chairperson Women Grievance Committee (2013-15).
- d) Prof. Peeush Ranjan Agrawal, Advisory Committee, MNNIT, Allahabad.
- e) Dr. Tanuj Nandan, Faculty In-charge, Training and Placement, MNNIT.
- f) Dr. G. P. Sahu, Received prestigious **Raman Fellowship Award 2013** for Post Doctoral Research; sponsored by the UGC, Government of India.

11

FINANCIAL AND ACCOUNT DETAILS

Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Motilal Nehru National Institute of Technology, Allahabad for the year ended on 31 March 2012.

We have audited the attached Balance Sheet of Motilal Nehru National Institute of Technology (NIT), Allahabad as at 31 March 2012, the Income & Expenditure Account and Receipts & Payments Account for the year ended on that date, under Section 19(2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971. These financial statements are the responsibility of the NIT's management. Our responsibility is to express an opinion on these financial statements based on our audit.

This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observation on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any are, reported through Inspection Report/CAG's Audit Reports separately.

We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

Based on our audit, we report that:

- i. We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;

ii. The Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report have been drawn up in the format prescribed by the Government of India.

iii. In our opinion, proper books of accounts and other relevant records have been maintained by the Motilal Nehru National Institute of Technology, Allahabad in so far as it appears from our examination of such books.

iv. We further report that :

A. Balance Sheet

A.1 A bus worth ₹ 17,78,897.00 purchased during the year was not capitalized. This resulted in understatement of assets by ₹ 17,78,897.00 and overstatement of expenditure for the year 2011-12 by the similar amount.

B. Receipts and Payments Account

B.1 Scrutiny of Receipts and Payments account of the of the NIT revealed that the receipts and payments of its two subsidiary units have not been incorporated. Details are as under.

S.NO	Unit	Receipt (₹)	Payment(₹)
1.	Research Project	55916077.40	55916077.40
2.	Testing and consultancy	156949929.42	156949929.42
	Total	212866006.82	212866006.82

Thus, by not incorporating the receipts and payments of its subsidiary units, the receipts and payments of the NIT is understated by ₹ 21.29 crore.

C. Grants in Aid

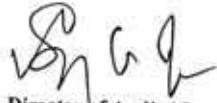
During the year 2011-12 the NIT received Grants of ₹74.50 crore (Plan ₹ 31.50 crore Non Plan ₹ 43.00 crore) and NIT receipts ₹ 11.92 crore (Non Plan). After taking opening balance of ₹ 58.84 crore (as per closing balance of previous year SAR) and utilizing the Grant and other income ₹ 60.63 crore, there was an unspent balance of ₹ 84.63 crore.

v. Subject to our observation in the preceding paragraphs, we report that the Balance Sheet, Income & Expenditure Account and Receipts & Payments Account dealt with by this report are in agreement with the books of accounts.

vi. In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and subject to the significant matters stated above and other matters mentioned in annexure give a true and fair view in conformity with accounting principles generally accepted in India :

- a. In so far as it relates to the Balance Sheet, of the state of affairs of the Motilal Nehru National Institute of Technology, Allahabad as at 31 March 2012; and
- b. In so far as it relates to Income & Expenditure Account of the surplus for the year ended on the date.

For and on behalf of the C&AG of India



Principal Director of Audit (Central)

Place : Lucknow
Date : 14-02-2013

ANNUAL ACCOUNT: 2013-2014

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

BALANCE SHEET AS AT 31ST MARCH 2014

(Amount-Rs)

LIABILITIES/ SOURCES OF FUNDS	Sch	CURRENT YEAR	PREVIOUS YEAR
CORPUS			
GENERAL FUND	1	-	-
DESIGNATED/ EARMARKED FUNDS	2	1,783,698,282.42	1,582,840,373.87
CAPITAL FUND	3	260,501,119.00	252,306,655.00
	4	555,082,037.65	686,306,666.74
LOANS & BORROWINGS:	5		
SECURED LOANS AND BORROWINGS		-	-
UNSECURED LOANS AND BORROWINGS		-	-
CURRENT LIABILITIES AND PROVISIONS	6	268,705,742.39	233,538,012.89
TOTAL		2,867,987,181.46	2,754,991,708.50
ASSETS/ APPLICATION OF FUNDS	Sch	CURRENT YEAR	PREVIOUS YEAR
FIXED ASSETS			
TANGIBLE ASSETS	7	1,582,698,504.22	1,331,004,114.74
INTANGIBLE ASSETS			
CAPITAL WORK-IN-PROGRESS			
INVESTMENTS:	8		
LONG TERM		254,349,981.00	246,394,373.00
SHORT TERM		-	-
CURRENT ASSETS	9	890,260,085.85	1,033,692,710.76
LOANS, ADVANCES & DEPOSITS	10	140,678,610.39	143,900,510.00
TOTAL		2,867,987,181.46	2,754,991,708.50
SIGNIFICANT ACCOUNTING POLICIES			
CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS	22		

CHARTERED ACCOUNTANT

DY. REGISTRAR (A/CS)

REGISTRAR

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2014

(Amount-Rs)

PARTICULARS	Sch	CURRENT YEAR	PREVIOUS YEAR
<u>INCOME</u>			
ACADEMIC RECEIPTS	11	228,340,748.62	183,522,009.00
GRANTS & DONATIONS	12	785,936,593.09	715,672,525.26
INCOME FROM INVESTMENTS	13	-	-
OTHER INCOMES	14	126,883,162.42	109,171,467.81
TOTAL (A)		1,141,160,504.13	1,008,366,002.07
<u>EXPENDITURE</u>			
STAFF PAYMENTS & BENEFITS	15	500,787,042.00	401,160,694.10
ACADEMIC EXPENSES	16	91,588,275.47	84,637,659.32
ADMINISTRATIVE AND GENERAL EXPENSES	17	208,566,323.35	116,855,932.89
TRANSPORTATION EXPENSES	18	1,421,821.00	1,117,234.00
REPAIR & MAINTENANCE	19	53,114,403.52	48,782,033.76
FINANCE COSTS	20	-	-
OTHER EXPENSES	21	-	-
DEPRECIATION (Net Total authorities the year end corresponding to Schedule 7)		116,107,733.00	129,174,794
TOTAL (B)		971,585,598.34	781,728,348.07
Balance being excess of income over expenditure (A-B)		169,574,905.79	226,637,654.00
Transfer to /from Designated fund, Buiding Fund, Others)		-	-
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO GENERAL FUND		169,574,905.79	226,637,654.00
NOTES TO ACCOUNT	22		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS.			

CHARTERED ACCOUNTANT

DY. REGISTRAR (A/CS)

REGISTRAR

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

SCHEDULE 1 - CORPUS

	CURRENT YEAR	PREVIOUS YEAR
		(Amount-Rs)
<u>INSTITUTE</u>		
Balance as at the beginning of the year	-	-
Add: Contributions towards Corpus	-	-
Deduct: Asset written off during the year created out of corpus	-	-
	-	-
BALANCE AS THE YEAR END	-	-

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

SCHEDULE 2- GENERAL FUND

	CURRENT YEAR	PREVIOUS YEAR	(Amount-Rs)
<u>INSTITUTE</u>			
<u>Balance as at the beginning of the year - Ref Annexure A (1)</u>	1,422,687,204.00	1,218,261,514.00	
Add: Contributions towards General Fund			
Add/(Deduct): Balance of net income/(expenditure) transferred from the Income and Expenditure Account	169,574,905.79	226,637,654.00	1,444,899,168.00
<u>FUND ACCOUNT-SUBSIDIARIES - Ref Annexure A (2)</u>	191,436,172.63		137,941,205.87
<u>BALANCE AS THE YEAR -END</u>	<u>1,783,698,282.42</u>		<u>1,582,840,373.87</u>

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET
GENERAL FUND ACCOUNT - INSTITUTE

ANNEXURE A(1) OF SCH 2

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2013	Journal Entry Adjustments	As at March 31, 2014	As at March 31, 2013
INSTITUTE:				
Land	52,145,714.00	-	52,145,714.00	52,145,714.00
Amount utilised for the Capital Expenditure	527,337,030.00	-	527,337,030.00	527,337,030.00
Capital Fund Transferred from TEQIP	148,734,956.00	-	148,734,956.00	148,734,956.00
Capital Fund Transferred from ITN Course	(116,253.00)	-	(116,253.00)	(116,253.00)
Capital Fund Transferred from Class Pilot				
Project	94.00	-	94.00	94.00
Capital Fund Transferred from SC/ST Pre Exam				
Training Center	26,530.00	-	26,530.00	26,530.00
	728,128,071.00	-	728,128,071.00	728,128,071.00
Less: Apportioned Amount of Depreciation	235,171,206.00	22,211,964.00	257,383,170.00	235,171,206.00
Add: Excess of Income over Expenditure during	492,956,865.00	(22,211,964.00)	470,744,901.00	492,956,865.00
the year (Op Bal)	951,942,303.00	-	951,942,303.00	725,304,649.00
TOTAL	1,444,899,168.00	(22,211,964.00)	1,422,687,204.00	1,218,261,514.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE A(2) OF SCH 2

FUND ACCOUNT - SUBSIDIARIES

Particulars	Opening Balance as on 01/04/2013	Add: Income (as per Annexure i)	Less: Expense (as per Annexure ii)	Journal Entry Adjustments	As at	As at
					March 31, 2014	March 31, 2013
Alumni Association	4,446,150.50	858,402.00	719,713.00	-	4,584,839.50	4,446,150.50
Dean Academic Affairs	20,807,892.00	827,126.00	9,929,305.50	-	11,705,712.50	20,807,892.00
G.K. Agarwal Trust	135,115.00	28,729.00	-	-	163,844.00	135,115.00
Industrial Estate	14,509,228.31	4,528,733.38	1,123,850.00	-	17,914,111.69	14,509,228.31
Nodal Center	252,192.00	15,611.00	574,807.00	-	(307,004.00)	252,192.00
P.D.T.C.	(203,298.00)	6,950.00	27,062.00	-	(223,410.00)	(203,298.00)
Project Account	(76,223.10)	5,084,569.88	16,824.00	-	4,991,522.78	(76,223.10)
Research & Consultancy Cell	71,004,402.16	24,993,879.00	1,376,635.00	11,916,989.00	106,538,635.16	71,004,402.16
School of Non Formal Continuing Education (SNFCE)	2,654,317.00	2,310,817.00	1,703,462.00	-	3,261,672.00	2,654,317.00
Sponsored Gold Medal	238,061.00	14,086.00	-	176,637.00	428,784.00	238,061.00
Student Welfare Fund	10,941,523.00	2,464,939.00	964,951.00	-	12,441,511.00	10,941,523.00
TEQP - II	13,055,305.00	35,791,297.00	19,118,216.00	-	29,728,386.00	13,055,305.00
Text Book Lending Bank	176,541.00	52,258.00	21,231.00	-	207,568.00	176,541.00
TOTAL	137,941,205.87	76,977,397.26	35,576,056.50	12,093,626.00	191,436,172.63	137,941,205.87

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE (i) OF SCH 2 (A-2)

INCOME FROM SUBSIDIARY FUNDS

Particulars	Current Year 2013-2014	Previous Year 2012-13
(Amount in Rs.)		
1) Interest Received		
a) On Term Deposits with Scheduled Banks:		
Alumni Association	154,753.00	179,532.00
G.K. Agarwal Trust	22,200.00	22,501.00
Industrial Estate	1,102,119.00	1,030,953.00
Project Account	-	4,323,828.00
Research & Consultancy Cell	-	22,043,218.00
SNFCE	756,097.00	816,125.00
Sponsored Gold Medal	10,291.00	2,307.00
Sponsored Gold Medal-Prior Period	246.00	
Student Welfare Fund	1,594,013.00	1,292,485.00
Student Welfare Fund- Prior Period	<u>44,128.00</u>	-
	3,683,847.00	
b) Accrued Interest:		
T.D.R. with Alumni Association	-	36,582.00
T.D.R. with R&C Cell	18,017,137.00	-
T.D.R. with Project Account	3,739,066.00	
T.D.R. with Sponsored Gold Medal	2,435.00	1,850.00
Student Welfare Fund		
T.D.R. with Student Welfare Fund	109,675.00	198,162.00
T.D.R. out of Caution Money	<u>149,578.00</u>	123,069.00
	22,017,891.00	
c) On Savings Account with Scheduled Bank:		

Alumni Association	105,149.00	80,900.00
Dean Academic Affairs	737,898.00	756,779.00
G.K. Agarwal Trust	6,529.00	5,411.00
Nodal Centre (NTMIS)	15,611.00	30,687.00
P.D.T.C.	6,950.00	6,698.00
Project Account	330,208.38	667,198.00
Research & Consultancy Cell	903,728.00	640,570.00
SNFCE	193,251.00	227,340.00
Sponsored Gold Medal	1,114.00	981.00
Student Welfare Fund	186,131.00	262,179.00
TEQIP - II	381,370.00	792,325.00
TEQIP - II- Prior Period	409,927.00	-
Text Book Lending Bank	<u>16,841.00</u>	15,630.00
	3,294,707.38	

2) Revenue Income:

Alumni Association	598,500.00	1,916,061.50
Dean Academic Affairs	89,228.00	10,566,175.00
Industrial Estate	1,975,200.46	1,697,358.31
Industrial Estate - Prior period Income	1,451,413.92	-
Nodal Centre	-	3,157,381.00
Project Account	1,015,295.50	785,816.00
Research & Consultancy Cell	6,073,014.00	5,959,521.00
SNFCE	1,361,469.00	658,750.00
Student Welfare Fund	381,414.00	163,100.00
TEQIP	35,000,000.00	-
Text Book Lending Bank	<u>35,417.00</u>	38,729.00
	47,980,951.88	

TOTAL 76,977,397.26 58,500,201.81

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE (ii) OF SCH 2 (A-2)

EXPENDITURE OF SUBSIDIARIES

(Amount in Rs.)

Particulars	Current Year 2013-14	Previous Year 2012-13
Alumni Association	719,713.00	1,732,116.00
Dean Academic Affairs	9,929,305.50	2,521,961.00
Industrial Estate	821,956.00	595,985.00
Nodal Centre (NTMIS)	574,807.00	2,751,944.00
Project Account	16,824.00	47,538.00
Research & Consultancy Cell	1,376,635.00	1,575,398.00
School of Non Formal Continuing Education	1,703,462.00	3,150,315.00
Student Welfare Fund	964,951.00	778,603.00
TEQIP - II	19,118,216.00	7,811,303.00
Text Book Lending Bank	21,231.00	23,193.00
SUBSIDIARY FUNDS		
On Others Loans		
Industrial Estate	301,894.00	301,894.00
PDTC	27,062.00	27,062.00
TOTAL	35,576,056.50	8,383,669.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

SCHEDULE 3-EARMARKED/ENDOWMENT FUNDS

(Amount-Rs)

PARTICULARS	FUND -WISE BREAK UP							TOTAL	
	GPF	CPF	NPS	Corpus Fund	Staff Development	Development/ Renewal Fund	Maintenance Fund	CURRENT YEAR	PREVIOUS YEAR
a) Opening balance of the funds	195,194,960.00	11,512,610.00	39,686,803.00	3,547,074.00	1,182,498.00	591,355.00	591,355.00	252,306,655.00	206,096,451.00
b) Additions to the Funds:									
i. Donations/ grants	28,625,729.00	443,192.00	16,727,623.00	-	-	-	-	45,796,544.00	38,566,498.00
ii. Income from investments made of the funds	-	-	-	-	-	-	-	-	-
iii. Accrued interest on investments of the funds	2,115,916.00	320,078.00	3,379,607.00	143,301.00	47,773.00	23,891.00	23,891.00	6,054,457.00	20,737,953.00
iv. Other additions (specify nature)	-	-	-	-	-	-	-	-	27,747,389.00
TOTAL (a+b)	225,936,605.00	12,275,880.00	59,794,033.00	3,690,375.00	1,230,271.00	615,246.00	615,246.00	304,157,656.00	293,148,291.00
c) Utilization/Expenditure towards objectives of funds									
i. Capital Expenditure									
Fixed Assets	39,818,501.00	2,819,759.00	1,018,277.00	-	-	-	-	43,656,537.00	28,330,464.00
Others	39,818,501.00	2,819,759.00	1,018,277.00	-	-	-	-	43,656,537.00	28,330,464.00
Total									
ii. Revenue Expenditure									
Salaries, Wages and allowances etc.									
Rent									
Other Administrative expenses									
Total									
TOTAL (C)	39,818,501.00	2,819,759.00	1,018,277.00	-	-	-	-	43,656,537.00	40,841,636.00
NET BALANCE AS THE YEAR END (a+ b-c)	186,118,104.00	9,456,121.00	58,775,756.00	3,690,375.00	1,230,271.00	615,246.00	615,246.00	260,501,119.00	252,306,655.00

CHARTERED ACCOUNTANT

Y. REGISTRAR A/C/S

REGISTRAR

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

SCHEDULE 4 - CAPITAL FUNDS

(Amount-Rs)

PARTICULARS	CENTRAL GOVERNMENT - PLAN	CENTRAL GOVERNMENT - NON PLAN	DEFERRED GOVERNMENT GRANT	CURRENT YEAR TOTAL	PREVIOUS YEAR
a) Opening balance of the funds	95,538,816.00	214,717,959.00	376,049,891.74	686,306,666.74	736,363,158.00
b) Additions to the Funds:					
i. Donation/Grants	242,500,000.00	390,000,000.00	-	632,500,000.00	640,000,000.00
ii. Income from investments made on account of fund	-	-	-	-	-
iii. Accrued interest on investments of the funds	-	-	-	-	-
iv. Other additions (specify nature)	-	-	-	-	-
Institute Receipts	-	162,908,296.00	-	162,908,296.00	156,217,130.00
Amount of Capital Expenditure out of Grant	-	-	334,658,765.48	334,658,765.48	210,399,265.74
TOTAL (b)	242,500,000.00	552,908,296.00	334,658,765.48	1,130,067,061.48	1,006,616,395.74
c) Utilisation/Expenditure towards objectives of funds					
i. Capital Expenditure					
-Fixed Assets	416,391,726.95	-	-	416,391,726.95	399,449,694.00
-Others	-	-	-	-	554,028,921.00
Total	416,391,726.95	-	-	416,391,726.95	953,478,615.00
ii. Revenue Expenditure					
- Salaries, Wages, Allowances & Retirement benefits etc.	-	534,786,264.00	-	534,786,264.00	-
- Rent	-	-	-	-	-
- Other Administrative Expenses	126,030,643.62	90,397,868.00	-	216,428,511.62	103,194,272.00
- Apporioned to Income & Expenditure account on account of Depreciation	-	-	93,685,188.00	93,685,188.00	-
Total	126,030,643.62	625,184,132.00	93,685,188.00	844,899,963.62	103,194,272.00
TOTAL (c)	542,422,370.57	625,184,132.00	93,685,188.00	1,261,291,690.57	1,056,672,887.00
NET BALANCE AS AT THE YEAR END PAYABLE / (RECOVERABLE) (a+b-c)	(204,383,554.57)	142,442,123.00	617,023,469.22	555,082,037.65	686,306,666.74

CHARTERED ACCOUNTANT

DY. REGISTRAR A/Cs

REGISTRAR

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY
ALLAHABAD SCHEDULE FORMING PART OF BALANCE SHEET**

SCHEDULE 5- LOANS & BORROWINGS

<u>SECURED LOANS AND BORROWINGS:</u>	CURRENT YEAR	PREVIOUS YEAR
1. Central Government	-	-
2. State Government (Specify)	-	-
3. Financial Institutions	-	-
a) Term Loans	-	-
b) Interest accrued and due	-	-
4. Banks:	-	-
a) Term Loans	-	-
Interest accrued and due	-	-
b) Other Loans (specify)	-	-
Interest accrued and due	-	-
5. Other Institutions and Agencies	-	-
6. Debentures and Bonds	-	-
7. Others (Specify)	-	-
TOTAL		
Note: Amount due within one year		

<u>UNSECURED LOANS AND BORROWINGS</u>	CURRENT YEAR	PREVIOUS YEAR
1. Central Government	-	-
2. State Government (Specify)	-	-
3. Financial Institutions	-	-
4. Banks:	-	-
a) Term Loans	-	-
b) Other Loans (specify)	-	-
5. Other Institutions and Agencies	-	-
6. Debentures and Bonds	-	-
7. Fixed Deposits	-	-
8. Other (Specify)	-	-
TOTAL		
Note: Amounts due within one year		

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 6 - CURRENT LIABILITIES & PROVISIONS

	CURRENT YEAR	PREVIOUS YEAR	(Amount-Rs)
A. CURRENT LIABILITIES			
1. Deposits from staff	-		-
2. Deposits from students	-		-
3. Sundry Creditors	-		-
a) For Goods & Services	-		-
b) Others (Refer Annexure B (1))	43,241,775.39		46,678,531.39
4.. Advances Received	-		-
5. Interest accrued but not due on:	-		-
a) Secured Loans/borrowings	-		-
b) Unsecured Loans/borrowings	-		-
6. Statutory Liabilities (GPF, TDS, WC TAX, CPF, GIS, NPS):	-		-
a) Overdue	-		-
b) Others (Refer Annexure B (2))	98,895.00		1,189,608.00
7. Other current Liabilities	-		-
a) Salaries	-		-
b) Receipts against sponsored projects	-		-
c) Receipts against sponsored fellowships & scholarships (Refer Annexure B (3))	74,731,452.00		64,099,897.50
d) Unutilised Grants	-		-
e) Grants in advance	-		-
f) Other funds (Refer Annexure B (4))	9,261,344.00		8,906,546.00
g) Other liabilities (Refer Annexure B (5))	91,417,350.00		70,247,317.00
TOTAL (A)	218,750,816.39		191,121,899.89
B. PROVISIONS			

1. For Taxation	-	-
2. Gratuity	-	423,440.00
3. Superannuation/Pension		
Pension Pay	2,829,903.00	2,661,913.00
Pension Relief	3,060,005.00	2,255,816.00
Commutated Pension Payable	-	293,411.00
New Pension Scheme	695,758.00	604,597.00
4. Accumulated Leave Encashment		
Leave Encashment on Retirement	-	256,630.00
Leave Encashment on LTC Other Staff	63,500.00	15,731.00
5. Expenses payable (Refer Annexure B (6))	43,305,760.00	35,904,575.00
6. Trade Warranties/Claims	-	-
7. Others (Specify)	-	-
TOTAL (B)	49,954,926.00	42,416,113.00
TOTAL (A+B)	268,705,742.39	233,538,012.89

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH-'6'

CURRENT LIABILITIES AND PROVISIONS B(1).
SUNDRY CREDITORS

Particulars	Opening Balance as on 01/04/2013	Receipts During the Year	Payments During the Year	Journal Entry	As at	As at
					March 31, 2014	March 31, 2013
INSTITUTE						
Loan Account of PDTC & Industrial Estate	13,435,158.00	-	-	328,956.00	13,764,114.00	13,435,158.00
SUBSIDIARIES						
Project Account - Transferable amount to R&C Cell	154,018.00	-	-	-	154,018.00	154,018.00
R&C Cell - Payable to RES, Bhadhoi	39,325.00	-	-	-	39,325.00	39,325.00
R&C Cell - Testing & Consultancy (Pending)	14,753,288.00	18,425,035.00	22,172,247.00	-	11,006,076.00	14,753,288.00
R&C Cell - Transferable amount to Project Account	-	-	-	-	-	-
R&C Cell - CCB	18,296,742.39	-	18,500.00	-	18,278,242.39	18,296,742.39
TOTAL	46,678,531.39	18,425,035.00	22,190,747.00	328,956.00	43,241,775.39	46,678,531.39

CHARTERED ACCOUNTANT

DY. REGISTRAR A/Cs

REGISTRAR

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

CURRENT LIABILITIES AND PROVISIONS B(2) ANNEXURE 'B' OF SCH '6'
STATUTORY LIABILITIES-OTHERS

Particulars	(Amount in Rs.)			
	Opening Balance as on 01/04/2013	Receipts During the Year	Payments During the Year	As at March 31, 2013
INSTITUTE				
Income Tax	-	34,834,619.00	34,834,619.00	-
Sales Tax	-	4,520,349.00	4,520,349.00	-
Employees contribution to C.P.F	-	443,192.00	443,192.00	-
Employees contribution to N.P.S	-	15,799,576.00	15,802,576.00	-
GPF- contribution to employees	60,000.00	28,316,404.00	28,274,509.00	60,000.00
SUBSIDIARIES				
Project Account - Income Tax	631.00	512.00	1,143.00	631.00
R&C Cell - Income Tax	1,128,977.00	3,346,000.00	4,474,977.00	1,128,977.00
SNFCE - Income Tax		213,132.00	213,132.00	
Dean Academic Affairs - Income Tax		204,999.00	204,999.00	
TOTAL	1,189,608.00	87,678,783.00	88,769,496.00	98,895.00
				1,189,608.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '6'

CURRENT LIABILITIES AND PROVISIONS

B(3). RECEIPTS AGAINST SPONSORED FELLOWSHIPS & SCHOLARSHIPS

(Amount in Rs.)

HEAD OF ACCOUNT	OPENING BALANCE AS ON 01/04/2013		TRANSACTION DURING THE YEAR 2013-14		CLOSING BALANCE AS ON 31/03/2014	
	DEBIT	CREDIT	DEBIT	CREDIT	DEBIT	CREDIT
INSTITUTE						
Conference ICPCES - 2010-11 EED	-	469,217.00	-	-	-	469,217.00
ICSSR - Fellowship (Doctoral)	-	159,489.00	-	-	-	159,489.00
NRSA Project - Satellite Date Compression Decomposition	-	218,279.00	-	-	-	218,279.00
U.G.C.	-	211,200.00	-	-	-	211,200.00
QIP Stipend & Contingency	1,844,861.00	-	2,194,007.00	6,831,752.00	-	2,792,884.00
Outside Scholarship	-	1,464,712.00	4,711,859.00	3,314,694.00	-	67,547.00
SUBSIDIARIES						
Project Account:						
Project (Running)	-	17,988,611.50	15,689,402.50	18,453,441.00	-	20,752,650.00
Project (Deferred Grant)	-	45,433,250.00	-	4,626,936.00	-	50,060,186.00
TOTAL	1,844,861.00	65,944,758.50	22,595,268.50	33,226,823.00	-	74,731,452.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCHEDULE '6'

CURRENT LIABILITIES AND PROVISIONS

B(4). OTHER CURRENT LIABILITIES - OTHER FUNDS

Particulars	(Amount in Rs.)				
	Opening Balance as on 01/04/2013	Receipts During the Year	Payments During the Year	As at March 31, 2014	As at March 31, 2013
Alumni Association	572,200.00	6,170.00	-	578,370.00	572,200.00
Bal Bharti Vidyalaya (Const of Building)	150,000.00	-	-	150,000.00	150,000.00
NMEICT SCHEME	1,100,000.00	-	582,829.00	517,171.00	1,100,000.00
TEQIP-I Fund	7,084,346.00	-	-	7,084,346.00	7,084,346.00
Prime Minister Relief Fund	306,938.00	306,938.00	306,938.00	-	-
ICCCT Seed	50,000.00	50,000.00	50,000.00	-	-
TEQIP II STIPEND	2,001,027.00	1,069,570.00	1,069,570.00	931,457.00	-
TOTAL	8,906,546.00	2,364,135.00	2,009,337.00	9,261,344.00	8,906,546.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '6'

CURRENT LIABILITIES AND PROVISIONS

B(5). OTHER CURRENT LIABILITIES-OTHER LIABILITIES

Particulars	(Amount in Rs.)			
	Opening Balance as on 01/04/2013	Receipts During the Year	Payments During the Year	As at March 31, 2014
Cancelled Cheques	6,120,087.00	8,176,744.00	520,837.00	13,775,994.00
DST New Delhi	-	3,896,481.00	1,497,635.00	2,398,846.00
Examination Fees	13,357,014.00	-	-	13,357,014.00
Motor Cycle Loan Recovery	-	69,600.00	69,600.00	-
House and building recovery employees	-	327,000.00	327,000.00	-
World Environment Day	-	50,000.00	50,000.00	-
L.I.C.	440,201.00	1,027,244.00	1,027,243.00	440,202.00
M.Tech (Part Time)	10,137,741.00	-	-	10,137,741.00
Other Liabilities (Misc. Receipt Transfer)	9,067,613.00	17,730,543.00	17,079,671.00	9,718,485.00
Employees contribution to khadi	-	26,691.00	26,691.00	-
Employees loan from SBI	-	512,598.00	512,598.00	-
Merit Scholarship	-	980,000.00	720,000.00	260,000.00
Reliance Dairy Food Ltd Stipend	-	24,600.00	24,600.00	-
Leave Salary Contri.(Deputation)	-	284,808.00	-	284,808.00
Revenue Stamp (Stamp Fees)	1.00	9,896.00	9,897.00	1.00
SERB	-	115,581.00	115,581.00	-
C-DAC	-	116,240.00	-	116,240.00
Caution Money	17,965,476.00	3,517,250.00	130,000.00	21,352,726.00
Earnest Money/ Security Money	7,851,031.00	-	-	7,851,031.00
SUBSIDIARIES				
Alumni Association - Amount Payable	2,512,250.00	500,000.00	-	3,012,250.00
Dean Academics - Cancelled Cheques	10,000.00	-	-	10,000.00
Industrial Estate - Expenses Payable	11,236.00	76,666.00	-	87,902.00
Project Account - Accounting Charges Payable	15,000.00	-	-	15,000.00
Project Account - Salary Payable	297,023.00	-	217,623.00	79,400.00
Project Account - MNNIT	1,620,000.00	6,102,585.00	-	7,722,585.00
R&C Cell - Cancelled Cheques	63,305.00	-	-	63,305.00
R&C Cell - Expenses Payable	70,926.00	1,743.00	47,261.00	25,408.00
Caution Money	422,655.00	-	-	422,655.00
Earnest Money/ Security Money	241,404.00	-	-	241,404.00
Security Received (Industrial Estate)	44,354.00	-	-	44,354.00
TOTAL	70,247,317.00	43,546,270.00	22,376,237.00	91,417,350.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

ANNEXURE 'B' OF SCH '6'

(Amount in Rs.)

SCHEDULE FORMING PART OF BALANCE SHEET

CURRENT LIABILITIES AND PROVISIONS

B(G). PROVISION-EXPENSES PAYABLE

Particulars	As at March 31, 2014	As at March 31, 2013
Salaries & Wages :		
Pay Direction & Teaching	8,179,200.00	8,188,454.00
Pay Administrative Officer	289,570.00	283,205.00
Pay Other Staff	2,757,160.00	2,910,070.00
Dearness Allowances:		
Direction & Teaching	9,815,040.00	5,894,207.00
Administrative Officer	347,484.00	203,910.00
Other Staff	3,308,592.00	2,064,353.00
HRA:		
Direction & Teaching	273,800.00	291,045.00
Administrative Officer	16,706.00	15,134.00
Other Staff	294,870.00	301,788.00
Transport Allowances:		
Direction & Teaching	848,000.00	691,440.00
Administrative Officer	37,400.00	25,800.00
Other Staff	435,600.00	354,750.00
	1,321,000.00	1,071,990.00
Family Planning Incentive Allowance	19,620.00	22,150.00
Washing Allowance	7,380.00	4,800.00
Special Allowance	66,680.00	72,805.00
Deans Honorarium	24,500.00	21,000.00
Cash Handling Allowance	150.00	150.00
Medical Allowance	107,187.00	107,100.00
ARREARS		
Pay Revision - Teaching/ Non Teaching	-	261,382.00
C.A. Fees Payable	179,776.00	250,000.00
C.P.F. Payable	18,648.00	18,103.00
Electricity & Power Payable		
Institute	6,500,000.00	3,850,000.00
Colony	237,126.00	459,852.00
Hostel	3,000,000.00	2,150,000.00
Pay on Contractual Staff	9,737,126.00	6,459,852.00
Security Charges Payable	3,942,848.00	5,092,678.00
Telephone Expenses Payable	2,544,494.00	2,349,667.00
	53,929.00	20,732.00
TOTAL	43,305,760.00	35,904,575.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

SCHEDULE 7-FIXED ASSETS

(Amount-Rs)

Description	Annexure no.	GROSS BLOCK		DEPRECIATION			NET BLOCK				
		Cost/valuation as at the beginning of the year	Additions during the year	Deductions during the year	Cost/Valuation at the year end	As at the beginning of the year	On Additions during the year	On deductions during the year	Total up to the year-end	As at the current year end	As at the previous year end
1. Land											
a) Freehold/Leasehold		52,145,714.00			52,145,714.00					52,145,714.00	52,145,714.00
2. Buildings:											
a) On Freehold Land	C 1	1,109,481,246.00	91,538,077.48		1,201,019,323.48		165,510,937.00	48,772,995.00		986,735,391.48	943,970,309.00
b) On leasehold land											
c) Ownership flats/premises											
d) Superstructures on land not belonging to the entity											
3.Plant, machinery and equipment	C 2	410,186,264.19	124,587,517.00		534,773,781.19		231,771,549.00	25,262,757.00		277,739,475.19	178,414,715.19
4. Vehicles	C 3	5,974,812.00	-		5,974,812.00		4,121,527.00	257,792.00		1,595,493.00	1,853,285.00
5. Furniture and fixtures	C 4	100,374,891.00	16,064,127.00		116,439,018.00		62,277,977.00	7,997,500.00		46,163,541.00	38,096,914.00
6. Office equipment	C 5	17,246,558.05	246,434.00		17,492,992.05		6,770,784.00	1,414,967.00		9,307,241.05	10,475,774.05
7. Computer peripherals	C 6	170,796,201.90	21,436,950.00		192,233,151.90		145,713,777.00	10,261,978.00		36,257,396.90	25,082,424.90
8. Electric installations	C 7	98,371,874.00	11,178,358.00		109,550,232.00		40,329,264.00	8,259,234.00		60,961,734.00	58,042,610.00
9. Library books	C 8	136,993,372.00	65,162,685.00		202,156,057.00		122,310,065.00	12,216,210.00		67,629,782.00	14,683,307.00
10. Tube wells and water supply		750,655.00	1,251,445.00		2,002,100.00		615,346.00	50,799.00		1,335,955.00	135,309.00
11. Other fixed assets	C 9	22,048,812.60	36,336,529.00		58,385,341.60		13,945,060.00	1,613,501.00		42,826,780.60	8,103,752.60
A. Total of CURRENT YEAR		2,124,370,400.74	367,802,122.48	-	2,492,172,523.22		793,366,286.00	116,107,733.00		1,582,698,504.22	1,331,004,114.74
PREVIOUS YEAR											
12. Capital works in progress											
TRANSFER TO ASSETS											
B. NET WORK IN PROGRESS											
TOTAL (A+B)		2,124,370,400.74	367,802,122.48	-	2,492,172,523.22		793,366,286.00	116,107,733.00		1,582,698,504.22	1,331,004,114.74

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET**

ANNEXURE 'C' OF SCH 7

FIXED ASSETS

(Amount in Rs.)

C(1)-BUILDINGS

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions) As at March 31, 2014	As at April 01, 2013	Depreciation during the year 2014	As at March 31, 2014	As at March 31, 2013
Assets out of Capital Fund:						
Addition to Building (RBS)	30,873,572.00	-	-	-	-	30,873,572.00
Admission Committee	205,000.00	-	-	-	-	205,000.00
Asset Trf from TEQIP	10,783,205.00	-	-	-	-	10,783,205.00
Boundary Wall	405,000.00	-	-	-	-	405,000.00
C.C. Road	601,214.00	-	-	-	-	601,214.00
Car Garage	225,931.00	-	-	-	-	225,931.00
Const. of Faculty Room & Lab.	6,725,351.00	-	-	-	-	6,725,351.00
Construction of Boys Hostel	81,588,025.00	-	-	-	-	81,588,025.00
Construction of Girls Hostel	101,878.00	-	-	-	-	101,878.00
Construction of Shop Store	96,500.00	-	-	-	-	96,500.00
Excellence in Rec	3,916,425.00	-	-	-	-	3,916,425.00
Guest House	325,389.00	-	-	-	-	325,389.00
Institute Building	61,825,379.00	-	-	-	-	61,825,379.00
M/R Colony	27,123.00	-	-	-	-	27,123.00
M/R Institute Building	19,477.00	-	-	-	-	19,477.00
P.G. Course Building	2,901,644.00	-	-	-	-	2,901,644.00
REC-British University Collaboration	4,729,578.00	-	-	-	-	4,729,578.00
Renovation of Computer Building	51,795.00	-	-	-	-	51,795.00
Renovation of Electrical System	303,765.00	-	-	-	-	303,765.00
Research & Development Centre	73,563.00	-	-	-	-	73,563.00
RIDC Account	184,613.00	-	-	-	-	184,613.00
School of Non Formal Office	145,048.00	-	-	-	-	145,048.00
Shed (Design Centre)	95,126.00	-	-	-	-	95,126.00
Shed (Industrial Estate)	5,162,464.00	-	-	-	-	5,162,464.00
Shed (P.D.T.C)	599,596.00	-	-	-	-	599,596.00
Soil Exploration & Foundation	152,789.00	-	-	-	-	152,789.00
Staff Quarter	19,665,842.00	-	-	-	-	19,665,842.00
Structural Testing & Design	132,993.00	-	-	-	-	132,993.00
Student Staff Amenities	5,711,477.00	-	-	-	-	5,711,477.00
UPM CAT Building	3,859,028.00	-	-	-	-	3,859,028.00
Depreciation @5%	-	-	110,567,317.00	6,546,074.00	117,113,391.00	(117,113,391.00)
Sub Total	241,488,790.00	-	241,488,790.00	6,546,074.00	117,113,391.00	130,921,473.00
Assets out of Deferred Government Grants:						
Addition to Building (RBS)	45,115,053.00	-	-	-	-	45,115,053.00
Renovation of Electrical System & Facilities	1,665,941.00	-	-	-	-	1,665,941.00
Augmentation of Acad. & Physical Infrastructure	186,957,630.00	60,356,470.48	-	-	-	247,314,100.48
Automation of Kitchen	1,549,155.00	-	-	-	-	1,549,155.00
Construction of ED Centre	38,173,894.00	-	-	-	-	38,173,894.00
Construction of Institute Gate	3,356,464.00	-	-	-	-	3,356,464.00
Extension of Dispensary	14,566,050.00	-	-	-	-	14,566,050.00

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	As at March 31, 2014	As at March 31, 2013
				Depreciation during the year		
M/R Colony - Building & Road	38,970.00	-	38,970.00	-	38,970.00	38,970.00
M/R Hostel - Building & Road	16,480.00	-	16,480.00	-	16,480.00	16,480.00
MCA Contingency	43,550.00	-	43,550.00	-	43,550.00	43,550.00
OBC Plan Grant	260,181.00	-	260,181.00	-	260,181.00	260,181.00
Renovation of Building Structure	14,274,464.00	-	14,274,464.00	-	14,274,464.00	14,274,464.00
Plan Grant	29,944,205.00	-	29,944,205.00	-	29,944,205.00	29,944,205.00
Hostel & Faculty Residence	531,901,444.00	31,181,607.00	563,083,051.00	-	563,083,051.00	531,901,444.00
Depreciation @5%				42,221,805.00	97,138,775.00	(54,916,970.00)
Sub Total	867,863,481.00	91,538,077.48	959,401,558.48	42,221,805.00	97,138,775.00	812,946,511.00
Assets out of Institute Receipts						
MMS Operating Cost	31,337.00	-	31,337.00	-	31,337.00	31,337.00
Placement Charges	97,638.00	-	97,638.00	-	97,638.00	97,638.00
Depreciation @ 5%				5,116.00	31,766.00	(26,650.00)
Sub Total	128,975.00	-	128,975.00	5,116.00	31,766.00	102,325.00
TOTAL	1,109,481,246.00	91,538,077.48	1,201,019,323.48	48,772,995.00	214,283,932.00	943,970,309.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET**

FIXED ASSETS

(C2). PLANT, MACHINERY & EQUIPMENT

ANNEXURE 'C' OF SCH 7
(Amount in Rs.)

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013 during the year	As at March 31, 2014	As at March 31, 2013
Assets out of Capital Fund:						
Academic Account	364,921.00	-	364,921.00	-	364,921.00	364,921.00
Admission Committee (MMS)	24,400.00	-	24,400.00	-	24,400.00	24,400.00
Applied Mechanics Department (U.G.)	16,100.00	-	16,100.00	-	16,100.00	16,100.00
Asset Trf from TEQIP	114,256,984.00	-	114,256,984.00	-	114,256,984.00	114,256,984.00
Civil Engineering Department (P.G.)	27,080.00	-	27,080.00	-	27,080.00	27,080.00
Civil Engineering Department (U.G.)	39,317.00	-	39,317.00	-	39,317.00	39,317.00
Class Pilot Project	8,060.00	-	8,060.00	-	8,060.00	8,060.00
Computer Science Course	6,276,820.00	-	6,276,820.00	-	6,276,820.00	6,276,820.00
Computer Science Department (U.G.)	216,876.00	-	216,876.00	-	216,876.00	216,876.00
Development Centre Excellence Environment	303,650.00	-	303,650.00	-	303,650.00	303,650.00
Development of Lawn & Gardening (PLAIN-State)	18,347.00	-	18,347.00	-	18,347.00	18,347.00
Development of Polymer Research Work	692,000.00	-	692,000.00	-	692,000.00	692,000.00
Development of Robotics Facilities	182,600.00	-	182,600.00	-	182,600.00	182,600.00
Development of Vision System Lab.	979,758.00	-	979,758.00	-	979,758.00	979,758.00
Dynamo Meter	15,545.00	-	15,545.00	-	15,545.00	15,545.00
Electronics Engineering Course	1,267,788.00	-	1,267,788.00	-	1,267,788.00	1,267,788.00
Equipment under U.K. Grant	25,023,947.00	-	25,023,947.00	-	25,023,947.00	25,023,947.00
Excellence in REC	10,555,940.00	-	10,555,940.00	-	10,555,940.00	10,555,940.00
General Utility Equipment/ Upd. & Exp of Lab.	17,690,344.00	-	17,690,344.00	-	17,690,344.00	17,690,344.00
Gymkhana Games & Sports	68,200.00	-	68,200.00	-	68,200.00	68,200.00
Hostel Utensils	124,350.00	-	124,350.00	-	124,350.00	124,350.00
Improvement Facility on Guest House	450,296.00	-	450,296.00	-	450,296.00	450,296.00
Industrial Estate	943,664.00	-	943,664.00	-	943,664.00	943,664.00
Institute (U.G.)	96,409,291.00	-	96,409,291.00	-	96,409,291.00	96,409,291.00
M/R Institute (Lawn & Garden)	20,000.00	-	20,000.00	-	20,000.00	20,000.00
M/R Institute Building	39,293.00	-	39,293.00	-	39,293.00	39,293.00
MCA Contingencies	27,500.00	-	27,500.00	-	27,500.00	27,500.00
MCA Course	499,940.00	-	499,940.00	-	499,940.00	499,940.00
Mechanical Engineering Department (P.G.)	8,424.00	-	8,424.00	-	8,424.00	8,424.00
Mechanical Engineering Department (U.G.)	457,192.00	-	457,192.00	-	457,192.00	457,192.00
Mod. of Chemical Lab	690,150.00	-	690,150.00	-	690,150.00	690,150.00
Mod. of Geo Technical Lab.	589,295.00	-	589,295.00	-	589,295.00	589,295.00
Mod. of Instruments of Cent	23,362.00	-	23,362.00	-	23,362.00	23,362.00
Mod. of MED Deptt.	400,000.00	-	400,000.00	-	400,000.00	400,000.00
Nodal Centre	350,445.00	-	350,445.00	-	350,445.00	350,445.00
NRI	1,351,056.00	-	1,351,056.00	-	1,351,056.00	1,351,056.00
P.D.T.C.	134,008.00	-	134,008.00	-	134,008.00	134,008.00
P.G. Equipment	2,457,251.00	-	2,457,251.00	-	2,457,251.00	2,457,251.00
Pre Exam Training Centre	8,038.00	-	8,038.00	-	8,038.00	8,038.00
Product Engineering Course	1,868,242.00	-	1,868,242.00	-	1,868,242.00	1,868,242.00
Project Account	1,850,206.00	-	1,850,206.00	-	1,850,206.00	1,850,206.00
Pumping Set & Generator (Admission Committee)	38,030.00	-	38,030.00	-	38,030.00	38,030.00
REC-British University Collaboration	9,859,340.00	-	9,859,340.00	-	9,859,340.00	9,859,340.00
Research & Development Cell	145,643.00	-	145,643.00	-	145,643.00	145,643.00
Research Project & Others	1,742,954.00	-	1,742,954.00	-	1,742,954.00	1,742,954.00
Soil Exploration & Foundation Design Centre	85,457.00	-	85,457.00	-	85,457.00	85,457.00
Structural Testing & Designing	31,500.00	-	31,500.00	-	31,500.00	31,500.00
Study on Mechanism Pollutant	43,000.00	-	43,000.00	-	43,000.00	43,000.00

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK		
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	Depreciation during the year 2014	As at March 31, 2014	As at March 31, 2013
Training & Placement	71,537.00	-	71,537.00	-	-	71,537.00	71,537.00
Xerox Photo Copier	133,300.00	-	133,300.00	-	-	133,300.00	133,300.00
Depreciation @ 13.91%	-	-	-	207,970,178.00	12,645,757.00	220,615,935.00	(207,970,178.00)
Sub Total	298,881,441.00	-	298,881,441.00	207,970,178.00	12,645,757.00	220,615,935.00	90,911,263.00
Assets out of Deferred Government Grants:							
Addition to Equipments (RBS)	691,950.00	-	691,950.00	-	-	691,950.00	691,950.00
Renovation of Electrical System & Facilities	1,852,709.00	-	1,852,709.00	-	-	1,852,709.00	1,852,709.00
Applied Mechanics Dept.(P.G.)	167,444.00	-	167,444.00	-	-	167,444.00	167,444.00
Applied Mechanics Dept.(U.G.)	93,503.00	-	93,503.00	-	-	93,503.00	93,503.00
Augmentation of Acad. & Infrastructure	2,452,000.00	-	2,452,000.00	-	-	2,452,000.00	2,452,000.00
Automation of Kitchen - Hostel	2,097,232.00	-	2,097,232.00	-	-	2,097,232.00	2,097,232.00
Biotech Dept (U.G.)	14,910.00	-	14,910.00	-	-	14,910.00	14,910.00
Chemistry Deptt. (U.G.)	34,490.00	-	34,490.00	-	-	34,490.00	34,490.00
Civil Engg. Deptt.(U.G.)	68,230.00	-	68,230.00	-	-	68,230.00	68,230.00
Civil Engg. Deptt.(P.G.)	41,695.00	-	41,695.00	-	-	41,695.00	41,695.00
Computer Sc. Deptt. (U.G.)	7,275.00	-	7,275.00	-	-	7,275.00	7,275.00
Electrical Engg. Deptt. (U.G.)	108,474.00	-	108,474.00	-	-	108,474.00	108,474.00
Electronics Engg. Deptt. (U.G.)	23,088.00	-	23,088.00	-	-	23,088.00	23,088.00
Electronics Engg. Deptt. (P.G.)	67,760.00	-	67,760.00	-	-	67,760.00	67,760.00
Mechanical Engineering Department (U.G.)	115,466.00	-	115,466.00	-	-	115,466.00	115,466.00
Mechanical Engineering Department (P.G.)	9,775.00	-	9,775.00	-	-	9,775.00	9,775.00
General Utility Equipment/ Upd. & Exp of Lab.	19,879,172.69	84,765,490.00	104,644,662.69	-	-	104,644,662.69	19,879,172.69
Maint. Of Computer & Equipment	42,720.00	-	42,720.00	-	-	42,720.00	42,720.00
Maintenance Institute (Lawn & Garden)	55,000.00	-	55,000.00	-	-	55,000.00	55,000.00
Maintenance & Repairs - Recurring (OBC)	1,474,200.00	-	1,474,200.00	-	-	1,474,200.00	1,474,200.00
OBC Plan Grant	32,653,633.00	-	32,653,633.00	-	-	32,653,633.00	32,653,633.00
Plan Grant	1,695,483.50	-	1,695,483.50	-	-	1,695,483.50	1,695,483.50
Physics Deptt.	43,941.00	-	43,941.00	-	-	43,941.00	43,941.00
Renovation of Electric System & Facilities	61,200.00	1,092,923.00	1,154,123.00	-	-	1,154,123.00	61,200.00
Research Grant	961,015.00	-	961,015.00	-	-	961,015.00	961,015.00
Addition to Equipments	7,317,179.00	27,523,454.00	34,840,633.00	-	-	34,840,633.00	7,317,179.00
Depreciation @ 13.91%	-	-	-	23,762,826.00	12,600,734.00	36,363,560.00	(23,762,826.00)
Sub Total	72,029,545.19	113,381,867.00	185,411,412.19	23,762,826.00	12,600,734.00	36,363,560.00	48,266,719.19
Assets out of Institute Receipts							
Raw Material & Consumable of Lab	20,790.00	-	20,790.00	-	-	20,790.00	20,790.00
Utencil charges	79,790.00	-	79,790.00	-	-	79,790.00	79,790.00
SMS/MBA/MMS Operating Cost	54,900.00	-	54,900.00	-	-	54,900.00	54,900.00
Depreciation @ 13.91%	-	-	-	38,545.00	16,266.00	54,811.00	(38,545.00)
Sub Total	155,480.00	-	155,480.00	38,545.00	16,266.00	54,811.00	116,935.00
Assets out of Subsidiaries Fund							
TEQIP II	-	6,576,788.00	6,576,788.00	-	-	6,576,788.00	-
Dean Academic Affairs	15,380.00	-	15,380.00	-	-	15,380.00	15,380.00
Project Account	37,673,198.00	4,452,607.00	42,125,805.00	-	-	42,125,805.00	37,673,198.00
R&C Cell	1,431,220.00	176,255.00	1,607,475.00	-	-	1,607,475.00	1,431,220.00
Sub Total	39,119,798.00	11,205,650.00	50,325,448.00	-	-	50,325,448.00	39,119,798.00
TOTAL	410,186,264.19	124,587,517.00	534,773,781.19	231,771,549.00	25,262,757.00	257,034,306.00	178,414,715.19

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 7

Amount in Rs.)

**FIXED ASSETS
C(3) - VEHICLES**

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	As at March 31, 2014	As at March 31, 2013
Assets out of Capital Fund:						
A dmission Committee	29,996.00	-	29,996.00	-	-	29,996.00
Cycle	850.00	-	850.00	-	-	850.00
Industrial Estate (Cycle)	550.00	-	550.00	-	-	550.00
Maint. & Rep.Institute -- Building & Road	4,740.00	-	4,740.00	-	-	4,740.00
Student Welfare Fund	300,359.00	-	300,359.00	-	-	300,359.00
Vehicle	4,097,962.00	-	4,097,962.00	-	-	4,097,962.00
Depreciation @ 13.91%	-	-	-	3,427,292.00	140,097.00	-
Sub Total	4,434,457.00	-	4,434,457.00	3,427,292.00	3,567,389.00	1,007,165.00
Assets out of Deferred Government Grants:						
General Utility Equipment	698,071.00	-	698,071.00	-	-	698,071.00
Landscaping & Gardening	842,284.00	-	842,284.00	-	-	842,284.00
Depreciation @ 13.91%	-	-	-	694,235.00	117,695.00	-
Sub Total	1,540,355.00	-	1,540,355.00	694,235.00	811,930.00	846,120.00
TOTAL	5,974,812.00	-	5,974,812.00	4,121,527.00	4,379,319.00	1,853,285.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET**

ANNEXURE 'C' OF SCH 7

(Amount in Rs.)

FIXED ASSETS

C(4). FURNITURE & FIXTURES

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/(Deductions)	As at March 31, 2014	As at April 01, 2013	As at March 31, 2014	As at March 31, 2013
Assets out of Capital Fund:						
Academic Account	7,452.00	-	7,452.00	-	7,452.00	7,452.00
Admission Committee	209,711.00	-	209,711.00	-	209,711.00	209,711.00
Admission Committee(MMS)	13,881.00	-	13,881.00	-	13,881.00	13,881.00
Applied Maths & SC (U.G.)	71,635.00	-	71,635.00	-	71,635.00	71,635.00
Applied Mechanics Deptt. (P.G.)	81,878.00	-	81,878.00	-	81,878.00	81,878.00
Assets Trf from TEQIP	2,236,348.00	-	2,236,348.00	-	2,236,348.00	2,236,348.00
Civil Engg. Deptt (PG)	35,200.00	-	35,200.00	-	35,200.00	35,200.00
Civil Engg. Deptt (UG)	9,800.00	-	9,800.00	-	9,800.00	9,800.00
Computer Science & Develop.	81,420.00	-	81,420.00	-	81,420.00	81,420.00
Dev. of High Speed Communication	38,991.00	-	38,991.00	-	38,991.00	38,991.00
Dev. of Robotics Facility	80,960.00	-	80,960.00	-	80,960.00	80,960.00
Dev. of VLSI Project	51,306.00	-	51,306.00	-	51,306.00	51,306.00
Dynamic Analysis Cutting	26,928.00	-	26,928.00	-	26,928.00	26,928.00
Elect. Engg. Department(P.G)	9,600.00	-	9,600.00	-	9,600.00	9,600.00
Electronics Engg. Deptt (UG)	46,742.00	-	46,742.00	-	46,742.00	46,742.00
Equipment of Dispensary	130,801.00	-	130,801.00	-	130,801.00	130,801.00
Examination Section	521,930.00	-	521,930.00	-	521,930.00	521,930.00
General Utility Equipment	230,260.00	-	230,260.00	-	230,260.00	230,260.00
Gymkhana Games & Sports	8,950.00	-	8,950.00	-	8,950.00	8,950.00
Hostel Furniture	2,524,472.00	-	2,524,472.00	-	2,524,472.00	2,524,472.00
Industrial Estate	40,248.00	-	40,248.00	-	40,248.00	40,248.00
Library	20,776,983.00	-	20,776,983.00	-	20,776,983.00	20,776,983.00
Library P.G.	1,801,095.00	-	1,801,095.00	-	1,801,095.00	1,801,095.00
M/R Colony Building	13,800.00	-	13,800.00	-	13,800.00	13,800.00
M/R Colony Furniture	10,000.00	-	10,000.00	-	10,000.00	10,000.00
M/R Hostel Furniture	5,002.00	-	5,002.00	-	5,002.00	5,002.00
M/R Institute Building	83,550.00	-	83,550.00	-	83,550.00	83,550.00
M/R Institute Furniture	92,705.00	-	92,705.00	-	92,705.00	92,705.00
Main. of Computer & Equip.	218,400.00	-	218,400.00	-	218,400.00	218,400.00
Mechanical Engg. Deptt(UG)	32,961.00	-	32,961.00	-	32,961.00	32,961.00
Misc. Exp. of Guest House (User)	102,612.00	-	102,612.00	-	102,612.00	102,612.00
MMS -Operating Cost	15,900.00	-	15,900.00	-	15,900.00	15,900.00
Nodal Centre	35,811.00	-	35,811.00	-	35,811.00	35,811.00
Nodal Centre	9,386.00	-	9,386.00	-	9,386.00	9,386.00
Parameter Milling	12,134.00	-	12,134.00	-	12,134.00	12,134.00
Placement Charges	232,060.00	-	232,060.00	-	232,060.00	232,060.00
Plan - Furniture	20,913,531.00	-	20,913,531.00	-	20,913,531.00	20,913,531.00
Power of Electronics & Engg. Lab.	14,781.00	-	14,781.00	-	14,781.00	14,781.00
Product Dev. & Training Centre	1,980.00	-	1,980.00	-	1,980.00	1,980.00
Project Account	9,136.00	-	9,136.00	-	9,136.00	9,136.00
Q.I.P. Poly	78,000.00	-	78,000.00	-	78,000.00	78,000.00
Reek-British Uty. Colabor.	257,171.00	-	257,171.00	-	257,171.00	257,171.00
Renovation of Building Structure	1,215,601.00	-	1,215,601.00	-	1,215,601.00	1,215,601.00
SC/ST Exams Training Centre	21,439.00	-	21,439.00	-	21,439.00	21,439.00
School of Non Formal Continuing	3,590.00	-	3,590.00	-	3,590.00	3,590.00
Soil Exploration & F.D. Centre	9,610.00	-	9,610.00	-	9,610.00	9,610.00

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	Depreciation during the year	As at March 31, 2014	As at March 31, 2013	As at March 31, 2013
Student Club	79,350.00	-	79,350.00	-	-	-	79,350.00	79,350.00
Text Book Lending Bank	24,933.00	-	24,933.00	-	-	-	24,933.00	24,933.00
Depreciation @ 18.10%	-	-	-	43,288,846.00	1,672,655.00	44,961,501.00	(43,288,846.00)	(43,288,846.00)
Sub Total	52,530,034.00	-	52,530,034.00	43,288,846.00	1,672,655.00	44,961,501.00	7,568,533.00	9,241,188.00
Assets out of Deferred Government Grants:								
Applied Mechanics Deptt. (P.G.)	36,575.00	-	36,575.00	-	-	-	36,575.00	36,575.00
Applied Mechanics Deptt. (U.G.)	121,163.00	-	121,163.00	-	-	-	121,163.00	121,163.00
Biotech (U.G.)	22,246.00	-	22,246.00	-	-	-	22,246.00	22,246.00
Civil Engg. Deptt (U.G.)	14,077.00	-	14,077.00	-	-	-	14,077.00	14,077.00
Computer Sc. Deptt. (P.G.)	70,289.00	-	70,289.00	-	-	-	70,289.00	70,289.00
Computer Sc. Deptt. (U.G.)	114,172.00	-	114,172.00	-	-	-	114,172.00	114,172.00
Computer Science Course (Stationery)	298,658.00	-	298,658.00	-	-	-	298,658.00	298,658.00
Elect. Engg. Department (P.G.)	14,136.00	-	14,136.00	-	-	-	14,136.00	14,136.00
Elect. Engg. Department (U.G.)	67,986.00	-	67,986.00	-	-	-	67,986.00	67,986.00
Electronics Engg. Deptt (P.G.)	15,300.00	-	15,300.00	-	-	-	15,300.00	15,300.00
Electronics Engg. Deptt (U.G.)	29,314.00	-	29,314.00	-	-	-	29,314.00	29,314.00
Faculty/Staff Development Programme	14,207.00	-	14,207.00	-	-	-	14,207.00	14,207.00
General Utility Equipment	687,831.00	450,320.00	1,138,151.00	-	-	-	1,138,151.00	687,831.00
Information & Technology (U.G.)	24,328.00	-	24,328.00	-	-	-	24,328.00	24,328.00
M/R Colony Furniture	72,466.00	-	72,466.00	-	-	-	72,466.00	72,466.00
M/R Hostel Building & Road	201,154.00	-	201,154.00	-	-	-	201,154.00	201,154.00
M/R Institute Building & Road	38,981.00	-	38,981.00	-	-	-	38,981.00	38,981.00
M/R Hostel Furniture	63,418.00	-	63,418.00	-	-	-	63,418.00	63,418.00
M/R Institute Furniture	26,209.00	-	26,209.00	-	-	-	26,209.00	26,209.00
Main. of Computer & Equip.	49,292.00	-	49,292.00	-	-	-	49,292.00	49,292.00
MED Workshop	10,955.00	-	10,955.00	-	-	-	10,955.00	10,955.00
OBC Plan Grant	11,912,252.00	-	11,912,252.00	-	-	-	11,912,252.00	11,912,252.00
OBC Plan Grant	63,000.00	-	63,000.00	-	-	-	63,000.00	63,000.00
Physics Deptt. (U.G.)	35,753.00	-	35,753.00	-	-	-	35,753.00	35,753.00
Plan - Furniture	28,442,780.00	8,109,287.00	36,552,067.00	-	-	-	36,552,067.00	28,442,780.00
Renovation of Building Structure	4,046,024.00	7,372,616.00	11,418,640.00	-	-	-	11,418,640.00	4,046,024.00
Renovation of Electric System	57,500.00	-	57,500.00	-	-	-	57,500.00	57,500.00
Research Grant	39,637.00	-	39,637.00	-	-	-	39,637.00	39,637.00
Mechanical Engg. Deptt(UG)	35,000.00	-	35,000.00	-	-	-	35,000.00	35,000.00
Student Activity Centre	169,534.00	-	169,534.00	-	-	-	169,534.00	169,534.00
Depreciation @ 18.10%	-	-	-	18,646,006.00	6,251,169.00	24,897,175.00	(18,646,006.00)	(18,646,006.00)
Sub Total	46,794,237.00	15,932,223.00	62,726,460.00	18,646,006.00	6,251,169.00	24,897,175.00	37,829,283.00	28,148,231.00
Assets out of Institute Receipts								
Computer Stationery Charges	315,059.00	-	315,059.00	-	-	-	315,059.00	315,059.00
MMS/MBA Operating Cost	268,543.00	-	268,543.00	-	-	-	268,543.00	268,543.00
Placement Charges	141,457.00	-	141,457.00	-	-	-	141,457.00	141,457.00
Raw Material & Consumables of Lab	25,117.00	-	25,117.00	-	-	-	25,117.00	25,117.00
Depreciation @ 18.10%	-	-	-	343,125.00	73,676.00	416,801.00	(343,125.00)	(343,125.00)
Sub Total	750,176.00	-	750,176.00	343,125.00	73,676.00	416,801.00	333,375.00	407,051.00
TOTAL	100,374,891.00	16,064,127.00	116,439,018.00	62,277,977.00	7,997,500.00	70,275,477.00	46,163,541.00	38,096,914.00

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK		
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	Depreciation during the year	As at March 31, 2014	As at March 31, 2013
Assets out of Institute Receipts							
SMS/MBA/MMS Operating Cost	53,041.00	-	53,041.00	-	-	-	53,041.00
Depreciation @ 13.91%	-	-	-	15,294.00	5,251.00	20,545.00	(15,294.00)
Sub Total	53,041.00	-	53,041.00	15,294.00	5,251.00	20,545.00	37,747.00
Assets out of Subsidiaries Fund							
Dean Academic Affairs	76,070.00	-	76,070.00	-	-	-	76,070.00
Nodal Centre	62,405.00	-	62,405.00	-	-	-	62,405.00
R&C Cell	69,243.00	-	69,243.00	-	-	-	69,243.00
Dean Academic Affairs	-	52,520.00	52,520.00	-	-	-	-
Student Welfare Fund	95,760.00	193,914.00	289,674.00	-	-	-	95,760.00
Sub Total	303,478.00	246,434.00	549,912.00	-	-	-	303,478.00
TOTAL	17,246,558.05	246,434.00	17,492,992.05	6,770,784.00	1,414,967.00	8,185,751.00	10,475,774.05

C(6). COMPUTER & PERIPHERALS

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK			DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	Depreciation during the year 2014	As at March 31, 2014	As at March 31, 2013
Assets out of Capital Fund:							
Applied Maths & Science (U.G.)	79,575.00	-	79,575.00	-	-	79,575.00	79,575.00
Applied Mechanics Dept. (U.G.)	4,650.00	-	4,650.00	-	-	4,650.00	4,650.00
Area of Excellence	1,102,081.00	-	1,102,081.00	-	-	1,102,081.00	1,102,081.00
Assessment of Land Use and Cover	84,820.00	-	84,820.00	-	-	84,820.00	84,820.00
Assy of Land Use Cover Pattern	23,750.00	-	23,750.00	-	-	23,750.00	23,750.00
Augmentation of Academic Infrastructure CSED	442,290.00	-	442,290.00	-	-	442,290.00	442,290.00
Augmentation of Facilities - Signal	2,358.00	-	2,358.00	-	-	2,358.00	2,358.00
Civil Engg. Deptt. (P.G.)	137,075.00	-	137,075.00	-	-	137,075.00	137,075.00
Civil Engg. Deptt. (U.G.)	13,650.00	-	13,650.00	-	-	13,650.00	13,650.00
Computational Facility for Electric	64,900.00	-	64,900.00	-	-	64,900.00	64,900.00
Computational Facility for Electric Engg.	260,000.00	-	260,000.00	-	-	260,000.00	260,000.00
Computer (School of Non Formal)	45,200.00	-	45,200.00	-	-	45,200.00	45,200.00
Computer Centre (Stay & Lab)	39,400.00	-	39,400.00	-	-	39,400.00	39,400.00
Computer Graphic Work Station	8,890,000.00	-	8,890,000.00	-	-	8,890,000.00	8,890,000.00
Computer Sc. Deptt. (P.G.)	49,065.00	-	49,065.00	-	-	49,065.00	49,065.00
Computer Sc. Deptt. (U.G.)	40,730.00	-	40,730.00	-	-	40,730.00	40,730.00
Computer Science Course (Stationery)	14,720.00	-	14,720.00	-	-	14,720.00	14,720.00
Computerisation of Estt. Section	1,990,000.00	-	1,990,000.00	-	-	1,990,000.00	1,990,000.00
Dev of High Speed Communication Tem Lab.	16,200.00	-	16,200.00	-	-	16,200.00	16,200.00
Dev. of Rapid Prototyping	61,200.00	-	61,200.00	-	-	61,200.00	61,200.00
Dev. of Router Facilities	13,320.00	-	13,320.00	-	-	13,320.00	13,320.00
Dev. of VLSI Project	589,700.00	-	589,700.00	-	-	589,700.00	589,700.00
Development of Construction Mat. & Appro.	46,650.00	-	46,650.00	-	-	46,650.00	46,650.00
Development of M.I.S.	2,500,000.00	-	2,500,000.00	-	-	2,500,000.00	2,500,000.00
Dynamic Analysis Cutting Parameter	93,300.00	-	93,300.00	-	-	93,300.00	93,300.00
Dynamic Analysis Cutting Parameter	6,950.00	-	6,950.00	-	-	6,950.00	6,950.00
Electrical Engg. Deptt. (P.G.)	21,350.00	-	21,350.00	-	-	21,350.00	21,350.00
Electrical Engg. Deptt. (U.G.)	124,700.00	-	124,700.00	-	-	124,700.00	124,700.00
Electronics Engg. Deptt. (U.G.)	10,900.00	-	10,900.00	-	-	10,900.00	10,900.00
Examination Fees	365,584.00	-	365,584.00	-	-	365,584.00	365,584.00
Excellence in Rec.	7,425,931.00	-	7,425,931.00	-	-	7,425,931.00	7,425,931.00
Excellence in Reek (Net Working)	1,898,045.00	-	1,898,045.00	-	-	1,898,045.00	1,898,045.00
General Utility Equipment/ Upd.& Expa.of Lab.	4,064,343.00	-	4,064,343.00	-	-	4,064,343.00	4,064,343.00
High Speed Communication Lab.	129,025.00	-	129,025.00	-	-	129,025.00	129,025.00
High Speed Computer (WAN)	7,092,823.00	-	7,092,823.00	-	-	7,092,823.00	7,092,823.00
High Speed Internet Access	4,629,491.00	-	4,629,491.00	-	-	4,629,491.00	4,629,491.00
Information Tech (U.G.)	100,000.00	-	100,000.00	-	-	100,000.00	100,000.00
Infrastructure in Area of Weakness	6,564,080.00	-	6,564,080.00	-	-	6,564,080.00	6,564,080.00
Institutional Network Scheme	8,303,260.00	-	8,303,260.00	-	-	8,303,260.00	8,303,260.00
Library Operating Cost	24,600.00	-	24,600.00	-	-	24,600.00	24,600.00
Maintenance of Computer & Equip. (Reek)	435,632.00	-	435,632.00	-	-	435,632.00	435,632.00

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	Depreciation during the year	As at March 31, 2014	As at March 31, 2013	As at March 31, 2013
MCA Contingencies	12,733.00	-	12,733.00	-	-	12,733.00	-	12,733.00
Mechanical Engg. Deptt (P. G.)	277,400.00	-	277,400.00	-	-	277,400.00	-	277,400.00
Mechanical Engg. Deptt (U. G.)	115,000.00	-	115,000.00	-	-	115,000.00	-	115,000.00
Mod of Computational Facilities	17,249.00	-	17,249.00	-	-	17,249.00	-	17,249.00
Mod. of Survey & Remote Sensing Lab.	886,751.00	-	886,751.00	-	-	886,751.00	-	886,751.00
Nodal Centre	252,797.00	-	252,797.00	-	-	252,797.00	-	252,797.00
Office Contingency	6,000.00	-	6,000.00	-	-	6,000.00	-	6,000.00
Placement Charges	77,900.00	-	77,900.00	-	-	77,900.00	-	77,900.00
Project Account	949,406.00	-	949,406.00	-	-	949,406.00	-	949,406.00
Q.I.P. Poly	12,900.00	-	12,900.00	-	-	12,900.00	-	12,900.00
R.E.C.British University Collaboration.	10,364,040.00	-	10,364,040.00	-	-	10,364,040.00	-	10,364,040.00
Research & Consultancy	462,073.00	-	462,073.00	-	-	462,073.00	-	462,073.00
Training & Placement	92,691.00	-	92,691.00	-	-	92,691.00	-	92,691.00
Depreciation @ 60%	-	-	-	71,314,009.00	8,567.00	71,322,576.00	(71,314,009.00)	(71,314,009.00)
Sub Total	71,328,288.00	-	71,328,288.00	71,314,009.00	8,567.00	71,322,576.00	(71,314,009.00)	14,279.00
Assets out of Deferred Government Grants:								
Applied Maths & Science (U.G.)	41,940.00	-	41,940.00	-	-	41,940.00	-	41,940.00
Applied Mechanics Dept.(P.G.)	127,071.00	-	127,071.00	-	-	127,071.00	-	127,071.00
Applied Mechanics Dept.(U.G.)	62,400.00	-	62,400.00	-	-	62,400.00	-	62,400.00
Chemistry Deptt.	40,120.00	-	40,120.00	-	-	40,120.00	-	40,120.00
Civil Engg. Deptt.(P.G.)	309,440.00	-	309,440.00	-	-	309,440.00	-	309,440.00
Civil Engg. Deptt.(U.G.)	146,153.00	-	146,153.00	-	-	146,153.00	-	146,153.00
Computer Centre (Stay & Lab)	229,375.00	-	229,375.00	-	-	229,375.00	-	229,375.00
Computer Sc. Deptt. (P.G.)	71,354.00	-	71,354.00	-	-	71,354.00	-	71,354.00
Computer Sc. Deptt. (U.G.)	512,793.00	-	512,793.00	-	-	512,793.00	-	512,793.00
Computer Science Course (Stationery)	163,476.00	-	163,476.00	-	-	163,476.00	-	163,476.00
GIS Cell	33,090.00	-	33,090.00	-	-	33,090.00	-	33,090.00
Electrical Engg. Deptt. (P.G.)	46,088.00	-	46,088.00	-	-	46,088.00	-	46,088.00
Electrical Engg. Deptt. (U.G.)	102,960.00	-	102,960.00	-	-	102,960.00	-	102,960.00
Electronics Engg. Deptt. (U.G.)	253,737.00	-	253,737.00	-	-	253,737.00	-	253,737.00
General Utility Equipment/ Upd. & Expa.of Lab.	30,953,627.40	12,796,939.00	43,750,566.40	-	-	43,750,566.40	-	30,953,627.40
Humanities Deptt.	128,200.00	-	128,200.00	-	-	128,200.00	-	128,200.00
Information Tech (U.G.)	121,880.00	-	121,880.00	-	-	121,880.00	-	121,880.00
Internet Bandwidth - Internet Cabling	276,528.00	-	276,528.00	-	-	276,528.00	-	276,528.00
Library Operating Cost	34,950.00	-	34,950.00	-	-	34,950.00	-	34,950.00
Maint. Of Computer & Equipment	135,701.00	-	135,701.00	-	-	135,701.00	-	135,701.00
Maths Deptt.	9,300.00	-	9,300.00	-	-	9,300.00	-	9,300.00
MCA Contingency	285,382.00	-	285,382.00	-	-	285,382.00	-	285,382.00
Mechanical Engg. Deptt (P.G.)	107,127.00	-	107,127.00	-	-	107,127.00	-	107,127.00
Mechanical Engg. Deptt (U.G.)	419,783.00	-	419,783.00	-	-	419,783.00	-	419,783.00
MED Workshop	21,600.00	-	21,600.00	-	-	21,600.00	-	21,600.00
Networking	4,831,905.00	-	4,831,905.00	-	-	4,831,905.00	-	4,831,905.00
Research Grant	38,320.00	-	38,320.00	-	-	38,320.00	-	38,320.00
OBC Plan Grant	38,833,368.00	-	38,833,368.00	-	-	38,833,368.00	-	38,833,368.00
OBC Recurring Grant	613,025.00	-	613,025.00	-	-	613,025.00	-	613,025.00
Plan Grant	4,086,777.60	-	4,086,777.60	-	-	4,086,777.60	-	4,086,777.60
M/R Institute - Electric Maintenance	11,130.00	-	11,130.00	-	-	11,130.00	-	11,130.00
NCI & NICSI Grant	829,779.00	-	829,779.00	-	-	829,779.00	-	829,779.00
SMS/MBA Op. cost	58,710.00	-	58,710.00	-	-	58,710.00	-	58,710.00

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	As at March 31, 2014	As at March 31, 2013
Renovation of Building Structure	50,325.90	-	50,325.90	-	50,325.90	50,325.90
Student Activity Centre	101,355.00	-	101,355.00	-	101,355.00	101,355.00
AMD U.G. - Capital (Computer & peripheral)	22,028.00	-	22,028.00	-	22,028.00	22,028.00
Utencil charges	13,000.00	-	13,000.00	-	13,000.00	13,000.00
M/R Maintenance of vehicles	11,130.00	-	11,130.00	-	11,130.00	11,130.00
Physics Deptt.	43,952.00	-	43,952.00	-	43,952.00	43,952.00
Depreciation @ 60%	-	-	-	73,161,064.00	83,358,914.00	(73,161,064.00)
Sub Total	84,178,880.90	12,796,939.00	96,975,819.90	73,161,064.00	83,358,914.00	11,017,816.90
Assets out of Institute Receipts						
Computer Stationery Charges	488,373.00	-	488,373.00	-	488,373.00	488,373.00
Examination Fees	499,154.00	-	499,154.00	-	499,154.00	499,154.00
MMS/MBA Operating Cost	88,597.00	-	88,597.00	-	88,597.00	88,597.00
Placement Charges	159,159.00	-	159,159.00	-	159,159.00	159,159.00
Raw Material & Consumable of Lab	85,575.00	-	85,575.00	-	85,575.00	85,575.00
Student Activity Centre	10,447.00	-	10,447.00	-	10,447.00	10,447.00
Depreciation @ 60%	-	-	-	1,238,704.00	1,294,265.00	(1,238,704.00)
Sub Total	1,331,305.00	-	1,331,305.00	1,238,704.00	1,294,265.00	92,601.00
Assets out of Subsidiaries Fund						
Alumni Association	16,793.00	48,400.00	65,193.00	-	65,193.00	16,793.00
Dean Academic Affairs	34,500.00	-	34,500.00	-	34,500.00	34,500.00
Industrial Estate	43,877.00	-	43,877.00	-	43,877.00	43,877.00
Nodal Centre	85,306.00	-	85,306.00	-	85,306.00	85,306.00
Project Account	6,448,955.00	106,985.00	6,555,940.00	-	6,555,940.00	6,448,955.00
R&C Cell	7,328,297.00	8,484,626.00	15,812,923.00	-	15,812,923.00	7,328,297.00
Sub Total	13,957,728.00	8,640,011.00	22,597,739.00	-	22,597,739.00	13,957,728.00
TOTAL	170,796,201.90	21,436,950.00	192,233,151.90	145,713,777.00	155,975,755.00	25,082,424.90

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET**

FIXED ASSETS

(C7). ELECTRIC INSTALLATIONS

ANNEXURE 'C' OF SCH 7

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions) 2014	As at March 31, 2014	As at April 01, 2013 during the year	As at March 31, 2014	As at March 31, 2013
Assets out of Capital Fund:						
Air Conditioner (Dean Office)	112,562.00	-	112,562.00	-	112,562.00	112,562.00
Air Conditioner (Integrated Water Shed)	74,208.00	-	74,208.00	-	74,208.00	74,208.00
Air Conditioning Plant	209,472.00	-	209,472.00	-	209,472.00	209,472.00
Civil Engg. Deptt. (P.G.)	29,810.00	-	29,810.00	-	29,810.00	29,810.00
Computer Sc. Deptt.(U.G)	11,200.00	-	11,200.00	-	11,200.00	11,200.00
Cooler (Soil Exploration)	3,003.00	-	3,003.00	-	3,003.00	3,003.00
Electrification of CAC Building	30,000.00	-	30,000.00	-	30,000.00	30,000.00
Electrification of Computer Building	17,591.00	-	17,591.00	-	17,591.00	17,591.00
Electrification of Guest House	9,260.00	-	9,260.00	-	9,260.00	9,260.00
Electrification of Soil Exploration & F. D.	10,579.00	-	10,579.00	-	10,579.00	10,579.00
Furniture	15,000.00	-	15,000.00	-	15,000.00	15,000.00
General Utility Equipment	564,833.00	-	564,833.00	-	564,833.00	564,833.00
Hostel Fans	301,808.00	-	301,808.00	-	301,808.00	301,808.00
M/R Institute --Electric	29,050.00	-	29,050.00	-	29,050.00	29,050.00
M/R Institute Furniture	48,900.00	-	48,900.00	-	48,900.00	48,900.00
Project Account	244,177.00	-	244,177.00	-	244,177.00	244,177.00
Renovation of Electrical System & Facilities	4,805,815.00	-	4,805,815.00	-	4,805,815.00	4,805,815.00
School of Non Formal & Continuing Education	45,943.00	-	45,943.00	-	45,943.00	45,943.00
Stabilizer (Integrated Water Shed Management)	9,960.00	-	9,960.00	-	9,960.00	9,960.00
T.V. Set (Student Welfare Fund)	87,509.00	-	87,509.00	-	87,509.00	87,509.00
Tape Recorder (I.I.N.)	3,290.00	-	3,290.00	-	3,290.00	3,290.00
Depreciation @ 13.91%	-	-	-	4,742,705.00	5,009,953.00	(4,742,705.00)
Sub Total	6,663,970.00	-	6,663,970.00	4,742,705.00	5,009,953.00	1,921,265.00
Assets out of Deferred Government Grants:						
Air Conditioning of MP Hall & Seminar Hall	14,946,027.00	-	14,946,027.00	-	14,946,027.00	14,946,027.00
Applied Mechanics Deptt.(P.G.)	97,688.00	-	97,688.00	-	97,688.00	97,688.00
Applied Mechanics Deptt.(U.G.)	127,080.00	-	127,080.00	-	127,080.00	127,080.00
Automation of Kitchen Hostel	55,000.00	-	55,000.00	-	55,000.00	55,000.00
Biotech (U.G.)	16,720.00	-	16,720.00	-	16,720.00	16,720.00
Civil Engg. Deptt. (P.G.)	76,577.00	-	76,577.00	-	76,577.00	76,577.00
Civil Engg. Deptt.(U.G.)	129,737.00	-	129,737.00	-	129,737.00	129,737.00
Computer Sc. Deptt.(P.G.)	44,970.00	-	44,970.00	-	44,970.00	44,970.00
Computer Sc. Deptt.(U.G.)	18,601.00	-	18,601.00	-	18,601.00	18,601.00
Computer Science Course Stationary	23,950.00	-	23,950.00	-	23,950.00	23,950.00
Electrical Engg. Deptt. (P.G)	24,750.00	-	24,750.00	-	24,750.00	24,750.00
Electrical Engg. Deptt. (U.G)	73,049.00	-	73,049.00	-	73,049.00	73,049.00
Electronics Engg. Deptt. (P.G.)	24,400.00	-	24,400.00	-	24,400.00	24,400.00
Electronics Engg. Deptt. (U.G.)	203,800.00	-	203,800.00	-	203,800.00	203,800.00
General Utility Equipment	9,665,684.00	1,098,998.00	10,764,682.00	-	10,764,682.00	9,665,684.00

DESCRIPTION	GROSSBLOCK			DEPRECIATION			NETBLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	Depreciation during the year	As at March 31, 2014	As at March 31, 2013	As at March 31, 2013
Humanities Deptt	8,850.00	-	8,850.00	-	-	-	8,850.00	8,850.00
Landscaping & Gardening	74,300.00	-	74,300.00	-	-	-	74,300.00	74,300.00
Library Operating Cost	4,900.00	-	4,900.00	-	-	-	4,900.00	4,900.00
M/R Institute Building & Road	25,990.00	-	25,990.00	-	-	-	25,990.00	25,990.00
M/R Institute - Electric Maintenance	165,638.00	-	165,638.00	-	-	-	165,638.00	165,638.00
Maint. of Computer & Equipment	1,287,798.00	-	1,287,798.00	-	-	-	1,287,798.00	1,287,798.00
MCA Contingency	48,715.00	-	48,715.00	-	-	-	48,715.00	48,715.00
Mech. Engg. Department (P.G.)	58,150.00	-	58,150.00	-	-	-	58,150.00	58,150.00
Mech. Engg. Department (U.G.)	71,856.00	-	71,856.00	-	-	-	71,856.00	71,856.00
MED Workshop-UG	5,500.00	-	5,500.00	-	-	-	5,500.00	5,500.00
OBC Plan Grant	24,452,377.00	-	24,452,377.00	-	-	-	24,452,377.00	24,452,377.00
Plan Grant	1,983,494.00	-	1,983,494.00	-	-	-	1,983,494.00	1,983,494.00
Physics Deptt. (U.G.)	13,500.00	-	13,500.00	-	-	-	13,500.00	13,500.00
Production Engg. Deptt. (U.G.)	51,000.00	-	51,000.00	-	-	-	51,000.00	51,000.00
Renovation of Building Structure	4,554,000.00	3,275,467.00	7,829,467.00	-	-	-	7,829,467.00	4,554,000.00
Renovation of Electrical System & Facilities	32,537,926.00	6,803,893.00	39,341,819.00	-	-	-	39,341,819.00	32,537,926.00
Research Grant	103,811.00	-	103,811.00	-	-	-	103,811.00	103,811.00
Depreciation @ 13.91%	-	-	-	35,471,501.00	7,976,401.00	43,447,902.00	(43,447,902.00)	(35,471,501.00)
Sub Total	90,975,838.00	11,178,358.00	102,154,196.00	35,471,501.00	7,976,401.00	43,447,902.00	58,706,294.00	55,504,337.00
Assets out of Institute Receipts								
Computer Stationery Charges	108,200.00	-	108,200.00	-	-	-	108,200.00	108,200.00
MMS Operating Cost	19,900.00	-	19,900.00	-	-	-	19,900.00	19,900.00
Placement Charges	99,000.00	-	99,000.00	-	-	-	99,000.00	99,000.00
Depreciation @ 13.91%	-	-	-	115,058.00	15,585.00	130,643.00	(130,643.00)	(115,058.00)
Sub Total	227,100.00	-	227,100.00	115,058.00	15,585.00	130,643.00	96,457.00	112,042.00
Assets out of Subsidiaries Fund								
Project Account	362,271.00	-	362,271.00	-	-	-	362,271.00	362,271.00
R&C Cell	18,775.00	-	18,775.00	-	-	-	18,775.00	18,775.00
Student Welfare Fund	123,920.00	-	123,920.00	-	-	-	123,920.00	123,920.00
Sub Total	504,966.00	-	504,966.00	-	-	-	504,966.00	504,966.00
TOTAL	98,371,874.00	11,178,358.00	109,550,232.00	40,329,264.00	8,259,234.00	48,588,498.00	60,961,734.00	58,042,610.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET**

ANNEXURE 'C' OF SCH 7

(Amount in Rs.)

FIXED ASSETS C(8).

LIBRARY BOOKS

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013 Depreciation during the year	As at March 31, 2014	As at March 31, 2013
Assets out of Capital Fund:						
Assets Trf from TEQIP	21,613,554.00	-	21,613,554.00	-	21,613,554.00	21,613,554.00
Book Bank	45,560.00	-	45,560.00	-	45,560.00	45,560.00
Book Bank for SC/ST Student	241,004.00	-	241,004.00	-	241,004.00	241,004.00
Library Books & Journal (Non Plan) PG	6,038,118.00	-	6,038,118.00	-	6,038,118.00	6,038,118.00
Library Books & Journal (Non Plan) UG	15,752,434.00	-	15,752,434.00	-	15,752,434.00	15,752,434.00
Library Books & Journal (Plan)	4,940,816.00	-	4,940,816.00	-	4,940,816.00	4,940,816.00
Library Fee	1,009,136.00	-	1,009,136.00	-	1,009,136.00	1,009,136.00
Others	2,948,391.00	-	2,948,391.00	-	2,948,391.00	2,948,391.00
P.D.T.C.	30,000.00	-	30,000.00	-	30,000.00	30,000.00
Research & Development Cell	1,622.00	-	1,622.00	-	1,622.00	1,622.00
SC/ST Pre Exams Training Centre	107,728.00	-	107,728.00	-	107,728.00	107,728.00
School of Non Formal & Continuing Education	29,224.00	-	29,224.00	-	29,224.00	29,224.00
Soil Exploration & F.D. Centre	5,664.00	-	5,664.00	-	5,664.00	5,664.00
Structural Testing & Designing Centre	1,478.00	-	1,478.00	-	1,478.00	1,478.00
Depreciation @ 60%	-	-	-	339,654.00	52,538,293.00	(52,198,639.00)
Sub Total	52,764,729.00	-	52,764,729.00	339,654.00	52,538,293.00	566,090.00
Assets out of Deferred Government Grants:						
Faculty/Staff Development Programme	9,967.00	-	9,967.00	-	9,967.00	9,967.00
Library (P.G.)	1,803,353.00	-	1,803,353.00	-	1,803,353.00	1,803,353.00
Research Grant	155,925.00	-	155,925.00	-	155,925.00	155,925.00
Library Books	6,190,485.00	-	6,190,485.00	-	6,190,485.00	6,190,485.00
Library Books & Journal (Non Plan) PG	22,340,516.00	-	22,340,516.00	-	22,340,516.00	22,340,516.00
Library Journal & Periodicals	31,022,426.00	-	31,022,426.00	-	31,022,426.00	31,022,426.00
Library TLB	428,262.00	-	428,262.00	-	428,262.00	428,262.00
Addition to library books and journals	17,530,448.00	52,243,327.00	69,773,775.00	-	69,773,775.00	17,530,448.00
Depreciation @ 60%	-	-	-	11,845,400.00	78,919,072.00	(67,073,672.00)
Sub Total	79,481,382.00	52,243,327.00	131,724,709.00	11,845,400.00	78,919,072.00	12,407,710.00
Assets out of Institute Receipts						
Library Fee	3,089,680.00	-	3,089,680.00	-	3,089,680.00	3,089,680.00
Depreciation @ 60%	-	-	-	31,156.00	3,068,910.00	(3,037,754.00)
Sub Total	3,089,680.00	-	3,089,680.00	31,156.00	3,068,910.00	51,926.00
Assets out of Subsidiaries Fund						
Project Account	662,229.00	53,634.00	715,863.00	-	715,863.00	662,229.00
TEQIP II	995,352.00	12,865,724.00	13,861,076.00	-	13,861,076.00	995,352.00
Sub Total	1,657,581.00	12,919,358.00	14,576,939.00	-	14,576,939.00	1,657,581.00
TOTAL	136,993,372.00	65,162,685.00	202,156,057.00	12,216,210.00	134,526,275.00	14,683,307.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET**

ANNEXURE 'C' OF SCH.7

FIXED ASSETS

C(9). OTHER FIXED ASSETS

(Amount in Rs.)

DESCRIPTION	GROSS BLOCK		DEPRECIATION		NET BLOCK		
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	Depreciation during the year	As at March 31, 2014	As at March 31, 2013
Assets out of Capital Fund:							
Augmentation of Academic Infrastructure	70,883.00	-	70,883.00	-	-	70,883.00	70,883.00
Capital Goods	7,590.00	-	7,590.00	-	-	7,590.00	7,590.00
Carpets	75,687.00	-	75,687.00	-	-	75,687.00	75,687.00
Civil Engg. Department P.G.	19,980.00	-	19,980.00	-	-	19,980.00	19,980.00
Development of Lawn & Gardens	231,657.00	-	231,657.00	-	-	231,657.00	231,657.00
Elect. Engg. Department(P.G.)	8,700.00	-	8,700.00	-	-	8,700.00	8,700.00
Excellence in REC (Library Collection Development)	11,484,666.00	-	11,484,666.00	-	-	11,484,666.00	11,484,666.00
Excellence in REC (R & D Supports)	1,639,347.00	-	1,639,347.00	-	-	1,639,347.00	1,639,347.00
Furniture	37,780.00	-	37,780.00	-	-	37,780.00	37,780.00
General Utility Equipment	109,000.00	-	109,000.00	-	-	109,000.00	109,000.00
Maint. & Rep.Institute -- Electric	4,980.00	-	4,980.00	-	-	4,980.00	4,980.00
Mech. Engg. Department (P.G.)	4,900.00	-	4,900.00	-	-	4,900.00	4,900.00
Office Contingency	17,500.00	-	17,500.00	-	-	17,500.00	17,500.00
Strengthening of Infrastructure Facilities	576,492.00	-	576,492.00	-	-	576,492.00	576,492.00
Depreciation @ 13.91%	-	-	-	11,677,117.00	363,335.00	(12,040,452.00)	(11,677,117.00)
Sub Total	14,289,162.00	-	14,289,162.00	11,677,117.00	363,335.00	2,248,710.00	2,612,045.00
Assets out of Deferred Government Grants:							
Applied Mechanics Dept.(P.G.)	44,837.00	-	44,837.00	-	-	44,837.00	44,837.00
Applied Mechanics Dept.(U.G.)	77,262.00	-	77,262.00	-	-	77,262.00	77,262.00
B.O.G. & Other Meetings	6,165.00	-	6,165.00	-	-	6,165.00	6,165.00
Chemistry Dept	33,825.00	-	33,825.00	-	-	33,825.00	33,825.00
Civil Engg. Department (U.G.)	45,121.50	-	45,121.50	-	-	45,121.50	45,121.50
Civil Engg. Department (P.G.)	9,030.00	-	9,030.00	-	-	9,030.00	9,030.00
Computer Center	23,760.00	-	23,760.00	-	-	23,760.00	23,760.00
Computer Sc. Deptt. UG	44,946.00	-	44,946.00	-	-	44,946.00	44,946.00
Computer Sc. Engg. Dept (P.G.)	19,260.00	-	19,260.00	-	-	19,260.00	19,260.00
Computer Science Course (Stationery)	23,452.00	-	23,452.00	-	-	23,452.00	23,452.00
Development of Lawn & Gardens	63,046.00	-	63,046.00	-	-	63,046.00	63,046.00
Electronics Engg. Deptt (P.G.)	11,250.00	-	11,250.00	-	-	11,250.00	11,250.00
General Utility Equipment	1,795,203.10	33,710,913.00	35,506,116.10	-	-	35,506,116.10	1,795,203.10
Landscaping & Gardening	150,182.00	-	150,182.00	-	-	150,182.00	150,182.00
Library Operating Cost	12,400.00	-	12,400.00	-	-	12,400.00	12,400.00
M/R Institute Building & Road	67,090.00	-	67,090.00	-	-	67,090.00	67,090.00
Maint. & Rep. Hostel - Building & Road	113,882.00	-	113,882.00	-	-	113,882.00	113,882.00
Maint. Of Computer & Equipment	190,914.00	-	190,914.00	-	-	190,914.00	190,914.00
Maintenance & Repairs - Recurring (OBC)	271,409.00	-	271,409.00	-	-	271,409.00	271,409.00
MCA Operating Cost	101,797.00	-	101,797.00	-	-	101,797.00	101,797.00
Mech. Engg. Department (U.G.)	207,565.00	-	207,565.00	-	-	207,565.00	207,565.00
MED Workshop	9,980.00	-	9,980.00	-	-	9,980.00	9,980.00
OBC Plan Grant	1,769,904.00	-	1,769,904.00	-	-	1,769,904.00	1,769,904.00
OBC Plan Grant	239,660.00	-	239,660.00	-	-	239,660.00	239,660.00
Renovation of Building Structure	1,089,512.00	2,625,616.00	3,715,128.00	-	-	3,715,128.00	1,089,512.00
Renovation of Electrical System & Facilities	23,400.00	-	23,400.00	-	-	23,400.00	23,400.00
Research Grant	51,870.00	-	51,870.00	-	-	51,870.00	51,870.00

DESCRIPTION	GROSS BLOCK			DEPRECIATION			NET BLOCK	
	As at April 01, 2013	Additions/ (Deductions)	As at March 31, 2014	As at April 01, 2013	Depreciation during the year	As at March 31, 2014	As at March 31, 2014	As at March 31, 2013
Student Club	45,235.00	-	45,235.00	-	-	-	45,235.00	45,235.00
Utencil Charges	40,283.00	-	40,283.00	-	-	-	40,283.00	40,283.00
Student Activity Center	24,964.00	-	24,964.00	-	-	-	24,964.00	24,964.00
Depreciation @ 13.91%	-	-	-	2,188,151.00	1,242,196.00	3,430,347.00	(3,430,347.00)	(2,188,151.00)
Sub Total	6,007,204.60	36,336,529.00	42,943,733.60	2,188,151.00	1,242,196.00	3,430,347.00	39,513,386.60	4,419,053.60
Assets out of Institute Receipts								
MMS Operating Cost	24,850.00	-	24,850.00	-	-	-	24,850.00	24,850.00
Placement Charges	101,797.00	-	101,797.00	-	-	-	101,797.00	101,797.00
Utencil Charges	10,440.00	-	10,440.00	-	-	-	10,440.00	10,440.00
Depreciation @ 13.91%	-	-	-	79,792.00	7,970.00	87,762.00	(87,762.00)	(79,792.00)
Sub Total	137,087.00	-	137,087.00	79,792.00	7,970.00	87,762.00	49,325.00	57,295.00
Assets out of Subsidiaries Fund								
Student Welfare Fund	1,015,359.00	-	1,015,359.00	-	-	-	1,015,359.00	1,015,359.00
Sub Total	1,015,359.00	-	1,015,359.00	-	-	-	1,015,359.00	1,015,359.00
TOTAL	22,048,812.60	36,336,529.00	58,385,341.60	13,945,060.00	1,613,501.00	15,558,561.00	42,826,780.60	8,103,752.60

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 8- INVESTMENTS

INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS	CURRENT YEAR	PREVIOUS YEAR
1. In Government Securities	-	-
2. Other approved Securities	-	-
3. Shares	-	-
4. Debentures and Bonds	-	-
5. Subsidiaries and Joint Ventures	-	-
6. Others (to be specified) (Refer Annexure D)	254,349,981.00	246,394,373.00
<u>TOTAL</u>	254,349,981.00	246,394,373.00

INVESTMENTS - OTHERS	CURRENT YEAR	PREVIOUS YEAR
1. In Government Securities		
2. Other approved Securities		
3. Shares		
4. Debentures and Bonds		
5. Subsidiaries and Joint Ventures		
6. Others (to be specified)		
<u>TOTAL</u>		

(Amount-Rs)

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE 'D' OF SCH 8

INVESTMENTS

'D-1' - INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS

Particulars	Opening Balance as on 01/04/2013	Deposited during the Year	Encashed during the Year	As at March 31, 2014	As at March 31, 2013
(Amount in Rs.)					
<u>General Provident Fund:</u>					
Treasury Account	1,007,349.00	-	-	1,007,349.00	1,007,349.00
Fixed Deposit with Bank	151,246,372.00	30,000,000.00	-	181,246,372.00	151,246,372.00
Savings Bank Account	37,708,917.00	30,741,645.00	69,818,501.00	(1,367,939.00)	37,708,917.00
Interest Accrued on FDR-GPF	5,232,322.00	-	-	5,232,322.00	5,232,322.00
				<u>186,118,104.00</u>	
<u>Contributory Provident Fund:</u>					
Savings Bank Account	1,387,012.00	-	212,158.00	1,174,854.00	1,387,012.00
Fixed Deposit Receipt	8,844,331.00	-	1,844,331.00	7,000,000.00	8,844,331.00
Interest Accrued on FDR-CPF	1,281,267.00	-	-	1,281,267.00	1,281,267.00
				<u>9,456,121.00</u>	
<u>New Pension Scheme:</u>					
Savings Bank Account	25,000.00	4,117,509.00	-	4,142,509.00	25,000.00
Fixed Deposit / Auto Sweep	39,661,803.00	14,971,444.00	-	54,633,247.00	39,661,803.00
				<u>58,775,756.00</u>	
TOTAL	246,394,373.00	79,830,598.00	71,874,990.00	254,349,981.00	246,394,373.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 9- CURRENT ASSETS

<u>PARTICULARS</u>	CURRENT YEAR	PREVIOUS YEAR
1. Stock:		
a) Stores and Spares (Stock of Consumables & Other Materials)	345,543.00	345,543.00
b) Loose Tools	-	-
c) Publications	-	-
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding six months- Industrial Estate	11,325,975.43	12,352,182.05
b) Others	-	-
3. Cash balances in hand (including cheques/drafts and imprest)	-	-
4. Bank Balances (to be further classified as pertaining to earmarked fund or otherwise)		
<u>Earmarked Funds</u>		
a) <u>With Scheduled Banks:</u>		
On Current Accounts	-	-
On Term Deposit Account	-	-
On Saving Accounts (Refer Annexure E (1))	6,151,138.00	5,912,282.00
b) <u>With non-Scheduled Banks:</u>		
On Current Accounts	-	-
On Term Deposit Account	-	-
On Saving Accounts	-	-
<u>Non-Earmarked Funds</u>		
a) <u>With Scheduled Banks:</u>		
On Current Accounts (Refer Annexure E (2))	309,522,205.48	288,454,165.90
On Term Deposit Account (Refer Annexure E (3))	420,029,914.00	357,341,601.00
On Saving Accounts (Refer Annexure E (4))	142,885,309.94	369,286,936.81
b) <u>With non-Scheduled Banks:</u>		

(Amount-Rs)

On Current Accounts	-	-
On Term Deposit Account	-	-
On Saving Accounts	-	-
5. Post Office - Saving Accounts	-	-
<u>TOTAL (A)</u>	890,260,085.85	1,033,692,710.76

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET**

ANNEXURE 'E' OF SCH 9

CURRENT ASSETS

E1- EARMARKED FUNDS- BALANCE WITH BANKS - (ON SAVINGS & AUTOSWEEP ACCOUNT)

Particulars	Current Year 2013-14		Previous Year 2012-2013		(Amount in Rs.)
	Balance with Bank	Balance in Hand	Balance with Bank	Balance in Hand	
					Total Cash & Bank Balance
INSTITUTE:					
Corpus Fund - SBI SB	3,690,375.00	-	3,547,074.00	-	3,547,074.00
Staff Development Fund- SBI SB	1,230,271.00	-	1,182,498.00	-	1,182,498.00
Development/Renewal Fund- SBI SB	615,246.00	-	591,355.00	-	591,355.00
Maintenance Fund- SBI SB	615,246.00	-	591,355.00	-	591,355.00
TOTAL	6,151,138.00	-	5,912,282.00	-	5,912,282.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE 'E' OF SCH 9

CURRENT ASSETS

E-2 - NON-EARMARKED FUNDS: BALANCE WITH BANKS - (ON CURRENT ACCOUNT)

(Amount in Rs.)

Particulars	Current Year 2013-14		Previous Year 2012-13		Total Cash & Bank Balance
	Balance with Bank	Balance in Hand	Balance with Bank	Balance in Hand	
INSTITUTE:					
with State Bank of India -	3,922,679.22	-	3,922,679.22	-	122,549,975.64
with State Bank of India - Fees A/c	302,448,897.00	-	302,448,897.00	-	161,074,616.00
SUBSIDIARY FUNDS					
Admission Committee	704,312.00	-	704,312.00	-	704,312.00
Industrial Estate	2,402,184.26	-	2,402,184.26	-	4,092,534.26
Kitchen Project	6,272.00	-	6,272.00	-	6,272.00
Sponsored Gold Medal	37,861.00	-	37,861.00	-	26,456.00
SUB TOTAL	3,150,629.26	-	3,150,629.26	-	4,829,574.26
TOTAL	309,522,205.48	-	309,522,205.48	-	288,454,165.90

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET**

ANNEXURE 'E' OF SCH 9

CURRENT ASSETS

E-3 - NON-EARMARKED FUNDS- TERM DEPOSITS

Particulars	Opening Balance as on 01/04/2013	Deposited during the Year	Encashed during the Year	As at March 31, 2014	As at March 31, 2013
					(Amount in Rs.)
<u>INSTITUTE:</u>					
TDR -- Institute - Vijaya Bank		100,000,000.00	100,000,000.00	-	
TDR -- Institute - SBI	90,000,000.00	-	-	90,000,000.00	90,000,000.00
TDR -- Institute - Bank of Baroda	53,048,536.00	-	-	53,048,536.00	53,048,536.00
TDR -- Out of Caution Money	10,227,804.00	-	-	10,227,804.00	10,227,804.00
				<u>153,276,340.00</u>	
<u>SUBSIDIARY FUNDS:</u>					
T.D.R. with S.N.F.C.E.	9,800,000.00	-	-	9,800,000.00	9,800,000.00
T.D.R. with Student Welfare Fund	7,598,119.00	4,983,931.00	-	12,582,050.00	7,598,119.00
T.D.R. with Industrial Estate	20,800,000.00	6,500,000.00	-	27,300,000.00	20,800,000.00
T.D.R. with G.K. Agarwal Trust	300,000.00	-	-	300,000.00	300,000.00
T.D.R. with Alumni Association	2,969,410.00	5,118,599.00	2,935,449.00	5,152,560.00	2,969,410.00
T.D.R. with R&C Cell	147,923,569.00	29,896,933.00	-	177,820,502.00	147,923,569.00
T.D.R. with Sponsored Gold Medal	209,755.00	178,733.00	-	388,488.00	209,755.00
T.D.R. with Project Account	14,464,408.00	18,945,566.00	-	33,409,974.00	14,464,408.00
				<u>420,029,914.00</u>	
TOTAL	357,341,601.00	165,623,762.00	102,935,449.00	420,029,914.00	357,341,601.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF BALANCE SHEET

ANNEXURE 'E' OF SCH 9

CURRENT ASSETS
E-4- NON-EARMARKED FUNDS - BALANCE WITH BANKS - (ON SAVINGS & AUTOSWEEP ACCOUNT):

Particulars	Current Year 2013-14		Previous Year 2012-2013		(Amount in Rs.)
	Balance with Bank	Balance in Hand	Balance with Bank	Balance in Hand	
		Total Cash & Bank Balance		Total Cash & Bank Balance	
<u>INSTITUTE:</u>					
with State Bank of India	-	-	-	-	-
with Vijaya Bank	95,939,685.61	-	286,128,308.36	-	286,128,308.36
SUB TOTAL	95,939,685.61	-	286,128,308.36	-	286,128,308.36
<u>SUBSIDIARY FUNDS:</u>					
Text Book Lending Bank	444,555.00	-	413,528.00	-	413,528.00
I.T.N. Course	-	-	-	-	-
G.K. Agarwal Trust	180,286.00	-	151,557.00	-	151,557.00
Nodal Centre	78,527.00	-	637,723.00	-	637,723.00
Product Development & Training Centr	178,987.00	-	172,037.00	-	172,037.00
Student Welfare Fund	3,255,072.00	-	6,966,179.00	-	6,966,179.00
School of Non Formal & Cont. Education	4,763,013.00	-	4,221,893.00	-	4,221,893.00
Alumni Association	2,337,754.50	-	3,920,615.50	-	3,920,615.50
TEQIP - II	4,278,311.00	-	11,553,159.00	-	11,553,159.00
Research & Consultancy Cell	10,576,963.55	-	20,090,681.55	-	20,090,681.55
Dean Academic Affairs	11,487,242.50	-	20,491,942.00	-	20,491,942.00
Project Account	9,364,912.78	-	14,539,313.40	-	14,539,313.40
SUB TOTAL	46,945,624.33	-	83,158,628.45	-	83,158,628.45
	142,885,309.94	-	369,286,936.81	-	369,286,936.81
TOTAL					

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 10 -- LOANS, ADVANCES AND DEPOSITS

	CURRENT YEAR	PREVIOUS YEAR
1. Advances to employees: (Non-interest bearing)		
a) Salary (Refer Annexure F (1))	7,174,603.00	7,082,045.00
b) Festival	3,970,200.00	4,119,700.00
c) LTC	-	-
d) Medical Advance	-	-
e) Other (to be specified) (Refer Annexure F (2))	6,433,738.00	17,418,798.00
2. Long Term Advances to employees: (Interest bearing)		
a) Vehicle loan	-	-
b) Home loan	-	-
c) Others (to be specified)	-	-
3. Advances and other amounts recoverable in cash or in kind or for value to be received:		
a) On Capital Account (Refer Annexure F (3))	40,833,073.00	69,979,569.00
b) to suppliers	-	-
c) Others (Refer Annexure F (4))	15,720,938.64	14,158,641.00
4. Prepaid Expenses		
a) Insurance	-	-
b) Other expenses		
Library & E-Journals	17,120,922.75	-
5. Deposits		
a) Telephone	-	-
b) Lease Rent	-	-
c) Electricity	-	-

d) AICTE, if applicable	-	-
e) MCI, if applicable	-	-
f) Others (to be specified)	-	-
6. Income Accrued:		
a) On Investments from Earmarked/ Endowment Funds (Refer Annexure F (5))	43,144,139.00	25,917,379.00
b) On Investments-Others	-	-
c) On Loans and Advances	-	-
d) Others	-	-
(includes income due unrealized-Rs.....)		
7. Other receivable		
a) Debit balances in Sponsored Projects	-	-
b) Debit balances in Fellowship & Scholarship (Refer Annexure F (6))	6,280,996.00	5,224,378.00
c) Grants Recoverable	-	-
d) Other receivables	-	-
8. Claims Receivable	-	-
TOTAL	140,678,610.39	143,900,510.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE F OF SCH 10

LOANS, ADVANCES AND DEPOSITS

Particulars	Opening Balance as on 01/04/2013	Advances given during the Current Year 2013-14	Advances Adjusted during the Current Year 2013-14	Journal Entry Adjustments	As at March 31, 2014	As at March 31, 2013
F(1). Advances to Employees						
1. Salary						
Institute- Imprest earlier years	806,930.00	-	-	-	806,930.00	806,930.00
Institute-Staff Advances - F-(i)	5,934,115.00	13,192,432.00	13,394,624.00	-	5,731,923.00	5,934,115.00
Institute- Permanent Imprest - F-(ii)	341,000.00	776,607.00	481,857.00	-	635,750.00	341,000.00
TOTAL	7,082,045.00	13,969,039.00	13,876,481.00	-	7,174,603.00	7,082,045.00
F(2). Advances - Others						
Institute-Interest recoverable from GPF	970,000.00	-	-	-	970,000.00	970,000.00
Institute-Science City- Recoverable Expense	92,325.00	-	-	-	92,325.00	92,325.00
Institute-CCBFund	69,385.00	-	-	-	69,385.00	69,385.00
Institute-LC Debit on account R&C	14,981,327.00	-	10,985,060.00	-	3,996,267.00	14,981,327.00
Institute-NPS Payment	499,260.00	-	-	-	499,260.00	499,260.00
Subsidiary-Miscellaneous Advances	806,501.00	-	-	-	806,501.00	806,501.00
TOTAL	17,418,798.00	-	10,985,060.00	-	6,433,738.00	17,418,798.00

(Amount in Rs.)

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE F OF SCH 10

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2013	Advances given during the Current Year 2013-14	Advances Adjusted during the Current Year 2013-14	Journal Entry Adjustments	As at March 31, 2014	As at March 31, 2013
Pending Adjustment with Contractors (Earlier years)	45,705.00	-	-	-	45,705.00	45,705.00
Advances for Fixed Assets & Revenue Expenses - F-(iii)	69,933,864.00	3,064,209.00	32,210,705.00	-	40,787,368.00	69,933,864.00
TOTAL	69,979,569.00	3,064,209.00	32,210,705.00	-	40,833,073.00	69,979,569.00

F-3. Advances and other amounts recoverable in cash or in kind or for value to be received -- On Capital Account

F(4). Advances and other amounts recoverable in cash or in kind or for value to be received -- Others

Subsidiary- Alumni Association - Advance & Im	15,000.00	-	10,000.00	-	5,000.00	15,000.00
Subsidiary-Dean Academics - Advances	200,000.00	231,000.00	381,000.00	-	50,000.00	200,000.00
Subsidiary-Project Account - Advance & Impre	444,954.00	75,016.00	130,066.00	-	389,904.00	444,954.00
R&C Cell - Advances & Imprest	1,001,078.00	3,324,350.00	1,826,379.00	-	2,499,049.00	1,001,078.00
R&C Cell - Receivable against Uncleared Chequ	11,650.00	-	-	-	11,650.00	11,650.00
R&C Cell - Receivable from Project Account	154,018.00	1,169,073.00	1,169,073.00	-	154,018.00	154,018.00
R&C Cell - Loan/Cont. to GPF A/c towards Int	7,800,000.00	-	-	-	7,800,000.00	7,800,000.00
SNFCE - Advance & Imprest	-	40,000.00	40,000.00	-	-	-
SNFCE - Receivable against FDP	1,486,074.00	-	-	-	1,486,074.00	1,486,074.00
Subsidiary-Student Welfare Fund - Advance	72,807.00	15,000.00	1,200.00	-	86,607.00	72,807.00
Subsidiary-Student Welfare Fund - LIC	37,636.00	-	-	-	37,636.00	37,636.00
TEQIP - Advances Recoverable	506,794.00	4,505,417.00	-	-	5,012,211.00	506,794.00
Loan to Tanzanian Student Project	251,000.00	-	-	-	251,000.00	251,000.00
Loan to Student Subsidiary Funds	91,000.00	-	-	-	91,000.00	91,000.00
Recoverable Deposit- Institute- G.I. for Students	1,398,720.00	1,705,523.00	1,898,876.36	-	1,205,366.64	1,398,720.00
Recoverable Deposit- Institute-Group Insurance	177,924.00	384,099.00	738,655.00	-	(176,632.00)	177,924.00
Recoverable Deposit- Institute-Security & Earne	502,880.00	2,178,016.00	5,869,947.00	-	(3,189,051.00)	502,880.00
Recoverable Deposit-Subsidiaries-Security & Ea	7,106.00	-	-	-	7,106.00	7,106.00
TOTAL	14,158,641.00	13,627,494.00	12,065,196.36	-	15,720,938.64	14,158,641.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE F OF SCH 10

F(5). Income Accrued - On Investments from Earmarked/Endowment Funds

(Amount in Rs.)

Particulars	As at March 31, 2013	Transactions during the year		As at March 31, 2014	As at March 31, 2013
		Debit	Credit		
<u>On Term Deposit</u>					
<u>Institute:</u>					
TDR - Institute	25,496,796.00	17,206,725.00	-	42,703,521.00	25,496,796.00
<u>Subsidiary Funds:</u>					
T.D.R. with Alumni Association	36,582.00			36,582.00	36,582.00
T.D.R. with Sponsored Gold Medal Student Welfare Fund	1,850.00	2,435.00	1,850.00	2,435.00	1,850.00
T.D.R. with Student Welfare Fund	239,803.00	109,675.00	239,803.00	109,675.00	239,803.00
T.D.R. out of Caution Money	142,348.00	291,926.00	142,348.00	291,926.00	142,348.00
TOTAL	25,917,379.00	17,610,761.00	384,001.00	43,144,139.00	25,917,379.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

SCHEDULE FORMING PART OF BALANCE SHEET

F(6). DEBIT BALANCES IN FELLOWSHIP & SCHOLARSHIP

ANNEXURE F OF SCH 10

(Amount in Rs.)

HEAD OF ACCOUNT	OPENING BALANCE AS ON 01/04/2013		TRANSACTION DURING THE YEAR 2013-14		CLOSING BALANCE AS ON 31/03/2014	
	DEBIT	CREDIT	DEBIT	CREDIT	DEBIT	CREDIT
Board of Apprenticeship Training	997,593.00	-	-	-	997,593.00	-
CSIR Delhi	180,503.00	-	436,482.00	60,000.00	556,985.00	-
Fellowship (MHRD)	147,489.00	-	-	-	147,489.00	-
ICCCCT (Dr. A. K. Misra)	344,820.00	-	-	-	344,820.00	-
ICSSR Project	192,000.00	-	-	-	192,000.00	-
National Seminar (HSS Department)	140,017.00	-	-	-	140,017.00	-
PHE Strip & Contingency	45,485.00	-	-	-	45,485.00	-
OIP Polytechnique	2,860,961.00	-	421,995.00	-	3,282,956.00	-
Seminar on Electric Power Conversion	72,458.00	-	-	-	72,458.00	-
U.G.C. Fellowship	-	52,687.00	689,149.00	431,008.00	205,454.00	-
UPCST Domestic Waste Water Treatment	79,402.00	-	-	-	79,402.00	-
Workshop Virtual Instrumentation & Its Applic	1,556.00	-	-	-	1,556.00	-
Fellowship (CSIR)	214,781.00	-	-	-	214,781.00	-
TOTAL	5,277,065.00	52,687.00	1,547,626.00	491,008.00	6,280,996.00	-

MOTILAL NEHRUNATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET

ANNEXURE F-1 OF SCH 10

LOANS, ADVANCES AND DEPOSITS

F-(i) - Advances to Staff

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Abdul Shamim	14,500.00	38,900.00	34,900.00	18,500.00
2	Abhay Raj Singh	-	104,462.00	104,462.00	-
3	Abhay Singh	-	20,000.00	-	20,000.00
4	Abhishek Kumar	-	235,000.00	-	235,000.00
5	Ajay Bharti	-	5,109.00	5,109.00	-
6	Ak Agarwal	-	48,000.00	48,000.00	-
7	A.K. Mishra	-	158,400.00	-	158,400.00
8	Amba Datt Bhatt	-	160,000.00	-	160,000.00
9	Amit Dhawan	-	72,000.00	72,000.00	-
10	Anil Kumar Ldc	-	236,234.00	178,934.00	57,300.00
11	Anil Sweeper	-	930.00	930.00	-
12	Animesh Kumar Ojha	-	183,490.00	183,490.00	-
13	Anirudh Narain	-	54,800.00	54,800.00	-
14	Anjana Pandey	-	80,000.00	-	80,000.00
15	Anuj Jain	107,947.00	185,000.00	247,000.00	45,947.00
16	Ashutosh Pandey	-	105,596.00	105,596.00	-
17	Asim Mukherjee	86,390.00	216,400.00	96,390.00	206,400.00
18	Avanish Kumar Dubey	56,863.00	264,880.00	321,743.00	-
19	Beena Singh	-	20,000.00	20,000.00	-
20	Bireswar Paul	-	75,000.00	75,000.00	-
21	B L Yadav	-	15,464.00	15,464.00	-
22	Deepak Kumar	-	254,224.00	206,224.00	48,000.00
23	Dharmendra Kr Shukla	-	125,000.00	125,000.00	-

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
24	Dinesh Chandra	80,018.00	67,000.00	147,018.00	-
25	D.K.Dwivedi	-	38,990.00	-	38,990.00
26	Dr. A.K. Sachan	-	10,000.00	10,000.00	-
27	Dr. Ambalika Sinha	79,200.00	69,064.00	149,064.00	(800.00)
28	Dr. Asheesh Kumar Singh	-	100,000.00	-	100,000.00
29	Dr.B.D. Chowdhary	-	222,655.00	222,656.00	(1.00)
30	Dr. Gautam Ghosh	90,000.00	52,762.00	142,762.00	-
31	Dr. Geetika	64,927.00	23,252.00	66,179.00	22,000.00
32	Dr. G.P Sahu	54,853.00	412,700.00	330,553.00	137,000.00
33	Dr. K.K. Shukla	-	57,700.00	57,700.00	-
34	Dr. K.M. Gupta	22,407.00	57,600.00	57,600.00	22,407.00
35	Dr. Manisha Sachan	8,040.00	762.00	8,762.00	40.00
36	Dr. Manoj Kumar	-	160,000.00	160,000.00	-
37	Dr. Naresh Kumar	-	10,000.00	-	10,000.00
38	Dr. Nirjhar Roy	-	211,000.00	11,000.00	200,000.00
39	Dr. Paulson Samules	150,000.00	-	-	150,000.00
40	Dr. P.P Sahay	-	100,000.00	100,000.00	-
41	Dr. Priyaranjan Pal	(2,840.00)	-	-	(2,840.00)
42	Dr Rahul Dev	-	75,000.00	75,000.00	-
43	Dr. Rajeev Tripathi	253,888.00	-	71,882.00	182,006.00
44	Dr. Rajesh Gupta	-	267,918.00	267,918.00	-
45	Dr. Rajesh Kumar Shastri	119,897.00	100,550.00	119,947.00	100,500.00
46	Dr. Raj Mohan Singh	41,602.00	57,600.00	104,198.00	(4,996.00)
47	Dr. Rakesh Kumar	2,426.00	99,444.00	99,444.00	2,426.00
48	Dr. R.K Singh	6,000.00	33,000.00	33,000.00	6,000.00
49	Dr. Sadhana Sachan	-	64,900.00	64,900.00	-
50	Dr. Sangeeta Negi	-	144,000.00	144,000.00	-
51	Dr. Sanjeev Rai	59,400.00	-	-	59,400.00
52	Dr. Shadeo Padhey	85,868.00	34,990.00	54,907.00	65,951.00
53	Dr. Shailendra Kumar Mishra	-	45,903.00	10,903.00	35,000.00

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
54	Dr. Shivesh Sharma	(29,100.00)	-	-	(29,100.00)
55	Dr. S.N. Pandey	85,350.00	33,000.00	85,349.00	33,001.00
56	Dr. S.S. Narvi	-	126,000.00	126,000.00	-
57	Dr. Sunita Agarwal	13,956.00	-	13,956.00	-
58	Dr. Tripti Singh	36,684.00	115,000.00	61,684.00	90,000.00
59	Dr. Vishnu Agrawal	110,000.00	181,366.00	203,366.00	88,000.00
60	Election Advance	117,000.00	-	-	117,000.00
61	Ganga Prasad	20,000.00	21,089.00	41,089.00	-
62	G.K Mehrotra	-	110,000.00	110,000.00	-
63	Hari Shankar	-	1,200.00	-	1,200.00
64	Hasnain Ahamad	82,800.00	-	82,800.00	-
65	H.K. Pandey	-	73,600.00	73,600.00	-
66	House Building And Vehicle Advance	1,001,086.00	3,000.00	396,600.00	607,486.00
67	Jagan Nath (Laloo)	(600.00)	-	-	(600.00)
68	Jyotsna Sinha	-	6,000.00	-	6,000.00
69	K.K. Mishra	-	158,400.00	-	158,400.00
70	K.N Pandey	-	36,000.00	1,395.00	34,605.00
71	K.N Singh	-	117,370.00	60,391.00	56,979.00
72	Kumar Pallav	-	12,600.00	12,600.00	-
73	Kumar Venkatesh	-	115,000.00	-	115,000.00
74	Lal Bahadur Maurya	3,100.00	-	-	3,100.00
75	L.K Mishra	20,500.00	-	22,500.00	(2,000.00)
76	Manish Gupta	-	128,000.00	128,000.00	-
77	Mayank Pandey	10,000.00	10,000.00	20,000.00	-
78	M C Singh	-	23,204.00	23,204.00	-
79	Mewa Lal Yadav	15,700.00	-	15,700.00	-
80	M.M. Gore	-	23,842.00	23,842.00	-
81	Moti Lal	8,000.00	-	8,000.00	-
82	M. Siraj Alam	118,000.00	81,160.00	91,090.00	108,070.00
83	Nand Kishor	-	59,758.00	59,758.00	-

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
84	Naresh Kumar	-	164,900.00	79,400.00	85,500.00
85	N.D Pandey	85,000.00	3,654.00	88,654.00	-
86	Neeraj Tyagi	-	81,125.00	81,125.00	-
87	Nekram Rawal	81,475.00	-	81,475.00	-
88	Niroj Banerjee	34,600.00	-	34,600.00	-
89	Nitin Singh	173,680.00	2,185.00	175,865.00	-
90	N.K Singh	-	242,432.00	242,432.00	-
91	Om Prakash Yadav	-	2,200.00	-	2,200.00
92	Paulson Samuel	-	68,000.00	30,000.00	38,000.00
93	P. Chakrabarti	-	460,859.00	460,859.00	-
94	Pitam Singh	146,400.00	249,270.00	395,670.00	-
95	Piyali Ghosh	19,996.00	83,925.00	103,921.00	-
96	P.Karuppanan	-	26,768.00	26,768.00	-
97	P.K Dutta	-	165,800.00	165,800.00	-
98	P. K Mishra	122,400.00	-	-	122,400.00
99	Pramod Kumar Yadav	-	115,455.00	115,455.00	-
100	Radha Rani	-	81,715.00	81,715.00	-
101	Rajeev Gupta	-	81,177.00	81,177.00	-
102	Rajitha B	-	29,150.00	29,150.00	-
103	Rakesh Mathur	86,400.00	2,234.00	88,634.00	-
104	Rakesh Narain	-	127,000.00	78,965.00	48,035.00
105	Ram Adhar	-	283,428.00	283,428.00	-
106	Ram Awadh Mishra	-	140,000.00	140,000.00	-
107	Ramesh Pandey	-	60,000.00	20,000.00	40,000.00
108	Ram Naresh	-	25,000.00	25,000.00	-
109	Ram Pal Singh	-	167,600.00	149,560.00	18,040.00
110	Ranjeet Sweeper	-	1,200.00	-	1,200.00
111	Ravindra Tripathi	-	7,650.00	7,650.00	-
112	Ravi Prakash (Amd)	10,000.00	145,000.00	45,000.00	110,000.00
113	Ravi Prakash Associate Professor	116,000.00	29,000.00	145,000.00	-

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
114	R.C. Vaisya	-	184,850.00	22,850.00	162,000.00
115	Richa Negi	-	85,000.00	-	85,000.00
116	Riyaj Ahamad	-	9,000.00	9,000.00	-
117	R.K. Srivastava	10,069.00	23,500.00	33,569.00	-
118	R.K. Verma	54.00	29,410.00	29,464.00	-
119	R.P Tiwari	-	212,410.00	212,410.00	-
120	Sangam Lal Kushwaha	-	5,100.00	5,100.00	-
121	Sanjay Chaubey	-	85,677.00	85,677.00	-
122	Sarvesh Tiwari	71,888.00	100,000.00	171,882.00	6.00
123	Seema Nara	-	54,000.00	-	54,000.00
124	Shiv Dutt Kumar	-	117,000.00	117,000.00	-
125	Shobh Nath	2,000.00	-	428.00	1,572.00
126	Shubhi Purwar	-	40,000.00	40,000.00	-
127	Shweta Ranjan-Advance	75,984.00	26,846.00	61,846.00	40,984.00
128	Shyam Babu	5,000.00	-	547.00	4,453.00
129	Shyam Lal Yadav	2,800.00	556.00	3,356.00	-
130	S.K. Agarwal	-	56,700.00	56,700.00	-
131	S.K.Gaur	-	100,000.00	100,000.00	-
132	Smt Jyotsna Sinha	144,000.00	-	-	144,000.00
133	Smt Vibhuti Tripathi	19,384.00	-	19,384.00	-
134	Soumya Ranjan Mohanty	-	219,312.00	119,224.00	100,088.00
135	S.P Verma	75,999.00	294,612.00	214,971.00	155,640.00
136	Sri Akshoy Ranjan Paul	7,750.00	65,800.00	54,146.00	19,404.00
137	Sri Amar Nath	-	4,500.00	-	4,500.00
138	Sri Amar Singh	9,850.00	-	9,850.00	-
139	Sri Anil Kumar	40,700.00	-	-	40,700.00
140	Sri Arvind Kumar	59,460.00	-	-	59,460.00
141	Sri B.D. Tripathi	-	133,000.00	133,000.00	-
142	Sri Bechan Ram	5,020.00	60,545.00	50,565.00	15,000.00
143	Sri Brijesh Kumar	452.00	-	-	452.00

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
144	Sri Devi Prasad Pant	79,998.00	-	79,998.00	-
145	Sri D.S. Kushwaha	-	178,468.00	178,468.00	-
146	Sri Mukesh Kumar	16,850.00	10,000.00	20,000.00	6,850.00
147	Sri Peeyush Ranjan Agarwal	31,671.00	90,000.00	41,534.00	80,137.00
148	Sri Puroshttam Lal	605.00	-	-	605.00
149	Sri Rabindra Kumar Patel	24,172.00	-	-	24,172.00
150	Sri Rajeevsrivastava	6,955.00	-	-	6,955.00
151	Sri Ramesh Kumar Tripathi	3,200.00	33,000.00	33,000.00	3,200.00
152	Sri Ritesh Kumar Sahu	18,479.00	14,000.00	18,479.00	14,000.00
153	Sri R.K. Sharma	52,000.00	-	49,000.00	3,000.00
154	Sri Sameer Saraswati	2,000.00	-	2,000.00	-
155	Sri Sanjay Singh	46,906.00	-	4,906.00	42,000.00
156	Sri Sanjay Yadav	22,640.00	61,368.00	61,408.00	22,600.00
157	Sri Satanand Yadav	85,568.00	149,080.00	199,649.00	34,999.00
158	Sri S.K. Mishra	173,800.00	39,120.00	212,920.00	-
159	Sri S.K. Sen	9,324.00	-	9,324.00	-
160	Sri Srikant	124,200.00	-	124,200.00	-
161	Sri Sumedha Chakma	126,159.00	15,825.00	141,984.00	-
162	Sri Trivikarma	166,000.00	-	166,000.00	-
163	Surbhi Tiwari	-	70,600.00	70,600.00	-
164	Surya Narayan B. Mishra	8,440.00	-	8,440.00	-
165	Tamal Ghosh	-	23,900.00	23,900.00	-
166	Tanuj Nandan	-	117,000.00	-	117,000.00
167	Uma Shankar	-	5,720.00	5,720.00	-
168	U.S. Sharma	-	70,115.00	70,115.00	-
169	Vandana Agrawal	-	78,923.00	78,923.00	-
170	Vijay Kumar Gaur	-	20,000.00	-	20,000.00
171	Vijay Pal (Ldc)	368,625.00	587,200.00	555,825.00	400,000.00
172	Vinay Kumar Srivastava	79,900.00	-	79,900.00	-
173	Vineeta Agarwal	-	150,300.00	150,300.00	-

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
174	Vinod Kr Mishra	86,400.00	86,400.00	49,000.00	
175	V Krishna Rao	-	20,000.00	15,000.00	
176	V Murari	-	28,000.00	-	
	Grand Total	5,934,115.00	13,192,432.00	13,394,624.00	5,731,923.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET

ANNEXURE F-1 OF SCH 10

LOANS, ADVANCES AND DEPOSITS

F-(ii) - Permanent Imprest to Employees

SI.No	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Dr. Asheesh Kr. Singh FIP	15,000.00	2,000.00	2,000.00	15,000.00
2	Dr. Asheesh Kr. Singh, O/c EDC	17,000.00	14,728.00	16,728.00	15,000.00
3	Sri A.K Singh Prof CED	5,000.00	-	-	5,000.00
4	Sri A.K. Singh, AE(E)	10,000.00	-	-	10,000.00
5	Sri A.K. Srivastava, AE(M)	5,000.00	-	-	5,000.00
6	Sri Abhay Raj Singh, Hort. Asstt.	5,000.00	-	-	5,000.00
7	Sri Asim Mukherjee	2,000.00	-	-	2,000.00
8	Sri B.D. Tripathi	10,000.00	-	-	10,000.00
9	Dr. Deepesh Tiwari, III Cell	2,000.00	-	-	2,000.00
10	Dr. K.K Shukla Proff. (Chief Proctor)	2,000.00	-	-	2,000.00
11	Dr. K.K Shukla Proff. (HAMID)	15,000.00	-	15,000.00	-
12	Dr. K.N. Pandey O.C Vehicle	10,000.00	-	-	10,000.00
13	Sri K.K. Shukla U.D.C	5,000.00	-	-	5,000.00
14	Dr. M.M. Gore	5,000.00	-	-	5,000.00
15	Dr. Nirjhar Roy HMED	15,000.00	-	15,000.00	-
16	Dr P.K. Mishra, Prof	5,000.00	-	-	5,000.00
17	Dr. Piyali Ghosh	2,000.00	-	-	2,000.00
18	Dr. R.K Srivastava Prof & Dean, P&D	5,000.00	-	-	5,000.00
19	Dr. R.K. Singh, President SAC	4,000.00	-	-	4,000.00
20	Dr. R.M Singh	2,000.00	-	-	2,000.00
21	Dr. R.P Tiwari A/P AMD	2,000.00	21,654.00	18,654.00	5,000.00
22	Dr. R.P Tiwari Prof & Head	10,000.00	15,000.00	-	25,000.00
23	Dr. Rajeev Tripathi, Dean Academic (Prof. T & P)	10,000.00	-	10,000.00	-
24	Sri R.K. Sharma, JE	3,000.00	-	3,000.00	-
25	Dr. Rajeev Tripathi, Dean Academic(Head Elec.)	10,000.00	-	-	10,000.00
26	Dr. Sanjay Chaubey	7,000.00	-	2,000.00	5,000.00
27	Dr. Shailendra Kumar Mishra M/O	15,000.00	-	-	15,000.00

Sl.No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
28	Dr. Shiv Dutt Kumar	10,000.00	-	10,000.00	-
29	Smt. Shweta Ranjan	15,000.00	-	-	15,000.00
30	Sri Sanjay Singh, JE	-	5,000.00	-	5,000.00
31	Sri S.K.Tiwari, Librarian	14,000.00	-	15,000.00	(1,000.00)
32	Shree S.p. Verma	2,000.00	-	-	2,000.00
33	Sri Sarvesh Kumar Tiwari, Registrar(PIO)	2,000.00	-	-	2,000.00
34	Dr. S.J Pawar A/P	2,000.00	-	-	2,000.00
35	Sri U.S.Sharma, Dy. Registrar (A/cs)	25,000.00	-	-	25,000.00
36	Mukesh Kumar, Warden, Raman Hostel	2,000.00	13,000.00	-	15,000.00
37	Rakesh Kumar	2,000.00	13,000.00	-	15,000.00
38	P.K.Dutta	10,000.00	-	-	10,000.00
39	L.K. Mishra	5,000.00	-	5,000.00	-
40	Suneeta agarwal	10,000.00	277,583.00	275,583.00	12,000.00
41	Sumedha Chakma	2,000.00	13,425.00	15,425.00	-
42	Mayank Pandey	2,000.00	13,000.00	-	15,000.00
43	Shivesh sharma	30,000.00	20,000.00	-	50,000.00
44	Har Nath Kar	-	12,000.00	3,250.00	8,750.00
45	V.K Srivastava	10,000.00	-	10,000.00	-
46	R. S. Yadav	-	10,000.00	10,000.00	-
47	A K Srivastava AE(M) Imprest	-	5,000.00	-	5,000.00
48	Paulson Samuel Imprest	-	10,000.00	-	10,000.00
49	A K Sachan Imprest	-	10,000.00	-	10,000.00
50	A K Srivastava Imprest Ae(E)	-	10,000.00	-	10,000.00
51	Anil Kumar Imprest	-	15,000.00	-	15,000.00
52	Anuj Jain Imprest	-	10,000.00	-	10,000.00
53	Asim Mukerjee Imprest	-	13,000.00	-	13,000.00
54	Dinesh Chandra Imprest	-	2,000.00	-	2,000.00
55	Gautam Ghosh Imprest	-	15,000.00	-	15,000.00
56	Geetika Imprest	-	10,000.00	-	10,000.00
57	G.P. Sahu Imprest	-	20,000.00	20,000.00	-
58	Har Nath Kar Imprest	-	10,000.00	-	10,000.00
59	K N Singh Imprest	-	5,000.00	-	5,000.00
60	M D Singh Imprest	-	15,000.00	-	15,000.00
61	Neeraj Tyagi Imprest	-	10,000.00	-	10,000.00
62	Niroj Banerjee Imprest	-	5,000.00	-	5,000.00
63	Piyali Ghosh Imprest	-	13,000.00	-	13,000.00

S.I.N o.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
64	Rajeev Srivastava Imprest	-	15,000.00	-	15,000.00
65	Rama Shankar Imprest	-	10,000.00	-	10,000.00
66	Ramesh Pandey Imprest	-	10,000.00	-	10,000.00
67	R C Vaisya Imprest	-	16,530.00	6,530.00	10,000.00
68	Ritesh Kumar Sahu Imprest	-	15,000.00	-	15,000.00
69	R K Singh Imprest	-	16,343.00	11,343.00	5,000.00
70	R K Srivastava Imprest	-	17,344.00	7,344.00	10,000.00
71	R K Tripathi Imprest	-	10,000.00	-	10,000.00
72	R.M. Singh Imprest	-	13,000.00	-	13,000.00
73	R.P. Singh Imprest	-	10,000.00	10,000.00	-
74	Siraj Alam Imprest	-	20,000.00	-	20,000.00
75	S K Duggal Imprest	-	5,000.00	-	5,000.00
76	S.N Pandey Imprest	-	10,000.00	-	10,000.00
Total		341,000.00	776,607.00	481,857.00	635,750.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET

ANNEXURE F-3 OF SCH 10

LOANS, ADVANCES AND DEPOSITS

F -(iii) - Advance for Fixed Assets & Revenue Expenses

Sl. No	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Anjali Electronics, AIIld	8,100.00	-	-	8,100.00
2	Bombay Machinery, Allahabad	14,490.00	-	-	14,490.00
3	Comcare Enterprises, Allahabad	147,022.00	-	-	147,022.00
4	Chemico Instruments P. Ltd. ND	7,000.00	-	-	7,000.00
5	Carrier Air con Ltd., Daman	43,346.00	-	-	43,346.00
6	Elite Furniture, Allahabad	423,162.00	-	-	423,162.00
7	EDS Technologies, Banglore	110,000.00	-	-	110,000.00
8	Autometer Alliance Ltd., Noida	68,360.00	-	-	68,360.00
9	Total Presentation Devices (P) Ltd. , ND	168,000.00	-	-	168,000.00
10	Richa Medical Agencies, AIIld	(21.00)	-	-	(21.00)
11	Point Stationery, AIIld	13,189.00	-	-	13,189.00
12	Indian Institute of Foreign Trade, Delhi	14,935.00	-	-	14,935.00
13	Indian Oil Corporation, Allahabad	10,962.00	-	-	10,962.00
14	Jamuna Marketing P. Ltd.	187,034.00	-	-	187,034.00
15	Lab India Instrument, Thane	11,703.00	-	-	11,703.00
16	Lalji Enterprises, Allahabad	5,000.00	-	-	5,000.00
17	Scientech Technologies Pvt. Ltd. , ND	9,208.00	-	-	9,208.00
18	Bhargava Engg. Works Ltd.	60,800.00	-	-	60,800.00
19	HCL Infosystems Ltd., Pondicherry	460,634.00	-	-	460,634.00
20	Tritech Enterprises, Allahabad	87,903.00	-	-	87,903.00
21	Matra Distributor, Kanpur	6,615.00	-	-	6,615.00
22	Minimax Electronics, Bangalore	13,208.00	-	-	13,208.00
23	Mack Electrical & Equipment, Nasik	65,350.00	-	-	65,350.00
24	Pericom Systems, AIIld	175,620.00	-	-	175,620.00
25	Ranial Graphics, AIIld	92,388.00	-	-	92,388.00
26	Sharada Enterprises, Allahabad	303,290.00	-	-	303,290.00
27	Shivam Paints, Allahabad	35,696.00	-	-	35,696.00
28	Surgico Medicare Agency, AIIld	6,250.00	-	-	6,250.00

Sl. No	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
29	Prayag Electric Co., Allid	5,625.00	-	-	5,625.00
30	Quartz Marketing Systems, Knp	108,061.00	-	-	108,061.00
31	Project Officer Neda, Allid	135,143.00	-	-	135,143.00
32	S.R.K. Systems, Allid	5,600.00	-	-	5,600.00
33	Jay Pee Cement, Allid	34,500.00	-	-	34,500.00
34	Sahani Refrigeration, Allahabad	78,690.00	-	-	78,690.00
35	Shaan Traders, Allid	129,736.00	-	-	129,736.00
36	Tele Links, Allid	7,065.00	-	-	7,065.00
37	Bhushan & Bhushan , Delhi	125,928.00	-	-	125,928.00
38	Peco Cooling Towers, New Delhi	213,390.00	-	-	213,390.00
39	Batra Electronic Cottage, Allid	23,490.00	-	-	23,490.00
40	Gaur Electricals, Allid	68,580.00	-	-	68,580.00
41	S.N. Aqua Systems, Delhi	69,360.00	-	-	69,360.00
42	Hydraulic Engg.Instrument, Delhi	280,155.00	-	-	280,155.00
43	Prism Cement, Allid	147,400.00	-	-	147,400.00
44	Volta Ltd., Lucknow	534,232.00	-	-	534,232.00
45	Rites Ltd., Gurgaon	40,781,306.00	2,035,111.00	31,181,607.00	11,634,810.00
46	Rai & Co. Allid	120,697.00	-	-	120,697.00
47	Versatile Constructions, Allahabad	2,422,000.00	-	-	2,422,000.00
48	Tata Motors Ltd, New Delhi	22,112,506.00	-	-	22,112,506.00
49	F.A. & CAO N Rly, New Delhi	-	90,700.00	90,700.00	-
50	Agarwal electric decorators	(18,844.00)	-	-	(18,844.00)
51	M/S Bhargav Tyres	-	151,477.00	151,477.00	-
52	B.J. Artision & Decorator	-	786,921.00	786,921.00	-
53	Sharda Caterers	-	-	-	-
Grand Total		69,933,864.00	3,064,209.00	32,210,705.00	40,787,368.00

**MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**

SCHEDULE 11 – ACADEMIC RECEIPTS

<u>PARTICULARS</u>	CURRENT YEAR	PREVIOUS YEAR	(Amount-Rs)
FEE FROM STUDENTS			
<u>A. Academic</u>			
<u>Tuition Fees:</u>			
Tuition Fees B.Tech	112,230,000.00	114,482,864.00	
Tuition Fees MBA	3,492,000.00	4,717,283.00	
Tuition Fees MCA	3,060,000.00	4,235,737.00	
Tuition Fees M.Tech	30,625,000.00	27,257,793.00	
Tuition Fees Ph.D	833,000.00	371,000.00	
Tuition Fees M.Sc.	247,250.00	264,815.00	
Tuition Fees MSW	193,500.00	241,000.00	
<u>Admission fee:</u>			
Admission Fees M.Tech	205,700.00	857,300.00	
Admission Fees MBA	48,800.00	36,900.00	
Admission Fees MCA	59,100.00	52,000.00	
Admission Fees PhD	14,800.00	1,045,900.00	
Admission/Registration Fees B.Tech	737,500.00	789,200.00	
Day Fees B.Tech	1,101,800.00	1,024,525.00	
Day Fees M.Tech	360,825.00	297,600.00	
Day Fees MBA	64,400.00	63,350.00	
Day Fees MCA	103,425.00	89,775.00	
Day Fees Ph.D	130,550.00	1,350.00	
<u>Enrolment Fee</u>	180,000.00	164,925.00	
<u>Library Admission fee</u>	3,177,516.00	2,448,433.00	
<u>Laboratory fee:</u>			
Lab Fees B.Tech	2,045,750.00	1,680,500.00	
Lab Fees M.Tech	510,750.00	419,000.00	
Lab Fees MBA	92,000.00	93,500.00	

Lab Fees MCA	152,750.00	151,750.00
Lab Fees Ph.D	223,500.00	2,250.00
<u>Other Fees</u>	38,587,732.00	-
<u>Art & Craft fee</u>	-	-
<u>Registration fee</u>	-	-
<u>Seminar registration fees</u>	-	11,100.00
<u>Syllabus fee</u>	93,300.00	459,100.00
Total (A)	198,570,948.00	161,258,950.00
B. Examinations		
<u>Admission test fee</u>	-	-
<u>Annual Examination fee</u>	15,794,973.62	14,480,268.00
<u>Mark sheet, certificate fee</u>	-	-
Total (B)	15,794,973.62	14,480,268.00
C. Other fees		
<u>Identity card fee</u>	153,587.00	141,950.00
<u>Fine/Miscellaneous fee</u>	-	-
<u>Medical fee</u>	2,813,562.00	2,253,254.00
<u>Transportation fee:</u>		
Bus Charges from Student	271,058.00	-
Private Use of Vehicle	968,300.00	1,106,566.00
<u>Hostel fee</u>		
<u>Development Fees</u>	1,104,200.00	1,500,250.00
<u>Magazine Fees</u>	553,400.00	549,525.00
<u>Placement Charges</u>	2,201,690.00	1,694,446.00
<u>Student Welfare Fees</u>	113,030.00	536,800.00
<u>Registration Fee M. Tech.(Partime)</u>	-	-
<u>Tuition Fee M. Tech. (Part time)</u>	5,796,000.00	
Total (C)	13,974,827.00	7,782,791.00
D. Sale of publications		
Sale of syllabus and Question Paper, etc.	-	-
Sale of prospectus including admission forms	-	-
Total (D)	-	-
GRAND TOTAL (A+B+C+D)	228,340,748.62	183,522,009.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 12- GRANTS & DONATIONS

	CURRENT YEAR		PREVIOUS YEAR		(Amount-Rs)
(Irrevocable Grants & Subsidies Received)					
1) Central Government					
<u>Non-Plan</u>					
Grant-in-aid released during the year Add:	390,000,000.00		590,000,000.00		
Unutilised balance of Grants as on 01.04.2013	214,717,959.00		22,529,750.00		
	604,717,959.00		612,529,750.00		
Less: Unutilised balance of Grants as on 31.03.2014	142,442,123.00	462,275,836.00	214,717,959.00		397,811,791.00
<u>Plan</u>					
Grant-in-aid released during the year Add:	242,500,000.00		50,000,000.00		
Unutilised balance of Grants as on 01.04.2013	95,538,816.00		444,988,510.00		
	338,038,816.00		494,988,510.00		
Add: Excess Utilised balance of Grants as on 31.03.2014	204,383,554.57	542,422,370.57	95,538,816.00		399,449,694.00
Sub Total		1,004,698,206.57			797,261,485.00
Less: Amount utilised for capital Expenditure from Grant		334,658,765.48			210,399,265.74
Net Amount utilised for Revenue Expenditure		670,039,441.09			586,862,219.26
2) State Government(s)		-			-
3) Government Agencies		-			-
4) Institutions/ Welfare Bodies		-			-
5) International Organizations		-			-
6) Others (Specify)		-			-
<u>Apportioned amount of Grants/Fund towards Depreciation</u>					
From Deferred Government Grants	93,685,188.00		103,194,272.00		
From Capital Fund	22,211,964.00	115,897,152.00	25,616,034.00		128,810,306.00
		785,936,593.09			715,672,525.26
<u>TOTAL</u>					

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 13- INCOME FROM INVESTMENTS

(Amount-Rs)

Income from Earmarked/Endowment Funds	CURRENT YEAR	PREVIOUS YEAR
1) <u>Interest</u>		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2) <u>Income Received</u>		
a) Each Fund separately	-	-
3) Income accrued		
a) Each Fund separately (Refer Schedule 3)	5,815,601.00	-
4) <u>Others (Specify)</u>	-	-
TOTAL	5,815,601.00	-
TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS	5,815,601.00	

Income Others	CURRENT YEAR	PREVIOUS YEAR
1) <u>Interest</u>		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2) <u>Income Received</u>		
a) Each Fund separately	-	-
3) Income accrued		
a) Each Fund separately	-	-
4) <u>Others (Specify)</u>	-	-
TOTAL		

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 14- OTHER INCOME

PARTICULARS	CURRENT YEAR	PREVIOUS YEAR
A. Income from Land & Building		
<u>1. Hostel Room Rent</u>		
Hostel Fan Charges	1,683,750.00	1,438,250.00
Hostel Replacement Charges	1,074,631.00	1,042,700.00
Hostel Room Rent	4,281,295.00	3,169,400.00
Hostel Utensils	1,009,700.00	981,300.00
Shop/Canteen Rent Charges	132,731.00	124,334.00
Rent from Staff Quarter	2,150,251.00	1,477,238.00
Guest House Receipts	-	-
<u>2. License fee</u>		
<u>3. Hire Charges of Auditorium/Play ground/Convention Centre, etc</u>		
<u>4. Electricity & water charges</u>		
Hostel Electricity Charges	8,497,914.00	6,308,130.00
Shop/Canteen Electric Charges	59,001.00	6,487.00
Water/Electricity Charges from Contractor	399,033.00	169,132.00
Water Charges Staff Quarter	10,868.00	9,735.00
Electricity Charges- Staff Quarter	999,297.00	1,189,242.00
Total	20,298,471.00	15,915,948.00
B. Sale of Institute's publications	-	-
C. Income from holding events	-	-

(Amount-Rs)

1. Gross Receipts from annual function/ sports carnival		-	-
Less: Direct expenditure incurred on the annual function/ sports carnival			
2. Gross Receipts from fetes		-	-
Less: Direct expenditure incurred on the fetes			
3. Gross Receipts for educational tours		-	-
Less: Direct expenditure incurred on the tours			
4. Others (to be specified and separately disclosed)		-	-
Total			
D. Interest on Term Deposits:			
a) With Scheduled Banks	18,320,958.00	30,593,183.00	
b) With Non-Scheduled Banks	-	-	
c) With Institutions	-	-	
d) Others- Rites, Gurgaon	2,035,111.00	9,683,178.00	
Total	20,356,069.00	40,276,361.00	
E. Interest on Savings Accounts:			
a) With Scheduled Banks	10,180,963.62	10,903,972.00	
b) With Non-Scheduled Banks	-	-	
c) With Institutions	-	-	
d) Others	-	-	
Total	10,180,963.62	10,903,972.00	
F. Interest On Loans:			
a) Employees/ Staff			
b) Others			
Total			

G. Interest on Debtors and Other Receivables			
H. Others			
1. Income from consultancy	-		-
2. RTI fees	-		-
3. Income from Royalty	-		-
4. Sale of application form (recruitment)	-		-
5. Misc. receipts (Sale of tender form, waste paper, etc.)	-		-
6. Profit on Sale/disposal of Assets:			
a) Owned assets	-		-
b) Assets acquired out of grants, or received free of cost	-		-
Computer hiring charges	-		66,180.00
Computer Stationery Charges	298,168.00		2,629,210.00
E-Mail Charges	4,859,250.00		3,424,926.00
NRI Fees	59,460,934.80		27,435,713.65
Recreation Fees	5,228,800.00		2,883,727.00
Student study tour	276,000.00		176,500.00
Student activity fees	98,400.00		33,800.00
Reference material	920,000.00		585,000.00
Registration Fee MSW	-		64,500.00
Summer Semester/Winter Semester Fees	-		689,000.00
Verification of Degree/Migration/Marksheet	287,420.00		266,700.00
Visiting Guest & Faculty - MBA	-		879,300.00
Alumni Fees	490,200.00		94,300.00
Institute - Scholarship	6,000.00		
Application Fees for Appointment	1,393,500.00		9,500.00
Lease rent Received	-		6,000.00
Discount Received	3,200.00		9,551.00
Library Misc. Receipt	-		106,928.14
M.Tech/Ph.D./M.Sc. Admission Form	-		772,125.00
Miscellaneous Receipts Institute	900,540.00		219,791.02
NIMCET	139,000.00		-

Sale of Tender Form		795,000.00	208,400.00
Executive development Centre		-	525,069.00
Student Activity Centre		40,665.00	-
Student Welfare Fund-Income		464,100.00	-
Leave salary - Teaching		-	406,113.00
Other Organisation Income		-	582,853.00
Penalty		10,000.00	-
Salary Recoverd in Lieu of Notice Period		376,481.00	-
Total		76,047,658.80	42,075,186.81
	GRAND TOTAL (A+B+C+D+E+F+G+H)	126,883,162.42	109,171,467.81

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE G OF SCH 15

(Amount-Rs)

SCHEDULE 15 – STAFF PAYMENTS & BENEFITS

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>	<u>PREVIOUS YEAR</u>
a) <u>Salaries and Wages (Refer Annexure G (1))</u>	214,445,611.00	190,511,955.00
b) <u>Allowances and Bonus (Refer Annexure G (2))</u>	175,314,372.00	124,998,012.10
c) <u>Contribution to Provident Fund</u>	222,141.00	285,206.00
d) <u>Contribution to Other Fund (specify)</u>		
Pension Contribution	226,859.00	124,764.00
New Pension Scheme	7,990,949.00	5,215,152.00
e) <u>Staff Welfare Expenses</u>	-	-
f) <u>Retirement and Terminal Benefits (Refer Annexure G (3))</u>		
LTC facility	96,991,156.00	75,304,587.00
Medical facility	3,111,424.00	1,731,241.00
Children Education Allowance	-	-
j) <u>Honorarium</u>	2,484,530.00	2,989,777.00
k) <u>TA/DA expenses</u>	-	-
l) <u>Others (specify)</u>	-	-
TOTAL	500,787,042.00	401,160,694.10

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD SCHEDULE
FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE G OF SCH 15

STAFF PAYMENTS & BENEFITS

G(1). SALARIES AND WAGES

Particulars	Expenditure for		Journal Entry Adjustment		Current Year 2013-14	Previous Year 2012-13
	the year ended on 31/03/2014	the year ended on 31/03/2014	Provision as on 01/04/2013	Provision as on 31/03/2014		
Pay Direction & Teaching	99,699,016.00	8,188,454.00	8,179,200.00	8,179,200.00	99,689,762.00	90,377,851.00
Pay Administrative Officer	3,521,786.00	283,205.00	289,570.00	289,570.00	3,528,151.00	3,691,808.00
Pay Other Staff	33,455,381.00	2,910,070.00	2,757,160.00	2,757,160.00	33,302,471.00	34,476,190.00
Pay Contractual Staff	59,898,355.00	5,092,678.00	3,942,848.00	3,942,848.00	58,748,525.00	46,105,535.00
Arrear Teaching & Non Teaching	11,243,073.00	-	-	-	11,243,073.00	6,072,490.00
Payment to visiting faculty	7,933,629.00	-	-	-	7,933,629.00	9,788,081.00
TOTAL	215,751,240.00	16,474,407.00	15,168,778.00	15,168,778.00	214,445,611.00	190,511,955.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE G OF SCH 15

STAFF PAYMENTS & BENEFITS

G(2). ALLOWANCES AND BONUS

Particulars	Expenditure for the year ended on 31/03/2014	Journal Entry Adjustment		Current Year 2013-14	Previous Year 2012-13
		Provision as on 01/04/2013	Provision as on 31/03/2014		
		(Amount in Rs.)			
Teaching Staff:					
Dearness Allowance	87,595,037.00	5,894,207.00	9,815,040.00	91,515,870.00	64,292,826.00
HRA	3,833,980.00	291,045.00	273,800.00	3,816,735.00	3,797,686.00
Transport Allowances	8,910,116.00	691,440.00	848,000.00	9,066,676.00	6,995,890.00
Administrative Officer:					
Dearness Allowance	3,146,166.00	203,910.00	347,484.00	3,289,740.00	2,662,906.00
HRA	191,650.00	15,134.00	16,706.00	193,222.00	179,583.00
Transport Allowances	380,200.00	25,800.00	37,400.00	391,800.00	347,177.00
Other Staff					
Dearness Allowance	29,398,652.00	2,064,353.00	3,308,592.00	30,642,891.00	246,196,58.00
HRA	3,673,513.00	301,788.00	294,870.00	3,666,595.00	383,785.10
Transport Allowances	4,523,532.00	354,750.00	435,600.00	4,604,382.00	4,327,225.00
Washing Allowance	91,322.00	4,800.00	7,380.00	93,902.00	89,249.00
OTHER ALLOWANCES					
Bonus	739,156.00	-	-	739,156.00	787,612.00
Special Allowance	830,454.00	72,805.00	66,680.00	824,329.00	72,805.00
Cash Handling Allowance	1,800.00	150.00	150.00	1,800.00	150.00
Cummulative Professional					
Development Allowance	7,523,972.00	-	-	7,523,972.00	5,272,743.00
Family Planning Incentive	250,774.00	22,150.00	19,620.00	248,244.00	306,743.00
Inspire Faculty Award	320,000.00			320,000.00	90,323.00
Earned Leave Encashment on LTC	1,441,562.00	15,731.00	63,500.00	1,489,331.00	1,160,942.00
Leave encashment on Retirement	16,583,143.00	256,630.00	-	16,326,513.00	5,901,579.00
Deans Honorarium	273,000.00	21,000.00	24,500.00	276,500.00	21,000.00
Incentive Of Higher Education	-	-	-	-	20,000.00
T.A. on Retirement	282,714.00	-	-	282,714.00	214,065.00
TOTAL	169,990,743.00	10,235,693.00	15,559,322.00	175,314,372.00	124,998,012.10

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE G OF SCH 15

STAFF PAYMENTS & BENEFITS
G(3). RETIREMENT AND TERMINAL BENEFITS

Particulars	Expenditure for the year ended on 31/03/2014	Journal Entry		Current Year 2013-14	Previous Year 2012-13
		Provision as on 01/04/2013	Provision as on 31/03/2014		
Leave Salary	99,000.00	-	-	99,000.00	99,000.00
Commutted Value of Pension	8,766,046.00	293,411.00	-	8,472,635.00	5,402,079.00
Gratuity	16,685,676.00	423,440.00	-	16,262,236.00	8,277,566.00
Medical Allowance (Pensioner)	1,297,037.00	107,100.00	107,187.00	1,297,124.00	1,279,800.00
Pension Pay	33,002,298.00	2,661,913.00	2,829,903.00	33,170,288.00	31,012,416.00
Pension Relief	32,596,427.00	2,255,816.00	3,060,005.00	33,400,616.00	25,525,498.00
ARREARS					
Pay Revision - Pension	4,550,639.00	261,382.00	-	4,289,257.00	3,708,228.00
TOTAL	96,997,123.00	6,003,062.00	5,997,095.00	96,991,156.00	75,304,587.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGYALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 16 – ACADEMIC EXPENSES

(Amount-Rs)

<u>PARTICULARS</u>	CURRENT YEAR	PREVIOUS YEAR
a) Laboratory expenses	-	-
b) Field work/Participation	-	-
c) Seminar/Workshop	-	-
d) Payment to visiting faculty	-	-
e) Examination	-	-
f) Student Welfare expenses	-	-
g) Admission expenses		
MBA Admission	376,234.00	243,814.00
h) Convocation expenses		
Convocation expenses	1,805,820.00	1,869,959.32
Convocation and Institute Day Celebration	786,921.00	-
i) Publications	-	-
j) Stipend/means-cum-merit scholarship		
Stipend P.G.	60,138,182.47	52,927,643.00
Stipend Ph.D	21,594,779.00	22,925,708.00
Scholarship	-	648,000.00
k) Subscription Expenses	-	-
Annual Subscription of Teacher Association	69,500.00	-
l) Others (specify)		
Cost of Books & Teaching Material	1,436.00	4,327.00
Preparation of Identity Card	112,760.00	87,071.00
Refund of Excess Fees	405,402.00	2,100,827.00
Student Welfare Fund - Expenses	-	107,737.00
Student Club/Student Activity Centre	4,982,589.00	3,715,023.00
Registration Fees	200,000.00	-
Library TLB	224,483.00	-
Campus Interview	890,169.00	-
OBC Recurring Grant - Revenue Expenses	-	7,550.00
TOTAL	91,588,275.47	84,637,659.32

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD
SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 17 – ADMINISTRATIVE AND GENERAL EXPENSES

<u>PARTICULARS</u>	CURRENT YEAR	PREVIOUS YEAR	(Amount-Rs)
a) Electricity and power			
Colony	3,265,312.00		5,258,718.00
Hostel	22,520,000.00		18,351,517.00
Institute	47,910,869.00		30,288,943.00
b) Water charges	2,963,998.00		2,963,998.50
c) Insurance	-		-
d) Rent, Rates and Taxes (including property tax)	2,608,318.00		2,610,483.00
e) Postage & telegram	72,047.00		41,857.00
f) Telephone and Internet Charges			
Telephone Expenses	1,153,294.00		786,717.00
Rental Charges of Internet Bandwidth (Internet Charges)	8,168,240.00		1,125,599.00
g) Printing and Stationary	894,446.00		748,480.00
h) Traveling and Conveyance Expenses	1,337,726.00		2,136,342.00
i) Expenses on Seminar/Workshops			
B.O.G & Meetings	601,032.00		805,609.00
Seminar & Conference	-		677,241.00
j) Hospitality	20,521.00		68,497.00
k) Auditors Remuneration			
Audit Fees AGUP	-		536,100.00
Chartered Accountant Fees	109,552.00		250,000.00
l) Professional Charges			
m) Advertisement and Publicity			
Advertisement UG	7,607,594.00		3,721,023.00
Advertisement PG	2,824,938.00		-

n) Magazines & Journals			
Library & E-Journals	54,996,951.10		-
Library & E-Journals-Prior Period	945,540.25		-
Magazine Charges	159,490.00		-
o) Others (specify)			
Legal Expenses	400,930.00		285,450.00
Library Newspaper & Magazine	19,430.00		17,408.00
Library Operating Cost	175,879.00		302,148.00
Liveries to Staff	130,895.00		135,510.00
World Environment Day 2012 Expenses	-		49,847.00
ME/Ph.D/M.Sc. Admission Form	-		200,000.00
Utensil Charges - Revenue	244,391.00		501,380.00
Miscellaneous Contingencies	1,999,050.00		802,662.00
Misc. Expenses	427,511.00		310,570.39
Recreation Club Teaching & Non Teaching	50,000.00		125,000.00
Research Grant	15,540.00		40,823.00
Security Charges	30,158,750.00		27,767,988.00
Anti Ragging Squad	405,787.00		472,363.00
Development Charges	491,465.00		-
Training for Faculty Staff	637,187.00		24,158.00
Executive Development Centre	318,941.00		395,630.00
Medical Reimbursement	3,997,323.00		3,139,892.00
Medicine including Doctors visit Fees	2,353,480.00		4,261,997.00
Other Misc Expenditure	652.00		-
NBHM Travel Grant	175,191.00		-
Science City Salary	20,700.00		-
III Cell Maintenance	3,950.00		1,184.00
NIT Guest House, Delhi Maintenance	-		150,000.00
p) Purchase/Consumables (As per Annexure H)	8,379,403.00		7,500,798.00
<u>TOTAL</u>	208,566,323.35		116,855,932.89

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE H OF SCH 17
DOC/CONSUMABLES/ACADEMIC DEPARTMENTS AND CENTERS

Particulars	Current Year 2013-14	Previous Year 2012-13
(Amount in Rs.)		
Purchases - Consumables-(U.G.)		
Applied Mechanics Department	310,754.00	645,244.00
Biotech Department	475,205.00	-
Chemistry Department	272,838.00	234,874.50
Civil Engineering Department	478,403.00	423,653.50
Computer Science Department	1,121,953.00	482,559.00
Electronics and Communication Engg Deptt	395,853.00	223,375.00
Electrical Engineering Department	470,066.00	307,374.00
GIS Cell	155,900.00	-
Humanities Department	174,648.00	149,995.00
Computer Centre	46,252.00	168,799.00
Maths Department	232,162.00	180,780.00
Mechanical Engineering Department	1,227,237.00	1,057,400.00
SMS/MBA Operating Cost	931,846.00	495,126.00
Physics Department	158,802.00	179,647.00
Training & Placement	250,000.00	762,827.00
Workshop - Mechanical Department	25,000.00	-
Chemical - Engineering Department	302,640.00	90,914.00
Centre for Interdisciplinary Research	103,862.00	-
Raw Material Lab Fee	47,470.00	-
Purchases - Consumables-(P.G.)		
Applied Mechanics Department	36,960.00	112,403.00
Biotech Department	80,037.00	256,263.00
Civil Engineering Department	390,547.00	65,963.00
MCA- Contingency	92,453.00	236,298.00
Electronics and Communication Engg Deptt	275,522.00	128,043.00
Electrical Engineering Department	191,333.00	-
GIS Cell	131,660.00	93,943.00
Mechanical Engineering Department	-	84,413.00
PG Operating Cost	-	1,120,904.00
TOTAL	8,379,403.00	7,500,798.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 18 – TRANSPORTATION EXPENSES

(Amount-Rs)

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>	<u>PREVIOUS YEAR</u>
1. Vehicles (owned by educational institution)		
a) Running expenses	-	-
b) Repairs & maintenance	1,421,821.00	1,117,234.00
c) Insurance expenses	-	-
2. Vehicles taken on rent/lease		
a) Rent/lease expenses	-	-
TOTAL	1,421,821.00	1,117,234.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 19 – REPAIRS & MAINTENANCE

(Amount-Rs)

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>	<u>PREVIOUS YEAR</u>
a) Building		
Renovation of Building Structure	42,725,410.52	19,304,949.95
M/R Institute Building and Road	-	-
b) Furniture & Fixture		
Maintenance of Furniture	688,147.00	-
c) Plant & Machinery		
	-	-
d) Office Equipments		
Maintenance of Computer & Equipment	2,989,390.00	8,404,760.00
General Utility Equipment	4,968,277.00	15,328,426.81
e) Cleaning material & services		
	-	-
f) Others (specify)		
Renovation of Electric System & Facilities	1,297,765.00	5,468,494.00
Maintenance Lawns & Gardens	166,664.00	174,194.00
Landscaping and gardening	278,750.00	101,209.00
TOTAL	53,114,403.52	48,782,033.76

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 20 – FINANCE COSTS

(Amount-Rs)

	CURRENT YEAR	PREVIOUS YEAR

a) Interest on Fixed loans	-	-
b) Interest on other loans	-	-
c) Bank Charges	-	-
d) Others (Specify)	-	-
<u>TOTAL</u>		

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 21 – OTHER
EXPENSES

(Amount-Rs)

<u>PARTICULARS</u>	<u>CURRENT YEAR</u>	<u>PREVIOUS YEAR</u>
a) Provision for Bad and Doubtful Debts/Advances	-	-
b) Irrecoverable Balances Written-off	-	-
c) Others (specify)	-	-
TOTAL		

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD
SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE YEAR 2013-2014

SCHEDULE 22 - SIGNIFICANT ACCOUNTING POLICIES & NOTES TO ACCOUNTS

ACCOUNTING CONVENTIONS:

The financial statements are prepared on the basis of historical conventions, unless and otherwise stated and on accrual basis of accounting, except receipt of fees from students which is accounted for on cash basis.

FIXED ASSETS:

Fixed assets are included at cost of acquisition inclusive of inward freight, duties and taxes, incidental and direct expenses related to the acquisition. In respect of projects involving construction, related pre operative expenses form part of the value of assets capitalised.

Fixed assets received by way of non - monetary grants (other than towards the corpus) are capitalised at value stated, by corresponding credit to capital reserve/fund.

Fixed assets acquired by Institute /Project/ Subsidiaries Fund are capitalised and disclosed separately.

DEPRECIATION:

Depreciation on fixed assets has been charged at the rates of depreciation prescribed under the Companies Act on WDV method, however for Computer & Peripherals and Library Books rates of depreciation has been taken at 60% on WDV , for Buildings at 5% and for Furniture & Fixtures rate has been taken at 18.10% as prescribed for general furniture & fixtures under Companies Act 1956.

Depreciation on fixed assets has been charged to income and expenditure account by corresponding credit to income & expenditure statement from capital fund (for assets created before 01.04.2006) and from deferred income (for assets created w.e.f. 01.04.2006).

GOVERNMENT GRANTS/ SUBSIDIES:

Government Grants relating to depreciable fixed assets has been taken to deferred government grants account from the year 2006-07 to be recognised in the income and expenditure statement on a systematic and rational basis over the useful life of the asset.

Government grants received towards fixed assets are treated as Deferred Government Grants, to the extent fixed assets have been acquired.

Government grants and subsidies are accounted on receipt basis and/or where there is a reasonable assurance that the grant will be received.

Government grants not utilised during the year is shown as unspent balance of funds under current liabilities to be returned / adjusted in the corresponding next year grants to be received.

Government grants excess utilised during the year has been shown as current assets with corresponding credit to income & expenditure account, to be recoverable / adjusted from the corresponding next year grant to be received.

RETIREMENT BENEFITS:

Gratuity payable on death / retirement of employees is not based on actuarial valuation.

CURRENT ASSETS, LOANS AND ADVANCES:

In the opinion of management the current assets, loans and advances have a value on realisation in the ordinary course of business, equal at least to the aggregate amount shown in the balance sheet.

TAXATION:

Institute being autonomous body exempt from income tax hence no provision for income tax has been made.

Corresponding figure of the previous year have been rearranged/ regrouped wherever necessary. Figures in brackets () represents (-) negative figures.

NOTES TO ACCOUNTS:

Financial Statements for the year 2013-2014 is prepared on the basis of New Format of Accounts as provided by MHRD-GOI. Necessary annexures/ groupings to the schedules has been added in order to give a clear understanding of financial statements. Necessary changes in the schedules / groupings as compared to previous year has been made in order to implement New Format of Accounts

Excess of Income over Expenditure of subsidiaries is being shown separately under the Fund Account of subsidiaries w.e.f year 2006-07. Excess of Income over Expenditure Account of subsidiaries before 2006-07 has been shown under the fund account of institute.

Amount received directly in bank through RTGS/NEFT for which source / head of account could not be ascertained has been transferred to Miscellaneous Receipt Transfer account- Liability

Caution Money received by the Institute has been considered as current liability being repayable on demand

Interest accrued for subsidiaries has been taken to the extent such informations are available with the main institute.

Interest receivable from Treasury of Rs. 1,25,11,172 has been written off during the financial year 2012-2013 as Treasury- UP State Government has finally settled the interest liability and the said amount is not recoverable.

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2014

Previous Year 2012-13	Receipts	(Amount in Rs.) Current Year 2013-14
<u>I. OPENING BALANCE:</u>		
30,952.00		-
<u>Cash in Hand</u>		
<u>Current Account:</u>		
40,797,626.00	State Bank of India - Fees Account	161,074,616.00
91,207,757.00	State Bank of India - Power Jyoti	122,549,975.64
<u>Savings Account & Autosweep:</u>		
-	State Bank of India	-
307,870,004.00	Vijaya Bank	286,128,308.36
<u>In Fixed Deposits with Banks: Institute</u>		
52,930,339.00	Bank of Baroda	53,048,536.00
100,000,000.00	State Bank of India	90,000,000.00
-	Vijaya Bank	-
<u>Caution Money</u>		
1,472,823.00	State Bank of India	1,727,804.00
8,500,000.00	Vijaya Bank	8,500,000.00
<u>Earmarked and Endowment Fund:</u>		
<u>Contributory Provident Fund:</u>		
440,310.00	Contributory Provident Fund (SB)	1,387,012.00
12,316,829.00	Contributory Provident Fund (FDR)	8,844,331.00
<u>General Provident Fund:</u>		
1,007,349.00	General Provident Fund - with Treasury	1,007,349.00
113,460,133.00	General Provident Fund - with Vijaya Bank (FDR)	124,996,556.00
24,014,468.00	General Provident Fund - with Bank of Baroda (FDR)	26,249,816.00
30,978,269.00	General Provident Fund - with Vijaya Bank (SB)	37,708,917.00
3,408,970.00	<u>Corpus Fund (SBI-SB)</u>	3,547,074.00

568,331.00	<u>Development/Renewal Fund (SBI-SB)</u>	591,355.00
568,331.00	<u>Maintenance Fund (SBI-SB)</u>	591,355.00
1,136,458.00	<u>Staff Development Fund (SBI-SB)</u>	1,182,498.00
	<u>New Pension Scheme:</u>	
	Vijaya Bank Saving Account	25,000.00
	Vijaya Bank Autosweep FDR	39,661,803.00
	<u>In Subsidiary Funds:</u>	
704,312.00	<u>Admission Committee</u>	704,312.00
	<u>Alumni Association :</u>	
971,488.00	Savings Account:	3,920,615.50
2,935,449.00	Fixed Deposits	2,969,410.00
11,762,199.00	<u>Dean Academic Affairs</u>	20,491,942.00
	<u>G.K. Agarwal Trust:</u>	
123,645.00	Savings Account:	151,557.00
300,000.00	Fixed Deposits	300,000.00
	<u>Industrial Estate:</u>	
1,713,703.00	Current Account	4,092,534.26
20,800,000.00	Fixed Deposits	20,800,000.00
6,272.00	<u>Kitchen Project</u>	6,272.00
201,099.00	<u>Nodal Centre (NTMIS)</u>	637,723.00
165,339.00	<u>P.D.T.C.</u>	172,037.00
	<u>Project Account</u>	
7,593,753.00	Savings & Auto Sweep Account:	14,539,313.40
14,714,121.00	Fixed Deposits	14,464,408.00
	<u>Research & Consultancy Cell:</u>	
4,313,988.00	Savings Account:	20,090,681.55
110,535,357.00	Fixed Deposits	147,923,569.00
	<u>School of Non Formal Continuing Education :</u>	
5,669,993.00	Current Account	4,221,893.00
9,800,000.00	Fixed Deposits	9,800,000.00
	<u>Sponsored Gold Medal :</u>	
24,050.00	Savings Account:	26,456.00
206,718.00	Fixed Deposits	209,755.00
	<u>Student Welfare Fund:</u>	
6,027,018.00	Savings Account:	6,966,179.00

245,793,066.00

7,446,891.00	Fixed Deposits	7,598,119.00
19,078,931.00	<u>TEQIP II</u>	11,553,159.00
382,362.00	<u>Text Book Lending Bank</u>	413,528.00
		<u>292,053,463.71</u>

II. GRANT RECEIVED:

590,000,000.00	Non Plan (Recurring) Grant	390,000,000.00
50,000,000.00	Plan (Non Recurring) Grant	<u>242,500,000.00</u>
		632,500,000.00

From Other Sources:

3,133,548.00	Grant received from AICTE	-
367,170.00	Board of Apprenticeship Training	-
185,343.00	CSIR Delhi	60,000.00
1,100,000.00	NMEICT Scheme	-
898,504.00	U.G.C. Fellowship	431,008.00
582,853.00	Prior Period Income	<u>-</u>
		491,008.00

III. INCOME ON INVESTMENT FROM EARMARKED/ ENDOWMENT

FUND:

70,196.00	Interest on Contributory Provident Fund	320,078.00
12,187,966.00	Interest on General Provident Fund	<u>2,115,916.00</u>
		2,435,994.00

IV. INTEREST RECEIVED:

Term Deposits:

5,096,387.00	Main Institute	2,109,943.00
6,405,350.00	Decrease in Current Assets	<u>-</u>
		2,109,943.00

Subsidiary Funds:

179,532.00	Alumni Association	154,753.00
22,501.00	G.K. Agarwal Trust	22,200.00
1,030,953.00	Industrial Estate	1,102,119.00
3,016,273.00	N.P.S-Interest on autosweep	3,374,142.00
4,323,828.00	Project Account	3,739,066.00
22,043,218.00	Research & Consultancy Cell	<u>18,017,137.00</u>

CHARTERED ACCOUNTANT

DY. REGISTRAR A/C/S

REGISTRAR

816,125.00	School of Non Formal Continuing Education	756,097.00
2,307.00	Sponsored Gold Medal	10,537.00
1,292,485.00	Student Welfare Fund	1,638,141.00
254,981.00	Caution money	-
		<hr/>
		28,814,192.00

Savings Bank & Autosweep Accounts:

10,903,972.00	Main Institute	
	<u>Subsidiary Funds:</u>	
80,900.00	Alumni Association	105,149.00
756,779.00	Dean Academic Affairs	737,898.00
5,411.00	G.K. Agarwal Trust	6,529.00
1,004.00	N.P.S- Interest on saving bank	5,465.00
30,687.00	Nodal Centre (NTMIS)	15,611.00
6,698.00	P.D.T.C.	6,950.00
667,198.00	Project Account	330,208.38
640,570.00	Research & Consultancy Cell	903,728.00
227,340.00	School of Non Formal Continuing Education	193,251.00
981.00	Sponsored Gold Medal	1,114.00
262,179.00	Student Welfare Fund	186,131.00
792,325.00	TEQIP - II	791,297.00

9,185,253.62

15,630.00 Text Book Lending Bank 16,841.00 3,300,172.38

Other (From Rites Ltd., Gurgaon):

9,175,841.00 Main Institute 2,035,111.00
507,337.00 Main Institute - Prior Period - 2,035,111.00

V. OTHER INCOME:

Main Institute:

3,169,400.00 Hostel Room Rent 4,281,295.00
1,477,238.00 Rent from Staff Quarter 2,150,251.00
114,482,864.00 Tuition Fees B. Tech 112,230,000.00
264,815.00 Tuition Fees M.Sc. 247,250.00
27,257,793.00 Tuition Fees M. Tech 30,625,000.00
986,750.00 Tuition Fees M.Tech. (Part time) 5,796,000.00
4,717,283.00 Tuition Fees MBA 3,492,000.00
4,235,737.00 Tuition Fees MCA 3,060,000.00
241,000.00 Tuition Fees MSW 193,500.00
371,000.00 Tuition Fees Ph.D 833,000.00 162,908,296.00

User Receipts:-

789,200.00 Admission/Registration Fees B.Tech 737,500.00
857,300.00 Admission/Registration Fees M. Tech 205,700.00
52,000.00 Admission/Registration Fees MCA 59,100.00
1,045,900.00 Admission/Registration Fees Ph.D 14,800.00
9,500.00 Application Fees for Appointment 1,393,500.00
94,300.00 Alumni Fees 490,200.00
- Bus Charges from Student 271,058.00
2,629,210.00 Computer Stationery Charges 456,175.00
1,024,525.00 Day Fees B. Tech 1,101,800.00

297,600.00	Day Fees M. Tech	360,825.00
89,775.00	Day Fees MCA	103,425.00
1,350.00	Day Fees Ph.D	130,550.00
1,500,250.00	Development Fees	1,104,200.00
1,189,242.00	Electricity Charges- Staff Quarter	999,297.00
3,424,926.00	E-Mail Charges	4,859,250.00
164,925.00	Enrollment Fees	180,000.00
6,308,130.00	Hostel Electricity Charges	8,497,914.00
1,438,250.00	Hostel Fan Charges	1,683,750.00
1,042,700.00	Hostel Replacement Charges	1,074,631.00
981,300.00	Hostel Utensils	1,009,700.00
141,950.00	Identity Card Fees	153,587.00
525,069.00	Income from Guest House/ EDC	186,585.00
1,680,500.00	Lab Fees B. Tech	2,045,750.00
419,000.00	Lab Fees M. Tech	510,750.00
151,750.00	Lab Fees MCA	152,750.00
2,250.00	Lab Fees Ph.D	223,500.00
2,448,433.00	Library Fees	3,177,516.00
106,928.14	Library Misc. Receipt	-
772,125.00	M. Tech/Ph.D/M.Sc. Admission Form	-
549,525.00	Magazine Fees	553,400.00
2,253,254.00	Medical Fees	2,813,562.00
219,791.02	Miscellaneous Receipts Institute	900,540.00
27,435,713.65	NRI Fees	59,460,934.80
-	Other Fees	38,587,732.00
1,694,446.00	Placement Charges	2,225,975.00
1,106,566.00	Private use of Vehicle	968,300.00
2,883,727.00	Recreation Fees	5,228,800.00

208,400.00	Sale of Tender Form	795,000.00
33,800.00	Student Activity Fees	98,400.00
176,500.00	Student Study Tour	276,000.00
536,800.00	Student Welfare Fees	113,030.00
6,000.00	Lease Rent	-
124,334.00	Shop/Canteen Rent	132,731.00
6,487.00	Shop/Canteen Electric	59,001.00
689,000.00	Summer Semester/Winter Semester Fees	-
459,100.00	Syllabus Fees	93,300.00
9,735.00	Water Charges Staff Quarter	10,868.00
-	Institute - Scholarship	6,000.00
-	Penalty Received	10,000.00
-	Salary Recovered in Lieu of Notice Period	376,481.00
169,132.00	Water/Electricity Charges from Contractor	399,033.00
		<u>144,292,900.80</u>

MBA Course:-

36,900.00	Admission/Registration Fees MBA	48,800.00
-	Cost of Books & Teaching Material	3,231.00
63,350.00	Day Fees MBA	64,400.00
93,500.00	Lab Fees MBA	92,000.00
879,300.00	Visiting Guest & Faculty	<u>1,343,200.00</u>
		1,551,631.00

Other Receipts:

79,621,783.00	Advance adjustment to Parties	32,210,705.00
357,700.00	Alumni Association	6,170.00
-	Other Liabilities (Misc. Receipt Transfer)	17,730,543.00
1,553,417.00	Cancelled Cheques	7,655,907.00
3,508,500.00	Caution money	3,517,250.00
781,493.00	CPF	443,192.00
-	C-DAC	116,240.00
-	DST New Delhi	3,896,481.00
66,180.00	Computer Hiring Charges	-
9,551.00	Discount	3,200.00
1,861,571.00	Earnest Money/Security money	5,869,947.00
540,670.00	Employees loan from SBI	512,598.00
14,620,766.00	Examination Fees	15,895,478.62

934,830.00	G.I for Student	1,898,876.36
26,828,368.00	GPF	28,316,404.00
469,297.00	Group Insurance Scheme	738,655.00
121,205.00	Imprest adjustment to Employees	481,857.00
25,328,698.00	Income Tax	34,834,619.00
39,183.00	Khadi	26,691.00
406,113.00	Leave Salary on Lien (Teaching)	-
1,591,513.00	LIC	1,027,244.00
114,821.00	Motorcycle and loan recovery	69,600.00
9,000.00	Recovery of Car Loan	-
327,000.00	House and building recovery	327,000.00
-	World Environment Day	50,000.00
11,100.00	Seminar Registration Fee	-
9,898,033.00	New Pension Scheme - contribution	15,799,576.00
5,240,479.00	Non Exp-Trf of Income RT	-
2,010,818.00	Outside Scholarship	3,314,694.00
585,000.00	Reference Material	920,000.00
9,480.00	Revenue Stamp	9,896.00
1,192,455.00	Sales Tax	4,520,349.00
64,500.00	Registration Fee	-
9,407,236.00	Temporary Advance adjustment to Employees	13,394,624.00
3,004,500.00	Festival Advance	4,189,500.00
266,700.00	Verification of Degree/ Migration/ Marks sheet	287,420.00
-	OIP Stipend & Contingency	6,831,752.00
-	Student Welfare Fund	464,100.00
-	Excess Fees deposited by Students	3,049,212.00
-	LC Debit on account R&C	10,985,060.00
-	Prime Minister Relief Fund	306,938.00
-	Reliance Dairy Food Ltd Stipend	24,600.00
-	ICCCCT Seed	50,000.00
-	TEQUIP II STIPEND	2,001,027.00
-	NIMCET	189,000.00
-	Merit Scholarship	980,000.00
-	Leave Salary Contribution (Deputation)	284,808.00
-	Pension Contribution	265,259.00
		<u>223,496,472.98</u>

719,352,543.00 VI. WIP OF EARLIER YEARS CAPITALISED DURING THE YEAR -

VII. EARMARKED / ENDOWMENT FUNDS:

Contributory Provident Fund:

781,493.00	Subscription & Loan Recovery	443,192.00
	Encashment of TDR	
770,156.00	Decrease in Current Assets	443,192.00

General Provident Fund:

27,886,972.00	Subscription	
4,915,675.00	Decrease in Current Assets	28,625,729.00

Corpus Fund

138,104.00	Revenue Income	143,301.00
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Development/Renewal Fund

23,024.00	Revenue Income	23,891.00
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Maintenance Fund

23,024.00	Revenue Income	23,891.00
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Staff Development Fund

46,040.00	Revenue Income	47,773.00
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New Pension Scheme

26,771,493.00	Loan from MNNIT	
9,898,033.00	Subscription and Loan Recovery	16,727,623.00

Subsidiary Funds (Incomes): Alumni

Association

329,100.00	Life Membership Fund	-
2,183,150.00	YM Fund Swimming Pool Account	500,000.00
-	Advance Adjustment	10,000.00
1,916,061.50	Revenue Income	598,500.00
33,961.00	Decrease in Current Assets	-

<u>Dean Academic Affairs</u>		
Revenue Income	10,566,175.00	89,228.00
Income Tax		204,999.00
Advance Adjustment	372,150.00	381,000.00
<u>Industrial Estate:</u>		
Revenue Income	1,697,358.31	1,975,200.46
Revenue Income- Prior Period	-	1,451,413.92
Received From Debtors	279,145.95	1,026,206.62
Reversal of expenses payable	11,236.00	76,666.00
<u>Nodal Centre (NTMIS):</u>		
Grant Received	22,333.00	-
Advance Adjustment	2,000.00	-
<u>Project Account:</u>		
Advance Adjustment	1,301,803.00	130,066.00
Revenue Income	785,816.00	1,015,295.50
Income Tax	2,938.00	512.00
Project Receipts	56,472,350.90	18,453,441.00
MNNIT	1,620,000.00	6,102,585.00
MNNIT fees	-	834,335.00
Deferred Government Grant	45,433,250.00	4,626,936.00
Payable- Reversal	897,461.00	273.00
<u>Research & Consultancy Cell:</u>		
Loan to MNNIT	45,951.16	11,916,989.00
Revenue Income	5,959,521.00	6,073,014.00
Income Tax	1,507,416.00	3,346,000.00
Service Tax	-	2,277,569.00
Testing & Consultancy (Pending)	20,037,519.00	18,425,035.00
Rec. from Project Account	291,500.00	1,169,073.00
Decrease in Current Assets	3,031,352.00	-
Expenses Payable	156,670.00	1,743.00
Unicef Project	308,505.00	-
CCB (Liability)	18,296,742.39	-
Advance Received	760,973.00	1,826,379.00
<u>School of Non Formal Continuing Education:</u>		
Revenue Income	658,750.00	1,361,469.00
Advance Adjustment	25,000.00	40,000.00
Income Tax	335,098.00	213,132.00

<u>Sponsored Gold Medal:</u>		
2,155.00	Decrease in Current Assets	1,850.00
-	FDR Received	176,637.00
<u>Student Welfare Fund</u>		
163,100.00	Revenue Income	381,414.00
192,869.00	Decrease in Current Assets	239,803.00
-	Advance Adjustment	1,200.00
	<u>TEQIP - II</u>	
-	Grant Received	35,000,000.00
<u>Text Book Lending Bank</u>		
38,729.00	Revenue Income	<u>35,417.00</u>
3,126,424,295.02		2,639,995,525.99
TOTAL RECEIPTS		

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2014

Previous Year 2012-13	PAYMENTS	(Amount in Rs.)
I. STAFF PAYMENT AND BENEFITS:		
(a) Salaries and Wages:		
3,732,003.00	Pay Administrative Officer	3,521,786.00
89,092,279.00	Pay Direction & Teaching	99,699,016.00
34,346,310.00	Pay of Other Staff	33,455,381.00
43,690,687.00	Pay on Contractual Staff	59,898,355.00
9,788,081.00	Visiting Guest & Faculty	9,276,829.00
3,963,963.00	Pay Revision - Teaching	11,243,073.00
		217,094,440.00
(b) Allowances & Bonus:		
Teaching Staff:		
62,373,032.00	Dearness Allowance	87,595,037.00
3,750,129.00	HRA	3,833,980.00
6,772,130.00	Transport Allowances	8,910,116.00
		100,339,133.00
Administrative Officer:		
2,644,783.00	Dearness Allowance	3,146,166.00
178,843.00	HRA	191,650.00
349,817.00	Transport Allowances	380,200.00
		3,718,016.00
Other Staff:		
24,160,408.00	Dearness Allowance	29,398,652.00
3,849,484.10	HRA	3,673,513.00
92,249.00	Washing Allowances	91,322.00
4,297,955.00	Transport Allowances	4,523,532.00
		37,687,019.00
787,612.00	Bonus	739,156.00
2,989,777.00	Children Education Allowance	2,484,530.00
1,145,211.00	Earned Leave Encashment on LTC	1,441,562.00

284,593.00	Family Planning Incentive	250,774.00
20,000.00	Incentive Of Higher Education	-
5,909,449.00	Leave Encashment at the time of Retirement	16,583,143.00
1,731,241.00	LTC	3,111,424.00
3,139,892.00	Medical Reimbursement	3,997,323.00
4,261,997.00	Medicine	2,353,480.00
5,272,743.00	Professional Development Allowance / (CPDA)	7,523,972.00
	Special Allowance	830,454.00
90,323.00	Cash Handling Allowance	1,800.00
	Inspire Faculty Award	320,000.00
	Deans Honorarium	273,000.00
		<hr/>
		39,910,618.00

(c) Salary Arrears:

4,275,970.00	Pay Revision - Non Teaching	-
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(d) Pay Others:

26,832,367.00	Pay Security Charges	29,963,923.00
179,776.00	C.A. Fees	179,776.00
		<hr/>
		30,143,699.00

(e) Contribution to Provident Fund:

291,373.00	Direction & Teaching	221,596.00
4,951,456.00	New Pension Scheme	7,899,788.00
		<hr/>
		8,121,384.00

(f) Expenses on Employees Retirement:

99,000.00	Leave Salary Contribution (Deputation)	99,000.00
124,764.00	Pension Contribution	492,118.00
5,437,871.00	Commuted Value of Pension	8,766,046.00
8,290,551.00	Gratuity	16,685,676.00

1,278,600.00	Medical Allowance (Pensioner)	1,297,037.00
31,349,491.00	Pension Pay	33,002,298.00
25,023,906.00	Pension Relief	32,596,427.00
3,446,846.00	Pension Arrear	4,550,639.00
214,065.00	T.A. on Retirement	282,714.00
		<hr/>
		97,771,955.00

II. ADMINISTRATIVE EXPENSES

Purchases-- Consumables (U.G.):

645,244.00	Applied Mechanics Department	310,754.00
-	Biotech Engineering Department	475,205.00
90,914.00	Chemical Engineering Department	302,640.00
234,874.50	Chemistry Department	272,838.00
423,653.50	Civil Engineering Department	478,403.00
482,559.00	Computer Science Department	1,121,953.00
307,374.00	Electrical Engineering Department	470,066.00
223,375.00	Electronics & Communication Engg. Department	395,853.00
-	GIS Cell	155,900.00
149,995.00	Humanities Department	174,648.00
168,799.00	Computer Centre	46,252.00
180,780.00	Maths Department	232,162.00
1,057,400.00	Mechanical Engineering Department	1,227,237.00
495,126.00	SMS/MBA Operating Cost	931,846.00
179,647.00	Physics Department	158,802.00
762,827.00	Training & Placement	250,000.00
-	Centre for Interdisciplinary Research	103,862.00
-	Workshop (M E D)	25,000.00
		<hr/>
		7,133,421.00

Purchases-- Consumables (P.G.):

112,403.00	Applied Mechanics Department	36,960.00
256,263.00	Biotech Engineering Department	80,037.00
65,963.00	Civil Engineering Department	390,547.00
236,298.00	MCA - Contingency	92,453.00
128,043.00	Electronics & Comm Engineering Department	-
	Electrical Engineering Department	275,522.00
93,943.00	GIS Cell	191,333.00
84,413.00	Mechanical Engineering Department	131,660.00
1,120,904.00	PG Operating Cost	-
		<hr/>
		1,198,512.00

Electricity & Power:

4,798,866.00	Colony	3,488,038.00
16,201,517.00	Hostel	21,670,000.00
26,438,943.00	Institute	45,260,869.00
		<hr/>
		70,418,907.00

1,117,234.00 POL / Maint Rep. Vehicle
41,857.00 Postage

1,421,821.00
72,047.00

407,121.00 Printing & Stationery
2,610,483.00 Rent & Taxes - Hostel & Colony
677,241.00 Seminar & Conference
815,859.00 Telephone
2,136,342.00 Travelling & Conveyance Expenses
2,963,998.50 Water Charges

894,446.00
2,608,318.00
-
1,120,097.00
1,337,726.00
2,963,998.00

Expenses on Fees:

10,418,453.00

165,153.00	Computer Stationery	158,007.00
-	Campus Interview	890,169.00
-	Convocation and Institute Day Celebration	786,921.00
4,327.00	Cost of Books & Teaching Material	4,667.00
-	Development Charges	491,465.00
-	Registration Fees	200,000.00
395,630.00	Guest House Expenses/ EDC	505,526.00
501,380.00	Hostel Utensils	244,391.00
243,814.00	MBA Admission Form	376,234.00
200,000.00	M.Sc. Admission	-
-	Placement Charges	24,285.00
87,071.00	Preparation of Identity Card	112,760.00
225,605.00	Publication of Magazine	159,490.00
-	Raw Material & Consumable of Lab	47,470.00
3,715,023.00	Student Activity Centre	4,941,924.00
107,737.00	Student Welfare Fund	-
894,637.00	Excess Fees refunded to Students	3,356,837.00
		<hr/>
		12,300,146.00

Auditor's Remuneration:

536,100.00	Audit Fees AGUP	-
		<hr/>

3,721,023.00	Advertisement Charges UG	7,607,594.00
	Advertisement Charges PG	2,824,938.00
68,497.00	Hospitality Expenses	<hr/>
	<u>Institute Expenses:</u>	
472,363.00	Anti Ragging Squad	405,787.00
333,952.00	Board of Apprenticeship Training	-
805,609.00	B.O.G. & Other Meetings	601,032.00
1,869,959.32	Convocation	1,805,820.00
		<hr/>
		10,432,532.00
		20,521.00

648,000.00	Institute - Scholarship	720,000.00
285,450.00	Legal Charges	400,930.00
17,408.00	Library Newspaper & Magazine	19,430.00
302,148.00	Library Operating Cost	175,879.00
135,510.00	Liverties to Staff	130,895.00
310,570.39	Misc. Expenses	427,511.00
802,662.00	Misc. Office Contingency	1,999,050.00
125,000.00	Recreation Club Teaching & Non Teaching	50,000.00
24,158.00	Training for Faculty Staff	637,187.00
49,847.00	World Environment Day 2012	-
174,194.00	Maintenance - Lawns & Gardens	166,664.00
-	Library TLB	224,483.00
-	Other Misc Expenditure	652.00
1,125,599.00	Rental Charges of Internet Band Width	8,168,240.00
		15,933,560.00

Plan-(Revenue):

-	Furniture	688,147.00
15,328,426.81	General Utility Equipment	4,968,277.00
1,184.00	III Cell	3,950.00
101,209.00	Landscaping & Gardening	278,750.00
8,404,760.00	Maintenance of Computer & Equipment	2,989,390.00
150,000.00	NIT Guest House, Delhi	-
-	Library & E-Journals	72,117,873.85
19,304,949.95	Library & E-Journals-Prior Period	945,540.25
5,468,494.00	Renovation of Building Structure	42,725,410.52
40,823.00	Renovation of Electric System & Facilities	1,297,765.00
	Research Grant	15,540.00
		126,030,643.62

III. PAYMENTS MADE AGAINST FUNDS FOR VARIOUS PROJECTS:

5,519.00	BIO PROSP - MNINIT 2010	-
43,645.00	C-DAC Project	-
21,254.00	Conference on Economic Crisis Management (Dr. Geetika)	-
323,248.00	CSIR Delhi	436,482.00
421,091.00	Faculty Development Programme	-
214,781.00	Fellowship	-
62,938.00	ICCCT - (Dr. A. K. Misra)	-
20,000.00	QIP Early Faculty Induction Programme	-
227,810.00	QIPPolytechnique	421,995.00
1,202,348.00	QIP Stipend & Contingency	2,194,007.00
58,516.00	Workshop	-
845,844.00	U.G.C.	689,149.00
12,828.00	Workshop on Design of Rural Road (Dr. A. K. Singh)	-
-	Other Liabilities (Misc. Receipt Transfer)	17,079,671.00
-	Prime Minister Relief Fund	306,938.00
-	Reliance Dairy Food Ltd Stipend	24,600.00
-	ICCCT Seed	50,000.00
-	TEQUIP II Stipend	1,069,570.00
-	NMEICT Scheme	582,829.00
		<hr/>
		22,855,241.00

IV. EXPENDITURE ON FIXED ASSETS & STIPEND

Plan Grant-(Central Government)

5,500,370.00	Augmentation of Academic & Infrastructure (WIP)	-
184,942,539.00	Building	60,356,470.48
609,524,660.00	Construction of Mega Hostel & Faculty Residence	31,181,607.00
13,883,642.00	Furniture	8,109,287.00
20,542,717.19	General Utility Equipment	134,074,105.00
15,750.00	Landscaping & Gardening	-

2,508,560.00	Electric Installation	-
7,317,179.00	Equipment Grant	27,523,454.00
39,868,497.15	Plan Grant	-
613,025.00	OBC Recurring Grant	-
20,339,207.90	Renovation of Building Structure	13,273,699.00
126,690.00	Renovation of Electric System & Facilities	7,896,816.00
22,925,708.00	Ph.D Stipend	21,594,779.00
52,927,643.00	P.G. Stipend	60,138,182.47
17,949,605.00	Library Journals & Periodicals	52,243,327.00
		<u>416,391,726.95</u>

Purchase of Fixed Assets - User

-

Purchase of Fixed Assets - Departments (Non Plan)

-

V. OTHER PAYMENTS:

12,151,872.00	Advance to Employees	13,192,432.00
9,830,178.00	Advance to Parties	3,064,209.00
4,032,000.00	Festival Advance	4,040,000.00
-	Annual Subscription of Teacher Association	69,500.00
3,690,496.00	Caution money	130,000.00
781,493.00	CPF	443,192.00
1,189,203.00	Earnest Money / Security money	2,178,016.00
540,670.00	Employees loan from SBI	512,598.00
140,498.00	Examination Fees	100,505.00
1,512,854.00	G.I. for Student	1,705,523.00
26,768,368.00	GPF	28,274,509.00
644,470.00	Group Insurance Scheme	384,099.00
167,735.00	Imprest to Employees	776,607.00
25,378,067.00	Income Tax	34,834,619.00
39,183.00	Khadi	26,691.00
1,152,039.00	LIC	1,027,243.00

499,260.00	NPS Payment	-
9,898,033.00	New Pension Scheme	15,802,576.00
-	NIMCET	50,000.00
-	DST New Delhi	1,497,635.00
-	NBHM Travel Grant	175,191.00
-	SERB	-
7,550.00	OBC Recurring Grant	-
2,423,881.00	Outside Scholarship	4,711,859.00
-	World Environment Day	50,000.00
327,000.00	House & building loan recovery	327,000.00
114,821.00	Motorcycle and Loan recovery	69,600.00
9,000.00	Recovery of Car loan	-
14,981,327.00	LC Debit R&C	-
9,479.00	Revenue Stamp	9,897.00
1,206,190.00	Refund of Admission fees	97,777.00
1,221,230.00	Sales Tax	4,520,349.00
19,350.00	Science City Expenses	20,700.00
30,952.00	Undisbursed Cash	-
		<hr/>
		118,092,327.00

Earmarked/Endowment Funds:

Contributory Provident Fund:

3,842,270.00	Final Payment	2,819,759.00
305,371.00	Increase in Current Assets	-
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		2,819,759.00

General Provident Fund:

24,488,194.00	Loan & Final Payments	39,818,501.00
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New Pension Scheme:

-	Loan & Final Payments	1,018,277.00
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<u>Subsidiary Funds:</u>	
<u>Alumni Association</u>	
Revenue Expenses	719,713.00
Capital Expenses:	48,400.00
<u>Dean Academic Affairs:</u>	
Revenue Expenses	9,929,305.50
Income Tax	204,999.00
Advance Given	231,000.00
<u>Capital Expenses:</u>	
Office Equipments	52,520.00
<u>Industrial Estate:</u>	
Revenue Expenses	821,956.00
Capital Expenses	-
<u>Nodal Centre (NTMIS):</u>	
Revenue Expenses	574,807.00
<u>Project Account:</u>	
Advances & Imprest Adjusted	75,016.00
Revenue Expenses	16,824.00
Income Tax	1,143.00
MNNIT Fees	834,335.00
Liability for Expenses	15,907,298.50
Capital Expenses	4,626,936.00
<u>Research & Consultancy Cell:</u>	
Revenue Expenses	1,376,635.00
Amount transferred to Project Account	1,169,073.00
Testing and Consultancy (Pending)	22,172,247.00

1,089,021.00	Advance & Imprest Adjusted	3,324,350.00
891,031.00	Income Tax	4,474,977.00
-	Service Tax	2,277,569.00
-	CCB (Liability)	18,500.00
128,198.00	Liability for Expenses	47,261.00
8,693,256.00	Capital Expenses	8,712,840.00
	<u>School of Non Formal Continuing Education:</u>	
3,150,315.00	Revenue Expenses	1,703,462.00
335,098.00	Income Tax	213,132.00
25,000.00	Advance/Loan & Imprest	40,000.00
	Capital Expenses:	
	Furniture & Fixture	66,235.00
	<u>Student Welfare Fund:</u>	
778,603.00	Revenue Expenses	964,951.00
41,641.00	Increase in Current Assets	-
-	Advance Given	15,000.00
	Capital Expenses:	
	Other Fixed Assets	193,914.00
	<u>TEQIP - II</u>	
506,794.00	<u>Advance Recoverable</u>	4,505,417.00
7,450,000.00	<u>Advance - Revenue Expenses</u>	-
370,408.00	Revenue Expenses	19,118,216.00
	Capital Expenses:	
4,275,588.00	Library Books and Journals	12,865,724.00
-	Plant & Machinery-Equipments	6,576,788.00
	<u>Text Book Lending Bank:</u>	
23,193.00	Revenue Expenses	21,231.00
		123,901,775.00

VI. CLOSING BALANCE:

Current Account:

161,074,616.00	State Bank of India - Fees Account	302,448,897.00
122,549,975.64	State Bank of India - Power Jyoti	<u>3,922,679.22</u>
		306,371,576.22

Savings Account & Autosweep:

286,128,308.36	Vijaya Bank	<u>95,939,685.61</u>
		95,939,685.61

In Fixed Deposits with Banks:

	<u>Institute</u>	
53,048,536.00	Bank of Baroda	53,048,536.00
90,000,000.00	State Bank of India	90,000,000.00
-	Vijaya Bank	-

Caution Money

1,727,804.00	State Bank of India	1,727,804.00
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8,500,000.00	Vijaya Bank	<u>8,500,000.00</u>
		153,276,340.00

Earmarked and Endowment Fund:

Contributory Provident Fund:

1,387,012.00	Contributory Provident Fund (SB)	1,174,854.00
8,844,331.00	Contributory Provident Fund FDR	7,000,000.00

General Provident Fund:

1,007,349.00	General Provident Fund - with Treasury	1,007,349.00
124,996,556.00	General Provident Fund - with Vijaya Bank (FDR)	154,996,556.00
26,249,816.00	General Provident Fund - with Bank of Baroda (FDR)	26,249,816.00
37,708,917.00	General Provident Fund - with Vijaya Bank (SB)	(1,367,939.00)

3,547,074.00	<u>Corpus Fund (SBI-SB)</u>	3,690,375.00
591,355.00	<u>Development/Renewal Fund (SBI-SB)</u>	615,246.00
591,355.00	<u>Maintenance Fund (SBI-SB)</u>	615,246.00
1,182,498.00	<u>Staff Development Fund (SBI-SB)</u>	1,230,271.00
	<u>New Pension Scheme:</u>	
25,000.00	Vijaya Bank Saving Account	4,142,509.00
39,661,803.00	Vijaya Bank Autosweep FDR	54,633,247.00
	<u>In Subsidiary Funds:</u>	253,987,530.00
704,312.00	<u>Admission Committee</u>	
	<u>Alumni Association</u>	704,312.00
3,920,615.50	Savings Account	2,337,754.50
2,969,410.00	Fixed Deposits	5,152,560.00
20,491,942.00	<u>Dean Academic Affairs</u>	11,487,242.50
	<u>G.K. Agarwal Trust:</u>	
151,557.00	Savings Account:	180,286.00
300,000.00	Fixed Deposits	300,000.00
	<u>Industrial Estate</u>	
4,092,534.26	Current Account	2,402,184.26
20,800,000.00	Fixed Deposits	27,300,000.00
6,272.00	<u>Kitchen Project</u>	6,272.00
637,723.00	<u>Nodal Centre</u>	78,527.00
172,037.00	<u>P.D.T.C.</u>	178,987.00
	<u>Project Account</u>	
14,539,313.40	Savings & AutoSweep Account	9,364,912.78
14,464,408.00	Fixed Deposits	33,409,974.00
	<u>Research & Consultancy Cell :</u>	

20,090,681.55	Savings & AutoSweep Account	10,576,963.55
147,923,569.00	Fixed Deposits	177,820,502.00
<u>School of Non Formal Continuing Education :</u>		
4,221,893.00	Current Account	4,763,013.00
9,800,000.00	Fixed Deposits	9,800,000.00
<u>Sponsored Gold Medal</u>		
26,456.00	Savings Account	37,861.00
209,755.00	Fixed Deposits	388,488.00
<u>Student Welfare Fund :</u>		
6,966,179.00	Savings Account	3,255,072.00
7,598,119.00	Fixed Deposits	12,582,050.00
11,553,159.00	<u>TEQIP - II</u>	4,278,311.00
413,528.00	<u>Text Book Lending Bank</u>	444,555.00
		316,849,827.59

3,126,424,295.02

TOTAL PAYMENTS
2,639,995,525.99

**FOR AMIT OM & CO. CHARTERED
ACCOUNTANTS**

**(CA. AMIT AGARWAL)
PARTNER**

**(UMASHANKAR SHARMA)
DY. REGISTRAR A/CS**

**(SRVESH KR. TIWARI)
REGISTRAR**

12

ANNEXURES

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ANNEXURE-1**Council of National Institute of Technology (NIT Council)**

1.	Minister in charge, Department of Higher Education, Ministry of Human Resource Development, Government of India	Chairman (Ex-officio)
2.	Secretary, Department of Higher Education, Ministry of Human Resource Development, Government of India	Vice-Chairman (Ex-officio)
3.	The Chairperson of National Institutes of Technology located at Agartala (Tripura), Allahabad (Uttar Pradesh), Bhopal (Madhya Pradesh) Calicut (Kerala), Durgapur (West Bengal), Hamirpur (Himachal Pradesh), Jaipur (Rajasthan), Jalandhar (Punjab), Jamshedpur (Jharkhand), Kurukshetra (Haryana), Nagpur (Maharashtra), Patna (Bihar), Raipur (Chhattisgarh), Rourkela (Orissa), Silchar (Assam), Srinagar (Jammu & Kashmir), Surat (Gujarat), Surathkal (Karnataka), Tiruchirapalli (Tamil Nadu), and Warangal (Andhra Pradesh)	Member (Ex-officio)
4.	Director of every National Institute of Technology	Member (Ex-officio)
5.	The Chairman, University grants Commission	Member (Ex-officio)
6.	The Director General, Council for Scientific and Industrial Research	Member (Ex-officio)
7.	Secretary, Department of Bio-Technology, Government of India	Member (Ex-officio)
8.	Secretary, Department of Atomic Energy, Government of India	Member (Ex-officio)
9.	Secretary, Department of Information Technology, Government of India	Member (Ex-officio)
10.	Secretary, Department of Space, Government of India	Member (Ex-officio)
11.	Chairman, All India Council for Technical Education	Member (Ex-officio)
12.	Not less than three but not more than five persons to be nominated by the Visitor, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, industry, science or technology	Member
13.	Three Members of Parliament, of whom two shall be chosen by the House of the People and one by the Council of States.	Member
14.	Two Secretaries to the State Government, from amongst the ministries of departments of that Government dealing with technical education where the Institutes are located	Member (Ex-officio)
15.	Financial Advisor, Ministry of Human Resource Development, Government of India	Member (Ex-officio)
16.	Joint Secretary (Technical)/Additional Secretary (Technical), Department of Higher Education, Ministry of Human Resource Development, Government of India	Member Secretary (Ex-officio)

ANNEXURE-2

Board of Governors

The Board of Governors of the Institute consists of the following members;

1.	The Chairperson to be nominated by the Visitor	
2.	The Director, ex-officio	Member
3.	Two persons not below the rank of the Joint Secretary to the Government of India to be nominated by the Central Government from amongst persons dealing with technical education and finance	Member
4.	Two persons to be nominated by the Government of the State in which the Institute is situated, from amongst persons, who in the opinion of that Government, are technologist or industrialist of repute	Member
5.	Two persons, at least one of whom shall be a women, having special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council	Member
6.	One professor and one assistant professor or lecturer of the Institute to be nominated by the Senate	Member
7.	Registrar	Secretary

ANNEXURE-3

Finance Committee

The Finance Committee Consists of the following persons;

1.	The Chairperson Board of Governor	Chairman (Ex-officio)
2.	The Director	Member (Ex-officio)
3.	Joint Secretary dealing with National Institutes of Technology or his nominee and Finance Advisor (Human Resource Development) or his nominee members	Member
4.	Two persons nominated by the Board from amongst its members	Member
5.	The Registrar (Provided that in addition to the above, the Chairman may, in consultation with the Director, co-opt a member as and when found necessary)	Member Secretary (Ex-officio)

ANNEXURE-4

Building & Works Committee

The Building & Works Committee Consists of the following persons;

1.	The Director of the Institute	Chairman
2.	One member nominated by the Central Government not below the rank of Director or Deputy Secretary	Member
3.	One member nominated by the Board of Governors	Member
4.	Registrar, Ex-officio	Member Secretary (Ex-officio)
5.	Dean, Planning and Development or similar position	Member
6.	One expert each from Civil and Electrical Engineering Wing of the Central or State Government or any autonomous body of repute	Member

ANNEXURE-5

Senate

The Senate of the Institute consists of the following persons;

1.	The Director of the Institute	Chairman (Ex-officio)
2.	The Deputy Director	Member (Ex-officio)
3.	The professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute	Member
4.	Three persons, one of whom shall be a woman, not being employees of the Institute, to be nominated by the Chairperson in consultation with the Director, from amongst educationists of repute, one each from the field of science, engineering and humanities	Member
5.	Registrar	Secretary
6.	Such other members of the staff as may be laid down in the Statutes	

ANNEXURE-6

Campus Placements

B. Tech.

1. BIOTECHNOLOGY

S. No.	Name	Company 1	Company 2
1	AKASH KUMAR	Awadh Infra	
2	ANUPAM AGARWAL	ZS Associates	
3	AVANEESH KUMAR	FEPL	
4	AVINASH SINGH	Srijan	
5	DEVIKA MATHUR	EXL Services	
6	DIVYANSHU SRIVASTAV	IBM	
7	MEGHNA SHAH	Mu Sigma	
8	PARTH GUPTA	Mu Sigma	
9	PAYAL VERMA	Infosys	
10	RAJNEESH SINGH	TCS	
11	RISHIJ AGRAWAL	FEPL	
12	SANDEEP KUMAR	FEPL	
13	SHANTANU TANDON	Pradan	
14	SOLVIN KUMAR SINGH	Awadh Infra	
15	SWIKRITI SINGH	EXL Services	
16	UPENDRA YADAV	TCS	
17	VISHWAS MISHRA	EXL Services	

2. CHEMICAL ENGINEERING

1	ABHISHEK PANDEY	HMEL	
2	ANKIT SHUKLA	Mu Sigma	
3	AYUSH VIKRAM SINGH	Reliance Industries Limited	
4	GARGI AGRAHARI	Infosys	
5	HARENDRA YADAV	Infosys	HMEL
6	ISHA JEPH	Awadh Infra	
7	JYOTI SINGH	Infosys	Hindalco
8	MADHUR MEHTA	Indo Gulf Fertilizers	Tech Mahindra
9	MAINUDDIN	Infosys	ISRL
10	NEERAJ KUMAR	Awadh Infra	
11	PANKAJ KR VERMA	Reliance Industries Limited	
12	PUSHPENDRA PATEL	HMEL	
13	RENU SINGH	Pepsico	
14	ROHIT KUMAR	Polyplex	

15	ROHIT SINGH	FEPL	
16	RUBY GUPTA	TCS	Reliance Industries Limited
17	SACHIN SAURAV	Reliance Industries Limited	
18	SHALVI JAIN	TCS	Sony
19	SHASHANK TRIVEDI	IBM	Reliance Industries Limited
20	SUJEET KR SINGH	Resonance	
21	SUMIT KUMAR	TCS	Reliance Industries Limited
22	VAIBHAV KHANDELWAL	Awadh Infra	
23	YAZDAN KHAN	Mu Sigma	

3. CIVIL ENGINEERING

1	ABHAY MISHRA	Mu Sigma	
2	AGAM SINGH	Awadh Infra	
3	ANKAN KUMAR	HMEL	
4	ANUP KUMAR PANDEY	L&T ECC	
5	ARJIT MISHRA	TCS	
6	ASHUTOSH PANDEY	L&T ECC	
7	AVANEESH KR YADAV	Parul Institute(B.Tech)	
8	BHANU PRAKASH GOYAL	Resonance	
9	CHETAN DIXIT	LIC Life Plus	Samsung Heavy Industries
10	DEVBRAT SINGH	Parul Institute(B.Tech)	
11	MAYANK SHARMA	L&T ECC	
12	MUDIT MITTAL	L&T ECC	
13	NIKHIL KANAUIA	TCS	
14	NITESH SHUKLA	IBM	Raheja International
15	NITIN JAISWAL	TCS	ERA Group
16	PALLAVI GOSWAMI	HMEL	
17	PAWANSUT GUPTA	TCS	
18	PRABHU RAMJI KR	Parul Institute(B.Tech)	
19	PRAKHAR TRIPATHI	Futures First	
20	PRANJAL RASTOGI	IBM	
21	PRASHANT RASTOGI	Poornima Group of Colleges(B.Tech)	Aarvee Associates
22	PRASHANT TRIPATHI	ERA Group	
23	PRATIK JHA	HSCC	
24	RAVI KUMAR GAUTAM	Parul Institute(B.Tech)	Steel Authority India Limited
25	RISHABH AGARWAL	TCS	L&T ECC
26	RISHABH RAI	Poornima Group of Colleges(B.Tech)	
27	RUPENDRA SHARMA	HPCL MITTAL	
28	SAURAV BHARTI	Infosys	Indian Army

29	SHAILENDRA SINGH	Infosys	
30	SHASHANK UPADHYAY	EXL Services	
31	SHASHWAT SRIVASTAVA	Mu Sigma	
32	SHUBHAM NARAIN	Mu Sigma	
33	SHUBHAM NARAYAN SRIVASTAV	L&T ECC	
34	SHUBHAM SHARMA	Poornima Group of Colleges	
35	SIDDHANT MOHAN	IBM	
36	SIDDHARTH SRIVASTAV	ZS Associates	
37	SOURAV KUMAR	HMEL	
38	SUNEET BANSAL	L&T ECC	
39	VARUN SARAF	TCS	L&T ECC
40	VINEET KANDPAL	Infosys	Resonance

4. COMPUTER SCIENCE AND ENGINEERING

1	AAKASH SIGDEL	NEC Technology	
2	ABHAY KANT	Samsung SEL	
3	ABHINAV VASU RAWAT	TCS	Amdocs
4	ABHINAV CHAURASIA	Accenture	
5	ABHISAR SINGHAL	Flipkart	Amazon
6	ABHISHEK BARNWAL	Drishti Soft	
7	ABHISHEK SRIVASTAVA	Samsung R&D Bangalore	
8	ADITI GUPTA	Cisco	
9	ADITYA	FEPL	
10	ADITYA AGARWAL	Samsung R&D Bangalore	
11	ADNAN RAYEES	Tech Mahindra	
12	AISHWARYA SINGH	Novell	
13	AISHWARYA SINGH	Samsung R&D Bangalore	
14	AKASH SRIVASTAVA	TCS	S & P Capital IQ
15	AKSHAY TANKHA	Futures First	
16	ALANKRIT JOHARI	Samsung R&D Bangalore	
17	ALOK MAURYA	Citrix	
18	AMAN KANSAL	Adobe	
19	ANIMESH GUPTA	Citrix	
20	ANIRUDH KANJANI	NetApp	
21	ANKIT ANAND	Samsung R&D Bangalore	
22	ANKIT CHAUDHARY	Samsung R&D Bangalore	Sprinklr
23	ANKIT JAISWAL	Samsung R&D Bangalore	
24	ANKIT RAJ	Samsung R&D Delhi	SAMSUNG R&D Bangalore
25	ANKUR MAHESHWARI	Oracle ST	

26	ANKUR SINGH	Resonance	
27	ANNU RAMNANI	Adobe	
28	ANSHU MAHESHWARI	Morgan Stanley	DevFactory
29	ANUPAM CHATURVEDI	Samsung R&D Bangalore	Adobe Systems
30	ANUSHREE BANSAL	Microsoft	
31	ARCHIT BANSAL	Cisco	
32	ARJIT AGARWAL	Mahindra Comviva	
33	ARJUN MALIK	Oracle Apps	
34	ARPIT KUMAR SINGH	Oracle ST	
35	ARUNESH PANDEY	Cisco	
36	ASHISH PANDEY	IBM	Rancore
37	ASHISH PATHAK	Samsung R&D Delhi	
38	ASHISH PANT	Novell	Sprinklr
39	ASHISH VERMA	IBM	Amdocs
40	ASHUTOSH TRIPATHI	Samsung R&D Bangalore	
41	ATUL GIRI	Samsung SEL	
42	AYUSH SHUKLA	Infosys	
43	BHANU PRATAP SINGH	sapient nitro	Bharti Airtel
44	BIPIN KUMAR SHAH	Glocal Edge	
45	BRIJESH KUMAR GUPTA	Infosys	
46	CHANDAN GUPTA	Oracle Apps	
47	CHANDAN SHUKLA	Oracle Apps	
48	DEEPAK MISHRA	Infosys	Nokia Solutions Networks
49	DEEPAK KUMAR	U2opia	
50	DEVENDER YADAV	Belzabar	
51	DHARMENDRA KR VERMA	Amazon	
52	DHRUV DATT	AKS	
53	FARHAN AKRAM	Citrix	
54	GAURAV GUPTA	TCS	Amdocs
55	GAURAV SRIVASTAV	TCS	Lenskart
56	INDRAJEET KUMAR SAH	Nuclues Software	
57	INGIT ARORA	Adobe	
58	ISHA VERMA	Citrix	
59	KANCHAN KUREEL	Ericsson	
60	KEDAR PANJIYAR	sapient nitro	
61	KESHAV KR JHA	Samsung R&D Bangalore	Amazon
62	KIRT PANDEY	Samsung R&D Bangalore	
63	KOMAL CHAUDHARY	Infosys	BPCL
64	KUNDAN SINGH	Samsung R&D Bangalore	
65	KUSHAGRA JAISWAL	Amazon	

66	KUUSHAGRA MITTAL	EXL Services	BPCL
67	LAKHBIR SINGH	Samsung R&D Bangalore	
68	LALIT CHAUHAN	Nokia Solutions Networks (B.tech)	
69	MANASWI MEHARKURE	Samsung R&D Bangalore	
70	MANKEERAT KANWAR	Ericsson	Tavant
71	MAYANK JOSHI	Citrix	
72	MOHD ADIL HUSAIN	Ideal @1st Century	
73	MOHIT DIXIT	Ericsson	
74	MOHIT SINGH	Oracle OFSS	
75	MONIKA MOURYA	Infosys	Hero MotoCorp
76	NAVNEET DAS	LIC Life Plus	
77	NEERAJ YADAV	Samsung R&D Bangalore	
78	NEHA GAUTAM	TCS	CA Technology
79	NEHA PURI	Oracle Apps	
80	NIKHIL KUMAR	Flipkart	CodeNation
81	NILESH MISHRA	Samsung R&D Bangalore	
82	NILESH YADAV	Infosys	
83	NISHANT NARANG	Samsung R&D Delhi	
84	NISHANT SINGH	Mahindra Comviva	CA Technology
85	NIYATI AGARWAL	Novell	Sprinklr
86	OM PRAKASH	Amdocs	BPCL
87	PAKHI AGARWAL	Adobe	Goldman Sachs
88	PANKAJ VERMA	Tavant	
89	PARITOSH GUPTA	TCS	S & P Capital IQ
90	PAVITRA	Samsung R&D Bangalore	Sprinklr
91	PAYAS RAJAN	Samsung R&D Bangalore	
92	PIYUSH AGARWAL	kronos	
93	POOJA GUPTA	Infosys	Tavant
94	PRABHAT GUPTA	Samsung R&D Bangalore	
95	PRADEEP MISHRA	Ideal @1st Century	Collabera Solutions PVT LTD.
96	PRAGYA ANAND	kronos	
97	PRAMOD VERMA	Ideal @1st Century	
98	PRASHANT MISHRA	Amazon	
99	PRASHANT SHARMA	TCS	Amdocs
100	PRATEEK JAIN	Futures First	
101	PRATIBHA PANDEY	Samsung R&D Bangalore	
102	PREM SHAH	Sprinklr	
103	RAHUL KUMAR	IBM	Amdocs
104	RAHUL KR DUBEY	Goldman Sachs	
105	RAJ KUMAR SAROJ	TCS	

106	RAJAT DUBEY	Amazon	
107	RAVI GUPTA	Qualcomm	
108	RISHABH KUMAR	L&T infotech	Sprinklr
109	RISHABH SHARMA	NEC Technology	Nokia Solutions Networks (B.tech)
110	RITESH PANDEY	HSCC	
111	ROHIT UPADHYAYA	CDot	Sprinklr
112	SAAVAN SINGH	Samsung R&D Bangalore	
113	SACHIN TIWARI	Samsung R&D Bangalore	
114	SACHIN YADAV	Samsung R&D Bangalore	
115	SADHVI SHEKHAR	Samsung R&D Bangalore	
116	SAKSHAM SRIVASTAVA	Samsung R&D Bangalore	Sprinklr
117	SAKSHI JAIN	Morgan Stanley	
118	SHASHANK	Citrix	
119	SHEKHAR AGRAWAL	Samsung R&D Bangalore	
120	SHIV ASHISH*	Nagarro	Oracle ST
121	SHIWANI JAISWAL	Novell	Sprinklr
122	SHOBHIT GUPTA	Oracle ST	
123	SHOBHIT TIWARI	Samsung R&D Bangalore	
124	SHRASTI BANSAL	Samsung R&D Bangalore	
125	SHRAWAN KR SHARMA	Rancore	
126	SHREY GARG	Samsung R&D Bangalore	
127	SHUBHAM AWASTHI	Morgan Stanley	
128	SHWETA JAIN	NetApp	Sprinklr
129	SMRITI RAINA	Goldman Sachs	
130	SOFIYA JILANI	Samsung R&D Delhi	
131	SONU GOEL	Samsung R&D Delhi	
132	SUMIT GUPTA	Verizon Data Service	
133	SUDHEER KUMAR	MARUTI SUZUKI PVT. LTD.	
134	TRISHALA SAINI	sapient nitro	
135	UTKARSH	Cisco	
136	UTKARSH	Infosys	
137	VATSAL AGARWAL	Samsung R&D Delhi	
138	VIJAY KUMAR JAIN	Cisco	Sprinklr
139	VIJAY SINGH	sapient nitro	
140	VIVEK TIWARI	Oracle OFSS	
141	YASH KHANDELWAL	Qualcomm	

5. ELECTRICAL ENGINEERING

1	AKASH PORWAL	ZS Associates	
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2	AKSHAY	Tata Power DDL	
3	AMRITANSHU KUMAR	Reckitt Benckiser	
4	ANKIT JAISWAL	Infosys	HMEL
5	ANKIT SRIVASTAVA	L&T infotech	Oracle OFSS
6	ARIHANT SINGH	Honda Siel Power Project	
7	ARPIT MEHROTRA	schneider	
8	ASHISH SINHA	TCS	Reliance Industries Limited
9	ASHUTOSH SINGH	Maruti	
10	ATUL SAGAR	IBM	Tata Power DDL
11	CHETAN JAIN	Tata Power DDL	
12	DANVIR SINGH UPPAL	schneider	L&T ECC
13	DEEPAK KUMAR SINGH	Infosys	Ideal @1st Century
14	DEEPAK MALVIYA	TCS	
15	GAURAV CHATURVEDI	Resonance	
16	HIMANSHU MITTAL	PGCIL	
17	HIMANSHU ANAND	Srijan	
18	KAMAL KISHORE	HSCC	
19	KAPIL TRIPATHI	TCS	Trident
20	KHUSHBU SHUKLA	Tata Power DDL	
21	KUMAR ARCHIT	Onmobile	
22	KUSHAL GUPTA	IBM	L&T ECC
23	LAKSHYA VERMA	TCS	schneider
24	MAYANK SHRIVASTAVA	LIC Life Plus	
25	OMKAR VERMA	L&T ECC	Awadh Infra
26	PAWAN KUMAR SINGH	TCS	schneider
27	PRANJAL MISHRA	Infosys	
28	PRAVEEN	Tata Power DDL	
29	PRERNA GUPTA	TCS	Reliance Industries Limited
30	PUNEET SINGH	IBM	schneider
31	RAHUL SYAL	TCS	Reliance Industries Limited
32	RAJAN KUMAR	IBM	HMEL
33	RITAMBHARA SANGYA	Infosys	
34	ROBIN BANSAL	TCS	HMEL
35	SAUMYA SRIVASTAVA	Reliance Industries Limited	
36	SHATAKSHI SRIVASTAVA	ZS Associates	
37	SHIV MISHRA	Ideal @1st Century	
38	SHUBHAM SRIVASTAVA	TCS	
39	SONAM GANGWAR	PGCIL	
40	SUDEEP BERA	Tata Power DDL	
41	SUKANTA PARIDA	TCS	Reliance Industries Limited

42	SURAJ KUMAR MISHRA	Mu Sigma	
43	VIBUDH SINGH	Mu Sigma	
44	VIDUSHI SAXENA	schneider	
45	VIKALP DHIMAN	Emerson Power	
46	VINAY SINGH	TCS	mitsubishi
47	VINEET KUMAR SINGH	Infosys	Ideal @1st Century
48	VIVEK KUMAR	Tech Mahindra	
49	VIVEK SISAUDIA	L&T ECC	

6. ELECTRONICS AND COMMUNICATION ENGINEERING

1	AAQUIB ISHTIYAQ	Cisco	
2	AAQUIB JAVED	Samsung SEL	
3	ABHIJEET KATTIYAR	Mediatek	
4	ABHISHEK GAUTAM	mitsubishi	
5	ABHISHEK RAI	NEC Technology	
6	ABHISHEK SHARMA	Nuclues Software	
7	ABHISHEK SINGH	TCS	Amdocs
8	ADITYA VAIBHAV SINGH	Eaton	
9	AJAY JAIN	HMEL	
10	AJAY SINGH ATTRI	Sony	
11	AKASH GOEL	Tech Mahindra	
12	AKASH KUMAR GUPTA	Samsung R&D Delhi	
13	AKSHAY GARG	Futures First	
14	ALKA CHAUDHARY	Cadence Design System	
15	AMAR KUMAR	Ideal @1st Century	
16	ANAND KUMAR	Onmobile	
17	ANIL KUMAR YADAV	Ideal @1st Century	
18	ANISHA KUMARI	Bharti Airtel	
19	ANITA KUMARI	Emerson Power	
20	ANKIT SHUKLA	Polyplex	
21	ANKIT VERMA	Infosys	Idea Cellular
22	ANKUR SACHAN	HMEL	
23	ANUJ KUMAR YADAV	Ericsson	
24	ANURAG MARWAH	mitsubishi	
25	APAAR SAXENA	Tavant	
26	ARSHI AADIL	Ericsson	Idea Cellular
27	ARUNIMA SARKAR	Ericsson	Bharti Airtel
28	ASHISH SRIVASTAVA	Samsung R&D Delhi	
29	ASHUTOSH KUKRETI	Samsung R&D Delhi	
30	ATISHAY JAIN	sapient nitro	Freescale Semiconductor

31	AVINASH SONKAR	FEPL	Alshaya India Pvt Ltd
32	AYUSH JAIN	Amdocs	
33	AYUSH MISHRA	FEPL	
34	AYUSH TANDON	Verizon Data Service	
35	AYUSHI AGARWAL	Qualcomm	
36	CHARU VERMA	ZS Associates	
37	DEEPIKA AGRAWAL	TCS	Idea Cellular
38	DEEPIKA SRIVASTAVA	Goldman Sachs	
39	DEWESH TIWARI	Mahindra Comviva	
40	DHANANJAY SINGH	Freescale Semiconductor	
41	DHARMENDRA KHANNA	Nagarro	
42	DIVYA AGRAWAL	Cisco	
43	DURVESH KUMAR	Rancore	
44	FAKHRUL ISLAM	Awadh Infra	
45	GAURAV AGARWAL	Infosys	Cadence Design System
46	GAURAV AGARWAL	TCS	Nuclues Software
47	GAURAV SHARMA	EXL Services	
48	GAURAV YADAV	Ericsson	Nokia Solutions Networks (B.tech)
49	GAVESHNA	CDot	
50	HARPRIT CHHABADA	Qualcomm	
51	HARSHIT MITTAL	Samsung R&D Delhi	
52	HEMANT KABRA	Mediatek	
53	HIMANSHU KUMAR	Samsung SEL	
54	KETAN GUPTA	Mahindra Comviva	
55	KSHITIJ MATHUR	TCS	Oracle OFSS
56	KUMAR DEEP DWIVEDI	Infosys	Hindalco
57	MADHUR GOEL	Samsung SEL	
58	MAYANK VIMAL	TCS	
59	MOHAN LAL GARG	Ideal @1st Century	
60	MOHD ASIM SUHAIL	Onmobile	
61	MRIDUL DUBEY	Nagarro	
62	NIKHIL ARELA	Mu Sigma	
63	PANKAJ KUMAR PATEL	Awadh Infra	
64	PANKAJ YADAV	Infosys	
65	PAYAL SACHAN	EXL Services	
66	PRABHAT PANDEY	Samsung R&D Delhi	
67	PRADIP	Hindalco	
68	PRATEEK MANGAL	Idea Cellular	
69	PRATEEK PANDEY	TCS	Amdocs
70	PRAVEEN SINGH	Infosys	

71	RAHUL KUMAR	Mahindra Comviva	
72	RAKSHA SINGH	IBM	
73	RAM PYARA CHANDAK	PGCIL	
74	ROHIT PRAKASH	Oracle OFSS	
75	SACHITANAND JAISWAL	Awadh Infra	
76	SAMEER GUPTA	Infosys	Ideal @1st Century
77	SAMIA FEROZE	Mu Sigma	
78	SAMRADDHA DUBEY	L&T infotech	Misys
79	SAMVEG GUPTA	Oracle Apps	
80	SANJANA DALELA	TCS	Idea Cellular
81	SARVENDU SINHA	TCS	Freescale Semiconductor
82	SAURABH MISHRA	EXL Services	
83	SHANI KUMAR VERMA	Infosys	
84	SHARMISHTHA SRIVASTAVA	SAP Labs	
85	SHASHANK PRAKASH	EXL Services	
86	SHISHIR AGRAWAL	Brahmos	
87	SHIVAJI	Infosys	
88	SHIVAM NAYAK	Awadh Infra	Printvenue
89	SHIVANGI PATEL	Infosys	
90	SHIVANI CHANDRA	Oracle OFSS	
91	SHIVENDRA SINGH	Awadh Infra	
92	SHOOR VEER SINGH	Qualcomm	
93	SHUBHENDRA KUMAR	Misys	
94	SIDDHANT YADAV	Atkins Global	Freescale Semiconductor
95	SIDDHARTH SINGH	Eriesson	
96	SIDDHARTH SINGH	Verizon Data Service	
97	SIDDHARTH VATS	IBM	Idea Cellular
98	SIDHARTH GUPTA	TCS	Nuclues Software
99	SRISHTI	IBM	Bharti Airtel
100	SUDHANSHU YADAV	Samsung SEL	
101	SULOCHANA GAUTAM	Nuclues Software	
102	SUMIT GUPTA	Infosys	
103	SUMIT VERMA	Qualcomm	
104	SUSHIL BHARATI	TCS	
105	SUYASH SINGH	Tavant	
106	UDIT	Samsung SEL	
107	VAIBHAV AGRAWAL	Qualcomm	
108	VALLI P	Tech Mahindra	
109	VERTIKA KUSHWAHA	Atkins Global	Infosys
110	VIKRANT SINGH	Tech Mahindra	

111	VINEET TOMAR	LIC Life Plus	
112	VIPIN KUMAR SINGH	Amdocs	
113	VIVEK GUPTA	sapient nitro	
114	YUGAL KRISHNA	Resonance	
115	ZAFAR AKHLAQUE	L&T infotech	Resonance

7. INFORMATION TECHNOLOGY

1	ABHINAV PALASH	Qualcomm	
2	ABHINAV SHAHU	Oracle ST	
3	ABHISHEK SINGHAL	Cisco	
4	ADARSH BARANWAL	Accolite	
5	AKASH BANSAL	Flipkart	
6	AKSHAY AGARWAL	Novell	
7	ALOK KUMAR MAURYA	Tavant	
8	AMAN AGARWAL	Samsung R&D Bangalore	
9	ANCHIKA AGARWAL	ebay	
10	ANIL PRATAP SINGH	TCS	Sony
11	ANJALI AGARWAL	Verizon Data Service	
12	ANKIT CHAUDHARY	Samsung SEL	
13	ANKUR SINGHAL	EXL Services	
14	ANMOL DHAR	Glocal Edge	Mavenir Systems
15	ANSHUL DIXIT	Samsung SEL	
16	ANURAG SAHU	Oracle Apps	
17	ASHUTOSH PANDEY	TCS	S & P Capital IQ
18	AYUSHI SRIVASTAVA	AKS	
19	BHAWNA	kronos	Novell
20	DEEPAK KUMAR	Tavant	
21	DEEPALI SACHAN	AKS	
22	DHARMADEV	Infosys	Nokia Solutions Networks (B.tech)
23	HARISH KUMAR YADAV	Oracle Apps	
24	HISHAM SHAMIM	Accolite	
25	JUHI DUA	TCS	Amdocs
26	KAVISH DWIVEDI	NetApp	Blue Jeans Network
27	MOHIT KUMAR	Samsung SEL	
28	MUKESH CHAWLA	IBM	sapient nitro
29	NITESH GUPTA	TCS	
30	PARIDHI GUPTA	Samsung R&D Bangalore	
31	PRASHANT AGARWAL	Oracle ST	
32	PRASHANT MISHRA	Samsung SEL	

33	PRIYANKA GAUTAM	Ideal @1st Century	
34	PULKIT MOHAN	Oracle ST	
35	RACHIT TANDON	Samsung SEL	
36	RAHUL JAISWAL	Oracle ST	
37	RAHUL KUMAR SINGH	Samsung SEL	
38	RAHUL MAURYA	TCS	sapient nitro
39	RAJAT SINGH	Goldman Sachs	
40	RITESH MISHRA	Novell	Amazon
41	ROLI PAL	AKS	
42	SACHIN KUSHAWAHA	IBM	Commonfloor
43	SANCHITA GHAI	Samsung R&D Bangalore	
44	SANJEET KUMAR	Infosys	
45	SANU GUPTA	TCS	Nuclues Software
46	SAUMYA RASTOGI	Samsung SEL	
47	SAURAV CHANDRA	Samsung R&D Bangalore	
48	SHASHANK JAIN	kronos	
49	SHEKHAR KUMAR	NetApp	Blue Jeans Network
50	SHERRY	TCS	Drishti Soft
51	SHIVANGI RAI	American Express	
52	Shivendra Kumar Singh	Flipkart	
53	SHUBHAM SAINI	Amazon	
54	SHUBHAM SANDEEP	Samsung SEL	
55	SIDDHARTH GAUR	TCS	Drishti Soft
56	SUKANYA CHITTORIA	LIC Life Plus	
57	SUMIT GUPTA	Oracle ST	
58	SURAJ TRIPATHI	Oracle Apps	
59	SURYA NARAYAN SINGH	TCS	Newgen
60	SURYA PRAKASH SINGH	NEC Technology	
61	VAIBHAV SINGH	IBM	
62	VAIBHAV SHARMA	Commonfloor	
63	VAISHALI AGARWAL	TCS	GEP
64	VAISHALI GUPTA	SAP Labs	
65	VIKRAM BHARDWAJ	Goldman Sachs	
66	VINOD CHOUDHARY	sapient nitro	
67	VIPUL TIWARI	Oracle OFSS	
68	VIVEK SINGH	Mu Sigma	

8. MECHANICAL ENGINEERING

1	ABHISHEK NIRANJAN	Ideal @1st Century	
2	ABHISHEK SAXENA	Sony	

3	ABHISHEK SINGH	Reliance Industries Limited	
4	ADARSH TIWARI	IBM	Maruti
5	ADITYA SINGH	IBM	Reliance Industries Limited
6	ADITYA VIKRAM SINGH	Tata Motors	
7	ALOK KUMAR	Pepsico	
8	AMIT MISHRA	LIC Life Plus	
9	ANANT AGARWAL	Reliance Industries Limited	
10	ANKIT AGARWAL	Honda Siel Power Project	LIC Life Plus
11	ANKIT SRIVASTAVA	TCS	Reckitt Benckiser
12	ANKUR PAL SINGH	SABMiller India	
13	ANURAG AWASTHI	Infosys	
14	APOORV PRATAP SINGH	Tata Motors	
15	ARCHAN MUDWEL	National Instruments	
16	ASHISH KUMAR MISHRA	Hero MotoCorp	
17	AVINASH UPADHYAYA	Tata Motors	KRIBHCO
18	AWANISH PANDEY	Tata Motors	KRIBHCO
19	AYUSH MITTAL	ZS Associates	
20	BHANU PRATAP	Tech Mahindra	
21	CHHOTE LAL GUPTA	Ideal @1st Century	
22	Deepak	Eaton	
23	DEEPAK KUSHWAHA	Reliance Industries Limited	
24	DEVAM SRIVASTAVA	IBM	Hero MotoCorp
25	DEVENDRA SINGH	Infosys	
26	DHARAMVEER SINGH	UPL	Tech Mahindra
27	DIVAKAR VARSHNEY	Infosys	Polyplex
28	GAURAV DIXIT	IBM	Tata Motors
29	GAURAV SHROFF	Tata Hitachi	
30	GAYASUDDIN QURAIISHI	Trident	
31	GEHENDRA SHARMA	ESCO Coupling	
32	GURPREET SINGH	Eaton	
33	HARSHIT AGARWAL	Infosys	Hero MotoCorp
34	HIMANSHU VERMA	Brahmos	
35	ISHTDEV SINGH	IBM	Reliance Industries Limited
36	JAYANT GUPTA	IBM	L&T ECC
37	JEFFRY KURIAN ISSAC	JSW Steel	
38	KAMAL UPRETI	TCS	Honda Siel Power Project
39	KARTIK KUMAR VATS	Reckitt Benckiser	
40	KIRAN SALLA	JSW Steel	
41	KUNAL DWIVEDI	Bajaj Auto	
42	MANISH CHATURVEDI	Tech Mahindra	

43	MANISH GAUTAM	HMEL	
44	MOHAMMAD AMIR	IBM	UPL
45	MOHAMMED ANSARI	Pepsico	
46	MOHD JUBER AHMAD	Hindalco	
47	PIYUSH LAWANIA	Infosys	Polyplex
48	PRADEEP MAURYA	Ideal @1st Century	
49	PRAMOD KUMAR	BPCL	
50	PRAKASH KUMAR	LIC Life Plus	
51	PRAKHAR TIWARI	Bajaj Auto	
52	PRASHANT SHISHODIA	IBM	L&T Hydrocarbon
53	PRATEEK CHAUHAN	Reliance Industries Limited	
54	RAJAN GUPTA	Infosys	L&T Hydrocarbon
55	RISHI TRIPATHI	Eaton	
56	SAGAR GUPTA	Ideal @1st Century	LIC Life Plus
57	SAMEER AGRAWAL	Reliance Industries Limited	
58	SATYENDRA PATEL	Ideal @1st Century	
59	SAURABH CHAND	IBM	
60	SAURABH SHARMA	Resonance	
61	SHAHADAT HUSSAIN	TCS	Maruti
62	SHASHANK SHEKHAR	L&T ECC	
63	SHASHANK SRIVASTAVA	TCS	L&T Hydrocarbon
64	SHASHANK VYAS	Reliance Industries Limited	
65	SHIVAM MISHRA	Honda Siel Power Project	Pradan
66	SHUBHAM AGARWAL	Indraprastha Gas LTD	
67	SHUBHAM GUPTA	Infosys	Indraprastha Gas LTD
68	SUNIL GANGWAR	KRIBHCO	
69	USAMAH HABIB	Awadh Infra	
70	VAIBHAV JAISWAL	IBM	ISRL
71	VAIBHAV MISHRA	TCS	Ideal @1st Century
72	VARUN ASTHANA	Bajaj Auto	
73	VIJAY KUMAR PATEL	HMEL	
74	VIKAS NIRANJAN	Infosys	Havells India
75	VIKASH KUMAR	JSW Steel	
76	VIKRANT YADAV	Maruti	
77	VISHAL SINGH	Tata Hitachi	

9. PRODUCTION AND INDUSTRIAL ENGINEERING

1	ABHISHEK DARGUN	IBM	
2	ABHISHEK UPADHYAY	Resonance	
3	AKASH GUPTA	Tata Motors	

4	AKHIL TRIPATHI	Hero MotoCorp	Tech Mahindra
5	AKSHAY SRIVASTAVA	IBM	Maruti
6	ALMAZ RIZVI	IBM	Havells India
7	AMIR ZUBAIR	Tata Motors	
8	ANKIT JAISWAL	TCS	SABMiller India
9	ANKIT SAH	TCS	Resonance
10	ANUPAM SHUKLA	Mu Sigma	
11	ASHISH SINGH	Infosys	Maruti
12	ASHWANI KUMAR	Trident	
13	AYUSH GOYAL	Infosys	
14	BULBUL JAIN	Eaton	
15	PRAHARSH	Hero MotoCorp	
16	RAHUL SHARMA	Aakash Institute	
17	SHASHI GUPTA	Hindalco	
18	SIDDHARTHA SINGH	EXL Services	
19	TARUN YADAV	Maruti	
20	VIBHUSHIT	Maruti	
21	VISHAKHA PANDEY	EXL Services	

M. TECH.

1. APPLIED MECHANICS

1	ISHANT CHANDRA	Sharda	
2	MOHAMMED SUHAIB	Poornima Group of Colleges (M.Tech)	
3	RAJNI KANT MISHRA	SRM University	
4	VINAY KUMAR YADAV	Sharda	
5	SUBRATA MONDAL	ICFAI University	
6	VIKASH YADAV	Sharda	
7	GOURISHETTI RAVALI	TCS	
8	NIDHI NAYYAR	TCS	Clairvolex Knowledge Process Pvt Ltd
9	NEELESH JAISWAL	Ideal @1st Century	
10	MS SHRUTI YADAV	Misys	
11	SHOBHIT VERMA	Pradan	
12	PARUL DUA	SRM University	
13	ANKIJA AGARWAL	SRM University	
14	EKTA PANJWANI	Bharat Institute	
15	ARPIT GUPTA	Parul Institute(M.Tech)	
16	HEMANT GUPTA	SRM University	
17	ABHISHEK DIXIT	Teerthkankar Mahaveer Univrsity	Sharda

18	IMRAN KHAN	SRM University	
19	DEEPAK KUMAR	Sharda	GLA University
20	NISHANTA DEVYA	Infosys	
21	SHIVANI SINGH	L&T infotech	
22	MARRIPELLY SANDEEP	Infosys	
23	PARUPATI REDDY	IBM	Dolcera (M.Tech ECE)
24	SHASHIBHUSHAN	JECRC University	
25	SOVANJYOTI GIRI	DIT University	
26	UPENDRA SINGH	Poornima Group of Colleges(M.Tech)	
27	JITENDER KUMAR	Teerthkankar Mahaveer Univrsity	
28	NITESH ASTHANA	SRM University	
29	ALOK KUMAR MAURYA	Poornima Group of Colleges(M.Tech)	
30	SANYAM AGGARWAL	TCS	Parul Institute(M.Tech)
31	SHITANSHU ARYA	JECRC University	
32	ABHILASH SINGH	Manglayatan University	
33	VIKRAM SINGH	SRM University	
34	SANDHYA	Poornima Group of Colleges(M.Tech)	
35	GARIMA KUSHWAHA	TCS	
36	ANUBHAV RAI	IBM	Teerthkankar Mahaveer Univrsity
37	SANTOSH KUSHWAHA	DIT University	
38	SURINDER KAUR	Samsung R&D Bangalore	American Express
39	SANJEEV GANGWAR	DIT University	
40	ABHINAV TOMAR	JECRC University	
41	PREETI KUMARI	Amadeus Labs	American Express
42	AVANTIKA KARWASARA	MAQ Software	
43	VISHAL SHARMA	Oracle Apps	SRI Bangalore
44	RAVI MADHESHIYA	Samsung SEL	
45	ABHISHEK GARG	SRI Bangalore	
46	SUGANDHA SRIVASTAVA	Samsung R&D Delhi	
47	SUSHMA VISHWAKARMA	TCS	SRI Bangalore
48	RAVI PRAKASH	Trivium Coaching	
49	SANJAY YADAV	IBM	Nokia Solutions Networks (M.tech)
50	SHASHI RAJ	DIT University	
51	ANKUR SHUKLA	IBM	Amdocs
52	VISHAL SHARMA	Manglayatan University	
53	ADHISHREE	General Electric	
54	JAYANT MANI TRIPATHI	Poornima Group of Colleges (M.Tech)	
55	VIVEK UPADHYAY	Parul Institute (M.Tech)	

56	SOMESH KUMAR	Sharda	
57	ANVAR SN	General Electric	
58	SHWETA	General Electric	
59	M NARESH	Sharda	
60	DILIP KUMAR	Teerthkankar Mahaveer Univrsity	
61	AKHTEDAR KHAN	DIT University	
62	ANKUR PATEL	R K University	
63	RAKESH DWIVEDI	Manglayatan University	
64	DEWDEEP SINGH	JECRC University	
65	RAVENDRA SHARMA	Teerthkankar Mahaveer Univrsity	
66	ANURAG SHARMA	Dronacharya Group	
67	SURESH KUMAR	Manglayatan University	
68	MANOJ KUMAR	Poornima Group of Colleges (M.Tech)	
69	NIRMAL GARG	SRM University	
70	BHAVYAVESH SAHU	Sharda	
71	VISHAL AGRAWAL	IBM	Dronacharya Group
72	APURVA TIWARI	Manglayatan University	
73	HARESH KUMAR	Sharda	
74	SHIVAM GUPTA	SRM University	
75	SWATHI PADIMI	L&T infotech	
76	MAYANK MALVIYA	IBM	
77	KAMAL LASKAR	Infosys	JECRC University
78	GAURISH JOSHI	Dolcera (M.Tech ECE)	
79	ABHISHEK SINGH	TCS	JECRC University
80	KUSHAL SAXENA	SRM University	
81	SUBHASHIS NANDY	DIT University	
82	SHIVAM SRIVASTAVA	JECRC University	
83	VINAY VERMA	TCS	
84	ASHUTOSH TIWARI	IBM	Teerthkankar Mahaveer Univrsity
85	SURYAKANT UPADHAYAY	TCS	
86	RAHUL KUMAR	IBM	
87	RAM KRIPAL MISHRA	JECRC University	
88	ANURAG KUMAR	DIT University	
89	RAJUL KUMAR	Oracle Apps	
90	MONI	Parul Institute (M.Tech)	SRI Bangalore
91	ALOK RATHORE	SRI Bangalore	
92	ANUPAM TAMRAKAR	IBM	CA Technology
93	MD BICKY	Sharda	
94	SHASHANK JAIN	Snapdeal	

95	ARPIT AGRAWAL	Samsung SEL	
96	PRINCE RAJPOOT	SRM University	
97	ASHWINI KUMAR	Manglayatan University	
98	HIMANKI JAIN	Samsung R&D Bangalore	
99	SAOOD ALI	Teerthkankar Mahaveer Univrsity	
100	AMIT CHAUHAN	R K University	
101	VINAY KUMAR	DIT University	
102	NEERAJ GIRI	CADENCE DESIGN SYSTEMS	
103	ARPIT JAIN	IBM	Ansys
104	DRAVIT RANA	Ansys	
105	PALLAVI GUPTA	Dolcera (M.Tech ECE)	
106	ROHIT TIWARY	TCS	
107	RICHA PARIHAR	MNNIT Allahabad	
108	VINEET JAISWAL	Teerthkankar Mahaveer Univrsity	
109	VIVEK KUMAR JAISWAL	Freescale	
110	SUBHASH BHAGAT	JECRC University	
111	JYOTSANA SINGH	SRM University	
112	NIDHI TIWARI	Thorogood	General Motors
113	RANJAY SINGH	DIT University	
114	NAVEED SUHAIL	SRM University	
115	NRIPENDRA VERMA	DIT University	
116	YASHWANT SINGH	SRM University	
117	KANAPALA ROSAIAH	JECRC University	
118	GAURAV KHANDURI	DIT University	
119	BALADEV BISWAL	SRM University	
120	MANOJ KUMAR	Poornima Group of Colleges (M.Tech)	Madhya Pradesh Electricity Board
121	JAGTAR BHATTI	Poornima Group of Colleges (M.Tech)	
122	SHRAVAN SINGH	Sharda	
123	ANKIT SINGH	Sharda	Poornima Group of Colleges (M.Tech)
124	SUDESH JAISWAL	Poornima Group of Colleges (M.Tech)	
125	AYUSH VARDHAN GOYAL	DIT University	
126	MANOJ PATHAK	Misys	
127	VIVEK SINGH	NHPC	
128	RAVI KANT BRAR	Parul Institute (M.Tech)	
129	VAIBHAV VERMA	TCS	
130	RAVI GUPTA	DIT University	
131	ALOK KUMAR MISHRA	R K University	
132	NEERAJ GUPTA	DIT University	
133	NITIN KUMAR SINGH	TCS	

134	AJAYA KETAN NAYAK	ICFAI University	
135	ASHWANI SHARMA	Poornima Group of Colleges (M.Tech)	
136	NITISH KUMAR SINGH	Poornima Group of Colleges (M.Tech)	
137	PIYUSH PANT	Sharda	
138	ANKIT SHARMA	Parul Institute (M.Tech)	
139	TARUN BHARDWAJ	R K University	
140	NITESH KUMAR PANDEY	SRM University	
141	AKASH NAZAAR	Sharda	
142	ASHWANI	IBM	
143	BHUPENDRA SAHU	TCS	
144	VANDANA PATHAK	Infosys	Nokia Solutions Networks(M.tech)
145	SUSHMA BHARTI	Infosys	
146	BRIJESH PATEL	Sharda	
147	SUNNY SINGH	Samsung SEL	
148	ASHISH PAUL TIGGA	Poornima Group of Colleges (M.Tech)	
149	DIVYA KIRTI BAJPAI	Dolcera (M.Tech CSE)	
150	AMIT NITHANI	SRI Bangalore	
151	PRASUN HAZARI	Parul Institute (M.Tech)	
152	PRINCE BHATIA	LG Soft india Pvt Ltd	
153	RAJIV KUMAR	NEC Technology	SRI Bangalore
154	SONIKA JAIN	IBM	CA Technology
155	RAKESH RANJAN KUMAR	JECRC University	
156	RAKESH BABU	Lenskart	
157	GUPTA LAXMANBHAI	SAP Labs	
158	GAURAV PANDEY	Sharda	
159	RAUSHAN KUMAR	L&T ECC	
160	KHYATI SAHU	L&T ECC	
161	RAJANIKANT UPADHYAY	Poornima Group of Colleges (M.Tech)	
162	ANIL KUMAR GUPTA	Poornima Group of Colleges (M.Tech)	JECRC University
163	ASHWANI KULSHRESTHA	SRM University	

2. MASTER OF COMPUTER APPLICATION

1	ABHINANDAN TRIPATHI	Mahindra Comviva	
2	ABHISHEK SHEKHAR	Amdocs	
3	ADITI KHANDELWAL	VMWARE	
4	ADITYA KATHURIA	TCS	Ericsson
5	AKANKSHA JAISWAL	Oracle OFSS	

6	AMIT KUSHWAHA	Ericsson	
7	ANKIT KUMAR	IBM	
8	ANMOL ASHISH DHAN	Infosys	
9	ANUJ KUMAR*	TCS	SRI Bangalore
10	FAIZUR RAHMAN	Amdocs	
11	GAGAN DEEP	KRONOS	
12	GAURAV GILHOTRA	SAMSUNG SEL	
13	GAURAV VERMA	Amdocs	
14	JHABAR MAL THALORE	OSSCube	Ericsson
15	JYOTI KUMARI	OSSCube	
16	JYOTI RANA	MAQ Software	
17	KAISH ALAM	OSSCube	Amdocs
18	KHUSHBOO MAHTO	L&T infotech	
19	MANZOOR ALAM ANSARI	IBM	
20	MOHD ZEESHAN ALEEM	Mahindra Comviva	
21	MOHIT KHATRI	TCS	
22	MONIKA JALOTA	Samsung R&D Bangalore	
23	NAVEEN PRAKASH SINGH	VMWARE	
24	NEERAJ SHARMA	OSSCube	
25	NISHA SINHA	BICSL	
26	NISHANT GUPTA	Samsung R&D Bangalore	
27	PALLAVI JAISWAL	VMWARE	
28	PALLAVI KUMARI	Infosys	
29	PARAMJEET KAUR	Amadeus	
30	PARUL	S & P Capital IQ	
31	POOJA	BICSL	
32	PREETI	Mahindra Comviva	
33	PREETI	AMEX	
34	PREETI CHHABRA	TCS	American Express
35	PRIYANKA KESHARI	MAQ Software	
36	RAHUL KUMAR	Mahindra Comviva	
37	RAHUL SHUKLA	Infosys	
38	RAJANI UPADHYAY	Ericsson	
39	RAMASHISH VERMA		
40	RITESH CHATURVEDI	TCS	
41	RUPAM OJHA	KRONOS	
42	RAJNISH SINHA	Aspiring Minds	
43	SHASHANK GUPTA	Verizon Data Service	
44	SHIKHA	sapient nitro	
45	SHILPI AGARWAL	Samsung R&D Bangalore	

46	SIDDHANT KISHORE	MAQ Software	
47	SURABHI SHRIVASTAVA	Mahindra Comviva	
48	SUSHMA RANI	sapient nitro	
49	SWATI AGARWAL	KRONOS	
50	SWATI KHANDELWAL	Safenet	
51	TANYA ARORA	Samsung R&D	
52	VAISHALI BINDAL	AMEX	
53	VIBHA	American Express	
54	VISHAKHA TYAGI	VMWARE	
55	VISHAL PRIYADARSHI	Mahindra Comviva	
56	VIPUL BHARADWAJ	ACCENTURE	

3. MASTER OF BUSINESS APPLICATION

1	NEERAJ KUMAR	Awadh Infra	Capital Via
2	SUSHIL KUMAR	Awadh Infra	
3	ANUJ GUPTA	Axis Bank	HDFC Life
4	PRAVEEN KUMAR	Capital Via	HDFC Life
5	GAURAV JAISWAL	Awadh Infra	Wodsvilla
6	DHARMENDRA YADAV	Awadh Infra	
7	SNEHA A	Capital Via	
8	DEEPAYAN GOSWAMI	Axis Bank	
9	ANKUR JAISWAL	Capital Via	
10	ANIMESH KUMAR	Awadh Infra	
11	JAI KUSHWAHA	Capital Via	
12	VARSHA YADAV	Axis Bank	Capital Via
13	RAJESH MAURYA	Awadh Infra	
14	ARTI ANAND	HDFC Life	
15	SHUBHAM DEV VERMA	Awadh Infra	
16	ROOPESH KUMAR	Capital Via	
17	SATYAJIT ROUT	Srijan	
18	SATISH ARYA	Awadh Infra	
19	AMAN JAITLY	Berger Paints	Pradan
20	PRAVEEN SRIVASTAV	Awadh Infra	
21	KAMAL KUMAR	Awadh Infra	
22	VIJAY SANGTANI	Berger Paints	
23	SAURABH ARYA	Awadh Infra	
24	ANKITA TIBREWAL	Capital Via	
25	ABHISHEK SINGH	Berger Paints	
26	NAUSHER KADYAN	Axis Bank	Ideal @1st Century
27	NAGENDRA PRASAD	Axis Bank	Capital Via
28	ABHISHEK SINGH	Axis Bank	Capital Via

29	ANKIT CHAURASIA	Srijan	
30	ALKA TYAGI	Capital Via	
31	SHUBHAMVEER SINGH	Jaro India PVT LTD	
32	CHITRANSHU	HDFC Life	
33	SHOBHIT SHUKLA	Applied Mobile Labs	
34	JASPREET RAJPAL	Pradan	
35	SIDDHARTH GAURAV	Berger Paints	
36	SHILENDRA RAJPUT	Ideal @1st Century	
37	ANKITA BHARAT	Plum Innovation	
38	SHUBHAM KUMAR	XL Dynamics	
39	ANIL KUMAR MISHRA	Jaro India PVT LTD	
40	NIKITA JUYAL	Capital Via	
41	JITENDRA YADAV	Awadh Infra	Capital Via
42	VIJAY KUMAR SHUKLA	Berger Paints	
43	AMIT KUMAR	LIC Life Plus	Visa Steel
44	AYUSH VAISH	Berger Paints	
45	SAURABH PRATAP RAO	Berger Paints	
46	RUBINA CHAKMA	Awadh Infra	
47	MUDIT CHANDRA	Awadh Infra	Capital Via
48	NITIKA GUPTA	Srijan	
49	NITIN SRIVASTAVA	Teerthkankar Mahaveer Univrsity	IRT Computer Solutions
50	SUYASH MISRA	HDFC Life	
51	NITIN SINGH	Awadh Infra	Axis Bank
52	SANATAN SRIVASTAVA	Teerthkankar Mahaveer Univrsity	IRT Computer Solutions
53	DARSHANA BARMAN	Teerthkankar Mahaveer Univrsity	
54	DEVENDRA KUMAR	Vardhaman Infra Group	
55	RAHUL PURWAR	Vardhaman Infra Group	
56	MITHLESH CHAUBEY	Vardhaman Infra Group	
57	TANUJ TALREJA*	United India Insurance	

4. MASTER IN SOCIAL WORKS

1	SHALINI		LIC Life Plus
2	ARPIT DUBEY	LIC Life Plus	Awadh Infra
3	UPASANA YADAV		Pradan
4	BELAL AHMAD	Srijan	Awadh Infra
5	AMIT PANDEY	LIC Life Plus	Awadh Infra
6	DIVYA RAI		LIC Life Plus

5. MSc

1	GARIMA GUPTA	Infosys	
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**Annexure-7
Externally Funded Research Project**

SI	Title of Project	Sponsoring Agency	Name of P.L./Coordinator	Department	Sanction No.	Date	Total Sanctioned Amount (Rs.)	Expenditure During The Year (Rs.)
1	Air Pollution Monitoring Project (U.P.)	UPPCB, Lucknow	Dr. R.C. Vaishya	Civil Engineering	F02241/C.L/8/96	05.06.2006	36,61,000.00	4,98,896.00
2	Information Security Education and Awareness Programme Course under Information Technology Ministry of Communicative Technology Govt. of India	DIT, New Delhi	Dr. A.K. Mishra	Computer Science & Engineering	2(14)/2005-ISEA	19.07.2006	1,03,57,602.00	33,776.00
3	Experimental and Numerical study of Traveling wire electro-chemical spark machining of advanced engineering	CSIR, New Delhi	Dr. Vinod Yadava	Mechanical Engineering	22(0486)/09/EMIR-II	10.11.2009	8,46,755.00	1,11,032.00
4	Cylinder Pressure Reconstruction of Multi-Cylinder Spark Ignition Engine	DST, New Delhi	Dr. Samir Saraswati	Mechanical Engineering	SR/S3/MERC/089/2009	26.11.2009	24,62,400.00	34,813.00
5	Numerical algorithms for solving singularly perturbed boundary value problems with engineering applications	UGC, New Delhi	Dr. Manoj Kumar	Mathematics	F. No. 37-515//2009(SR)	11.01.2010	11,93,600.00	2,13,963.00
6	Computational techniques for solving non-linear elliptic boundary value problems	DST, New Delhi	Dr. Manoj Kumar	Mathematics	SR/FTP/MS-14/2007	20.01.2010	8,93,200.00	47,847.00
7	Study of Rees Algebra, Graded Rings in Module Theoretic Setup and its Applications	NBHM, Mumbai	Dr. Shiv Datt Kumar	Mathematics	2/48(13)2009/-R&D II/2804	22.03.2010	10,27,652.00	2,08,567.00
8	Role of DNA methylation in setting up the chromatin organization of developmentally important genes in mammals	DBT, New Delhi	Dr. Manisha Sachan	Applied Mechanics Engineering	BT/PR13317/GDB/27/252/2009	11.6.2010	18,75,000.00	4,21,835.00
9	“Establishment of New National MEMS Design Centre” (PARC#2:10) Sanctioned under NP-MASS Programme	ADA, Bangalore	Dr. Sweta Tripathi	ECE	ADA:FIN:NP-MASS: FUND-R:2:10:2010-11	13.8.2010	11,16,000.00	0.00
10	Finite Element Approximation and Computer Implementation for Non-	CSIR, New Delhi	Dr. Manoj Kumar	Mathematics	25(0187)/10/EMIR-II	31.08.2010	11,99,946.00	4,00,604.00

	Linear Elliptic Singular Perturbation Problems with Engineering Application											
11	Effect of magnetic and field on the laser ablated plasma plume and on the growth of oxide thin films for the various applications	DST, New Delhi	Dr. Naresh Kumar	Physics	SR/S2/HEP-07/2010	27.09.2010	34,27,000.00	29,42,834.00				
12	Experimental And Numerical Study of Laser Cutting of Aluminium Alloy Sheet	CSIR, New Delhi	Dr. Avaniish Kumar Dubey	Mechanical Engineering	22(0532)/10EMR-II	28.12.2010	4,65,912.00	1,76,161.00				
13	DFT Study of Neutral and Zwitterionic forms of Biologically Important Molecules in Polar and Non-Polar Environments and Calculation of Dissociation Constants	CSIR, New Delhi	Dr. Animesh Kumar Ojha	Physics	No.03(1179)/10/EM R-II	15.11.2010	8,33,412.00	2,07,530.00				
14	Microbial profiling in Gangetic River System and development of a gold Nanoparticles based multiplex lateral flow immunoassay for bacterial detection	UGC, New Delhi	Dr. Shivesh Sharma	Biotechnology	F.No. 39-256/2010 (SR)	28.12.2010	8,43,800.00	1,29,875.00				
15	Electro-Discharge Diamond Grinding Development and Optimization	AR & DB, New Delhi	Dr. Vinod Yadava	Mechanical Engineering	DARO/08/2031574/M/I	22.12.2010	27,18,500.00	2,41,930.00				
16	Functionalization of wheat grains for enhancement of bio available micronutrients through reduction of phytic acid food inhibitor	DST, New Delhi	Dr. Nand Kumar Singh	Biotechnology	SR/FT/LS-107/2009 (G)	06.09.2011	19,58,000.00	4,78,982.00				
17	Graded modules over rings graded by finitely generated abelian groups	DST, New Delhi	Dr. Shiv Datt Kumar	Mathematics	SR/S4/MS:642/10-1	27.09.2011	10,04,640.00	5,183.00				
18	Process development for Cellulosic ethanol production from Himalayan chir pine (pinus roxburghii) forest waste	DST, New Delhi	Dr. Sangeeta Negi	Biotechnology	SR/FT/LS-112/2009 (G)	30.09.2011	19,90,000.00	9,08,532.00				
19	Synthesis and characterization of Metal-Oxide Semiconducting Nanostructures wi h appropriate Doping for various application	UGC, New Delhi	Dr. P. P. Sahay	Physics	FN 40-450/2011(SR)	17.10.2011	9,98,960.00	1,27,597.00				

20	Fate and Transport of Arsenic in Oxide Coated Soil Matrix	UGC, New Delhi	Dr. R. C. Vaishya	Civil Engineering	39-888/2010 (SR)	14.11.2011	6,94,800.00	3,09,034.00
21	Degradation of dyes wastewater through combination of ozonation and anaerobic biodegradation	DST, New Delhi	Ms. Smita Venkatesh	Chemistry	SR/WOS-A/ET-48/2011 (G)	17.11.2011	14,40,000.00	4,18,632.00
22	Ambient Air Quality Monitoring and Noise Monitoring Project	UPPCB, Lucknow	Dr. R. P. Singh	Civil Engineering	F96469/CL/161/Airman/Kumbh/Allahabad/2011	20.12.2011	7,28,000.00	2,97,515.00
23	Harnessing PGRs from Indo Gangetic Plain Region of Uttar Pradesh for Growth Promotion and Disease Suppression in Rice and Pigeonpea	DBT, New Delhi	Dr. Shivesh Sharma	Biotechnology	BT/PR469/AGR/05/545/2011	30.12.2011	39,39,000.00	11,39,087.00
24	Sorghum Stover Based Biorefinery for fuels and chemicals	MNRE, New Delhi	Dr. Sangeeta Negi	Biotechnology	IFD/2157/11-12	25.01.2012	38,76,400.00	3,88,774.00
25	Studies on Reactivity of Selected Drugs and Correlation with Their Activity	DST, New Delhi	Ms. N.C. Bhanumati Devi	Chemistry	SR/WOS-A/CS-80/2011 (G)	13.03.2012	20,00,000.00	5,75,421.00
26	Design and Development of Low Cost Plastic Devices for Electronics and Photonic Application	DRDO, New Delhi	Prof. P. Chakrabarti	Electronic & Communication Engineering	ERIP/ER0803699/M/01/1423	16.04.2012	36,46,000.00	12,19,403.00
27	Development of Eucalyptus Globules Oil Containing Bio-adhesive Polymeric Nanoparticles and Estimation of its Cytotoxicity Potential and Assay against Biofilm	SERB, New Delhi	Dr. Vishnu Agrawal	Biotechnology	SR/FT/LS-59/2011	15.05.2012	17,76,000.00	5,70,185.00
28	Chitosan Derivatives Containing azo Based Schief based: Synthesis, Characterization, Spectroscopic and Antimicrobial studies	CSIR, New Delhi	Dr. P. K. Dutta	Chemistry	02(0059)/12/EMR-II	16.05.2012	17,50,400.00	8,22,560.00
29	Solar Photovoltaic Array Power Conversion Using Embedded Cascaded Multilevel Inverter	SERB, New Delhi	Dr. Rajesh Gupta	Electrical Engineering	SR/S3/EEEECE/0053/2012	06.09.2012	34,36,600.00	9,93,470.00
30	Organic-Inorganic Hybrid Material Based on Metal Complexes and Polyoxometalates, their Characterization and Application in	CST, Lucknow	Dr. S. S. Narvi	Chemistry	CST/SERPD/D-1221	13-09-2012	6,56,000.00	2,74,051.00

	Catalysis and Gass Absorption												
31	HR Competence Mapping amongst women self-help in Uttar Pradesh	ICSSR, New Delhi	Dr. Tripti Singh	School of Management Studies	02/240/2012/RP	04-07-2012	5,00,000.00	1,25,441.00					
32	Multi-Partnership Model of Self Sustainable Shelters for Urban Homeless Poor	HSMI, New Delhi	Dr. Gritika Head	School of Management Studies	HSMI/R&D/2012-13	30-04-2013	16,00,000.00	2,13,261.00					
33	Response of Curved Bridges with Isolation Bearings	SERB, New Delhi	Dr. Goutam Ghosh	Civil Engineering	SB/FTP/ETA-290/2012	21-05-2013	11,28,000.00	1,73,274.00					
34	Study of antibody and human polymorphonuclear neutrophils (PMN) mediated phagocytosis of PNAG positive Staphylococcus epidermidis biofilms and estimation of caspase-3 like protease (clip) production	DBT, New Delhi	Dr. Vishnu Agarwal	Biotechnology	BT/PR6175/GBD/27/367/2012	15-05-2013	27,07,000.00	5,03,441.00					
35	Flow Control in Complex Ducts using Synthetic Jets	SERB, New Delhi	Dr. A. R. Paul	Applied Mechanics	SERB/FTP/ETA-24/2013	16-08-2013	23,93,000.00	0.00					
36	Bio-restoration Technology Based on the Management of Plant Microbe Soil Interaction for the Restoration of Degraded Ecosystems	DBT, New Delhi	Dr. Shivesh Sharma	Biotechnology	BT/PR7525/BCE/8/972/2013	25.09.2013	6,76,400.00	268990.00					
37	Cylindrical Electrolytic Magnetic Abrasive Machining (CEMAM): Development, Modeling and Optimization	CSIR, New Delhi	Dr. Vinod Yadava	Mechanical Engineering	22(0644)/13/EMR-II	31.09.2013	18,37,920.00	0.00					
38	Synthesis and optical characterization of low dimension systems	SERB, New Delhi	Dr. A. K. Ojha	Physics	SR/FTP/PS-038/2011	01.11.2013	23,14,000.00	125000.00					
					Total	Total	7,59,72,899.00	1,56,07,496.00					

ANNEXURE 8

Details of Testing & Consultancy

April-13

TC No.	Date	Name of Agency	Title of Project	Name of P. I.	Name of Department	Received Amount	Expenditure
1	01.04.13	U. P. Parivahan Nigam, Allahabad	Ballast Testing	Dr. Shalini Shukla	Civil Engineering Department	11,236.00	
2	01.04.13	Construction Division-1 Allahabad	Third Party inspection of PWD Kumbh Mela, Allahabad	Prof. R. P. Tiwari	Civil Engineering Department	1,00,000.00	
3	01.04.13	Superintendent of works, Temp. D.C.U. NH, Gorakhpur	Third Party inspection of Road Work	Prof. R. P. Tiwari	Civil Engineering Department	2,38,434.00	99,750.00
4	01.04.13	Nagar Nigam, Allahabad	Third Party inspection of Road Work of Kumbh Mela	Prof. R. P. Tiwari	Civil Engineering Department	4,21,217.00	
5	01.04.13	Construction Division-01 Allahabad	Third Party inspection of Road Work of Kumbh Mela	Prof. R. P. Tiwari	Civil Engineering Department	5,92,197.00	
6	01.04.13	Packfed Nirman Prakhand, Allahabad	Brick Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,180.00	
7	05.04.13	Uttar Pradesh PCL, Jhansi	Third Party inspection of Construction Work	Prof. R. P. Tiwari	Civil Engineering Department	20,000.00	
8	06.04.13	Uttar Pradesh Irrigation Ban Sagar Conal Construction Division - 4 Mirzapur	Clarification & strength determination of rocks	Prof. R. P. Tiwari	Civil Engineering Department	86,517.00	
9	06.04.13	B.M. Construction C/o Hyderabad India Ltd. Satahariya, Jaunpur	Mix Design - M20	Dr. Priyaranjan Pal	Civil Engineering Department	22,472.00	
10	06.04.13	U. P. Parivahan Nigam, Allahabad	G.S.B. Grading & RMC Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	26,966.00	
11	06.04.13	U. P. Parivahan Nigam, Allahabad	Cube compressive strength test	Dr. Priyaranjan Pal	Civil Engineering Department	2,247.00	
12	06.04.13	U. P. Parivahan Nigam, Allahabad	G.S.B. Grading & RMC Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	22,472.00	

13	08.04.13	M/s Elegant Consulting Engineers, 9/623 Vasundhara Ghaziabad	Checking & vetting of structural design	Prof. P. K Mehtia	Civil Engineering Department	33,708.00
14	08.04.13	HNB Engineers Pvt. Ltd, Chauphatka, Allahabad	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00
15	12.04.13	Power Grid of Corporation of India Ltd., Civil Lines, Allahabad	Concrete cube test	Er. Vijay Kumar	Civil Engineering Department	33,708.00
16	18.04.13	U. P. R. S. Parivahan Nigam, Allahabad	Sieve analysis & compressive strength	Er. Vijay Kumar	Civil Engineering Department	17,977.00
17	18.04.13	Ground Water Dept. Saket Nagar Kanpur	Master plant for ground water recharge	Dr. H. K. Pandey	Civil Engineering Department	97,701.00
18	18.04.13	Nagar Nigam Allahabad	Brick test compressive strength	Dr. Priyaranjan Pal	Civil Engineering Department	2,247.00
19	18.04.13	PNC Kanpur Highways Ltd., Kanpur	Proof checking of desing or RCC calvest	Prof. K. K. Shukla	Applied Mechanics Department	20,000.00
20	18.04.13	Ministry of Housing & urban poverty alleviation GOI, New Delhi	Soil testing at Raibareli	Dr. Kumar Venkatesh	Civil Engineering Department	84,270.00
21	18.04.13	Gammon India Limited, Project Office, Tagore Town, Allahabad	Cube Testing	Dr. Kumar Venkatesh	Civil Engineering Department	60,674.00
22	18.04.13	Uttar Pradesh Public, CD-2 Works Department Allahabad	Third Party inspection of PWD Kumbh Mela, Allahabad	Prof. R. P. Tiwari	Civil Engineering Department	73,648.00
23	18.04.13	Uttar Pradesh Public, CD-2 Works Department Allahabad	Third Party inspection of PWD Kumbh Mela, Allahabad	Prof. R. P. Tiwari	Civil Engineering Department	32,549.00
24	18.04.13	Flood Works Division, U.P. Irrigation Department, Allahabad	Pile load test for Ghats Construction for Maha Kumbh	Prof. R. P. Tiwari	Civil Engineering Department	3,98,878.00
25	18.04.13	Uttar Pradesh Public, Works Department CD-3 Allahabad	Third Party inspection of road work of Kumbh Mela	Prof. R. P. Tiwari	Civil Engineering Department	55,550.00
26	18.04.13	U. P. Parivahan Nigam, Allahabad	Ballast Testing	Dr. Shalinee Shukla	Civil Engineering Department	13,483.00
27	18.04.13	U. P. Parivahan Nigam, Allahabad	Ballast Testing	Dr. Shalinee Shukla	Civil Engineering Department	17,978.00

28	18.04.13	Construction Division, U.P. Jal Nigam, Lucknow	Soil testing	Er. Vijay Kumar	Civil Engineering Department	56,180.00	16,125.00
29	18.04.13	M/s Jai Prakash Associates Limited, NTPC Bara Allahabad	Testing of reinforcement steel bars coupler joined	Dr. S. J. Pawar	Applied Mechanics Department	11,236.00	
30	29.04.13	M/s Sterling & Wilson Ltd., Kolkata	Cube Testing	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00	
31	29.04.13	M/s Sterling & Wilson Ltd., Kolkata	Steel bar testing	Dr. Priyaranjan Pal	Civil Engineering Department	17,978.00	
32	29.04.13	Power Grid Corporation of India Ltd., Civil Lines, Allahabad	Cube Testing	Er. Vijay Kumar	Civil Engineering Department	6,742.00	
33	29.04.13	PGCI Ltd., Civil Lines, Allahabad	Cube Testing	Er. Vijay Kumar	Civil Engineering Department	4,494.00	
34	30.04.13	U. P. Parivahan Nigam, Allahabad	Ballast Testing	Dr. Shalinee Shukla	Civil Engineering Department	8,989.00	

May-13

1.	02.05.13	DFCCIL North Central Railway, Allahabad	Testing of Soil	Er. Vijay Kumar	Civil Engineering Department	37,080.00	
2.	08.05.13	Gammon India Limited, Tagore Town, Allahabad	Cube Testing	Er. Vijay Kumar	Civil Engineering Department	4,494.00	
3.	13.05.13	UPRNN Limited, Kaushambi Unit, Allahabad	Soil sample collection by SPP Test	Er. Vijay Kumar	Civil Engineering Department	61,798.00	14,125.00
4.	13.05.13	Prantiya Khand, PWD Allahabad	Paver Block Test	Dr. Priyaranjan Pal	Civil Engineering Department	16,854.00	
5.	13.05.13	NH Division-1, PWD Varanasi	Third party inspection of road work at Varanasi	Prof. R. P. Tiwari	Civil Engineering Department	2,58,386.00	75,800.00
6.	13.05.13	NH Division-1, PWD Varanasi	Third party inspection of road work at Varanasi	Prof. R. P. Tiwari	Civil Engineering Department	1,46,377.00	41,100.00
7.	13.05.13	NH Division-1, PWD Varanasi	Third party inspection of road work at Varanasi	Prof. R. P. Tiwari	Civil Engineering Department	6,36,669.00	1,72,800.00
8.	13.05.13	M/s Sterling & Wilson Ltd., Kolkata	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00	

9.	13.05.13	U.P.R.N.N. Ltd. Allahabad		Mix design M-20 with ad mixture	Dr. Priyaranjan Pal	Civil Engineering Department	28,090.00	
10.	14.05.13	N.C.Railway, Allahabad		Tile Test	Dr. Priyaranjan Pal	Civil Engineering Department	12,921.00	
11.	14.05.13	Mr. Shekhar Singh, B-31/25, Lanka Varanasi		Design checking of RCC CWR of capacity 1000 KL	Prof. K. K. Shukla	Applied Mechanics Department	5,618.00	
12.	14.05.13	NTPC SSTPS, Shakti Nagar		Tensile & Bend Test	Dr. Anindya Bhar	Applied Mechanics Department	16,854.00	
13.	17.05.13	Nirman Khand-4 PWD Allahabad		Rebound hammer test for Kumbh Mela 2013	Dr. Priyaranjan Pal	Civil Engineering Department	24,720.00	
14.	17.05.13	M/s Progressive Engineer Associates, Sarvodaya Nagar, Allahabad		Paver Block Test	Dr. Rama Shanker	Civil Engineering Department	6,180.00	
15.	17.05.13	NTPC SSTPS, Shakti Nagar		Tensile & Bend Test	Dr. Anindya Bhar	Applied Mechanics Department	8,427.00	
16.	20.05.13	U.P.R.N.N. Ltd. Allahabad Unit		B.C. & chemical analysis of soil	Er. Vijay Kumar	Civil Engineering Department	59,551.00	13,925.00
17.	20.05.13	U.P. Police Awas Nigam, Construction Unit, Kanpur		Cube Testing	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00	
18.	23.05.13	Construction Division, U.P. Jal Nigam, Allahabad		B.C. & chemical analysis	Er. Vijay Kumar	Civil Engineering Department	1,06,742.00	26,615.00
19.	23.05.13	Jain Hospital, Allahabad		Vetting of hospital building	Prof. A.K. Sachan	Civil Engineering Department	20,000.00	
20.	23.05.13	NBCC Ltd., Allahabad		Vetting of desing of gomess	Prof. A.K. Sachan	Civil Engineering Department	2,24,720.00	
21.	23.05.13	The Institute of Applied Science, Mumfordganj, Allahabad		Testing of water sample	Dr. N. R. Rawal	Civil Engineering Department	4,495.00	
22.	23.05.13	Health Organisation, New Cant, Allahabad		Testing of water sample	Dr. N. R. Rawal	Civil Engineering Department	28,090.00	

23.	23.05.13	Rural Engineering Department division - Sonebhadra	Mortar Test	Dr. Priyaranjan Pal	Civil Engineering Department	78,652.00	
24.	28.05.13	\ACD-III, CPWD, Allahabad	Mix design M-25	Dr. Priyaranjan Pal	Civil Engineering Department	61,798.00	
25.	28.05.13	M/s D.B. Power Limited, Badadarah Dist-Janigir Champa, Chhatisgarh	Checking of design and issue of stability certificate	Prof. S. K. Duggal	Civil Engineering Department	15,16,860.00	

June-13

1.	03.06.13	PWD Allahabad	Third party inspection of Maha Kumbh 2013	Prof. R. P. Tiwari	Civil Engineering Department	1,16,950.00	
2.	03.06.13	M/s HNB Engineers Pvt. Ltd. Duplex No. 36 Amedkar Vihar Colony, Chauphatka, Alld.	Sand, Brick, Cement & Steel Test	Dr. Priyaranjan Pal	Civil Engineering Department	88,203.00	
3.	03.06.13	M/s HNB Engineers Pvt. Ltd. Duplex No. 36 Amedkar Vihar Colony, Chauphatka, Alld.	Sand, Brick, Cement & Steel Test	Dr. Priyaranjan Pal	Civil Engineering Department	24,157.00	
4.	03.06.13	M/s HNB Engineers Pvt. Ltd. Duplex No. 36 Amedkar Vihar Colony, Chauphatka, Alld.	Sand, Brick, Cement & Steel Test	Dr. Priyaranjan Pal	Civil Engineering Department	34,270.00	
5.	07.06.13	IVRCL Ltd. Allahabad	Testing of waste water sample	Dr. N. R. Rawal	Civil Engineering Department	11,236.00	
6.	07.06.13	Old cantonment, Allahabad	Proposal of rain water harvesting system	Dr. H. K. Pandey	Civil Engineering Department	28,075.00	
7.	10.06.13	N. C. Railway, Allahabad	Testing of galvelume sheet	Dr. Anindya Bhar	Applied Mechanics Department	6,180.00	
8.	11.06.13	ADA, Allahabad	Brick & Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,180.00	
9.	11.06.13	UP Awas Vikas Parishad, Lucknow	Geotechnical Investigation	Prof. R. P. Tiwari	Civil Engineering Department	4,26,968.00	75,000.00
10.	14.06.13	Ganga pollution control unit, UP Jal Nigam, Alld.	MPN Test of water	Prof. Ram Pal Singh	Civil Engineering Department	11,236.00	

11.	14.06.13	Prantiya Khand Lok Nirman Vibhag, Jaunpur	Job Mix Formula	Dr. Shalinee Shukla	Civil Engineering Department	5,618.00	
12.	20.06.13	Mandi Parishad, Allahabad	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,180.00	
13.	20.06.13	M/s Sterling and Wilson Ltd., Kolkata	Fine Aggregate & coarse aggregate	Dr. Priyaranjan Pal	Civil Engineering Department	22,472.00	
14.	25.06.13	Nirman Khand-1 PWD Allahabad	Tensile and bend test	Dr. Priyaranjan Pal	Civil Engineering Department	53,933.00	
15.	27.06.13	Kumbh Mela-2013 UPSRTC Allahabad	Cube Test & Paver Block Test	Dr. Priyaranjan Pal	Civil Engineering Department	21,348.00	
16.	27.06.13	Parivahan Nigam, Head Office, Allahabad	Third party inspection of UP Roadways	Prof. K. K. Shukla	Applied Mechanics Department	1,00,000.00	

July-2013

1.	12.07.13	Jalkal Vibhag, Nagar Nigam Allahabad	Database integrity under information system improvemnt plan	Prof. Neeraj Tyagi	CSED	44,944.00	
2.	12.07.13	M/S ASPG Infra Service Pvt. Ltd. B-1/44, Sector-18, Rohini, Delhi - 18	Inspection of the roof slab	Dr. Priyaranjan Pal	Civil Engineering Department	56,180.00	
3.	12.07.13	Indian Oil Corporation Ltd., Chnadrakanta Bhawan, Taramandal Road, Gorakhpur	Paver Block Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,180.00	
4.	12.07.13	Mandi Parishad, Allahabad	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,180.00	
5.	12.07.13	Construction Division, U.P. Jal Nigam, Alld.	Geotechnical Investigation	Er. Vijay Kumar	Civil Engineering Department	56,180.00	16,125.00
6.	12.07.13	M/s Rudra Navnirman P. Ltd., M.G. Marg, Civil Lines, Alld.	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	7,865.00	

7.	12.07.13	M/s R. K. Associates, MIG-211 Preetam Nagar colony dhoomanganj, Allahabad	Mix Design-M25	Dr. Priyaranjan Pal	Civil Engineering Department	28,090.00	
8.	16.07.13	N.H. Division, PWD Allahabad	Third party inspection of road work at Etawah	Prof. R. P. Tiwari	Civil Engineering Department	2,16,060.00	96,800.00
9.	16.07.13	N.H. Division, PWD Allahabad	Third party inspection of road work at Etawah	Prof. R. P. Tiwari	Civil Engineering Department	6,01,520.00	1,81,800.00
10.	16.07.13	D.C.U. NH Gorakhpur	Third party inspection of road work at Gorakhpur	Prof. R. P. Tiwari	Civil Engineering Department	2,78,866.00	1,03,500.00
11.	18.07.13	D.C.U. NH Gorakhpur	Third party inspection of road work at Gorakhpur	Prof. R. P. Tiwari	Civil Engineering Department	4,16,010.00	1,51,000.00
12.	18.07.13	N.H. Division-1, PWD Varanasi	Third party inspection of road work at Varanasi	Prof. R. P. Tiwari	Civil Engineering Department	1,27,433.00	38,000.00
13.	18.07.13	N.H. Division-1, PWD Varanasi	Third party inspection of road work at Varanasi	Prof. R. P. Tiwari	Civil Engineering Department	63,759.00	18,940.00
14.	18.07.13	N.H. Division-1, PWD Varanasi	Third party inspection of road work at Varanasi	Prof. R. P. Tiwari	Civil Engineering Department	96,208.00	29,050.00
15.	18.07.13	N.H. Division-1, PWD Varanasi	Third party inspection of road work at Varanasi	Prof. R. P. Tiwari	Civil Engineering Department	3,28,850.00	1,12,450.00
16.	18.07.13	M/s Sterling & Wilson Ltd., Kolkata	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	20,225.00	
17.	19.07.13	Construction Division UP Jal Nigam, Allahabad	Rock cutting	Er. Vijay Kumar	Civil Engineering Department	11,236.00	
18.	23.07.13	Jain Hospital, Extension Building, 61 Lowther Road, Allahabad	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	2,247.00	
19.	25.07.13	Mr. Vinay Kumar Singh, Dy. Manager Sales, HPCL Allahabad	Paver Block Test	Dr. Shalinee Shukla	Civil Engineering Department	12,360.00	
August-2013							
1.	12.08.13	M/s Naini Associates, Allahabad	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	2,247.00	
2.	12.08.13	Packfed Nirman Prakhand Ajamgarh	Mortar Test	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00	

3.	17.08.13	Airport Authority of India, Bamrauli, Allahabad	Soil testing & design of boundary wall	Dr. Kumar Venkatesh	Civil Engineering Department	1,12,360.00	32,375.00
4.	17.08.13	Ban Sagar Canal Construction Division-II Allid.	Mortar Proportion	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00	
5.	20.08.13	The Project Manager, IVRCL Ltd., STP, Allahabad	Vetting of RCC details of MCC room at Rajapur SPS	Dr. Priyaranjan Pal	Civil Engineering Department	33,708.00	
6.	29.08.13	M/s Fans colling Technologies MUN Pvt. Ltd. Kohrar Meja, Allahabad	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	5,056.00	
7.	29.08.13	M/s HNB Engineers Pvt. Ltd., Duplex No.-36 Ambedkar Vihar Colony, Chauphatka, Allahabad	Mix desing M-30 & Cube test	Dr. Priyaranjan Pal	Civil Engineering Department	35,955.00	
8.	29.08.13	M/s HNB Engineers Pvt. Ltd., Duplex No.-36 Ambedkar Vihar Colony, Chauphatka, Allahabad	Mix desing M-20 & M-25	Dr. Priyaranjan Pal	Civil Engineering Department	50,562.00	
9.	29.08.13	M/s ACP Tollways Pvt. Ltd. B-9, Vibhuti Khand, Gomti Nagar, Lucknow	Proof Checking of ROB at Ch. 58+900	Prof. K. K. Shukla	Applied Mechanics Department	44,944.00	
10.	30.08.13	Unicef Project Unit, U.P. Jal Nigam, Sonbhadra	Water Testing	Dr. N. R. Rawal	Civil Engineering Department	17,978.00	
11.	30.08.13	M/s Water Treatment Company, Allahabad	Water Testing	Dr. N. R. Rawal	Civil Engineering Department	5,618.00	
12.	31.08.13	NH Division, P.W.D., Kanpur	Third party inspection of road works at Kanpur	Prof. R. P. Tiwari	Civil Engineering Department	2,44,383.00	1,03,150.00
13.	31.08.13	Ganga Pollution Control Unit, UP Jal Nigam Allahabad	Aggregate Test (20mm, 10mm & sant)	Dr. Priyaranjan Pal	Civil Engineering Department	15,730.00	

September-2013

1.	17.09.13	Ireon International Ltd. Raibareli	Vetting of design of RUB, RWHS etc.	Prof. A.K. Sachan	Civil Engineering Department	2,02,248.00	
2.	17.09.13	Nirman Khand-II, U.P. Jal Nigam, Allahabad	Testing of water quality of tube well	Prof. Ram Pal Singh	Civil Engineering Department	10,337.00	
3.	17.09.13	Irrigation Division Rudrapur (U. S. Nagar)	Third party inspection of work at U.S. Nagar	Prof. R. P. Tiwari	Civil Engineering Department	1,97,100.00	

4.	23.09.13	M/s Pradeep Transcore Pvt. Ltd., Naini Allahabad	Testing of slate stone	Prof. R. P. Tiwari	Civil Engineering Department	11,236.00
5.	23.09.13	M/s Sterling & Wilson Ltd. - Kolkata	Aggregate Test (40MM)	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00
6.	25.09.13	B.C.U. Chitrakoot U.P.	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	25,281.00
7.	25.09.13	Kumbh Mela, U.P. Parivahan Nigam, Alld.	Brick Test, Cube Test and Paver Block Test	Dr. Priyaranjan Pal	Civil Engineering Department	13,483.00
8.	25.09.13	U.P. Jal Nigam, Gorakhpur	Testing of Water Sample of tube wells of Gorakhpur	Prof. R. C. Vaishya	Civil Engineering Department	20,225.00
9.	30.09.13	Additional Project Manager, Allahabad Unit, Allahabad UPRNN LTD.	Desing Building	Prof. S. K. Duggal	Civil Engineering Department	1,12,360.00

October-2013

1.	10.10.13	NH-Division P.W.D., Ghazipur	Third party inspection of road works at Ghazipur	Prof. R. P. Tiwari	Civil Engineering Department	41,236.00	15,610.00
2.	10.10.13	Jal Nigam, Banda	Geotechnical Investigation for OHT at Banda	Prof. R. P. Tiwari	Civil Engineering Department	1,06,742.00	28,200.00
3.	10.10.13	M/S L&T Construction ECC Division, Extension of 400/220 KV Sub-Station Saranpur, Reewa Road, Allahabad	Aggregate Test (10,20&40 MM), Mix Desing - M25, Sand Test and Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	87,079.00	
4.	25.10.13	C&Ds (Unit-33) U.P. Jal Nigam, Allahabad	Mortar Analysis & Brick Test	Dr. Priyaranjan Pal	Civil Engineering Department	30,337.00	
5.	25.10.13	NH-Division, P.W.D. Ghazipur	Third party inspection of UPPWD, NH Ghazipur	Prof. R. P. Tiwari	Civil Engineering Department	1,91,072.00	72,950.00

November-20123

1.	02.11.13	Allahabad Central Sub Division - IV, CPWD, Allahabad	Paver Block Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,427.00	
2.	02.11.13	M/s HNB Engineers Pvt. Ltd. Duplex No.-36 Ambedkar Vihar Colony, Chauphatka, Allahabad	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	2,247.00	

3.	07.11.13	M/s Raha Water Treatment, G-1-464, Kalindipuram, Allahabad	Testing of water sample	Dr. N. R. Rawal	Civil Engineering Department	6,742.00
4.	07.11.13	P.G.C.I.L., 6th floor, Indira Bhawan, Civil Lines, Allahabad	Compressive strength of cube	Er. Vijay Kumar	Civil Engineering Department	4,495.00
5.	07.11.13	P.G.C.I.L., 6th floor, Indira Bhawan, Civil Lines, Allahabad	Compressive strength of cube	Er. Vijay Kumar	Civil Engineering Department	4,495.00
6.	07.11.13	Irrigation Division, Auraiya, Dibiyaapur	Design of abutment and piles	Prof. A.K.Sachan	Civil Engineering Department	44,944.00
7.	12.11.13	M/s R.S. Enterprises, H.No.- 162 Punjabpura, Bareilly U.P.	Mix Design - M10, M40 & WMM	Dr. Priyaranjan Pal	Civil Engineering Department	61,798.00
8.	21.11.13	Allahabad Development Authority, Allahabad	Third party inspection of works of Maha Kumbh - 2013	Prof. R. P. Tiwari	Civil Engineering Department	61,571.00
9.	21.11.13	M/s Sterling and Wilson Ltd., Kolkata	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00
10.	21.11.13	P.G.C.I.L., 6th floor, Indira Bhawan, Civil Lines, Allahabad	Standard Proctor Test	Er. Vijay Kumar	Civil Engineering Department	5,056.00
11.	26.11.13	NH Division, P.W.D. Ghazipur	Third party inspection of road works	Prof. R. P. Tiwari	Civil Engineering Department	1,24,892.00
12.	26.11.13	Temp. Division (NH), P.W.D. Sultanpur	Third party inspection of road works	Prof. R. P. Tiwari	Civil Engineering Department	9,17,139.00
13.	26.11.13	Temp. Division (NH), P.W.D. Sultanpur	Third party inspection of road works at Raibarely	Prof. R. P. Tiwari	Civil Engineering Department	13,57,028.00
14.	26.11.13	Allahabad Circle, P.W.D., Allahabad	Third party inspection of Road Work	Prof. R. P. Tiwari	Civil Engineering Department	1,13,484.00
15.	26.11.13	Allahabad Circle, P.W.D., Allahabad	Third party inspection of Road Work	Prof. R. P. Tiwari	Civil Engineering Department	4,18,614.00
16.	27.11.13	M/s L&T Construction ECC Division, Extension of 400/220 KV Sub Station, Saranapur, Reewa Raod, Allahabad	Mix Design M-25 with admixture	Dr. Priyaranjan Pal	Civil Engineering Department	5,618.00
17.	27.11.13	M/s Sangam Structural Limited, B-10 UPSIDC, Industrial Area, Naini, Allahabad	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	2,247.00

18.	27.11.13	Allahabad Development Authority, Allahabad	Site Visit & Material testing of footpath at Allahabad Jaunpur	Dr. P.K. Mehtia	Civil Engineering Department	55,056.00	
19.	27.11.13	Allahabad Development Authority, Allahabad	Site Visit & Material testing of parking area of G.H.S.	Dr. P.K. Mehtia	Civil Engineering Department	83,146.00	
20.	27.11.13	AGE (MES) Chheoki, Allahabad	Steel Bar Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00	
21.	29.11.13	MARG LIMITED, Lucknow	Geotechnical Investigation	Prof. R. P. Tiwari	Civil Engineering Department	2,24,720.00	48,150.00
22.	29.11.13	NCR, Mirzapur	Report preparation of Geotechnical Investigation of OHT	Prof. R. P. Tiwari	Civil Engineering Department	11,236.00	
23.	29.11.13	M/s Viraj Construction Pvt. Ltd., Lucknow	Geotechnical Investigation at Lucknow	Prof. R. P. Tiwari	Civil Engineering Department	3,14,608.00	77,500.00
24.	29.11.13	MES, Allahabad	Scrutiny & vetting of sewage scheme of Fort Cant Allahabad	Prof. R. P. Tiwari	Civil Engineering Department	95,506.00	
25.	29.11.13	PMGSY, PIU-I, R.E.S., Banda	Geotechnical Investigation of soils	Prof. R. P. Tiwari	Civil Engineering Department	1,79,220.00	24,000.00
26.	29.11.13	M/s Gupta Enterprises, New Delhi	Brick Test	Dr. Priyaranjan Pal	Civil Engineering Department	16,854.00	
27.	29.11.13	AGE B/R (Project), New Cant, Allahabad	Mix Design-M25 with admixture	Dr. Priyaranjan Pal	Civil Engineering Department	33,708.00	
28.	30.11.13	M/s Elegant Consulting Engineers, 9/623, Vasundhara, Ghaziabad	Proof checking of foundation & sub structural of bridge	Prof. P.K. Mehtia	Civil Engineering Department	33,708.00	
29.	30.11.13	M/s Strong Constructions, Tagore Town, Allahabad	Testing of stone Ballast	Prof. R. P. Tiwari	Civil Engineering Department	2,247.00	
30.	30.11.13	M/s S. Kumar Enterprises, Malviya Nagar, Allahabad	Testing of stone Ballast	Prof. R. P. Tiwari	Civil Engineering Department	2,248.00	

December-2013

1.	18.12.13	M/s Garrison Engineer, Air Force, Gorakhpur	Chemical Analysis of water	Prof. R. C. Vaishya	Civil Engineering Department	11,236.00	
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2.	18.12.13	Amethi Central, Sub Division-1 Amethi	Mix design M-25 with & without admixture	Dr. Priyaranjan Pal	Civil Engineering Department	61,798.00
3.	18.12.13	M/s RITES Ltd., Sector-29, Gurgaon	Mix design M-35 with admixture	Dr. Priyaranjan Pal	Civil Engineering Department	44,944.00
4.	19.12.13	WWF-India, 172-B Lodi Estate, New Delhi	River Health Assessment during Kumbh-2013	Prof. R. C. Vaishya	Civil Engineering Department	4,25,507.00
5.	19.12.13	M/s Sangam Structural Ltd., B-10 UPSIDC Industrial Area, Naini, Allid.	Mix design M-25 with admixture	Dr. Priyaranjan Pal	Civil Engineering Department	33,708.00
6.	19.12.13	Nirman Khand, PWD, Fatehpur	Ballast Testing	Dr. Shalinne Shukla	Civil Engineering Department	11,236.00
7.	19.12.13	M/s Sterling & Wilson Ltd., Kolkata	Fine Aggregate, Coarse Aggregate & Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	31,461.00
8.	19.12.13	ADA, Allahabad	Paver Block Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,180.00
9.	20.12.13	M/s Civil Group Construction, Civil Lines, Allid.	Proof checking of building	Dr. Rakesh Kumar	Civil Engineering Department	15,000.00
10.	20.12.13	M/s R.S. Enterprises, H. No. 162, Punjabpura, Bareilly	WMM Resing (Ballast Testing)	Dr. Shalinne Shukla	Civil Engineering Department	7,865.00
11.	20.12.13	ADA, Allahabad	Ballast Testing	Dr. Shalinne Shukla	Civil Engineering Department	15,730.00
12.	20.12.13	M/s Deora Electric Works, 6 Sardar Patel Marg, Allid.	Mix design M-25 with admixture	Dr. Priyaranjan Pal	Civil Engineering Department	33,708.00
13.	20.12.13	Avas Vikas Parishad, Pratapgarh	Brick, sand and mortar testing	Dr. Priyaranjan Pal	Civil Engineering Department	34,832.00
14.	20.12.13	The Project Manager, Prabhakunj, G.T. Road, Mohania	Cement Test, Coarse Aggregate and Fine Aggregate Test	Dr. Priyaranjan Pal	Civil Engineering Department	48,315.00
15.	28.12.13	Meja Urja Power Plant, Allahabad	Relative density and sieve analysis	Er. Vijay Kumar	Civil Engineering Department	3,371.00
16.	28.12.13	The Construction Manager, FANS AS Meja Site Allid.	Load Test	Prof. R.P. Tiwari	Civil Engineering Department	70,786.00
17.	28.12.13	Rites Ltd., Lucknow	Testing of soil sample	Er. Vijay Kumar	Civil Engineering Department	3,933.00

18.	28.12.13	SISSO, Tagore Town, Allahabad	Water quality testing for drinking purpose	Prof. Ram Pal Singh	Civil Engineering Department	13,483.00
19.	28.12.13	M/s Amar Engineering Co., IFFCO, Phulpur	Tri-arial test, sieve analysis and proctor test	Er. Vijay Kumar	Civil Engineering Department	11,798.00
20.	28.12.13	IVRCL Ltd., STP, Allahabad	Vetting of steel structure drawings for operating platform and support for gantry crane	Dr. Priyaranjan Pal	Civil Engineering Department	78,652.00
21.	31.12.13	M/s ACP Tollways Pvt. Ltd., B-9 Vibhuti Khand, Gomti Nagar, Lucknow	Proof checking of ROB at Ch.86+100	Dr. K.K. Shukla	Applied Mechanics Department	56,180.00

January-2014

1.	06.01.14	Unit-33, U.P. Jal Nigam, Allahabad	Aggregate Test, Steel Test & Brick Test	Dr. Priyaranjan Pal	Civil Engineering Department	64,607.00
2.	06.01.14	Kaushambi Ekai Camp Office, LBS Homeopathic Medical College, Phaphamau, Allahabad	Design suitability of foundation	Prof. A. K. Sachan	Civil Engineering Department	22,472.00
3.	06.01.14	M.E.I.L., Varanasi	Desing of CWR's and PH's	Prof. A. K. Sachan	Civil Engineering Department	30,000.00
4.	13.01.14	U.P. Avas Vikas Parishad, Vrindavan Yojana, Lucknow	Geotechnical Investigation at Lucknow	Prof. R. P. Tiwari	Civil Engineering Department	3,59,552.00
5.	13.01.14	M/s L&T Construction, Chennai	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00
6.	13.01.14	U.P. Samaj Kalyan Nirman Nigam, Allahabad	Mortar Test	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00
7.	13.01.14	P.G.C.I.L., Civil Lines, Allahabad	Field density by core cutter	Er. Vijay Kumar	Civil Engineering Department	44,944.00
8.	13.01.14	U.P.S.I.D.C. Ltd., Lowder Road, Allahabad	Site Visit	Prof. R.K. Srivastava	Civil Engineering Department	1,12,360.00
9.	16.01.14	M/s Nandi Agro Initiative, 287 Bahadurganj, Allahabad	Cube test (07&28 Days)	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00
10.	24.01.14	Meja Urja Nigam Pvt. Ltd., Allahabad	Testing of water sample	Dr. N. R. Rawal	Civil Engineering Department	5,618.00

11.	24.01.14	M/s S. N. Enviro Tech. Pvt. Ltd., F90/32 Okhla Industrial Area, Phase-I New Delhi	Geotechnical Investigation at Lucknow for STP	Prof. R. P. Tiwari	Civil Engineering Department	83,147.00
12.	24.01.14	MTPP Kodharghat, Allahabad	Testing of water sample	Dr. N. R. Rawal	Civil Engineering Department	5,618.00
13.	27.01.14	M/s L&T Construction, Chennai	Cement Test (OPC)	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00
14.	27.01.14	M/s RITES Allahabad	Steel Bar Test	Dr. Priyaranjan Pal	Civil Engineering Department	44,944.00
15.	29.01.14	IFFCO Phulpur, Allahabad	Checking & vetting of steel connection at IFFCO	Prof. S. K. Duggal	Civil Engineering Department	1,37,641.00
16.	29.01.14	Rural Engineering Services, Pratapgarh	Design of retaining wall	Prof. S. K. Duggal	Civil Engineering Department	1,12,360.00
17.	29.01.14	IVRCL Ltd., Allahabad	Heavy compaction test for soil sample	Er. Vijay Kumar	Civil Engineering Department	2,809.00
18.	29.01.14	U.P. Rajkiya Nirman Nigam Ltd., Allahabad	Pile Load Test	Er. Vijay Kumar	Civil Engineering Department	39,326.00
19.	29.01.14	M/s L&T Construction, Chennai	Sand Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00

February-2014

1.	05.02.14	Allahabad Circle, P.W. D. Alld.	Third party inspection of road work at Allahabad	Prof. R. P. Tiwari	Civil Engineering Department	2,07,484.00
2.	05.02.14	NH Division, P.W.D. Banda	Third party inspection of construction work at Banda	Prof. R. P. Tiwari	Civil Engineering Department	5,19,584.00
3.	05.02.14	NH Division, P.W.D. Banda	Third party inspection of roads at Banda	Prof. R. P. Tiwari	Civil Engineering Department	3,94,690.00
4.	05.02.14	M/s RCC Developers Limited, 109 City Centre, Meerut	Geotechnical Investigation for STP at Lucknow	Prof. R. P. Tiwari	Civil Engineering Department	47,191.00
5.	05.02.14	CD-1, UPPWD, Allahabad	Geotechnical Investigation	Prof. R. P. Tiwari	Civil Engineering Department	1,50,562.00
6.	05.02.14	M/s FANS a.s. Meja Site	Soundness of coarse aggregate test	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00

7.	06.02.14	NH Division, PWD, Banda	Third party inspection of road work at Banda	Prof. R. P. Tiwari	Civil Engineering Department	4,38,819.00
8.	06.02.14	Meja TPP, Allahabad	Grain Size Analysis and other	Er. Vijay Kumar	Civil Engineering Department	27,528.00
9.	08.02.14	U.P. Jal Nigam, Allahabad	Load test of platform	Dr. Rama Shanker	Civil Engineering Department	11,236.00
10.	08.02.14	U.P. Parivahan Nigam, Allahabad	Paver block test and bitumen test	Dr. Rama Shanker	Civil Engineering Department	13,483.00
11.	12.02.14	Chinmaya Tapovan Trust, Sidhbari, Himanchal Pradesh	Building structure design	Prof. S.K. Duggal	Civil Engineering Department	3,37,080.00
12.	17.02.14	Project Execution, EPD Gurgaon	Coarse Aggregate Test (40MM)	Dr. Priyaranjan Pal	Civil Engineering Department	14,607.00
13.	17.02.14	Project Execution, EPD Gurgaon	Coarse Aggregate Test (20MM)	Dr. Priyaranjan Pal	Civil Engineering Department	14,607.00
14.	17.02.14	Project Execution, EPD Gurgaon	Coarse Aggregate Test (10MM)	Dr. Priyaranjan Pal	Civil Engineering Department	14,607.00
15.	17.02.14	Project Execution, EPD Gurgaon	Sand Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00
16.	18.02.14	M/s L&T Construction, Chennai	Coarse Aggregate Test	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00
17.	18.02.14	M/s L&T Construction, Chennai	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	17,978.00
18.	18.02.14	ADA, Allahabad	Cube, Sand and Aggregate Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00
19.	18.02.14	M/s Aditi Construction, Lucknow	Mix design (M-20, M-25, M-30 & M-35)	Dr. Priyaranjan Pal	Civil Engineering Department	1,23,596.00
20.	18.02.14	NBCC Ltd., I.T.B.P. Works, Allahabad	Third party inspection of structures by NDT test including site visit	Dr. Priyaranjan Pal	Civil Engineering Department	1,12,607.00
21.	19.02.14	M/s Sangam Structural Ltd., B-10, UPSIDC Industrial Area, Naini, Allahabad	Cube test	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00
22.	19.02.14	M/s L&T Construction, Chennai	Coarse Aggregate Test	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00

23.	19.02.14	M/s L&T Construction, Chennai	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00	
24.	19.02.14	M/s L&T Construction, Chennai	Fine Aggregate Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00	
25.	19.02.14	U.P. State Bridge Corporation Ltd., Allahabad	Steel bars test	Dr. Priyaranjan Pal	Civil Engineering Department	17,978.00	
26.	20.02.14	Mr. Vibhash Jaiswal, JWIL-SSIL-JV, New Delhi	Vetting of structural desing of intake well	Prof. A. K. Sachan	Civil Engineering Department	20,000.00	
27.	25.02.14	Mr. Narendra Kumar Gupta, Sadar Road, Karwi, Chitrakoot	Hydraulic design of 7 MLD treatment plant at obra	Prof. Ram Pal Singh	Civil Engineering Department	20,000.00	
28.	25.02.14	M/s L&T Construction, Chennai	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,742.00	
29.	25.02.14	M/s Crompton Greaves, Gurgaon	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	8,989.00	
30.	25.02.14	PWD, Gyanpur, Bhadohi	Cube test	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00	
31.	25.02.14	Nagendra Pratap Singh, 93-D/2, Sohbatia Bagh, Allahabad	Mix design M-35	Dr. Priyaranjan Pal	Civil Engineering Department	44,944.00	
32.	26.02.14	NCR, Fatehpur	Geotechnical Investigation	Er. Vijay Kumar	Civil Engineering Department	51,686.00	15,560.00
33.	26.02.14	M/s L&T Construction, Chennai	Coarse Aggregate Test	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00	
34.	26.02.14	M/s Megha Engineering & Infrastructures Ltd., Varanasi	Design of 1700KL OHT	Prof. A. K. Sachan	Civil Engineering Department	25,000.00	
35.	26.02.14	Bansagar Nahar Nirman Khand-2, Mirjapur	Mix design M-20	Dr. Priyaranjan Pal	Civil Engineering Department	28,090.00	
36.	28.02.14	Gyanpur Canal Division, U.P. Irrigation Department, Bhadohi	Geotechnical Investigation	Prof. R. P. Tiwari	Civil Engineering Department	47,191.00	
37.	28.02.14	M/s Bridge and Roof Co. (I) Ltd., NTPC Meja, Allahabad	Density of sand and sieve analysis of sand	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00	
38.	28.02.14	Prayagraj Power Generation Company Ltd., Allahabad	Cement Test	Dr. Priyaranjan Pal	Civil Engineering Department	15,730.00	

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1.	06.03.14	RITES LTD., Regional Project Office, Lucknow	Testing of water sample	Dr. N. R. Rawal	Civil Engineering Department	11,236.00
2.	06.03.14	Meja TPP, Allahabad	Grain size analysis and other testing	Er. Vijay Kumar	Civil Engineering Department	25,281.00
3.	06.03.14	M/s Rudra Navnirman P. Ltd., Gayatri Dhaam, Milan Square, Civil Lines, Allahabad	Third party checking of structures by NDT Test	Dr. Priyaranjan Pal	Civil Engineering Department	1,17,978.00
4.	07.03.14	DGM/ALLD., Beside Desing Centre, MNNIT, Allahabad	Testing of waste water sample	Prof. Ram Pal Singh	Civil Engineering Department	18,877.00
5.	07.03.14	Ground Water Department, Allahabad	Preparation of rainwater harvesting in overexploited block	Dr. H. K. Pandey	Civil Engineering Department	49,438.00
6.	07.03.14	Allahabd Terminal, IOCL, Subedarganj, Allid.	Determination of optimum moisture content and maximum dru desity	Er. Vijay Kumar	Civil Engineering Department	2,247.00
7.	12.03.14	Meja TPP, Allahabad	Testing of water sample	Dr. N. R. Rawal	Civil Engineering Department	5,618.00
8.	12.03.14	Kamla Nehru Memorial Hospital, Allahabad	Testing of water	Dr. N. R. Rawal	Civil Engineering Department	5,618.00
9.	12.03.14	M/s L&T Construction, Chennai	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	4,494.00
10.	12.03.14	M/s L&T Construction, Chennai	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,742.00
11.	12.03.14	M/s L&T Construction, Chennai	Cube Test	Dr. Priyaranjan Pal	Civil Engineering Department	6,742.00
12.	12.03.14	ADA, Allahabad	Mortar Test	Dr. Priyaranjan Pal	Civil Engineering Department	11,236.00
13.	12.03.14	M/s M. G. Contractors P. Ltd., Haryana	Cement, Coarse Aggregate and sand test	Dr. Priyaranjan Pal	Civil Engineering Department	39,326.00
14.	12.03.14	IOCL, Terminal, Allid.	Field density of soil	Er. Vijay Kumar	Civil Engineering Department	15,730.00

15.	21.03.14	NCR, Allahabad	Geotechnical Investigation report & vetting	Prof. R. P. Tiwari	Civil Engineering Department	11,236.00	
16.	21.03.14	The National Academy of Science India, Katra, Allahabad	Testing of water sample	Dr. N. R. Rawal	Civil Engineering Department	16,854.00	
17.	21.03.14	Nirman Khand-3, PWD, Mainpuri	Mix design M40 with admixture	Dr. Priyaranjan Pal	Civil Engineering Department	56,180.00	
18.	25.03.14	U.P. Jal Nigam, Lucknow	Brick Test & Mortar Test	Dr. Priyaranjan Pal	Civil Engineering Department	37,641.00	
19.	25.03.14	Meja TPP, Allahabad	Grain size analysis and other testing	Er. Vijay Kumar	Civil Engineering Department	27,528.00	3,600.00
20.	25.03.14	U.P. Jal Nigam, Gorakhpur	Potability testing of tubewell waters	Prof. R.C. Vaishya	Civil Engineering Department	13,483.00	
21.	25.03.14	U.P. Jal Nigam, Gorakhpur	Potability testing of tubewell waters	Prof. R.C. Vaishya	Civil Engineering Department	6,742.00	
TOTAL						2,05,47,110.00	22,12,190.00

ANNEXURE-9**Innovative Research Project sanctioned through office of the Dean (R&C) during the period 2013-2014 and financially support by TEQIP-II funds**

S. N.	Name of the faculty members	Project/Thesis Title	Name & Reg. No of students	Supported Amount (₹)
1	Dr. A.R.Paul, AMD	Ph.D Thesis on Wall Shear Strees Investigation in Air-intakes	Mr. Sanjeev Kumar Gupta,(2013RAM01)	2,00,000.00
2	Prof.K.M.Gupta, AMD	M.Tech Thesis on Fabrication & Characterisation of Bio-composites using the Fibre-Grewia Optiva	Mr. Kishor Kalauni,(2012MT05)	18,850.00
		M.Tech Thesis on Fabrication & Characterisation of Human hair and polypropylene composites	Mr. Sanjeev Kumar (2012MT05)	15,950.00
		M.Tech Thesis on Fabrication & Characterisation of Hybrid composites using Banana fibres and Banana leaf, with Epoxy matrix	Mr. Saurabh Kumar	17,950.00
3	Dr.S.J.Pawar, AMD	M.Tech Thesis on Modeling & simulation of acoustic performance of room	Mr. Amit Kumar Singh Chauhan,(2012MT17)	77,000.00
		M.Tech Thesis on Fabrication & Characterisation on Banana fibre reinforced composite	Ms.Ujjwala Pandey,(2013MT01)	96,000.00
		Ph.D Thesis on Fabrication , testing and simulation of Glass-Polymer film laminated hybrid composite	Mr. Ajitanshu Vedrtnam,(2013RAM04)	1,18,000.00
4	Prof. Anuj Jain AMD	M.Tech Thesis on Synthesis & Characterisation of ferrite	Mr. Kaushal Vaishnav,(2012MT13)	48,000.00
		Ph.D Thesis on Studies on ferrite based circulators	Mr.Zeeshan Vakil,(2009RAM01)	1,46,500.00
5	Dr.V.Murari, AMD	M.Tech Thesis on Characterisation of fracture toughness of sandwich	Mr. Saood Ali,(2012MT09)	1,10,500.00
		M.Tech Thesis on Miniaturization of test specimen of composites	Mr. Avanes,(2012MT04)	1,00,000.00
6	Dr.R.P.Tewari, AMD	M.Tech Thesis on Bio-Materials,Design & Development of low cost Lumber Spine Implant	Ms. Namrata,(2012MT06)	1,91,550.00
		M.Tech Thesis on Design of low cost Force Plate for Gait Studies	Ms. G. Ravali, (2012BM04)	73,600.00
			Total	12,13,900.00

7	Dr. Shivesh Sharma, BTD	B.Tech project on To increase efficacy of wastewater treatment process using algae	Mr. Anupam Agarwal (2010091) and Mr. Solving Kumar Singh (20100039)	37,000.00
		M.Tech Thesis on Study of rhizospheric interaction for sustainable agriculture	Mr. Shobhit Verma, (2012BT10)	1,12,000.00
8	Dr. Anjana Pandey, BTD	B.Tech project on Amplification of fdhF/hyd-A gene and over expression in suitable microbial strain for increased hydrogen production	Ms. Swikriti Saran (20100081) and Mr. Prabhat Kumar, (20100053)	40,000.00
		M.Tech Thesis on Study of biochemical and molecular marker under biotic and abiotic	Ms. Alka Kumari (2012BT06) M.Tech	40,000.00
9	Dr. N.K. Singh BTD	B.Tech project on Genetic transformation and mutation in plant for industrial application	Ms. Meghna Shah, and Mr. Akash Kumar	50,000.00
		M. Tech Thesis on study to degree and direction of mutation frequency for genetic variability and quality improvement Basmati Rice	Ms. Deepa Sachan (2012BT07)	75,000.00
10	Dr. A. K. Rai, BTD	B. Tech project on assessment of parasitocidal activity of Agave sisilana (Ramban) on L. donovani	Mr. Dinesh Kumar Jaiswal (20100090) & Mr. Alok Singh (20100093)	37,000.00
		M. Tech Thesis on Study to determine pathway (S) involved in suppression of cytokine signalling among microphages infected with L. Donovani	Mr. Adarsh Kumar Chiranjivi (2012BT02)	37,000.00
11	Dr. Vishnu Agarwal BTD	B. Tech project on prevention of microbe biofilms using nano-praticle mediated drug delivery	Mr. Rajneesh Pratap Singh (20100078) and Mr. Avaneesh Kumar (20100075)	52,387.00
		M. Tech Thesis on inhibition of bacterial quorum sensing using herbal oils and efficacy of sinnamon against bacterial quorum sensing biofilm formation	Mr. Vivek Kumar Yadav (2012BT03) and Mr. Sharad Yadav (2012BT12)	58,400.00
12	Dr. Seema Nara, BTD	B. Tech project on validation of immunochromatographic strip test for bacterial detection in water samples	Mohd. Zeeshan (20100084) and Mr. Prashan Kumar Pal (20100015)	38,700.00
		M. Tech. Thesis on toxicity assesment of gold nanotubes synthesized using biological method and "Toxicity assesment	Mr. B. Navyatha (2012BT13) and Mr.	74,000.00

		of gold nanotubes synthesized using chemical method	Randheer Kumar (2012BT05)	
13	Dr. Sameer Srivastava, BTD	B. Tech project on Expression analysis of abiotic stress induced genes from low phytic acid producing rice M3 lines	Mr. Divyanshu Srivastava and Mr. Deepak Kumar	35,500.00
		M. Tech Thesis on Heterologous Expression of phenylpropanoid biosynthetic pathway genes in E.coli	Mr. Khekali H. Awami (2012BT08)	38,500.00
14	Dr. Manisha Sachan, BTD	B. Tech project on Expression analysis of denovo and maintenance methylases genes during mammalian development	Mr. Upendra Kumar Yadav (20100027) and Ms. Priyanka Gond (20100094)	82,000.00
		M. Tech Thesis on genetic and epigenetic studies of survivin genes in ovarian cancer in Indian Population	Mr. Aditya Kanwal (2012BT09)	78,000.00
15	Dr. Sanjay Kumar, BTD	M.Tech. Thesis on Influence of electrode materials on bio electricity generations from microbial fuels cells	Mr. Krishan H.Bhardwaj (2012BT11)	75,000.00
16	Dr. Radha Rani, BTD	B.Tech.project on Isolation and generations	Mr. Ajay Singh Yadav and Mr. Parth Gupta	50,000.00
		M.Tech. Thesis on Isolation and Characterization of macro-organisms from mining areas for their potential application in eco-restoration of mine dumps	Mr. Abhay Partap Singh (2012BT01)	50,000.00
17	Dr. Ashotosh Mani, BTD	B.Tech.project on Isolation, cloning and sequencing of cold shock protein from chickpea	Ms. Devika Mathur, Mr. Rishij Agarwal and Mr. Raj Kumar Meena	37,500.00
		M.Tech. Thesis on Characterization cold shock protein in chickpea by nucleic acid binding studies	Ms. Pratibha Bhadauria(2012BT04)	37,500.00
18	Dr.Sangeeta Negi, BTD	M.Tech. Thesis on process Development for the Biosurfactant production from locally isolated microbes	Ms. Gunjan Gautam (2012BT14)	74,989.00
			Total	12,10,476.00
19	Dr. Arvind Kumar ECED	B.Tech. project on Prototype model design for anti-collision transport system	Dr. Sushil Pratap Bharti (20105145), Ms. Vertika Kuswaha (20105060) Mr. Suraj. Mahto (20105143)	1,22,900.00
			Total	1,22,900.00
20	Prof. Ravindra K. Singh,	M.Tech. Thesis on design of switched reluctance Motor	Mr. Naveed Suhail	1,26,000.00

	EED		(2010PE06)	
21	Prof R. K. Triphati, EED	Ph.D. Thesis on switched reluctance Motor Drive for Electric Vehicle Application	Mr. Jhumar Lal Beniwal (2010REE04)	1,50,000.00
		Ph.D. Thesis on Modleing and Controller design for CSC based STATCOM	Mr. Sandeep Gupta (2010REE51)	1,00,000.00
		Ph.D. Thesis on Stand-alone DFIG based wind energy conversion system	Mr. Rishabh Dev Shukla (2009REE08)	1,00,000.00
22	Dr. Rajesh. Gupta EED	Ph.D. Thesis on Sliding mode control of switching power converters	Mr. G.V.S.Satish Kumar (2011REE07)	2,00,000.00
23	Dr. Paulson Samuel EED	Ph.D. Thesis on Implement ion of embedded controller for multilevel inverter	Mr. Akbar.Ahmad (2013REE07)	2,05,000.00
24	Dr. S. R. Mohanty EED	Ph.D. Thesis on Harmonic and inter Harmonic estimation and mitigation in wind power plants	Mr. Sanjay Agarwal	2,03,000.00
			Total	10,84,196.00
25	Dr. M. Siraj Alam CHED	B.Tech.project on Analysis of convective heat transfer rate with nanofluids on modified surface	Ms. Gargi.Agrahari (20109058), Mr. Yazdam Khan (20100045) Mr.Harshit Arya(20109023) Mr.Akshat Pancholi (20109044)	1,20,000.00
		Ph.D. Thesis on Treatment of heavy metals from waste water using nanofibres	Ms. Abhilasha Dixit (2011RCL01)	1,30,000.00
26	Dr. Sadhana Sachan CHED	B.Tech.project on Removal of hazardous contaminants from industrial waste water through coagulants and electro coagulation	Ms. Rubi Gupta (20100056), Mr. Sachin Saurav (20109008), Ms. Renu Singh (20100031) Mr. Rishabh Singh (20109003)	1,10,000.00
		Ph.D. Thesis on Synthesis and Characterization of polymer clay composite membranes	Mr. Shailendra Kumar Panday (2010RCL01)	1,40,000.00
27	Dr. Ankur Gaur CHED	Ph.D. Thesis on Role of Ionic liquids in Co2 capture from flue gas.	Ms. Anju Kumari (2013RCL02)	2,00,000.00

28	Dr Sushil Kumar, CHED	B.Tech project on recovery of Iso-nicotinic Acid from Aqueous solution	Mr Sumat Kumar, Mr Kishori Lal saini, Mr Rohit kumar, Mr Neeraj Kumar	1,10,000.00
		Ph.D Thesis on Biochemical Nanoparticles for Targeted Drug Delivery	Ms Tanvi Jain (2013RCL01)	1,90,000.00
			Total	10,00,000.00
29	Prof R.K. Srivastava, CED	Ph.D Thesis on Land contamination : Risk Assessment & Remediation	Ms Sneha Gupta (2013RCE01), Ph d	2,50,000.00
30	Prof R.P Singh, CED	Ph.D Thesis on Land on Dynamics of pesticides Transport & its Toxicity in potato plant	Ms Raginee Devi (2013RCE01)	2,50,000.00
31	Prof R.P Tiwari, CED	Ph.D Thesis on Electrokinetic Remediation of cadmium contaminated soil	Ms Arti Alok, (2007RCE04), Ph.D	1,00,000.00
32	Dr Varun Singh, CED	B.Tech project on shortest path analysis of the transport network using swarm optimization	Mr Rupendra Kumar sharma (20100035) Mr Shashank Upadhyay (20101019) Mr Abhay Mishra (20109034) Mr Sumit Kumar (20101078)	2,80,000.00
			Total	8,80,000.00
33	Prof P.K. Dutta, Chemistry	Ph.D Thesis on Chitosan coated quantum dots for biomedical applications: synthesis, characterization and evaluation	Mr Hridayesh Kumar (2010RCH05)	1,75,000.00
34	Prof N.D. Pandey Chemistry	Ph.D Thesis on synthesis and characterization of modified metal alkoxides based on Ti, Sn, Nb, and Ta for corresponding metal oxides nanomaterials	Ms Subia Ambreen (2010RCH06)	1,65,000.00
35	Prof S.S Narvi, Chemistry	Ph.D Thesis on synthesis and characterization on organic – inorganic hybrid materials based on metal complexes and polyoxometalates	Mr Shiva Arun (2010RCH53)	1,60,000.00
36	Dr G.K Mehrotra, Chemistry	Ph.D Thesis on synthesis of MOF derived nanoporous carbon materials	Ms Ekta Gupta (2013RCH01)	1,60,000.00
37	Dr Ashutosh Pandey, Chemistry	Ph.D Thesis on microwave assisted synthesis of nano materials	Ms Arti Chauhan (2013RCH52)	1,65,000.00

38	Dr Tamal Ghosh, Chemistry	Ph.D Thesis on synthesis and recognition properties of sensors for charged analytes	Mr Yadvendra Singh (2010RCH57)	1,60,000.00
			Total	9,85,000.00
			Grand Total	64,96,472.00

S. N.	Name of the faculty members	Project/Thesis Title	Name & Reg. No of students	Supported Amount ()
1	Prof. R.k. Srivastav, MED	B.Tech Project on to Design and install a micro wind turbine M.Tech Thesis on power harvesting from vibrational energy using piezoelectric material	Mr Prateek Singh Chauhan(201030026) Mr Shivam Mishra(20103119) Mr Roopendra Chaurasia(20104037) Mr Rahul Yadav(20103012) Ms Kapila Elkaduwe Mr Dew Deep Kumar Singh (2012DN09)	21,500.00 10,000.00
2	Prof. Vinod Yadav, MED	B.Tech Project on development and experiment study of electrical discharge surface grinding M.Tech Thesis on Experimental of Travelling wire Electro chemical spark machining (TW-ECSM) of composite material	Mr Sunil Kumar Gangwar (20103067)Mr Sudhir Sahu (20103094)Shashank srivastava (20103117)Mr Rupesh Kumar Maharan (20103133)Mr Vaibhav Mishra (20103075) Mr Mahendra Pratap (2011PTPR06)	49,900.00 16,700.00
		Ph.d Thesis on Development and experimental study of sinking electro chemical spark machining for Advanced Engineering materials	Mr Vivek Kumar (2013RME10)	1,33,000.00
3	Prof. K.N. Pandey, MED	Phd Thesis on Mmodeling and optimization of process parameters for thermal barrier coating with top coat by sol-gel technique Ph.d Thesis on corrosion fatigue of buried high pressure transportation pipelines under high and low Ph conditions Ph D Thesis on Behaviour of dissimilar maerial welded by friction stir welding under cycle loading	Mr Dipak Kumar (2010RME03) Mr Rajendra Prasad Mishra (2010RME07) Mr Suresh Kumar Gupta(2010RME53)	76,080.00 74000.00 30,000.00

4	Dr Rajeev Srivastava, MED	B.Tech project on design and development of mechatronic controlled aircraft prototype	Mr Shashank Shekhar (20103058)Mr Vinayak Tiwari (20101039)Mr Vikas Nirranjan (20103074)Mr Usamah Babib (20104117)	1,00,410.00
		M.Tech Thesis on development and studies of centrifugal casting setup	Ms Kirti Kanaujiya (2012PR03)	56,000.00
		Ph D Thesis on material modeling and fabrication of smart structures with piezoelectric patches	Mr Samshul Haq (2012RME01)Mr Saurah Kumar (2010RM04)	72,000.00
5	Dr Aadesh Nayaran, MED	M.Tech Thesis on modeling and optimization of surface grinding process	Mr Ramesh Kumar (2011PTRP02)	44,500.00
		Ph D Thesis on development, modeling and optimization of micro EDM drilling process	Mr Param singh(2013RME06)	97,500.00
6	Dr Rahul Dev, MED	M.Tech Thesis on Design, Fabrication and performance of modified basin type multi wick solar desalination systems	Mr Suresh Kumar (2012DN13)	92,380.00
7	Mr Binayak Nahak, MED	M.Tech Thesis on Product characterization and stimulation of Alloy (Ti) using sheet hydro forming setup	Mr Traun Bhardwaj (2012PR10)Mr Pushpendra singh chauhan (2012PR12)	65,000.00
8	Dr Jagdish Chandra, MED	B.Tech project on Design and development of flying Robots for real time experiments	Mr Ankit Srivastava (20103048)Mr Aditya Ritesh (20104083)Mr Amran Attanayake (20103139)Mr Devam Srivastava (20103059)Mr Devendra Singh (20103046)	82,000.00
			Total	10,20,970.00

Sl. No.	Name of the Faculty Members	Title of Project	Name of Department	Amount
1	Prof. A.K. Singh	Ph.D. Thesis on "Vehicle routing and scheduling in solid waste collection systems using GIS Technology"	Mr. Yadvendra Pratap Singh (2013 RGI 01)	3,00,000.00
		Ph.D. Thesis on "Geospatial system for integrated watershed management and sustainable development of Vindhyanchal region"	Ms. Anubha Topno (2010RGI 01)	2,90,000.00
2	Dr. Varun Singh	Ph.D. Thesis on " Formalization, modelling and geo-simulation of emergency response of fire department of Allahabad city"	Mr. Mainak Bandyopadhyay(2012RGI02)	2,60,000.00
3	Mr. Ramji Dwivedi	M. Tech Thesis on "A study on monitoring of vertical motion using GPS"	Mr. Vineet Singh, (2012GI21)	80,000.00
		M. Tech Thesis on "A study of recurring mass movements using Sta MPs technique"	Mr. Ashutosh Tiwari (2012GI18)	70,000.00
			Total :	10,00,000.00

Sl. No.	Name of the Faculty Members	Title of Project	Name of Department	Supported Amount ()
1	Dr. Sushil Kumar, CHED	“Extraction of metals ions from aqueous liquid (green solvents)”	Chemical Engineering	3,70,000.00
2	*Dr. Anjana Pandey	“Isolation and characterisation of H2 producing microbes & optimization of pretreatment procedures for solubilisation of / lignocellulosic wastes”	Biotechnology	5,00,000.00
3	*Dr. Ashutosh Mani	“Comparative study on microarray based expression profiling of transcriptome for revealing the mechanism of heavy metal toxicity tolerance in plants”	Biotechnology	5,00,000.00
4	*Dr. Radha Rani	“Rhizoremediation of heavy metal contaminated soil”	Biotechnology	5,00,000.00
5	*Dr. Ambak Kumar Rai	“Study to investigate the function of CD6 on acute T cell lymphoblastic leukemia”	Biotechnology	5,00,000.00
6	*Dr. Sameer Srivastava	“Engineering of heterologous biosynthetic pathway in E coli for over production of lignans”	Biotechnology	5,00,000.00
7	*Dr. Sanjay Kumar	“Bioelectricity generation from waste using microbial fuel cells”	Biotechnology	5,00,000.00
8	Dr. Shweta Tripathi	“Fabrication of nanostructured bioelectrode”	Electronics & Communication	3,54,200.00
9	Dr. Yogendra Kumar Prajapati	“Design of bio-sensors using metal clad for sensing application”	Electronics & Communication Engg.	3,00,000.00
10	Dr. P. Karuppanan	“Embedded FPGA controller based active power line conditioners for industrial electronics”	Electronics & Communication Engg.	5,33,000.00
11	Mr. Vishwajeet Pratap Singh	“Risk based assesment of contaminated soil and remediation selection protocol”	Civil Engineering	5,00,000.00
	Total :			50,57,200.00

The Conferences/ Seminar/ Workshop/ Short Term Courses completed under TEQP-II during F/y 2013-2014

S. No.	Title of Programme	Type of Programme	Conducted by	Name of Department	Recommended sanction amount as per norms. (₹)	Date of event
1.	Workshop on Pedagogy	Workshop	Prof. R. K. Srivastata, Prof. Rjeev Tripathi Prof. Anuj Jain Dr. G. P. Shahu	Institute	348000.00	6-7 June, 2013
2.	Aviskar-2013	Personality Development Programme	Dr. Shivesh Sharma, Convener	Institute	1500000.00	Oct, 2013
3.	International conference of Health, Environment and Industrial Biotechnology	International Conference	Dr. Shivesh Sharma, Convener	Institute	1300000.00	Nov, 21, 2013
4.	Workshop on scientific contributions of Dr. Jagdish Chandra Bose & Acharya Prafulla Chandra Ray	Workshop	Dr. Naresh Kumar, Physics Dr. Basant Kumar, ECED Dr. Shweta Tripathi, ECED	Institute	400000.00	23-24 Dec, 2013
5.	National level Industry-Institute Symposium on Turbomachines	National Workshop	Anuj Jain	AMD	200000.00	18-Jan, 2014
6.	Workshop on Intellectual Property Right	Workshop	Prof. Geetika, SMS Dr. P. R. Paul, CED Prof. H. N. Kar, ECED	Institute	405000.00	30-31 Jan, 2014
7.	National conference on "Dimensions of Public Policy and Rural Development"	National Conference	Dr. Rajesh Kumar Shastri and Dr. Ravindra Tripathi	HSS	200000.00	March 08-09, 2014
8.	National Seminar on "Energy Auditing and Climate Change Mitigation"	National Seminar	Ravi Prakash	MED	200000.00	Apr 12-13, 2014
9.	Short term course "Microelectronic Device Modeling & TCAD Simulation"	Short Term Course	R.A. Mishra, Shweta Tripathi and S.K. Gupta	ECED	100000.00	14 th -18 th April, 2014
10.	National workshop on advanced	National Workshop	H.N.Kar Head-ECED,	ECED	199500.00	19-24 May-2014

	VLSI,Signal processing and Communication network (AVSC-2014)		Prof. Rajeev Tripathi, Dr.P.Karuppanan and Mr S. K.Gupta				
11.	Revised proposal for organizing Short term course on "Application of soft computing Methods in Engineering (ASCME 2014)"	Short Term Course	Dr. Manish Gupta & Dr.K.K.Mishra	MED	100000.00	May 26-30, 2014	
12.	Workshop on Major Natural Disasters And Their Management	National Workshop	Prof. Rampal Singh	CED	200000.00	May,29-31, 2014	
13.	Short term course on "Structural Integrity"	Short Term Course	D.K. Shukla & K.N. Pandey	MED	100000.00	June 16-20,2014	
14.	Short term course on "Software Application for Analysis and Design in Civil Engineering (SAADCE-2014)	Short Term Course	A.K.Sachan, Rama Shanker and Varun Singh	CED	100000.00	June 16-27,2014	
15.	National Workshop on Advances in Wireless and Optical Networks (AWON-2014)	National Workshop	Prof. H.N.Kar Head-ECED, Prof. Rajeev Tripathi, Dr. Y.K.Prajapati and Dr. Arun Prakash	ECED	199600.00	23-28 Jun-2014	
16.	Workshop on "Information Security and Computer Forensics (WISCF-2014)"	National Workshop	Prof. R.S. Yadav	CSED	191400.00	June 23-28,2014	
17.	Workshop on "Advanced Computational Fluid Dynamics (CFD)"	National Workshop	Anuj Jain & Akshoy Ranjan Paul	AMD	200000.00	June 28-July 02,2014	
18.	Short term course "Earthquake Resistant Desing & Detailing of Structures (ERDDS-2014)"	Short Term Course	A.K. Sachan, Rama Shanker and Rakesh Kumar	CED	100000.00	30 June-04 July-2014	
19.	Workshop on "MATLAB and LaTeX: Simulation with Documentation (SIMDOC-2014)"	National Workshop	Suneeta Agarwal	CSED	107800.00	June 30-05 July, 2014	
20.	Short term course "Concrete Bridges- Analysis & Design (CBAD-2014)"	Short Term Course	A.K. Sachan, P.K. Mehta and Rakesh Kumar	CED	100000.00	07-11 July-2014	
21.	Short term course on "Bio-Inspired and Geo-Spatial Techniques (BIOGEOS-2014)	Short Term Course	R.M.Singh and Varun Singh	CED	100000.00	July 14-18,2014	




**The Faculty Members attended Training on Management Capacity Enhancement for Administrators under
TEQIP-II**


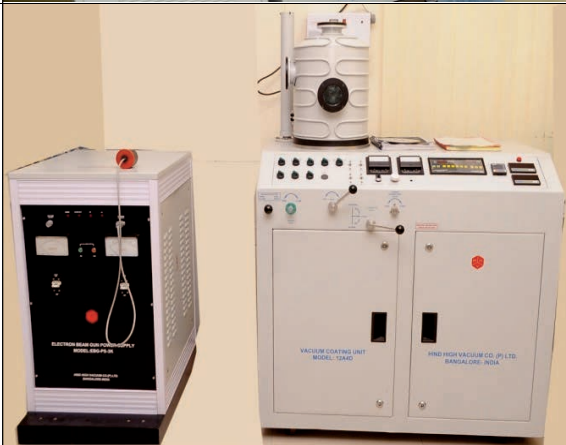


S. No.	Name of faculty member	Name of Department
1.	Dr. Asheesh K. Singh	EED
2.	Prof. R. K. Tripathi	EED
3.	Prof. R. K. Singh	EED
4.	Prof. A. D. Bhatt	AMD
5.	Dr Sushil Kumar	Chemical Engg.
6.	Dr. Harindra Singh	Chemical Engg

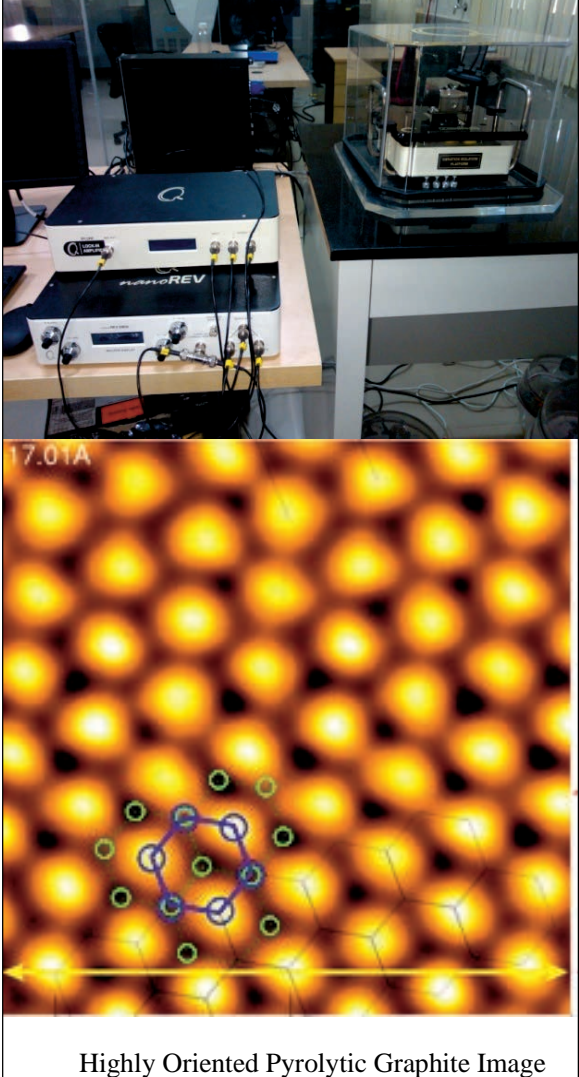

ANNEXURE-10




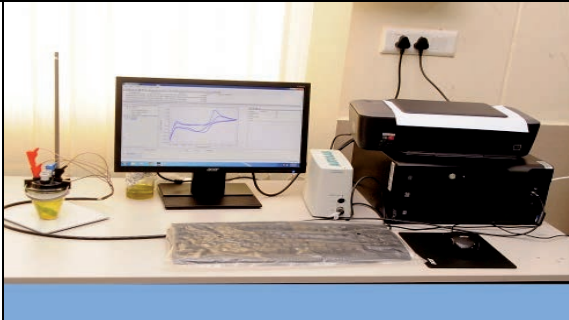
Following experimental facilities have been created in CIR

A. Experimental facilities functioning in CIR

<p>1.</p>	<p>X-ray Diffractometer Make: RIGAKU, Model: Smart lab 3KW Applications: Crystal lattice parameters, Crystal orientation, Particle /por-size analysis, Nano Structural Analysis, Residual Stress determination, Thin Film analysis, Reflectivity Thickness and Roughness measurements, Rocking Curve and Reciprocal Space Mapping.</p>	
<p>2.</p>	<p>Scanning Probe Microscopy (SPM) Make: Agilent Model: Agilent 5500 Applications: It is used to investigate sample properties at or near the sample surface; that is, immediately beneath the surface (typically several nanometers deep) and immediately above the surface (typically several tens of nanometers high).</p>	
<p>3.</p>	<p>Pulsed Laser Deposition Make:Quanta System DNA Laser Technology Model:IEC/EN 60825-1:2007 Applications: For the synthesis of oxide thin films and nanostructures</p>	

4.	<p>RF/ DC Sputtering System</p> <p>Make: Hind Hivac Systems Model: PS 2000 Applications: For the synthesis of oxide thin films and nanostructures.</p>	
5.	<p>Vacuum Coating Unit</p> <p>Make: Hind Hivac system, Model:12A4-D Application: Versatile coating system, used to deposit thin, homogenous, uniform, pure film coatings of various metals to achieve controlled effects in applications like optics, electronics, materials, thin film coating etc.</p>	
6.	<p>Spectroscopic Ellipsometer</p> <p>Make: J.A. Wollam Co. Inc., Model: V-VASE Applications: Used for the measuring various parameters of thin films namely Optical constants, film thickness (single of multiple layers), Doping concentration, Surface and interfacial roughness etc.</p>	
7.	<p>Fluorescence Spectrometer</p> <p>Make: Perkin Elmer, Model: LS-45 Applications: Used in various application like fluorescence, phosphorescence, chemi - or bioluminescence.</p>	

<p>8.</p>	<p>Scanning Tunnelling Microscope (STM) Make: Quazar Technologies Model: nanoREV Applications: Used for imaging surfaces at the atomic level</p>	 <p>17.01A</p> <p>Highly Oriented Pyrolytic Graphite Image</p>
<p>9.</p>	<p>Semiconductor Parameter Analyser Make: Agilent Technologies Model: B1500A Applications: To measure various parameters of semiconducting materials.</p>	

<p>10.</p>	<p>Programmable Spin Coater Make: APEX Instruments Model: Spin NXG-P2 Applications: Spin coating is used for many applications where relatively flat substrates or objects are coated with thin layers of material.</p>	
<p>11.</p>	<p>Scanning Electron Microscopy (SEM) with Micro universal testing machine (Micro UTM) Make: ZEISS (SEM), GATAN (UTM) Model: EVO MA 5 Micro Test 5000W Tensile Stage Module: 5000 N load cell Applications: To conduct Tensile and compression tests of Nanocomposites, composites, metals, polymers, etc. at room temperature.</p>	
<p>12.</p>	<p>Ultra Pure Water Purification System (Milli-Q) Make: MILLIPORE, Model: Integral 3 Applications: Milli-Q are capable of producing water pure enough to get reproducibility and accuracies within parts per million.</p>	
<p>13.</p>	<p>Electrochemical Analyzer Make: AUTOLAB, Model: AUT40869 Applications: Used for most of the standard electrochemical applications.</p>	

- B. In addition to the above, some more highly sophisticated equipments namely Optical Table, Particle Size Analyser (Microtrac), Thin Film Deposition System, Three Stack Furnace are in the process of shipment and will be installed shortly.
- C. The facilities created in CIR have been extensively used by the B.Tech, M.Tech. Ph.D. Students and faculty members of different Departments since their installation
- D. CIR has also contributed for the publication of following research papers
1. Sumit Vyas, Kumar Shubham, Rohit Tiwary and P. Chakrabarti, "Study the Target effect on the Structural, Surface and Optical properties of TiO₂ Thin Film Fabricated by RF Sputtering Method", Accepted in Superlattices and Microstructures
 2. Shashikant Sharma, Sumit Vyas, C. Periasamy and P. Chakrabarti, Structural and optical characterization of ZnO thin films for optoelectronic device applications by RF sputtering technique Volume 75, November 2014, Pages 378–389, Superlattices and Microstructures.
 3. Pushpa Giri, Chhaya , Sumit Vyas and P. Chakrabarti, “Comparative studies on the Characteristics of ZnO thin films deposited by single-step and two step method using RF-sputtering”, Accepted in International Conference on Devices, Circuits and Communications , September 12-13, 2014, Bit Mesra
 4. Sumit Vyas, Rohit Tiwary, Kumar Shubham and P. Chakrabarti, “Characterization of TiO₂ thin films by RF-sputtering method”, Accepted in International Conference on Devices, Circuits and Communications, September 12-13, 2014, Bit Mesra
 5. Sumit Vyas, Shaivalini Singh and P. Chakrabarti, “Deposition and Characterization of as-deposited ZnO Thin Films by Thermal Evaporation Method”, Abstract accepted in 3rd Global Conference on Materials Science and Engineering (CMSE 2014), Oct 20-23, Shanghai
 6. Pushpa Giri, Chhaya Narayan, Sumit Vyas, and P. Chakrabarti, “Fabrication and Characterization of ZnO Nanorods/Pd-Au Contacts” Abstract accepted in 3rd Global Conference on Materials Science and Engineering (CMSE 2014), Oct 20-23, Shanghai
 7. Study of magnetic, dielectric and magnetodielectric properties of BaTiO₃/Fe₃O₄ core/shell nanocomposite, Sushant Singh, Naresh Kumar • Aashish Jha, Mohit Sahni, Kil-dong Sung, J. H. Jung, and S. Chaubey *Journal of Materials Science: Materials in Electronics*, 10.1007/s10854-014-2358-4, (2014) .
 8. Influence of Mn doping on structural, electrical and magnetic properties of (0.90)BiFeO₃–(0.10)BaTiO₃ composite, Mohit Sahni , Naresh Kumar, Sushant Singh, Aashish Jha, S. Chaubey, Manoj Kumar, and M. K. Sharma, *Journal of Materials Science: Materials in Electronics*, 25 (5), 2199-2209, (2014).

9. Magnetodielectric effect in BaTiO₃/ZnFe₂O₄ core/shell nanoparticles, Sushant Singh, Naresh Kumar, Richa Bhargava, Mohit Sahni, Kil-dong Sung, and J.H. Jung Journal of Alloys and Compounds 587 437–441 (2014).
10. Graphene oxide-based biosensor for detection of platelet-derived microparticles: A potential tool for thrombus risk identification, Jyotsna Kailashiya, Nitesh Singh, Sunil K. Singh, Vikas Agrawal, Debabrata Dash, Biosensors and Bioelectronics 65, 274–280 (2015).
11. Effect of Sr substitution on structural, dielectric, magnetic and magnetoelectric properties of rapid liquid sintered BiFe_{0.8}Ti_{0.2}O₃ ceramics, Mohit Sahni, Naresh Kumar, Manoj Kumar, Sushant Singh, Aashish Jha and Sanjay Chaubey International conference on Multifunctional Materials, Structures and Applications (ICMMSA-2014), to be held December 22-24, 2014, Motilal Nehru National Institute of Technology Allahabad India (2014).
12. Effect of substrate temperature on the structural, magnetic and morphological properties of CoFe₂O₄ thin films deposited by PLD Aashish Jha, Sushant Singh, Amit Srivastava, S. Chaubey and Naresh Kumar International conference on Multifunctional Materials, Structures and Applications (ICMMSA-2014), to be held December 22-24, 2014, Motilal Nehru National Institute of Technology Allahabad India (2014).
13. Catalyst free growth of ZnO nanorods using pulsed laser deposition, Amit Srivastava, Ashish Jha, Sushant Singh and Naresh Kumar, International conference on Multifunctional Materials, Structures and Applications (ICMMSA-2014), to be held December 22-24, 2014, Motilal Nehru National Institute of Technology Allahabad India (2014).
14. Influence of substrate temperature and oxygen pressure on the structural, morphological and magnetic properties of PLD grown ZnFe₂O₄ thin films, Sushant Singh, Naresh Kumar, Mohit Sahni, Aashish Jha, Amit Srivastava and S. Chaubey, International conference on Multifunctional Materials, Structures and Applications (ICMMSA-2014), to be held December 22-24, 2014, Motilal Nehru National Institute of Technology Allahabad India (2014).



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