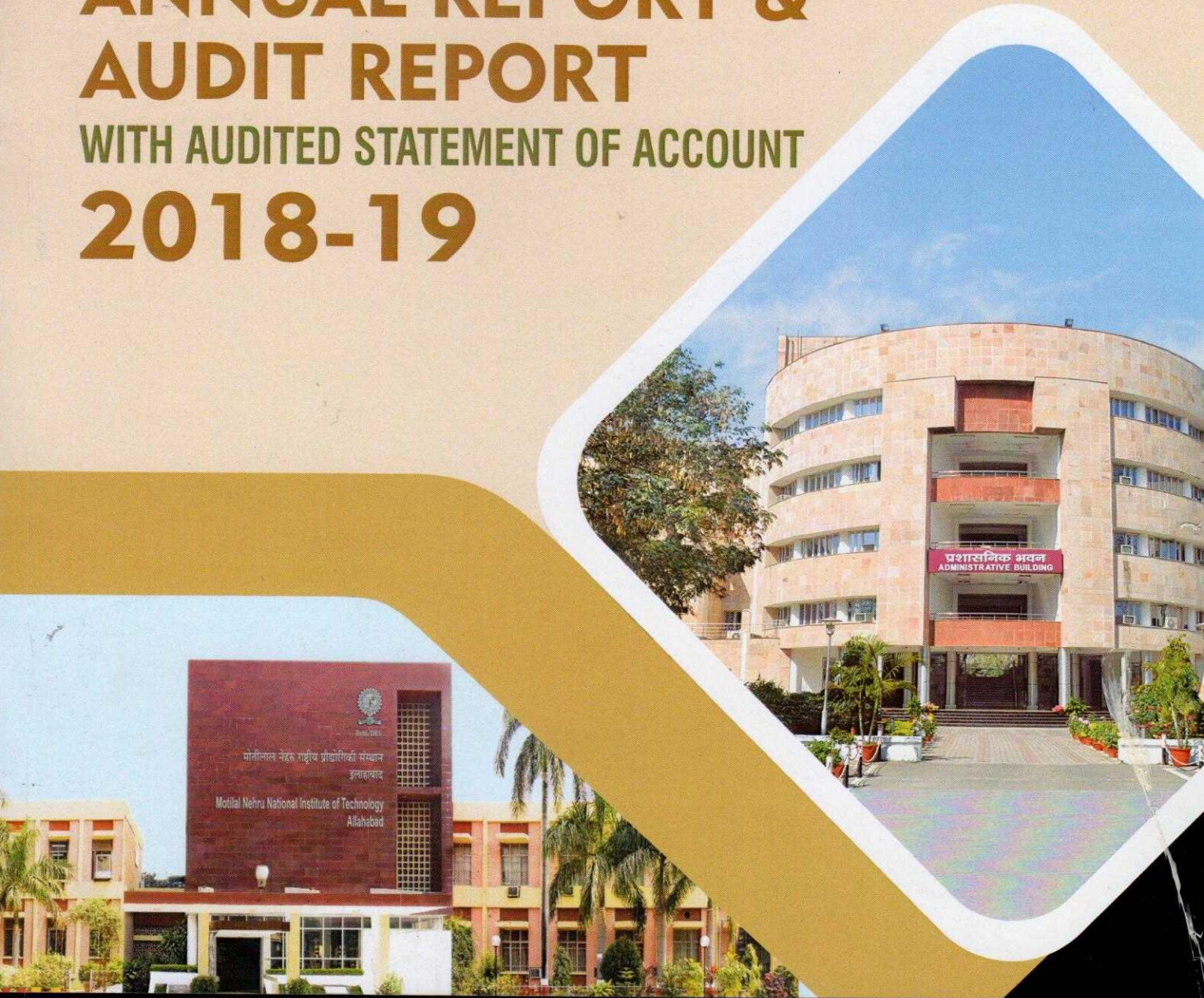




ANNUAL REPORT & AUDIT REPORT WITH AUDITED STATEMENT OF ACCOUNT 2018-19



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

ANNUAL REPORT & AUDIT REPORT
WITH
AUDITED STATEMENT OF ACCOUNT
2018-19



MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
PRAYAGRAJ-211004

CONTENTS

Chapter	Particulars	Page No.
1	INTRODUCTION	1-4
	1.1 Vision	2
	1.2 Mission	2
2	THE INSTITUTE	5-10
	2.1 Historical Background	6
	2.2 Location	6
	2.3 Campus	6
	2.4 Administration	7
	2.5 Academic Programmes	7
	2.6 Admission Procedure	7
	2.7 Students	7
	2.8 Examination and Evaluation	7
	2.9 Hostels	8
	2.10 Curricular Activities	8
	2.11 Training and Placement	9
3	GENERAL FACILITIES AND SERVICES	11-24
	3.1 Computer Centre	12
	3.2 Mechanical Workshop	12
	3.3 Laboratories	12
	3.4 Centre for Interdisciplinary Research (CIR)	13
	3.5 Central Instrumentation Facility	14
	3.6 Central Library	14
	3.7 School for Non-formal and Continuing Education (SNFCE)	15
	3.8 Intellectual Property Cell [IPR Cell]	16
	3.9 National Cadet Corps (NCC) & National Service Scheme (NSS)	18
	3.10 Institute Health Centre	19
	3.11 Vehicle Section	20
	3.12 Women Grievance Cell and ICC	21
	3.13 Alumni	22
	3.14 Canteen	23
	3.15 SC/ ST	23
	3.16 Reservation Cell	23
	3.17 Executive Development Centre (EDC)	23
4	ADMINISTRATIVE BODIES	25-32
	4.1 Board of Governors	26

Chapter	Particulars		Page No.
	4.2	Finance Committee	28
	4.3	Building and Works Committee	29
	4.4	Senate	30
5	THE STAFF		33-40
	5.1	Academic Staff	34
	5.2	Administrative Officers	38
	5.3	Technical Staff	38
	5.4	Ministerial Staff	39
	5.5	Supporting Staff	40
6	ACADEMIC PROGRAMMES		41-44
	6.1	Bachelor of Technology (B.Tech.)	42
	6.2	Master of Technology (M.Tech.)	42
	6.3	Master of Business Administration (MBA)	42
	6.4	Master of Computer Applications (MCA)	43
	6.5	Master of Science (M.Sc.)	43
	6.6	Doctoral Programmes (Ph.D.)	43
7	STUDENTS' DETAILS		45-50
	7.1	Intake	46
	7.2	Admission Procedure	46
	7.3	Courses-Wise Enrolment with Gender, Category Wise Break-up	46
	7.4	Student Statistics for UG/PG/PH.D. Programmes 2018-19	47
	7.5	Student Strength 2018-19	48
	7.6	Performance in Examination (Passing Out Batch 2017-18)	48
	7.7	Gold Medals	48
8	RESEARCH AND DEVELOPMENT ACTIVITIES		51-54
	8.1	Research and Consultancy (R&C) Cell	52
	8.2	Research Projects	52
	8.3	Consultancy Projects	52
	8.4	Technical Education Quality Improvement Programme [TEQIP-III]	52
	8.5	Institute Industry Interaction [III] Cell	53
9	SCHOLARSHIP AND ASSISTANTSHIP PROVIDED FOR STUDENTS		55-56
	9.1	Support to SC/ ST/ OBC/Differently Abled Students	56
	9.2	Financial Support	56
10	FACULTY ACHIEVEMENTS		57-138
	10.1	Department of Applied Mechanics	58
	10.2	Department of Biotechnology	66
	10.3	Department of Civil Engineering	74

Chapter	Particulars		Page No.
	10.4	Department of Chemical Engineering	82
	10.5	Department of Chemistry	86
	10.6	Department of Computer Science & Engineering	90
	10.7	Department of Electrical Engineering	96
	10.8	Department of Electronics & Communication Engineering	102
	10.9	GIS Cell	112
	10.10	Department of Humanities & Social Sciences	113
	10.11	Department of Mathematics	115
	10.12	Department of Mechanical Engineering	121
	10.13	Department of Physics	130
	10.14	School of Management Studies	134
11	FINANCIAL AND ACCOUNT DETAILS		139-258
	11.1	Financial and Account Report	140
	11.2	Annual Accounts-2018-19	145
12	ANNEXURES		259-293
	Annexure-1.	NIT Council	260
	Annexure-2.	Board of Governors	261
	Annexure-3.	Finance Committee	262
	Annexure-4.	Building and Works Committee	263
	Annexure-5.	Senate	264
	Annexure-6.	Activities Organized Under Student Activity Centre	265
	Annexure-7.	Placement Details	268
	Annexure-8.	Details of Publication under Central Instrumentation Facility	269
	Annexure-9.	Details of Externally Funded Research Project	271
	Annexure-10.	Testing And Consultancy	276

INTRODUCTION

1.1 Vision

1.2 Mission

INTRODUCTION

1.1 VISION

- To attain a distinct identity for the Institute through technology innovation, knowledge creation and dissemination for the benefit of the society.

1.2 MISSION

- To nurture an eco system for continuous enhancement of value based teaching and learning process in the emerging areas of technology.
- To train quality human and knowledge resources in the service of society.
- To develop sustainable products and technologies.

Road Map

a. Academic Growth

- Continuous revision of the curriculum, based on feedback from the students and input from industry, alumni and other stakeholders.
- Student exchange programme with credit transfer with leading institutions.
- Compulsory course on Ethics and Value based Governance for each programme.
- Reorient Teaching Learning Process for developing Entrepreneurial Skills among the students.
- Review and update all M.Tech Programmes with focus on employability and relevance.
- To recruit qualified technical staff for laboratories.
- To conduct regular training programme for faculty, supporting & technical staff.
- To conduct Academic Audit of each department on annual basis.

b. Research and Innovation

- Two centres are proposed on basis of existing expertise of the Institute towards design and implementation of next generation societal applications in the domains where Government is keen to provide funding and support:

1. Centre for Design and Innovation: This centre will be a multidisciplinary centre that will provide necessary software and hardware tools for transforming creative ideas into products.
2. Centre for Sustainable Smart Habitat: To understand the opportunities towards building a smart and sustainable habitat which can be harnessed by different technical expertise available at our institute, utilizing AI and IoT.

c. Resource Generation

- To prepare the detailed framework for the process of fund contribution, details of utilization and benefits to the donor.
- Areas of donation may include: laboratory equipments, Infrastructure, Scholarships, Area Chair Professor, Centre of Excellence among other options.
- To conduct Management Development Programme (MDP)/Executive Development Programme (EDP) of short duration through departments and/or SNFCE.
- To establish testing & consultancy facilities in collaboration and partnership with Industry and alumni.

d. Infrastructure

- To prepare Master Plan for Institute Infrastructure Development and learning resources by 2020 with a vision for 30-50 years period.
- To organize the Master Plan into phases by prioritizing its component which may include a) Class Rooms b) Workshop C) Laboratories D) Hostels E) Faculty Accommodation F) Community Centre G) Water, Electricity, Internet Connectivity, Parking etc.
- To make all the buildings accessible for the differently abled persons as per norms.
- To develop modern class rooms, laboratories, faculty rooms, hostels, hygienic environment and other infrastructure projects.
- To implement MIS for all institutional activities.

- To develop an integrated campus with connectivity between academic campus, hostels and residential areas.
 - To promote Department/ Cell/ Centre to interact with Alumni for active participation in Institute Development.
 - To facilitate industry collaboration with focus on resource generation.
- e. **Social Outreach**
- To ensure regular activities for upliftment of neighborhood and socially marginalized groups, by encouraging formal and informal student groups.
 - To train nearby communities in technical skills under 'Skill India programme' and enable economic empowerment of people
 - Mandatory Community Service by all the faculty, staff and students for one week per academic year.
 - To adopt a backward village for its overall development, under 'Unnat Bharat Abhiyan'.

THE INSTITUTE

- 2.1 Historical Background**
- 2.2 Location**
- 2.3 Campus**
- 2.4 Administration**
- 2.5 Academic Programmes**
- 2.6 Admission Procedure**
- 2.7 Students**
- 2.8 Examination and Evaluation**
- 2.9 Hostels**
- 2.10 Extra-curricular Activities**
- 2.11 Training and Placement**

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, to create and nurture engineers and 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. MNNIT celebrated the completion of 50 glorious years of its existence in the Year 2010-11.

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 Shri Lal Bahadur Shastri in 1965, another illustrious son of the soil.

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. Subsequently moving on the growth path three BE programmes were added, viz Computer Science and Engineering in 1976-77, Electronics & Communication Engineering, and Production and Industrial Engineering in 1982-83. The Master of Computer Application was started in 1986. To add a new dimension to itself, the Institute established School of Management Studies in 1996, which offers a two year (four semester) Master of Business Administration (MBA) programme.

At present MNNIT is proud to offer 09 B.Tech., 25 M.Tech. as well as MCA, MBA and MSc program 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 take admission, in this Institute not only from different states in India, but also from many foreign countries including SAARC countries, 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.

2.2 LOCATION

The city of Allahabad is situated at the confluence (Sangam) of three rivers Ganga, Yamuna and 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 Samudra Gupta 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 its academic ambience and presently houses six national level Institutes /Universities.

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 Airport.

2.3 CAMPUS

The Institute is spread over in an 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:

- (i) Academic Campus housing, Academic and Administrative Building, Bank, Sports field, Tennis Court and Gymnasium, Hostel for U.G. first year students, P.G. Students and Multipurpose Hall.
- (ii) Hostel area housing, hostels for male students, Student Activity Centre and Industrial Estate.
- (iii) Residential area housing, faculty and staff quarters, Executive Development Centre, Girls' hostel, International hostel and Health Centre.

A quiet and congenial atmosphere for studies and research at the highest level prevails in the campus.

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 five M. Tech, MCA, MBA 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 Centralized 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 interview conducted by the Institute. Further, admissions to M.Tech. programme are 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) percentile and the GD and PI conducted by the Institute. Admission to sponsored candidates are offered on the basis of eligibility criteria.

MCA

Admission to M.C.A. programme is made through 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 NITs and counseling conducted by CCMN.

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 a personal interview.

2.7 STUDENTS

The Institute admits 814 students through JEE (Mains) and 123 through DASA programme to nine undergraduate programmes, 475 students to various M.Tech. programmes, 93 to MCA, 62 to MBA, 23 in M.Sc. In addition, 89 students are admitted to doctoral programmes in different branches. 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.

2.8 EXAMINATION AND EVALUATION

The examination process is continuous, learning- oriented and transparent. Students'

performance is evaluated on the basis of one midterm 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 absolute grading system with eight letter grades to denote various levels of performance.

The academic performance of each student is reviewed by a Committee consisting of the Chairman SUGC/ SMPC, the Dean (Academic) and the DUGC/ DMPC Conveners at the end of each semester. The academic performance is evaluated on the basis of grades, SPI and CPI, obtained in courses registered.

2.9 HOSTELS

The Institute is fully residential. At present there are eight boys' hostels, viz Swami Vivekananda hostel, Purushottam Das Tandon hostel, Pt. Madan Mohan Malviya hostel, Bal Gangadhar Tilak hostel, Sardar Vallabh Bhai Patel hostel, Ravindra Nath Tagore hostel, Sir C.V. Raman hostel and P. G. Hostel.

Presently the Institute has two girls' hostels located inside the campus for accommodating girl students, namely Sarojni Naidu girls' hostel and Kamala Nehru girls' hostel. An International House for Ph.D. and P. G. students is also located inside the campus. Hostel Messes are managed by nominated student representatives under the overall supervision of Chief Warden (Boys' Hostels), Chief Warden (Girls' Hostels) and a team of Wardens of Hostels.

2.10 CURRICULAR ACTIVITIES

The Institute provides ample avenues for the development and nurturing of creative and other talents in the students through the Student Activity Centre (SAC). All the activities are managed by students under the guidance of President, SAC and a team of Faculty In-Charges, Faculty Coordinators and Committees for various events. The SAC provide avenues for Cultural, Technical and Managerial events, Personality development, Athletics, Indoor and Outdoor games, Yoga and other activities. The SAC also facilitates and encourages the students to take part in similar events in other institutions.

Student Activity Centre (SAC)

Motilal Nehru National Institute of Technology Allahabad has been known for its excellence, academically, and the students keep raising the bar for themselves by proving to be a step ahead of the crowd, time and again. The institute, at the same time, also has records of achievements in curricular as well as extra-curricular activities. An extremely crucial role is played by the Student Activity Centre (SAC) of the institute in facilitating the activities and reaching out to the students under the supervision of the President SAC. The prime locations of the SAC are Students' Clubs, Boys' SAC and Girls' SAC, Multipurpose Hall, Athletics Ground and Gymkhana. The student activity centre hires pool of part-time coaches/trainers for various events on yearly basis to groom the talents of the students. At present about ten numbers of coaches are working and extending their services two-hour every day.

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 faculty and staff monitor activities of Gymkhana and help students in organizing and managing their sports events. Gymkhana provides facilities for out-door games like Athletics, Cricket, Football, Volleyball, Hockey, Basketball, Taekwondo, Lawn Tennis, Kabaddi, Khokho, Yoga, Skating, Karate, etc. and indoor games like Badminton, Table Tennis, Carrom, Chess, Gym. etc.

Each game and activity is looked after by the Student representatives and a Faculty coordinator. All the Games, Athletics and Yoga events are organized with the assistance of SAS officer under the Gymkhana. All other activities such as Cultural/Technical/Literary/SPIC-MACAY events are managed by the SAC. There is a Faculty In charge for all the above activities.

Students' Activity Centre & Clubs

Student's Club is divided into ten main sections. (a) Literary events and media (b) Community Development (c) Personality Development (d) Quiz Club (e) Photography Club (f) Robotics

Club (g) Aeromodelling Club (h) Computer Coding Club (i) Technical Club, (j) Energy Club, (k) Music Club, (l) Dance Club, (m) Dramatics, (n) Arts & Painting, (o) SPIC MACAY events, and (p) Yoga Centre. Each activity/club is looked after by a Faculty Coordinator. The committees of students are elected under the supervision of Faculty In charge and President SAC.

Students' Clubs

Student's Club is divided into ten main sections. (a) Literary events and media (b) Community Development (c) Personality Development (d) Quiz Club (e) Photography Club (f) Robotics Club (g) Aero modelling Club (h) Computer Coding Club (i) Technical events, (j) Music Club, (k) Dance Club, (l) Dramatics, (m) Arts & Painting, (n) SPIC MACAY events, and (o) Yoga Centre. Each activity/club is looked after by a Faculty Coordinator. The committees of students are elected under the supervision of Faculty In charge and President SAC.

The activity organized under SAC is listed at **ANNEXURE-6**.

2.11 TRAINING AND PLACEMENT

Campus Recruitment Program for graduating students conducted by this Institute is a very vital activity. A very close interaction between the Department of Training and Placement and

various organizations has created excellent placement record. The office staff and the student members of the placement Committee actively participate in coordinating the campus recruitment process. The Institute, over the years, has created enviable position in Indian Organizations. Over 250 companies visited the Institute during the year 2018-19. Campus Selection of Students from B. Tech. (Computer Science & Engineering and Information Technology) got a record offer of Rs. 36 LPA (CTC). The most noticeable achievement of this year's placement is that the students of two branches namely B.Tech. (Production and Industrial Engg.) and B. Tech. (Chemical Engg.) got 100% Placement. Beside this, the T&P Department also arranges Summer and Winter Training Programme for students of B.Tech. 4th & 6th Semester and MBA 2nd Semester Paid Internship for M.Tech. Students for 11 months & 6 months duration are also arranged. The six months internship for MCA is also organized by the office. Technical quizzes, Hackathons, workshops, Competitive Coding contests, Seminars etc. are conducted by the companies from time to time through this office for the benefit of the students. Soft Skill and Personality Development Programs are also organized by the Training and Placement office. The placement details are listed at **ANNEXURE-7**.

GENERAL FACILITIES AND SERVICES

- 3.1 Computer Centre
- 3.2 Mechanical Workshop
- 3.3 Laboratories
- 3.4 Centre for Interdisciplinary Research [CIR]
- 3.5 Central Instrumentation Facility
- 3.6 Central Library
- 3.7 School for Non-Formal and Continuing Education [SNFCE]
- 3.8 Intellectual Property Right Cell [IPR Cell]
- 3.9 NCC and NSS
- 3.10 Institute Health Care Centre
- 3.11 Vehicle Section
- 3.12 Women Grievance Cell
- 3.13 Alumni
- 3.14 Canteen
- 3.15 SC/ST Cell
- 3.16 Reservation Cell
- 3.17 Executive Development Centre [EDC]

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 every member of MNNIT Allahabad. Computer Centre provides Email, Web, DNS, FTP, Internet access, HPC and other services 24 hours and 365 days a year. Computer Centre also provides various advanced and special purpose software for all the campus users. 24x7 internet connectivity with 1200 Mbps [1000 Mbps(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. Both wired and wireless internet connectivity is available in the campus.

3.2 MECHANICAL WORKSHOP

Mechanical Workshop is one of the Central facilities of Motilal 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 perform 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.

3.3 LABORATORIES

Applied Mechanics

- (i) Experimental Solid Mechanics PG Laboratory
- (ii) Biomedical Engineering PG Laboratory
- (iii) Materials Development PG Laboratory
- (iv) Fluid Engineering PG Laboratory
- (v) Computational PG Laboratory
- (vi) Strength of Material Laboratory

- (vii) Material Science & Engineering Laboratory
- (viii) Fluid Mechanics & Hydraulic Laboratory
- (ix) Structural Analysis Laboratory
- (x) DST-FIST Computational Laboratory
- (xi) Departmental Workshop
- (xii) Engineering Mechanics Laboratory
- (xiii) Fluid Research Laboratory
- (xiv) Solid Mechanics Research Laboratory
- (xv) Material Research Laboratory
- (xvi) Dynamic of Machine Laboratory
- (xvii) Compressible Flow Laboratory
- (xviii) Vibration Laboratory
- (xix) Robotics Laboratory
- (xx) Experimental Stress Analysis Laboratory
- (xxi) Non Destructive Testing Laboratory

Biotechnology

- (i) Laboratory-I
- (ii) Laboratory-II
- (iii) Bioinformatics Laboratory
- (iv) Green house Laboratory
- (v) Experimental field Laboratory
- (vi) Central Instrumentation facility

Civil Engineering

- (i) Structural Engineering Laboratory
- (ii) Geotechnical Engineering Laboratory
- (iii) Environmental Engineering Laboratory
- (iv) Transportation Engineering Laboratory
- (v) Survey Laboratory
- (vi) CAD Laboratory
- (vii) Geology Laboratory

Chemical Engineering

- (i) Chemical Reaction Engineering Laboratory
- (ii) Chemical Technology Laboratory
- (iii) Computer Aided Design Laboratory
- (iv) Environmental Engineering Laboratory
- (v) Fluid Particle Mechanics & Mechanical Operation Laboratory
- (vi) Mass Transfer Laboratory
- (vii) Process Dynamics & Control Laboratory
- (viii) Chemical Engineering Laboratory (M.Tech)

Chemistry

- (i) Undergraduate Chemistry Laboratory
- (ii) Research Laboratory-I
- (iii) Research Laboratory-II
- (iv) Research Laboratory-III

Computer Science and Engineering

- (i) Computing Laboratory
- (ii) Database/Data Mining Laboratory
- (iii) SOA/Distributed Computing Laboratory
- (iv) Embedded System/ Real Time System Laboratory
- (v) Computer Architecture / Microprocessor Laboratory
- (vi) Computer Network / Wireless Network Laboratory
- (vii) Image Processing/ Computer Vision Laboratory
- (viii) Software Testing Laboratory
- (ix) Verification & Validation Laboratory

Electrical Engineering

- (i) Measurement & Instrumentation Laboratory
- (ii) Electrical Machine Laboratory
- (iii) Control System Laboratory
- (iv) Power System & High Voltage Laboratory
- (v) Computer & Simulation Laboratory
- (vi) Virtual Instrumentation Laboratory
- (vii) Power Electronics Laboratory
- (viii) Departmental CRU Laboratory

Electronics & Communication Engineering

- (i) Basic Electronics Laboratory
- (ii) Advanced Electronics Laboratory
- (iii) VLSI Laboratory
- (iv) Computer Architecture Laboratory
- (v) Communication Laboratory
- (vi) DCN Laboratory
- (vii) Project and PCB Laboratory
- (viii) Microwave Laboratory
- (ix) Param Laboratory

Mechanical Engineering

- (i) Engineering Graphics Laboratory
- (ii) Machine Design and Drawing Laboratory
- (iii) Computer Aided Design Laboratory
- (iv) Mechatronics and Control Laboratory (Renaming of Mechatronics and Virtual Instrument Laboratory)
- (v) Materials Testing and Characterization Laboratory (Merging of Machine Element Laboratory and Material Characterization Laboratory)
- (vi) Product Development Laboratory
- (vii) Rotor dynamics and Diagnostics Laboratory

- (viii) Foundry, Forming and Plastic Laboratory
- (ix) Advanced Manufacturing Laboratory
- (x) Machine Tool & Advanced Machining Laboratory
- (xi) Computer Aided Manufacturing Laboratory
- (xii) Industrial Engineering Laboratory
- (xiii) Measurement and Metrology Laboratory (Merging of Instrumentation and Metrology Laboratory)
- (xiv) Composite Manufacturing Laboratory
- (xv) Additive Manufacturing and Rapid Prototyping Laboratory
- (xvi) Heat and Mass Transfer Laboratory
- (xvii) Solar Energy Laboratory
- (xviii) Internal Combustion Engine Laboratory
- (xix) Automobile Engineering Laboratory
- (xx) Steam Power Engineering Laboratory
- (xxi) Refrigeration and Air Conditioning Laboratory
- (xxii) Industrial and Engine Tribology Laboratory (Renaming of Mechanical System Design Laboratory)
- (xxiii) Computational Research Laboratory
- (xxiv) Product Design and Manufacturing Laboratory

Physics

- (i) Undergraduate Physics Laboratory-I
- (ii) Undergraduate Physics Laboratory-II
- (iii) Research Laboratory

SMS

- (i) Systems Laboratory
- (ii) Behavior Dynamics Laboratory
- (iii) Research Scholars Laboratory

HSS

- (i) Language Laboratory

GIS Cell

- (i) Geo Informatics Laboratory

3.4 CENTRE FOR INTERDISCIPLINARY RESEARCH (CIR)

The Centre for Interdisciplinary Research (CIR) was established in 2012 by the Institute in order to promote cross-interdisciplinary research. 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 the CIR is to provide best research and analytical facilities for its undergraduate, postgraduate, research scholars and faculty. In addition to serving the Institute, the Centre welcomes researchers from all over the country to use the facility at nominal cost. The Centre also looks forward for collaborative research programme 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.

3.5 CENTRAL INSTRUMENTATION FACILITY

Central Instrumentation facility under Department of Biotechnology MNNIT Allahabad, is offering facilities for Ph. D. scholars, M. Tech. and B. Tech. students for their research. The students and other stakeholders come and utilize the facilities available in the centre for their dissertation and research work. Details of publications are placed at **ANNEXURE-8**

List of Laboratories

- (i) Molecular Diagnostic Laboratory
- (ii) Microbiology Laboratory
- (iii) Immunodiagnostic and Tissue Culture Laboratory
- (iv) Biosafety Culture Laboratory (Class II)
- (v) Central Instrumentation Facility

3.6 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 175 readers can be accommodated at a time, a Stack-room of 470.42 sq.m having a collection of about 1,05,157 (approx) books. A Bound Periodical section having a collection of 17,651 (approx) volumes. Through e-Shodhsindhu Consortium and Institute subscribed thousands of e-Journals and 15,064 e-Books can be accessed 24X7. A dedicated facility in the form of e-Resources Access Room with 15 computer terminals is also available for accessing these.

Membership

The membership of the Central Library is open to students, teachers and the other administrative & technical officers and staff of the institute. The present membership is about 5638 (approx).

Working Hours

The Library working hours are from 9:00 am to 12:00 midnight and circulation section remains open between 09:30 am to 07:30 pm on week days. On Saturdays/ Sundays library working hours are from 9:00 am to 12:00 midnight and circulation section remains open between 09:30 am to 07:30 pm. A total to 12966 books (approx) were transaction during the year.

Collection as on 31-3-2019

Bound periodicals	17,651
Books	1,05,157
eBooks	15,064

Additions during the year (01.4.18 to 31.3.19)

e-Resources

e-Journals	4,751
IEEE Conference Proceedings	29,508
IEEE Standards	3,918

News Paper and Magazine

News paper and Magazine corner is locate First floor in the Library. The Library subscribes 22 newspapers (13 Hindi + 09 English) and 23 (10 Hindi + 13 English) popular magazines on different topics.

Internet Access Facility

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

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.

Online Public Access Catalogue (OPAC)

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

E-Resource

The following e-Resource are available from e-Shodhsindhu consortium

S. No.	e-Resources
1	ACM Digital Library
2	Annual Reviews
3	ASCE Journals Online
4	ASME Journals Online
5	Economic & Political Weekly
6	Institute for Studies in Industrial Development (ISID) Database
7	JGate Plus (JCCC)
8	JSTOR
9	MathSciNet
10	Oxford University Press
11	Web of Science

Classification & Cataloguing

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

RFID Implementation

The Central Library has implemented the Radio Frequency Identification (RFID) system. It is the best-automated library automation system used worldwide and is an effective way of managing collections of the library and providing enhanced services to the users.

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 589 students were benefited by this scheme and 1664 books were issued during the year.

SC/ST Book bank

Under centrally sponsored scheme for SC/ST students a total of 54 students of U.G. courses

were benefited by this scheme and 181 books issued to them. Under this scheme no rent is charged from the SC/ST students.

3.7 SCHOOL FOR NON-FORMAL AND CONTINUING EDUCATION (SNFCE)

The Institute offers the opportunity to working engineers in and around Allahabad employed with Industries, Government Departments, Educational Institutions and 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 improving the qualifications of the working professionals and faculty members of the government/ private technical Institute. The classes for these courses are organized in the evening.

M.Tech. (Part-Time) programmes which run under the School for Non Formal and Continuing Education (SNFCE) are of 03 years/ (06 semester) duration out of which 02 years are for course work and one year for Thesis/ Dissertation/Projects. The candidates with minimum 02 years of working experience are eligible for admission.

The Institute provides modernized Lecture Halls, well equipped departmental laboratories, seminar room, computer centre and library in support of smooth running of classes of various M. Tech (Part-Time) Programmes, Faculty Development Programme, Conference/ Seminars, Short Term Courses and Training programme. The actual number of courses for the particular session to be offered is announced through the news papers alongwith other details of application.

It is a self supporting unit within the Institute and participates in organizing seminars, conferences, symposia etc. This unit also organizes short term courses and training programmes 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 programmes as well as executive development programmes 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 industry. The courses have proved very popular and useful.

SNFCE has also coordinated MHRD's Government of India academic improvement programme Global Initiative for Academic Networks (GIAN) in session 2018-19.

3. 8 INTELLECTUAL PROPERTY RIGHT CELL (IPR CELL)

The Institute IPR cell has been constituted to maintain high standards of academics and to create a suitable environment for creation and protection of intellectual property.

In the year under report, the IPR Cell took following steps towards achieving the objective:

- (i) Subscription to Turnitin software was renewed to check similarity of text with the published material. The login is available to all the Heads of the Departments and faculty of the Institute.
- (ii) Every Ph.D Thesis is mandatorily checked by the 'Turnitin – Anti Plagiarism Web Tool' before submission as per approval of the Senate in its Eleventh (11th) emergent meeting held on 15.07.2014.

- (iii) Every department has been given user login for checking of research papers, project reports and thesis of respective departments.
- (iv) During 01.04.2018 to 31.03.2019 IPR Cell checked 228 Ph.D theses and approved 57 Ph.D theses, according to Institute rule. Further 135 M.Tech theses/papers were also checked by the Cell.
- (v) The draft IPR policy of the Institute is being reviewed as per guidelines by the Board of Governors.
- (vi) The Institute has filed Fifteen (15) Patents till date, out of which One (01) patent application has been filed in the year under report.

Following is the Constitution of the IPR Cell :

- | | |
|-------------------------------|--------------------------------------|
| (i) Director | Chairman IPR Cell |
| (ii) Prof. Geetika, SMS | Chairperson , IPR Standing Committee |
| (iii) Prof. H. N. Kar, ECED | Member, Standing Committee |
| (iv) Prof. Neeraj Tyagi, CSED | Member, Standing Committee |
| (v) Prof. Shivesh Sharma, OSD | Member, Standing Committee |

S.No.	Title	Name of Faculty	Application No.	Date of filling	Status
1	A Process for Bioremediation of Industrial Grease Waste using a Bacterial Consortium	Dr. Sangeeta Negi Dr. Suneel Kumar	1764/Del/2014	30.06. 2014	Application in Amended Stage (FER Issued on 26.02.2018)
2.	A novel silicon/polycarbazole organic schottky diode (osd) and the method of fabrication there of International classification : H01L29/20	Prof. P. Chakrabarti Ms. Aditi Srivastava	2332/Del/2014	16.08.2014	Application in Amended Stage (FER Issued on 23.04.2018)
3.	A new wound care product	Dr. Archana Dr. J. Dutta Dr. P. K. Dutta	1267/Del/2015	07.05.2015	Application Examined (FER issued on 14.01.2019)
4.	Electrochemical Process of immune-based thionine Doped Nanosilica Electrode Modification and its use as	Prof. P. Chakrabarti Ms. Priti Singh Dr. Sunil Kumar Singh	1687/Del/2015	05.06.2015	Awaiting Examination

	an Enzymatic Sensor for Electrochemical Detection of Platelet Hyperactivity				
5.	Method of Simultaneous Detection of E.coli and Salmonella Species by Gold Nanoparticle Based Latera Immunoassay.	Ms. Jyoti Singh Ms. Seema Nara Dr. Shivesh Sharma	3215/Del/2015	06.10.2015	Awaiting Examination
6.	Method to determine beam width of a dip in surface Plasmon resonance sensor and its application	Dr. Yogendra Kumar Prajapati Mr. J.B. Maurya	201611005417	16.02.2016	Application in Amended Stage (FER Issued on 28.04.2018)
7.	Microfabrication Annealing Furnace with Integrated Magnetic Field and Electric Field Application and Affixable Hall Measurement Setup	Dr. Shweta Tripathi Mr. Brijesh Kumar Singh Prof. P. Chakrabarti	201611018593	30.05.2016	Awaiting Examination
8.	Optical biosensor and a method of preparation and its application thereof for detection of Salmonella typhi	Dr. Anjana Pandey Dr. Ashutosh Pandey	201611019611	07.06.2016	Awaiting Examination
9.	Integrated health-monitoring device and a method of real time transfer of health condition data collected	Dr. Yogendra Kumar Prajapati Mr. Piyush Sil Mr. Piyush	201611025089	22.07.2016	Awaiting Examination (FER issued on 05.03.2019)
10.	A novel cascaded multilevel isolated bidirectional DC-DC Converter and its operation thereof	Dr. Rajesh Gupta Mr. V. Karthikeyan	201611034814	12.10.2016	Awaiting Examination
11.	Gas-Liquid absorption in microchannel	Dr. Sadhana Sachan Dr. Mohd Siraj Alam Mr. Kaushal Kishor Mr. Abhishek Kumar Chandra Mr. Wasim Khan	201611043489	20.12.2016	Awaiting Examination
12.	Gel Imaging System	Dr. Seema Nara Mr. Pranav Tripathi	201711020522	12.06.2017	Awaiting Examination
13.	A Process optimization using Bacillus Licheniformis Lab isolate for conversion of corn starch to near theoretical yield biohydrogen production	Dr. Anjana Pandey	201711023786	06.07.2017	Awaiting Examination
14.	A method for attaining p-type zinc oxide (ZnO) thin film	Dr. Shweta Tripathi Mr. Brijesh Kr. Singh Mr. Lucky Agarwal	201711044846	13.12.2017	Application Published

15.	Low Power, Uniform Frequency Resolution and High Sampling Speed Direct Digital Synthesis based Arbitrary Waveform Generator	Mr. Subha Sarkar Dr. Y.K. Prajapati Dr. Rajeev Tripathi	201811032831	31.08.2018	Awaiting Examination
16.	A novel method of GNP synthesis and its application for individual and simultaneous detection of heavy metals (Pb ²⁺ , Cd ²⁺ , Hg ²⁺ , Cr ⁶⁺) through electrochemical analyzer	Prof. Anjana Pandey			Recommended by Evaluation Committee on 25.07.2017
17.	Automated measurement of Optic Nerve Sheath Diameter (ONSD) from eye ultrasound images	Dr. Basant Kumar			Recommended by Evaluation Committee on 19.01.2018
18.	Improvement in phytostabilization efficiency of <i>Vetiveria zizanioides</i> using heavy metal resistant bacterium for lead removal from soil	Dr. Radha Rani			Fresh application to be considered, received on 16.04.2018
19.	Reduction of chromium (VI) in aqueous medium by antibiotic and multi-metal resistant and halo-alkaliphic bacterium, <i>Bacillus clausi</i> CRA1.	Dr. Radha Rani			Fresh application to be considered, received on 16.03.2018
20.	Prepared a starch using novel method used for adsorption for Copper ion in water	Dr. Harinder Singh			Application received on 04.01.2018 and on 08.01.2018 IPR cell suggested to Dr. Harinder Singh to move the application to the Director for further processing and after that revised application received on 15.06.2018
21.	Herbal Formulation against Bacillary Dysentery and Related Disorders and Process for preparing the same	Dr. Vishnu Agarwal Mr. Devendra Singh			Recommended by Evaluation Committee on 21.05.2019

Summary of Patent Applications

S. No.	Status	No.
1.	FER issued	05
2.	Application published	01
3.	Awaiting Examination	09
4.	Waiting for Publication (Application not yet published)	00
5.	Submitted	00
6.	Recommended by Evaluation Committee	03

7. Fresh Applications 03

Total 21

3.9 NCCAND NSS

National Cadet Corps (NCC)

NCC wing is active and functional at MNNIT. Following were the activities carried out by NCC during 2018-19:

1. Enrolment of new NCC Cadets (Boys and girls) was completed on August 05, 2018

at MNNIT Allahabad, Prayagraj

2. NCC cadets (SD and SW) performed the parade on the auspicious occasion of 72nd Independence Day, 2018 at MNNIT Allahabad, Prayagraj
3. NCC cadets participated in Tree Plantation Program on August 15, 2018 at MNNIT Allahabad, Prayagraj.
4. NCC cadets participated in Talk/Speech on "What Can I do clean my city" program on September 17, 2018 at MNNIT Allahabad, Prayagraj.
5. NCC cadets participated in Nukkad Natak Program for Swachhta Abhiyan on September 18, 2018 at MNNIT Allahabad, Prayagraj.
6. NCC cadets participated in Shramdan Program for Swachhta Abhiyan on September 19 & 30, 2018 at MNNIT Allahabad, Prayagraj.
7. NCC cadets participated in Cleaning of Statue for Swachhta Abhiyan on September 20, 2018 at MNNIT Allahabad, Prayagraj.
8. NCC cadets participated Shramdan Program for Swachhta Abhiyan on September 30, 2018 at MNNIT Allahabad, Prayagraj.
9. NCC cadets participated in Annual Training Camp CATC-68 on October 05-14, 2018 at MNNIT Allahabad, Prayagraj.
10. NCC cadets participated in Army Attachment Camp on December 10-24, 2018 at 04 Rapid Sig. Regt. Prayagraj.
11. NCC cadets performed Parade on Republic Day on January 26, 2019 at MNNIT Allahabad, Prayagraj.

National Service Scheme (NSS)

NSS wing is functional and active at MNNIT. Following were the activities carried out by NSS during 2018-19.

- (i) NSS volunteers participated in Independence Day programme 2018.
- (ii) NSS volunteers participated in "Run for Unity" race organised on October 31, 2018.
- (iii) NSS volunteers participated in Republic Day Program 2019.

3.10 INSTITUTE HEALTH CENTRE

It is an out-patient centre catering the medical need of approximately 5000 students and all members of faculty and staff & their dependents.

Timing of Health Centre

All working days of the Institute: From 7.30 a.m. to 8.00 p.m.

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

Facilities

- (i) Consultation & Dispensing of medicines to students, staff & their dependents.
- (ii) Special facilities of E.C.G. & Routine Pathological testing.
- (iii) Services of Dental surgeon, Skin specialist, ENT paediatrics, Orthopaedic, Psychiatrists etc are available on different days.
- (iv) Homeopathic medicines are being provided under consultation of Homeopathic Consultant.
- (v) Ayurvedic medicines are being provided under consultation of Ayurvedic Consultant.
- (vi) Male & Female Physiotherapist is available for all types of physiotherapy.
- (vii) Organize different campus like blood donation camps, awareness of man of diseases like Hepatitis, ADS, Asthma, Diabetes, Arthritis and Blood Donation Camp.

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

Senior Medical Officer In-charge

Dr. Shailendra Kumar Mishra

Part Time General Duty Doctors

Dr. Sadhna Dwivedi General Physician
(Lady Doctor)

Dr. Shirley Paulson General Physician
(Lady Doctor)

Part Time Specialist Doctors

Dr. Nishant Nigam Skin Specialist
Dr. S. K. Agarwal E.N.T Surgeon
Dr. R. N. Mehrotra Pediatrician

Dr. Puneet Upadhya Dental Surgeon
 Dr. Pushkar Nigam Neuron Physician
 Dr. Avinash Jaiswal Orthopedic
 Dr. Alka Eye Surgeon

Part Time Homoeopathic Doctor

Dr. Seema Gupta

Part Time Ayurvedic Doctor

Dr. Sanjay Baranwal

Physiotherapist

Mrs. Deepti Yogeshwar,
 Mr. C. Mohd. Soheb

Pharmacist

Shri Vinod Kumar Mishra
 Shri R. K. Nirbhay

All pharmacists are managing dispensing of medicines and assisting specialist doctors during dispensary hours.

Dressers

Mr. Om Prakash Parasar
 Mr. Vijay Kumar
 Dressers are there to help in dressing, giving injections and miscellaneous work of Health Centre during working hours.

Nurses

Smt. Babali Karmakar
 Smt. Neha Sharma

Two Nurses to help doctors and carryout other miscellaneous works.

Medical Technicians, Attendants & Ambulance

Mr. Uday Bhan Singh
 Mr. Ratnesh Kumar Pandey
 Mr. Ashish Kumar Srivastava
 Mr. Anup Kumar Tripathi
 Mr. Rajesh Singh

Medical attendants cum technicians help in Blood testing, and miscellaneous work of health center during working hours.

Clerk:

Smt. Madhu Yadav

3.11 VEHICLE SECTION

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

Cars	Numbers
MUV	01
Bus (52 Seater)	02
Ambulance	01
Car	02

Facilities Provided

- (i) Bus facility is provided to the students from Institute to Civil Lines on all week days. Buses are also provided for educational tour of students.
- (ii) Bus facility is provided to wards of staff and faculty members to some select schools on select routes on subsidized rates.
- (iii) Vehicles are also provided for any official visit based on the approval given by the competent authority.
- (iv) Vehicle is also provided to staff and faculty members for picking and dropping from/to Railway Station, Bus Stand and Airport on payment basis when they are not in use for official work. The guidelines for availing this facility and requisition slip are provided on the website of the Institute.
- (v) Ambulance facility is free of cost to the students. For staff and faculty members, it is on the subsidized rate of Rs. 5.00 per km.

Bus Service for Students

Bus facility to the students is provided on following route and schedule:

- (i) Institute (MP Hall) → Anand Bhawan → Balson Crossing → Hindu Hostel Crossing → Kamla Nehru Road → Lal Bahadur Shastri Marg → Hot Stuff Crossing → Head Post Office (Civil Lines).
- (ii) Return: same as above but in reverse order.

Terminus

Near "Head Post Office" (Civil Lines)

Schedule

For Saturday and Sunday

Trip No.	From Institute	From Civil Lines
1	11:00 hrs	12:30 hrs
2	14:30 hrs	15:30 hrs
3	17:00 hrs	19:30 hrs
4	20:30 hrs	21:30 hrs

For Monday to Friday

Trip No.	From Institute	From Civil Lines
1	18:00 hrs	19:00 hrs
2	19:30 hrs	20:00 hrs
3	20:30 hrs	21:30 hrs

Stoppage: Ganga gate, Crossing for Prayag Station, Anand Bhawan, Hindu Hostel Crossing, Maha Devi Verma Crossing, Hot-stuff Crossing, Stone Church Crossing.

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

3.12 WOMEN GRIEVANCE CELL AND ICC

Women Grievance Cell has been constituted in accordance with the guidelines issued by Government of India to consider complaints related to any sexual discrimination/ harassment of woman in the Institute. At Motilal Nehru National Institute of Technology Allahabad, various measures are taken to ensure a congenial environment where everyone feels comfortable to perform without any kind of discrimination.

Display of Information

Hoardings have been placed at strategic points in the Institute to highlight what may comprise Sexual Harassment and the penalties to deter occurrence of any such event. Contact details of chairperson are given on the hoarding for everyone's benefit.

In pursuance of the Department of Higher Education, Ministry of Human Resource and Development Office Memorandum No.32-5/2015. TS III dated 17th August, 2015, Two Committees have been formed for dealing with matters of Women Grievances pertaining to employees and students of the Institute:-

Women Advisory Cell (WAC)

Sl. No.	Name	Designation
1.	Prof. Geetika Professor, SMS	Chairperson
2.	Prof. Vijaya Bhadauria Professor, ECED	Member
3.	Dr. Richa Negi, Professor, EED	Member
4.	Dr. Vibhuti Tripathi, Associate Professor, SMS	Member
5.	Dr. Radha Rani Mewaram, Assistant Professor, BTD	Member
6.	Mrs. Manisha Yadav, Assistant Registrar [Acad.]	Member
7.	Ms. Shalini Agrawal, Chief Functionary, NGO Aastha, Allahabad	External Member

Internal Complaints Committee [ICC]

1.	Prof. Geetika, Professor, SMS	Chairperson
2.	Prof. Rakesh Narain Professor, MED	Member
3.	Prof. Vijaya Bhadauria Professor, ECED	Member
4.	Prof. Richa Negi, Professor, EED	Member
5.	Ms Shalini Agarwal, Aastha NGO, Allahabad	External Member

In the year under report 4 meetings were held to deal with various issues. A total of 02 complaints were received from students against stalking by fellow students. The matter was investigated and warning letter was issued to the erring students. The female students were satisfied and no further complaints were received.

Activities

Two major activities were organized:

1. Short term Training Programme on Self Defense Skills for female students

- (i) Short Term Training Program on Self Defense Skills was held for 1st year female students from 30 July to 3 August 2018. A total of 50 Students participated in the program. It was organized as an integral activity of the Orientation Programme of 1st year

students, so as to build confidence and awareness in first year girl students.

- (ii) STTP on Self Defense skills for female students of all other batches was held from 6-10 August 2018. Participants included PhD. M.Tech and B.Tech students.

The participating students highly appreciated the programme. The trainer for the two programmes was a professionally qualified physical trainer. TEQIP III provided the financial support.

The organising team comprised Prof. Geetika, Prof. Vijaya Bhaduria, Prof. Richa Negi, Dr. Manisha Sachan and Dr. Shaline Shukla.

2. Workshop on Gender Sensitivity at Workplace, GSW-2019.

One day workshop for faculty, staff and students was organized on 11th August 2018. The title of workshop was 'Gender sensitivity at Workplace-GSW 2019'. External experts delivered lecture on the issue and enlightened the participants on proper behavior with female colleges and women in general. A total of 180 person participated.

Sri Amtabha, DRM, NCR Allahabad was the Chief Guest. Dr. Anju Gupta, Director NCWEB, was the Keynote Speaker. Prof. Rajeev Tripathi, Director MNNIT presided over the event

3.13 ALUMNI

Activities organized by Alumni Association during 1st April 2018 to 31st March 2019:

Felicitation of Successful Alumni in ECE-2018

S. No.	Name	Branch	Pass out Year
1.	Sutirtho Boral	Electronics & Communication Engineering (M.Tech)	2017
2.	Anadi Mittal	Civil Engineering	2015
3.	Pranjal Kesharwani	Civil Engineering	2016
4.	Priyanjul Shukla	Civil Engineering	2016
5.	Vidit Singh	Civil Engineering	2016
6.	Deepak Singh Chauhan	Electrical Engineering	2017
7.	Pushpendra Singh	Civil Engineering	2017
8.	Kavya Paliwal	Electronics & Communication Engineering (M.Tech)	2017

Other Activities

- (i) Installation of MNNIT Alumni Association camp in Kumbh Mela-2019 from January 10, 2019 to March 05, 2019.
- (ii) Financial Assistance to "Anokhi Pahal-2018".

Executive Committee Meeting

- (i) The Second meeting of the Executive Committee was held on 07 July, 2018 at 11:00 AM in the Conference room, MNNIT Alumni Association.
- (ii) The Third meeting of the Executive Committee was held on 13 October, 2018 at 10:30 AM in the Conference room, MNNIT Alumni Association.
- (iii) The Fourth meeting of the Executive Committee was held on 02 March, 2019 at 11:30 AM in the Conference room, MNNIT Alumni Association.

Annual General Meeting (AGM)

Annual General Meeting (AGM) – 2018 was held on 17 November, 2018 at 02:30 PM in M.P. Hall, MNNIT Allahabad, Prayagraj.

Global Alumni Convention

- (i) Press Conference–2018 held on November 15, 2018 at 11:00 PM at Seminar Hall, MNNIT Allahabad, Prayagraj.
- (ii) Global Alumni Convection-2018 held on November 16-18, 2018.

Alumni Felicitation Function-2018 on November 16, 2018

Alumni felicitation was held on November 16, 2018 at 03:00 PM in Institute Seminar Hall.

- (iii) Development of web portal for MNNIT Alumni Association <https://alumni.mnnit.ac.in>.

3.14 CANTEEN

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

- (i) M/s Amit Goyal
- (ii) M/s Rajesh Yadav
- (iii) M/s Ram Pher Yadav
- (iv) M/s Radhey Shyam Dwivedi
- (v) M/s P. K. Talwar
- (vi) M/s Teerath Raj
- (vii) M/s Radhey Shyam Agrawal
- (viii) M/s Anil S. Pillai
- (ix) M/s Raj Bhan Tiwari
- (x) M/s Lal Bahadur
- (xi) M/s Ambika Prasad Ojha
- (xii) M/s Desh Raj
- (xiii) M/s Surendra Nath Yadav
- (xiv) M/s Ashish Agrawal
- (xv) M/s JMD Canteen (Bikanerwala)
- (xvi) M/s Mood Ka Food (Mr. Sanjeev Gupta)
- (xvii) M/s Janta Bazar Control

3.15 SC/ST CELL

SC/ST Cell has been constituted in the Institute to resolve all the affairs and problems related to the SC/ST Officers, Employees, and Students of the Institute.

Composition

(A) Regular members

- (i) Prof. Rakesh Narain, MED Chairman

Capacity

Floor	No. of Rooms / Hall
Ground Floor	02 Dining Hall 08 AC Rooms
1 st Floor	01 Conference Hall 12 AC & 02 Office Room
2 nd Floor	06 AC & 01 Non AC Room
3 rd Floor	09 AC & 01 Non AC Room

- (ii) Dr. S. J. Pawar, AMD Convener
- (iii) Dr. Audhesh Narain, MED Member
- (iv) Dr. Radharani Mewaram, Biotech. Member
- (v) Dr. Pramod Kumar Yadav, Maths Member
- (vi) Sri. Monujeet Dayal, AMD Member
- (vii) Sri. Ranjeet Kumar Nirbhay, Health Centre Member
- (viii) Registrar (ex-officio) Member

(B) Student members for Acad. Year 2018-19

- (i) Mr. Neeraj Gautam, HSS Ph.D. Member
- (ii) Ms. Kirti Kaithwar Girl Member
Chemical Engineering
- (iii) Mr. Nirmal Kr. Gond SMS P.G. Member
- (iv) Mr. Monmohan Chakravarti U.G. Member
CED

3.16 RESERVATION CELL

Reservation Cell takes care of Central Government reservation policy in the recruitment /promotion process. All advertisements for recruitment of faculty/non-faculty is routed through reservation cell. The reservation Cell is created under the direct control of Liaison Officers. Following Liaison Officers have been nominated by the Institute.

Dr. Rakesh Kumar – Liaison Officer, OBCs .

Dr. S. J. Pawar - Liaison Officer, SCs/STs (also looks after PwDs).

3.17 EXECUTIVE DEVELOPMENT CENTRE (EDC)

EDC has 35 AC and 02 Non-AC rooms, 2 Office Rooms, 02 Dining Halls & 01 Conference Hall as per the following layout:

Rates

Cat.	Type of Accommodation	Tariff for Rooms	
		AC	Non-AC
Official	Single Occupancy	` 300/-	` 200/-
	Double Occupancy	` 350/-	` 250/-
Non-official	Single Occupancy	` 500/-	` 400/-
	Double Occupancy	` 600/-	` 450/-

ADMINISTRATIVE BODIES

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

4.1 BOARD OF GOVERNORS

Constitution of the Board of Governors as per Section 11 NIT Act 2007 [29 of 2007]

The Chairperson to be nominated by the Visitor

Prof. Rajeev Tripathi
Director
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004

Chairperson
[upto27.06.2018]

Prof. Devendra Pratap Singh
Distinguished Professor, IIT (BHU)
Varanasi - 221005 (U.P.)

Chairperson
[w.e.f. 28.06.2018]

The Director, Ex-Officio Member

Prof. Rajeev Tripathi
Director
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004

Member

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

The Additional Secretary [TEL]
Department of Higher Education
Ministry of Human Resource Development
Government of India
Shastri Bhawan
New Delhi - 110 001

Member

The Joint Secretary & Financial Advisor
Department of Higher Education
Ministry of Human Resource Development
Government of India
Shastri Bhawan
New Delhi - 110 001

Member

Two persons nominated by the Government of U.P.

Shri Ramniwas Jain, A-2,
Sindhunagar, Kanpur Road
Lucknow- 226023

Member
[w.e.f. 13.09.2018]

Shri Manish Kapoor
62, Gandhinagar, Sagra
Varanasi- 221010

Member
[w.e.f. 13.09.2018]

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

Dr. (Ms.) Madhu Dikshit
Former Director
Central Drug Research Institute, Lucknow
Sector 10, Jankipuram Extension
Sitapur Road,
Lucknow-226031

Member
[upto 02.03.2019]

Dr. (Ms.) Sudeshna Sinha Professor of Physics Indian institute of Science Education & Research, Mohali Knowledge City, Sector 81, SAS Nagar Manauli PO 140306, Mohali	Member [upto 02.03.2019]
---	-----------------------------

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

Prof. Peeush Ranjan Agrawal Professor School of Management Studies Motilal Nehru National Institute of Technology Allahabad Prayagraj – 211004	Member
--	--------

Prof. Laxmi Kant Mishra Professor, Department of Civil Engineering, Motilal Nehru National Institute of Technology Allahabad Prayagraj – 211004	Member
---	--------

The Director of the Indian Institute of Technology in whose zone the Institute is located, or his nominee, not below the rank of a Professor.

Director Indian Institute of Technology Kanpur P.O. - IIT Kanpur, Kanpur – 208016 [INDIA]	Member
--	--------

Registrar of the Institute as Ex-Officio Secretary

Dr. Sarvesh Kumar Tiwari Registrar Motilal Nehru National Institute of Technology Allahabad Prayagraj-211004	Secretary
---	-----------

Four regular and one emergent meetings of the Board of Governors were held during the year 2018-19.

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

Prof. Rajeev Tripathi
Director
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004
Chairman
[upto 27.06.2018]

Prof. Devendra Pratap Singh
Distinguished Professor, IIT (BHU), Varanasi - 221005 (U.P.)
Chairman
[w.e.f. 28.06.2018]

Director, Ex-Officio Member

Prof. Rajeev Tripathi
Director
Motilal Nehru National Institute of Technology Allahabad
Prayagraj-211004
Member

Joint Secretary dealing with NIT or his nominee and Financial Advisor [Human Resource Development] or his nominee members.

The Additional Secretary [TEL]
Department of Higher Education
Ministry of Human Resource Development
Government of India, Shastri Bhawan
New Delhi - 110 001
Member

The Joint Secretary & Financial Advisor
Department of Higher Education
Ministry of Human Resource Development
Government of India, Shastri Bhawan
New Delhi - 110 001
Member

Two persons nominated by the Board from amongst its members

The Director or his nominee
Indian Institute of Technology Kanpur
P.O. - IIT Kanpur,
Kanpur – 208016 [INDIA]
Member

Prof. Peesh Ranjan Agrawal
Professor,
School of Management Studies,
Motilal Nehru National Institute of Technology Allahabad
Prayagraj – 211004
Member

The Registrar, Ex-Officio Member Secretary

Dr. Sarvesh Kumar Tiwari
Registrar
Motilal Nehru National Institute of Technology Allahabad
Prayagraj – 211004
Member Secretary

Four meetings of the Finance Committee were held during the year 2018-19.

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 Chairman of the Committee

Prof. Rajeev Tripathi Director Motilal Nehru National Institute of Technology Allahabad Prayagraj-211004	Chairman
---	----------

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

The Director [NITs] Department of Higher Education, Ministry of Human Resource Development, Shastri Bhawan, New Delhi-110001	Member
---	--------

The Director [Finance] Integrated Finance Division, Department of Higher Education, Ministry of Human Resource Development, Shastri Bhawan, New Delhi-110001	Member
--	--------

One member nominated by the Board of Governors

The Superintending Engineer Indian Institute of Technology Kanpur	Member
--	--------

Dean [Planning and Development] or similar position

Prof. M. M. Gore Dean [Planning & Development] Motilal Nehru National Institute of Technology Allahabad Prayagraj-211004	Member
---	--------

One expert each from Civil and Electrical Engineering wing of Central or State Government or any autonomous body of repute.

Mr. Sanjeev Sehgal Addl. General Manager/Electrical Rail Vikas Nigam Ltd. Lucknow	Member
--	--------

Vacant [since 25.08.2016]	Member
---------------------------	--------

Registrar, Ex-Officio Member Secretary

Dr. Sarvesh Kumar Tiwari Registrar Motilal Nehru National Institute of Technology Allahabad Prayagraj – 211004	Member Secretary
---	------------------

One regular meeting of the Building and Works Committee were held during the year 2018-19.

4.4 SENATE

Constitution of the Senate as per Section 14 of the NITs Act – 2007.

The Director, Ex-Officio, who shall be the Chairman of the Senate.

- | | |
|------------------------------------|----------|
| 1. Prof. Rajeev Tripathi, Director | Chairman |
|------------------------------------|----------|

The Deputy Director, Ex-Officio

- | | |
|-----------------------------|--------|
| 1. Deputy Director [Vacant] | Member |
|-----------------------------|--------|

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

1. Prof. Sudarshan Tiwari	Member	40. Prof. Neeraj Tyagi	Member
2. Prof. S. K. Duggal	Member	41. Prof. Ravi Prakash	Member
3. Prof. Rakesh Narian	Member	42. Prof. Amit Dhawan	Member
4. Prof. Anuj Jain	Member	43. Prof. Shubhi Purwar	Member
5. Prof. R. K. Singh	Member	44. Prof. Shiv Dutt Kumar	Member
6. Prof. R. P. Tiwari	Member	45. Prof. S. S. Narvi	Member
7. Prof. Anil Kumar Sachan	Member	46. Prof. R. K. Nagaria	Member
8. Prof. Sanjay Chaubey	Member	47. Prof. Ravi Prakash Tewari	Member
9. Prof. Ram Pal Singh	Member	48. Prof. S. J. Pawar	Member
10. Prof. Niroj Banerjee	Member	49. Prof. Shivesh Sharma	Member
11. Prof. K. N. Pandey	Member	50. Prof. Anjana Pandey	Member
12. Prof. P. K. Mehta	Member	51. Prof. Anil Kumar Singh	Member
13. Prof. G. K. Mehrotra	Member	52. Prof. D. S. Kushawaha	Member
14. Prof. Y. K. Gupta	Member	53. Prof. D. K. Yadav	Member
15. Prof. Vijay Shanker Tripathi	Member	54. Prof. Sadhana Sachan	Member
16. Prof. Asheesh Kumar Singh	Member	55. Prof. L. K. Mishra	Member
17. Prof. Pankaj Srivastava	Member	56. Prof. Rakesh Kumar	Member
18. Prof. Avanish Kumar Dubey	Member	57. Prof. Raj Mohan Singh	Member
19. Prof. M. K. Khurana	Member	58. Prof. Ram Awadh Mishra	Member
20. Prof. S. K. Poddar	Member	59. Prof. Paulson Samuel	Member
21. Prof. Arvind Agrawal	Member	60. Prof. Rajesh Gupta	Member
22. Prof. Peeush Ranjan Agrawal	Member	61. Prof. Richa Negi	Member
23. Prof. M. M. Gore	Member	62. Prof. Nand Kishor	Member
24. Prof. K. K. Shukla (on deputation)	Member	63. Prof. Ambalika Sinha	Member
25. Prof. Vinod Yadava (on deputation)	Member	64. Prof. S. N. Pandey, Mathematics	Member
26. Prof. Suneeta Agarwal	Member	65. Prof. Manoj Kumar	Member
27. Prof. Geetika	Member	66. Prof. Rajeev Srivastava	Member
28. Prof. P. K. Dutta	Member	67. Prof. Mukul Shukla	Member
29. Prof. Haranath Kar	Member	68. Prof. S. N. Pandey, Physics	Member
30. Prof. P. P. Sahay	Member	69. Prof. Tanuj Nandan	Member
31. Prof. A. K. Singh	Member	70. Prof. Ganesh Pd. Sahu	Member
32. Prof. R. D. Gupta	Member	71. Dr. Sarvesh K. Tiwari, Registrar	Secretary
33. Prof. A. D. Bhatt	Member	72. Prof. Sadhna Sachan,	Special
34. Prof. R. K. Tripathi	Member	Head	Invitee
35. Prof. R. S. Yadav	Member	73. Dr. N. K. Singh,	Special
36. Prof. V. K. Srivastava	Member	Head	Invitee
37. Prof. R. C. Vaishya	Member	74. Dr. Ashutosh Pandey,	Special
38. Prof. H. S. Goyal	Member	Head	Invitee
39. Prof. Vijaya Bhadauria	Member		

- | | | | | | |
|-----|------------------------------|--------------------|----|---|--------|
| 75. | Dr. Animesh K. Ojha,
Head | Special
Invitee | 2. | Prof. S. N. Singh
Professor
Department of Electrical
Engineering, Indian Institute of
Technology Kanpur
Kanpur | 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. Sumathi Rao
Professor 'H'
Department of Physics
Harish-Chandra Research
Institute Chhatnag Road, Jhunsi,
Prayagraj | 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]

Dr. Sarvesh Kumar Tiwari Registrar Motilal Nehru National Institute of Technology Allahabad Prayagraj-211004	Secretary
---	-----------

Two meetings of the Senate were held during the year 2018-19

THE STAFF

- 5.1 Academic Staff**
- 5.2 Administrative Officers**
- 5.3 Technical Staff**
- 5.4 Ministerial Staff**
- 5.5 Supporting Staff**

5.1 ACADEMIC STAFF

Head of Institution

Prof. Rajeev Tripathi

Director

Sl. No.	Name	Professors Department	
1.	Dr. I. K. Bhat	Applied Mechanics	[Retired on 30.04.18]
2.	Dr. K. K. Shukla	Applied Mechanics	[On deputation]
3.	Dr. Anuj Jain	Applied Mechanics	
4.	Dr. Ravi Prakash Tewari	Applied Mechanics	
5.	Dr. P. K. Dutta	Chemistry	
6.	Dr. S. S. Narvi	Chemistry	
7.	Dr. G. K. Mehrotra	Chemistry	
8.	Dr. S. K. Duggal	Civil Engineering	[Retired on 31.10.18]
9.	Dr. R. P. Tiwari	Civil Engineering	
10.	Dr. Anil Kumar Sachan	Civil Engineering	
11.	Dr. A. K. Singh	Civil Engineering	
12.	Dr. R. D. Gupta	Civil Engineering	
13.	Dr. R. C. Vaishya	Civil Engineering	
14.	Dr. Ram Pal Singh	Civil Engineering	
15.	Dr. P. K. Mehta	Civil Engineering	
16.	Dr. Y. K. Gupta	Civil Engineering	
17.	Dr. L. K. Mishra	Civil Engineering	
18.	Dr. Rakesh Kumar	Civil Engineering	
19.	Dr. Raj Mohan Singh	Civil Engineering	
20.	Dr. M. M. Gore	Computer Science Engineering	
21.	Dr. Suneeta Agarwal	Computer Science Engineering	
22.	Dr. R. S. Yadav	Computer Science Engineering	
23.	Dr. Neeraj Tyagi	Computer Science Engineering	
24.	Dr. Anil Kumar Singh	Computer Science Engineering	
25.	Dr. D. S. Kushawaha	Computer Science Engineering	
26.	Dr. D. K. Yadav	Computer Science Engineering	
27.	Dr. Vineeta Agarwal	Electrical Engineering	[Expired on 28.11.18]
28.	Dr. R. K. Singh	Electrical Engineering	
29.	Dr. R. K. Tripathi	Electrical Engineering	
30.	Dr. Shubhi Purwar	Electrical Engineering	
31.	Dr. Paulson Samuel	Electrical Engineering	
32.	Dr. Asheesh Kumar Singh	Electrical Engineering	
33.	Dr. Rajesh Gupta	Electrical Engineering	
34.	Dr. Richa Negi	Electrical Engineering	
35.	Dr. Nand Kishor	Electrical Engineering	[From 17.08.18]
36.	Dr. Sudarshan Tiwari	Electronics & Communication Engineering	[Retired on 31.08.18]
37.	Dr. Rajeev Tripathi [Director]	Electronics & Communication Engineering	
38.	Dr. Haranath Kar	Electronics & Communication Engineering	
39.	Dr. V. K. Srivastava	Electronics & Communication Engineering	
40.	Dr. Vijaya Bhadauria	Electronics & Communication Engineering	
41.	Dr. Amit Dhawan	Electronics & Communication Engineering	
42.	Dr. R. K. Nagaria	Electronics & Communication Engineering	
43.	Dr. Ram Awadh Mishra	Electronics & Communication Engineering	
44.	Dr. Vijay Shankar Tripathi	Electronics & Communication Engineering	

45.	Dr. Niroj Banerjee	Humanities & Social Science	
46.	Dr. Ambalika Sinha	Humanities & Social Science	
47.	Dr. Shiv Dutt Kumar	Mathematics	
48.	Dr. S. N. Pandey	Mathematics	[Retired on 31.01.19]
49.	Dr. Pankaj Srivastava	Mathematics	
50.	Dr. Manoj Kumar	Mathematics	
51.	Dr. R. K. Srivastava	Mechanical Engineering	[Expired on 31.10.18]
52.	Dr. Rakesh Narian	Mechanical Engineering	
53.	Dr. Vinod Yadava	Mechanical Engineering	[On deputation]
54.	Dr. A. D. Bhatt	Mechanical Engineering	
55.	Dr. H. S. Goyal	Mechanical Engineering	
56.	Dr. Ravi Prakash	Mechanical Engineering	
57.	Dr. K. N. Pandey	Mechanical Engineering	
58.	Dr. Avanish Kumar Dubey	Mechanical Engineering	
59.	Dr. Rajeev Srivastava	Mechanical Engineering	
60.	Dr. M. K. Khurana	Mechanical Engineering	
61.	Dr. S. K. Poddar	Mechanical Engineering	
62.	Dr. Mukul Shukla	Mechanical Engineering	[From 16.07.18]
63.	Dr. P. P. Sahay	Physics	
64.	Dr. Sanjay Chaubey	Physics	
65.	Dr. Arvind Agrawal	Physics	[Retired on 31.12.18]
66.	Dr. S. N. Pandey	Physics	
67.	Dr. Shivesh Sharma	Biotechnology	
68.	Dr. Anjana Pandey	Biotechnology	
69.	Dr. Sadhana Sachan	Chemical Engineering	
70.	Dr. P. R. Agrawal	School of Management Studies	
71.	Dr. Geetika	School of Management Studies	
72.	Dr. Tanuj Nandan	School of Management Studies	
73.	Dr. Ganesh Prasad Sahu	School of Management Studies	

ASSOCIATE PROFESSORS		
Sl.No.	Name	Department
1.	Dr. Ramesh Pandey	Applied Mechanics
2.	Dr. Abhishek Kumar	Applied Mechanics
3.	Dr. Akshoy Ranjan Paul	Applied Mechanics
4.	Dr. Ajaya Bharti	Applied Mechanics
5.	Dr. Anindya Bhar	Applied Mechanics
6.	Dr. V. Murari	Applied Mechanics
7.	Dr. Ashutosh Kumar Upadhyay	Applied Mechanics
8.	Dr. S. J. Pawar	Applied Mechanics
9.	Dr. Nand Kumar Singh	Biotechnology
10.	Dr. Vishnu Agarwal	Biotechnology
11.	Dr. Sangeeta Negi	Biotechnology
12.	Dr. Manisha Sachan	Biotechnology
13.	Dr. Seema Nara	Biotechnology
14.	Dr. Mohd Siraj Alam	Chemical Engineering
15.	Dr. Sushil Kumar	Chemical Engineering
16.	Dr. Ashutosh Pandey	Chemistry
17.	Dr. Tamal Ghosh	Chemistry
18.	Dr. Kumar Venkatesh	Civil Engineering
19.	Dr. Nek Ram Rawal	Civil Engineering

20.	Dr. Gautam Ghosh	Civil Engineering
21.	Dr. Priya Ranjan Pal	Civil Engineering
22.	Dr. Rama Shankar	Civil Engineering
23.	Dr. Shalinee Shukla	Civil Engineering
24.	Dr. Varun Singh	Civil Engineering
25.	Dr. Hemant Kumar Pandey	Civil Engineering
26.	Dr. Mayank Pandey	Computer Science Engineering
27.	Dr. Anoj Kumar	Computer Science Engineering
28.	Mr. Rajesh Tripathi	Computer Science Engineering
29.	Mr. Manoj Wairiya	Computer Science Engineering
30.	Dr. Nitin Singh	Electrical Engineering
31.	Dr. V. Krishna Rao	Electronics & Communication Engineering
32.	Dr. Arvind Kumar	Electronics & Communication Engineering
33.	Dr. Basant Kumar	Electronics & Communication Engineering
34.	Dr. Sanjeev Rai	Electronics & Communication Engineering
35.	Dr. Manish Tiwari	Electronics & Communication Engineering
36.	Dr. Arun Prakash	Electronics & Communication Engineering
37.	Dr. Yogendra Kumar Prajapati	Electronics & Communication Engineering
38.	Dr. Santosh Kumar Gupta	Electronics & Communication Engineering
39.	Mr. Asim Mukharjee	Electronics & Communication Engineering
40.	Dr. Rajesh Kumar Shastri	Humanities & Social Science
41.	Dr. Ravindra Tripathi	Humanities & Social Science
42.	Dr. Jyotsna Sinha	Humanities & Social Science
43.	Dr. Gorakh Nath	Mathematics
44.	Dr. Mukesh Kumar	Mathematics
45.	Dr. Pramod Kumar Yadav	Mathematics
46.	Dr. Sahadev Padhye	Mathematics
47.	Dr. Pitam Singh	Mathematics
48.	Dr. Audhesh Narain	Mechanical Engineering
49.	Dr. Samir Saraswati	Mechanical Engineering
50.	Dr. S. Bhola Nath Mishra	Mechanical Engineering
51.	Dr. Praveen Kumar Agrawal	Mechanical Engineering
52.	Dr. Rabindra Kumar Patel	Mechanical Engineering
53.	Dr. Dharmendra Kumar Shukla	Mechanical Engineering
54.	Dr. Jagadish Chandra Mohanta	Mechanical Engineering
55.	Dr. Manish Gupta	Mechanical Engineering
56.	Dr. Naresh Kumar	Physics
57.	Dr. Animesh Kumar Ojha	Physics
58.	Dr. Tripti Singh	School of Management Studies
59.	Dr. VibhutiTripathi	School of Management Studies

Assistant Professors		
Sl. No.	Name	Department
1.	Dr. Vivek Kumar Patel	Applied Mechanics
2.	Dr. Radha Rani Mewaram	Biotechnology
3.	Dr. Ashutosh Mani	Biotechnology
4.	Dr. Ambak Kumar Rai	Biotechnology
5.	Dr. Sameer Srivastava	Biotechnology
6.	Dr. Suantak Kamsonlian	Chemical Engineering
7.	Dr. Ashish Nivrittinath Sawarkar	Chemical Engineering
8.	Dr. Harinder Singh	Chemical Engineering

9.	Dr. Ankur Gaur	Chemical Engineering
10.	Dr. Shabih-Ul-Hasan	Chemical Engineering
11.	Dr. Debolina Basu	Civil Engineering
12.	Dr. Kumar Pallav	Civil Engineering
13.	Dr. Vishwajeet Pratap Singh	Civil Engineering
14.	Dr. Vijay Kumar	Civil Engineering
15.	Dr. Anupam Rawat	Civil Engineering
16.	Dr. Krishna Kumar Mishra	Computer Science Engineering
17.	Dr. Ranvijay	Computer Science Engineering
18.	Dr. Shashank Srivastava	Computer Science Engineering
19.	Dr. Divya Kumar	Computer Science Engineering
20.	Dr. Shashwati Banerjee	Computer Science Engineering
21.	Dr. Dinesh Singh	Computer Science Engineering
22.	Dr. Dushyant Kumar Singh	Computer Science Engineering
23.	Dr. Pragya Dwivedi	Computer Science Engineering
24.	Dr. Rupesh Kumar Dewang	Computer Science Engineering
25.	Dr. Rajitha B.	Computer Science Engineering
26.	Dr. S. R. Mohanty	Electrical Engineering
27.	Dr. Deepak Kumar	Electrical Engineering
28.	Dr. Navneet Kumar Singh	Electrical Engineering
29.	Dr. Niraj Kumar Choudhary	Electrical Engineering
30.	Dr. M. Venkatesh Naik	Electrical Engineering
31.	Dr. Karuppanan P.	Electronics & Communication Engineering
32.	Dr. Shweta Tripathi	Electronics & Communication Engineering
33.	Dr. Rajeev Gupta	Electronics & Communication Engineering
34.	Sri Mohammad Kaifi	Electronics & Communication Engineering
35.	Dr. Vadthiya Narendar	Electronics & Communication Engineering
36.	Dr. Ramji Dwivedi	GIS Cell
37.	Dr. Manohar Yadav	GIS Cell
38.	Dr. Sonam Agarwal	GIS Cell
39.	Dr. Buddakkagari Vasu	Mathematics
40.	Dr. Surabhi Tiwari	Mathematics
41.	Dr. Vandana Agrawal	Mechanical Engineering
42.	Dr. Venketeshwara Rao Koma	Mechanical Engineering
43.	Dr. Rahul Dev	Mechanical Engineering
44.	Dr. Sunil Kumar Gupta	Mechanical Engineering
45.	Dr. Pragya Shandilya	Mechanical Engineering
46.	Dr. Bireswar Paul	Mechanical Engineering
47.	Dr. Manoj Kumar Gupta	Mechanical Engineering
48.	Dr. Bhore Skylab Pavalas	Mechanical Engineering
49.	Dr. Jitendra Narayan Gangwar	Mechanical Engineering
50.	Sri Binayaka Nahak	Mechanical Engineering

Heads of the Departments			
Sl. No.	Name	Department	Remarks
1.	Prof. S. J. Pawar	Applied Mechanics	
2.	[i] Prof. Shivesh Sharma	Biotechnology	upto 16.10.2018
	[ii] Dr. Nand Kishor Singh	Biotechnology	w.e.f. 17.10.2018
3.	[i] Prof. G. K. Mehrotra	Chemistry	upto 08.04.2018
	[ii] Dr. Ashutosh Pandey	Chemistry	w.e.f. 09.04.2018
4.	[i] Prof. S. S. Narvi	Chemical Engineering	upto 16.04.2018

	[ii]	Dr. Mohd. Siraj Alam	Chemical Engineering	w.e.f. 17.04.2018
5.	[i]	Prof. Neeraj Tyagi	Computer Science & Engineering	upto 30.06.2018
	[ii]	Prof. Anil Kumar Singh	Computer Science & Engineering	w.e.f. 01.07.2018
6.		Prof. R. D. Gupta	Civil Engineering	
7.		Prof. Paulson Samuel	Electrical Engineering	
8.		Prof. Vijaya Bhadauria	Electronics & Communication Engineering	
9.	[i]	Prof. Suneeta Agarwal	Chairperson, GIS Cell	upto 31.07.2018
	[ii]	Prof. R. P. Tiwari	Chairperson, GIS Cell	w.e.f. 01.08.2018
10.		Prof. Niroj Banerji	Humanities & Social Sciences	
11.		Prof. A. D. Bhatt	Mechanical Engineering	
12.		Prof. Manoj Kumar	Mathematics	
13.	[i]	Prof. Arvind Agarwal	Physics	upto 04.11.2018
	[ii]	Dr. Animesh Kr. Ojha	Physics	w.e.f. 05.11.2018
14.		Prof. G. P. Sahu	School of Management Studies	

Deans			
Sl. No.	Name	Division	Remarks
1.	Prof. R. K. Tripathi	Dean [Academic]	
2.	Prof. M. M. Gore	Dean [Planning & Development]	
3.	Prof. Geetika	Dean [Research & Consultancy]	
4.	Prof. P. R. Agarwal	Dean [Faculty Welfare]	
5.	[i] Prof. R. K. Singh	Dean [Student Welfare]	upto 26.06.2018
	[ii] Prof. K. N. Pandey	Dean [Student Welfare]	w.e.f. 02.07.2018
6.	[i] Prof. M. M. Gore	Dean [Resource Generation & International Affairs]	upto 31.07.2018
	[ii] Prof. A. K. Singh	Dean [Resource Generation & International Affairs]	w.e.f. 01.08.2018

5.2 ADMINISTRATIVE OFFICERS

Sl. No.	Name	Designation	Remarks
1.	Dr. Sarvesh K. Tiwari	Registrar	
2.	Shri Uma Shankar	Dy. Registrar (Academic)	
3.	Mrs. Manisha Yadav	Assistant Registrar	
4.	Dr. Shwetank Parihar	Assistant Registrar	
5.	Shri Satyajeet Kumar	Assistant Registrar	
6.	Shri Gyanendra Kumar Tiwari	Assistant Registrar	
7.	Shri Manas Agrawal	Assistant Registrar	
8.	Shri Mohd. Danish Ansari	Assistant Registrar	
9.	Shri Manish Kumar	Executive Engineer	
10.	Shri Arvind Kumar Singh	Engineer [Electrical Maintenance]	
11.	Shri Raghvendra Singh	SAS Officer	
12.	Dr. S. P. Verma	SAS Officer	
13.	Shri Abhay Singh	Programmer	
14.	Shri Satanand Yadav	Foreman	[Retired on 28.02.2019]
15.	Shri Ritesh Sahu	Dy. Librarian	
16.	Shri Arvind Kant Singh	Assistant Librarian	

5.3 TECHNICAL STAFF

Technical Assistant [SG-I]

1. Shri Trivikram
2. Shri D. K. Dwivedi

3. Shri Shri Kant

Technical Assistant [SG-II]

1. Shri A. K. Agrawal
2. Shri Sanjay Singh

Technical Assistant

1. Smt. Anju Jha
2. Shri Ashutosh Kr. Gupta
3. Shri Manoj Singh Bonal
4. Smt. Sangeeta Rani
5. Shri Chedi Lal Patel

Senior Technical Assistant

1. Shri Harish Chandra
2. Shri S. N. Chaturvedi
3. Shri Pankaj Sikka

Assistant Engineer

1. Shri K. N. Singh [Retired on 30.11.18]

Junior Engineer [Civil Maintenance]

1. Shri Sanjay Singh

Technician [SG-I]

1. Shri Gyanandra Singh
2. Shri Om Prakash [Retired on 30.06.18]
3. Shri R. K. Sharma

Technician [SG-II]

1. Shri Algoo Prasad
2. Shri Keshav Kumar
3. Shri Diwakar Tiwari
4. Shri Man Singh
5. Shri Kanhaiya Lal
6. Shri Gopal Ram
7. Shri Ram Chandra-II
8. Shri Om Prakash Parashar

Senior Technician

1. Shri Kamla Prasad
2. Shri Moti Lal
3. Shri Rakesh Gupta
4. Shri Manoj Kr. Tripathi
5. Shri Hari Shanker
6. Shri Lal Bahadur Yadav
7. Shri Ram Saijwan [Retired on 31.12.18]
8. Shri Shiv Murat Yadav
9. Shri Ram Bahadur Yadav
10. Shri. D. N. Pandey [Retired on 31.12.18]
11. Shri Satya Narain Singh

12. Shri Brijesh Kumar
13. Shri Rama Shankar Gupta

Senior Pharmacist

1. Shri Vinod Kumar Mishra
2. Shri Ranjeet Kumar Nirbhai

5.4 MINISTERIAL STAFF

Senior Superintendent

1. Shri Ganga Prasad

Superintendent

1. Shri Banwari Lal
2. Shri H. I. Malik
3. Shri Girja Shankar [Retired on 30.06.18]
4. Shri Sangam Lal Kushwaha
5. Shri Vivekanand
6. Shri Tribhwan N. Tripathi [Retired on 31.01.19]
7. Shri Amar Singh Yadav
8. Shri Shailendra Kumar Gaur
9. Shri Srikant
10. Shri Anirudh Kr. Chaudhary

Assistant [SG-I]

1. Shri Shyam Babu
2. Shri Anil Kumar
3. Shri Mewalal
4. Shri Chandrabhan
5. Shri Shiv Karan Patel
6. Shri Amrit Lal
7. Shri Subhas Ram [Retired on 30.11.18]

Assistant [SG-II]

1. Shri Sanjay Yadav

Senior Assistant

1. Shri A. V. Pathak
2. Shri Vijai Pal
3. Shri Mohd. Saqib
4. Shri Bechan Ram [Retired on 30.04.18]
5. Shri Sangam Lal
6. Shri Anant Kumar Tiwari
7. Smt. Veena Singh
8. Smt Madhu Yadav
9. Shri Vinod Kumar
10. Shri Deepak Kumar

Junior Assistant

1. Shri Prem Chand

Senior Secretary

1. Shri Nirmal Kumar Shukla

Secretary

1. Shri Ram Baran

5.5 SUPPORTING STAFF

Attendant

1. Shri T. N. Shukla
2. Shri Om Prakash Yadav
3. Shri S. R. Kushwaha
4. Shri Riyaz Ahmad
5. Shri. Tribhuvan Singh Yadav
6. Shri Mahesh Kumar
7. Shri Jeet Lal II
8. Shri Ram Nath
9. Shri Naresh Chandra
10. Shri D. S. Mishra
11. Shri K. P. Maurya
12. Shri R. S. Pal
13. Shri Ram Dulare
14. Shri Satya Narain
15. Shri Sudhakar Tiwari
16. Shri Raja Ram
17. Shri Phool Chandra [Retired on 31.07.18]
18. Shri Om Prakash
19. Shri Paras Nath Saroj [Retired on 30.11.18]
20. Shri Jagdish Prasad
21. Shri Masuriya Deen Maurya
22. Shri Radhey Shyam
23. Shri Rajendra Kumar
24. Shri Ramesh
25. Smt. Sheela
26. Shri Ram Dulare
27. Smt. Nirmala Devi
28. Shri Ranjeet
29. Shri Shankar Lal
30. Shri Anil
31. Shri Suresh
32. Shri Raju
33. Shri Parkash
34. Shri Rajendra Prasad
35. Shri Pappu Lal
36. Shri Rajesh
37. Shri Mohan Lal
38. Shri Banwari Lal
39. Shri Sangam Lal Yadav
40. Shri Brij Mohan Yadav [Retired on 31.07.18]
41. Shri Ram Mani Yadav
42. Shri Laloo
43. Shri Raj Narian Kashyap
44. Smt Urmila Devi
45. Shri Jahli Singh
46. Shri Duryodhan Lal
47. Shri Nand Lal Prajapati
48. Shri H.C. Maurya
49. Shri Nand Lal
50. Shri Monu Jeet Dayal
51. Shri Ramakant Pal
52. Shri Hari Lal Yadav
53. Shri Jagan Nath alias Lallu [Retd. on 31.01.19]
54. Shri Hausala Prasad
55. Shri Shobh Nath Maurya
56. Shri Jag Lal [Retd. on 31.12.18]
57. Shri Gulab Chandra
58. Shri Pawan Kumar Mishra
59. Smt Geeta Devi
60. Shri Ram Sanahi Maurya
61. Smt. Kaushalya Devi
62. Shri Om Parkash Yadav
63. Shri Rajendra Prasad
64. Shri Suraj
65. Shri Shyam Lal Pal
66. Shri Ram Jatan Maurya

ACADEMIC PROGRAMMES

- 6.1 Bachelor of Technology (B.Tech.)**
- 6.2 Master of Technology (M.Tech.)**
- 6.3 Master of Business Administration (M.B.A.)**
- 6.4 Master of Computer Applications (M.C.A.)**
- 6.5 Master of Science (M.Sc.)**
- 6.6 Doctoral Programmes (Ph.D.)**

6.1 BACHELOR OF TECHNOLOGY (B.TECH.)

DEGREE COURSES (4 YEARS / 8 SEMESTERS)

- (i) Biotechnology
- (ii) Chemical Engineering
- (iii) Civil Engineering
- (iv) Computer Science Engineering
- (v) Electrical Engineering
- (vi) Electronics and Communication Engineering
- (vii) Information Technology
- (viii) Mechanical Engineering
- (ix) Production & Industrial Engineering

6.2 MASTER OF TECHNOLOGY (M.TECH.) DEGREE COURSE

Regular (2 Years/ 4 Semesters)

Applied Mechanics Department

- (i) Applied Mechanics
- (ii) Biomedical Engineering
- (iii) Fluids Engineering
- (iv) Material Science and Engineering

Biotechnology Department

- (i) Biotechnology

Chemical Engineering Department

- (i) Chemical Engineering

Civil Engineering Department

- (i) Civil Engineering (Environmental Engineering)
- (ii) Civil Engineering (Geo-Technical Engineering)
- (iii) Civil Engineering (Structural Engineering)
- (iv) Civil Engineering (Environmental Geo-technology)

Computer Science Engineering Department

- (i) Computer Science Engineering
- (ii) Software Engineering
- (iii) Information Security

Electrical Engineering Department

- (i) Electrical Engineering (Control & Instrumentation)
- (ii) Electrical Engineering (Power Electronics & ASIC Design)

- (iii) Electrical Engineering (Power System)

Electronics and Communication Engineering Department

- (i) Electronics Engineering (Digital System)
- (ii) Electronics Engineering (Microelectronics and VLSI Design)
- (iii) Electronics Engineering (Communication System)

Mechanical Engineering Department

- (i) Mechanical Engineering (Design Engineering)
- (ii) Mechanical Engineering (Production Engineering)
- (iii) Mechanical Engineering (Computer Aided Design and Manufacturing)
- (iv) Mechanical Engineering (Product Design & Development)
- (v) Mechanical Engineering (Thermal Engineering)

GIS Cell

- (i) GIS and Remote Sensing

Part-Time (3 Years/ 6 Semesters)

Civil Engineering Department

- (i) Civil Engineering (Environmental Engineering)

Computer Science Engineering Department

- (i) Software Engineering

Electrical Engineering Department

- (i) Electrical Engineering (Power Electronics & ASIC Design)

Mechanical Engineering Department

- (i) Mechanical Engineering (Production Engineering)

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

Following specializations are offered:

- (i) Finance
- (ii) Marketing
- (iii) Human Resource
- (iv) Systems
- (v) Productions and Operations

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

**6.5 MASTER OF SCIENCE (M.Sc.),
(2 Years/ 4 Semesters)**

1. Mathematics and Scientific Computing.

6.6 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, a number of non-stipendiary admission to these Doctoral Programmes is 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.

STUDENTS' DETAILS

- 7.1 Intake**
- 7.2 Admission Procedure**
- 7.3 Programme-wise Enrolment**
- 7.4 Student Strength for U.G./ P.G./ Ph.D. Programmes**
- 7.5 Performance in Examination**
- 7.6 Gold Medals**

7.1 INTAKE:

Name of Programme	Branch	Intake
Bachelor of Technology (B.Tech.)	Biotechnology	46
	Chemical Engineering	46
	Civil Engineering	98
	Computer Science and Engineering	170
	Electrical Engineering	85
	Electronics and Communication Engineering	139
	Information Technology	102
	Mechanical Engineering	141
	Production and Industrial Engineering	51
Master of Technology (M.Tech.)	Including All Branches (25)	475
Master of Computer Application (MCA)	NA	93
Master of Business Administration (MBA)	NA	62
Master of Science (M.Sc.)	Mathematics and Scientific Computing	23
Doctor of Philosophy (Ph.D.)	Including All Branches	92
Total Student Intake (per year)		1623

7.2 ADMISSION PROCEDURE

S. No.	Programme	Admission Through
1.	B.Tech.	JEE (Mains) (CSAB/JoSAA, DASA, ICCR, MEA, etc.)
2.	M.Tech.	CCMT
3.	MCA	NIMCET
4.	MBA	CAT & GD/PI
5.	M.Sc.	JAM / CCMN
6.	Ph.D.	Institute Entrance Examination and QIP Centre

7.3 COURSES-WISE ENROLMENT WITH GENDER, CATEGORY WISE BREAK-UP

Sl. No.	Programme UG	Intake	Males			Females			Total		
			Gen.	OBC	SC/ST	Gen.	OBC	SC/ST	Gen.	OBC	SC/ST
1.	B.Tech. 1 st Year	878	376	202	168	65	34	29	441	236	197
2.	B.Tech. 2 nd Year	814	365	211	170	38	10	13	403	221	183
3.	B.Tech. 3 rd Year	814	334	184	155	51	30	21	385	214	176
4.	B.Tech. 4 th Year	814	319	202	156	68	29	25	387	231	181
Total			1394	799	649	222	103	88	1616	902	737

Additional Foreign Admission in UG Programme through DASA, ICCR, etc.

Sl. No.	Programme UG	Males	Females	Total
1.	B.Tech. 1 st Year	55	21	76
2.	B.Tech. 2 nd Year	61	10	71
3.	B.Tech. 3 rd Year	87	11	98
4.	B.Tech. 4 th Year	102	21	123
Total		305	63	368

P. G. Programme

Sl. No.	Programme	Intake	Males			Females			Total		
			Gen.	OBC	SC/ST	Gen.	OBC	SC/ST	Gen.	OBC	SC/ST
1.	M.Tech. 1 st Year	475	165	98	69	33	12	10	198	110	79

2.	M.Tech. 2 nd Year	475	169	113	83	22	17	06	191	130	89
Total			334	211	152	55	29	16	389	240	168

Sl. No.	Programme	Intake	Males			Females			Total		
			Gen.	OBC	SC/ST	Gen.	OBC	SC/ST	Gen.	OBC	SC/ST
1.	MCA 1 st Year	93	31	18	12	15	07	07	46	25	19
2.	MCA 2 nd Year	93	27	17	14	16	08	05	43	25	19
3.	MCA 3 rd Year	93	25	17	15	22	08	05	47	25	20
Total			83	52	41	53	23	17	136	75	58

Sl. No.	Programme	Intake	Males			Females			Total		
			Gen.	OBC	SC/ST	Gen.	OBC	SC/ST	Gen.	OBC	SC/ST
1.	MBA 1 st Year	62	21	04	04	06	03	02	27	07	06
2.	MBA 2 nd Year	62	15	08	07	08	00	00	23	08	07
Total			36	12	11	14	03	02	50	15	13

Sl. No.	Programme	Intake	Males			Females			Total		
			Gen.	OBC	SC/ST	Gen.	OBC	SC/ST	Gen.	OBC	SC/ST
1.	M.Sc. 1 st Year	23	04	04	02	07	03	01	11	07	03
2.	M.Sc. 2 nd Year	23	05	05	02	03	00	01	08	05	03
Total			09	09	04	10	03	02	19	12	06

Ph.D. Admission in Odd Semester 2018-19

Sl. No.	Programme Ph.D.	Intake	Males			Females			Total		
			Gen.	OBC	SC/ST	Gen.	OBC	SC/ST	Gen.	OBC	SC/ST
1.	Course Code 11	92	30	18	10	13	06	04	43	24	14
2.	Course Code 12	28	03	00	02	06	01	00	09	01	02
3.	Course Code 13	28	01	00	00	00	00	00	01	00	00
Total			34	18	12	19	07	04	53	25	16

Course Code 11 : Institute Stipendiary Full-time Research Scholar

Course Code 12 : Self-financed Full-time Research Scholar

Course Code 13 : Sponsored Full-time Research Scholars

Ph.D. Admission in Even Semester 2018-19

Sl. No.	Programme Ph.D.	Intake	Males			Females			Total		
			Gen.	OBC	SC/ST	Gen.	OBC	SC/ST	Gen.	OBC	SC/ST
1.	Course Code 11	12	00	01	02	00	00	00	00	01	02
2.	Course Code 12	10	01	00	00	01	00	00	02	00	00
3.	Course Code 13	27	00	00	00	00	00	00	00	00	00
Total			01	01	02	01	00	00	02	01	02

Course Code 11 : Institute Stipendiary Full-time Research Scholar

Course Code 12 : Self-financed Full-time Research Scholar

Course Code 13 : Sponsored Full-time Research Scholars

7.4 STUDENT STATISTICS FOR UG/PG/Ph.D. PROGRAMMES 2018-19

Programme	Male	Female	Total
B.Tech.	3147 (2842+305)	476 (413+63)	3623 (3255+368)
M.Tech.	697	100	797
MCA	176	93	269

MBA	59	19	78
M.Sc.	22	15	37
Ph.D.	68	31	99
Total	4169	734	4903

7.5 STUDENT STRENGTH 2018-19

Courses	Actual Student Strength
B.Tech.	3623
M.Tech.	797
MCA	269
MBA	78
M.Sc.	37
Ph.D.	99
Total	4903

7.6 PERFORMANCE IN EXAMINATION (PASSING OUT BATCH 2017-18)

Courses	Appeared	Passed
B.Tech.	871	854
M.Tech.	303	279
MCA	85	85
MBA	38	38
M.Sc.	17	17
MSW	11	11
Ph.D.	63	63
Total	1388	1347

7.7 GOLD MEDALS

Gold Medals for Post Graduate Examination-2018

- Gold Medal awarded to Mr. Jatin Bhatia (Registration No. 2016AM02) for standing first at M.Tech. Applied Mechanics, Final Examination 2018. (CPI 8.55)
- Gold Medal awarded to Mr. Shagun Varshney (Registration No. 2016BM01) for standing first at M.Tech. Biomedical Engineering, Final Examination 2018. (CPI 8.70)
- Gold Medal awarded to Mr. Akshay Tiwari (Registration No. 2016FE09) for standing first at M.Tech. Fluids Engineering, Final Examination 2018. (CPI 9.15)
- Gold Medal awarded to Mr. Deepak Singh (Registration No. 2016MT14) for standing first at M.Tech. Material Science & Engineering, Final Examination 2018. (CPI 9.15)
- Gold Medal awarded to Ms. Aishwarya Sharma (Registration No. 2016BT05) for standing first at M.Tech. Biotechnology, Final Examination 2018. (CPI 9.15)
- Gold Medal awarded to Mr. Antarim Dutta (Registration No. 2016CL04) for standing first at M.Tech. Chemical Engineering, Final Examination 2018. (CPI 9.35)
- Gold Medal awarded to Mr. Krishna Kumar Singh (Registration No. 2016EN03) for standing first at M.Tech. Civil Engineering (Environmental Engineering), Final Examination 2018. (CPI 9.60)
- Gold Medal awarded to Ms. Shipra Sinha (Registration No. 2016GE02) for standing first at M.Tech. Civil Engineering (Geotechnical Engineering), Final Examination 2018. (CPI 9.60)
- Gold Medal awarded to Mr. Lovneesh Modi (Registration No. 2016ST02) for standing first at M.Tech. Civil Engineering (Structural Engineering), Final Examination 2018. (CPI 8.90)
- Gold Medal awarded to Mr. Rupesh Kumar Yadav (Registration No. 2016TR06) for standing first at M.Tech. Civil Engineering (Transportation Engineering), Final Examination 2018. (CPI 8.70)

11. Gold Medal awarded to Ms. Meenakshi Srivastava (Registration No. 2016CS03) for standing first at M.Tech. Computer Science & Engineering, Final Examination 2018. (CPI 8.85)
12. Gold Medal awarded to Mr. Yashendra Shiv (Registration No. 2016IS18) for standing first at M.Tech. Information Security, Final Examination 2018. (CPI 8.80)
13. Gold Medal awarded to Ms. Ransing Abhilasha Bhausahab (Registration No. 2016SW11) for standing first at M.Tech. Software Engineering, Final Examination 2018. (CPI 9.20)
14. Gold Medal awarded Mr. Ishaan Mudgal (Registration No. 2016EE15) for standing first at M.Tech. Electrical Engineering (Control & Instrumentation), Final Examination 2018. (CPI 9.35)
15. Gold Medal awarded to Mr. Ujjwal Mishra (Registration No. 2016PE03) for standing first at M.Tech. Electrical Engineering (Power Electronics and Drives), Final Examination 2018. (CPI 9.20)
16. Gold Medal awarded to Mr. Gyana Ranjan Behera (Registration No. 2016PS08) for standing first at M.Tech. Electrical Engineering (Power System), Final Examination 2018. (CPI 9.50)
17. Gold Medal awarded to Ms. Chinnala Prasanna (Registration No. 2016CM13) for standing first at M.Tech. Electronics Engineering (Communication Systems), Final Examination 2018. (CPI 9.75)
18. Gold Medal awarded to Mr. Mannava Praveen (Registration No. 2016EL05) for standing first at M.Tech. Electronics Engineering (Digital Systems), Final Examination 2018. (CPI 9.95)
19. Gold Medal awarded to Mr. Narendra Prasad (Registration No. 2016VL12) for standing first at M.Tech. Microelectronics and VLSI Design, Final Examination 2018. (CPI 9.70)
20. Gold Medal awarded to Mr. Shubham Kumar (Registration No. 2016GI02) for standing first at M.Tech. GIS and Remote Sensing, Final Examination 2018. (CPI 9.20)
21. Gold Medal awarded to Ms. Raunaque Paraveen (Registration No. 2016CC03) for standing first at M.Tech. Mechanical Engineering (Computer Aided Design and Manufacturing), Final Examination 2018. (CPI 9.15)
22. Gold Medal awarded to Mr. Aman Gupta (Registration No. 2016DN08) for standing first at M.Tech. Mechanical Engineering (Design Engineering), Final Examination 2018. (CPI 8.95)
23. Gold Medal awarded to Mr. Meiyazhagan N (Registration No. 2016PD09) for standing first at M.Tech. Mechanical Engineering (Product Design and Development), Final Examination 2018. (CPI 8.85)
24. Gold Medal awarded to Mr. Amit Ranjan Hota (Registration No. 2016PR14) for standing first at M.Tech. Mechanical Engineering (Production Engineering), Final Examination 2018. (CPI 9.30)
25. Gold Medal awarded to Mr. Abhishek Mishra (Registration No. 2016TH04) for standing first at M.Tech. Mechanical Engineering (Thermal Engineering), Final Examination 2018. (CPI 9.35)
26. Gold Medal awarded to Mr. Himanshu Bhola (Registration No. 2016MB36) for standing first at Master of Business Administration, Final Examination 2018. (CPI 9.65)
27. Gold Medal awarded to Ms. Roshni Agarwal (Registration No. 2015CA13) for standing first at Master of Computer Applications, Final Examination 2018. (CPI 9.17)
28. Gold Medal awarded to Mr. Satyam Omar (Registration No. 2016MSC11) for standing first at Master of Science (Mathematics & Scientific Computing), Final Examination 2018. (CPI 9.29)
29. Gold Medal awarded to Ms. Sushmita Tripathi (Registration No. 2016MW01) for standing first at Master of Social Work, Final Examination 2018. (CPI 9.52)

GOLD MEDALS FOR UNDER GRADUATE EXAMINATION – 2018

1. Gold Medal awarded to Mr. Manish Awasthi (Registration No. 20140046) for standing first at B.Tech. (Biotechnology), Final Examination 2018. (CPI 8.93)
2. Gold Medal awarded to Mr. Amit Kumar (Registration No. 20140020) for standing first at B.Tech. (Chemical Engineering), Final Examination 2018. (CPI 8.89)
3. Gold Medal awarded to Mr. Prabhakar Kumar (Registration No. 20141083) for standing first

- at B.Tech. (Civil Engineering), Final Examination 2018. (CPI 9.17)
4. Gold Medal awarded to Mr. Rishabh Agarwal (Registration No. 20146002) for standing first at B.Tech. (Computer Science and Engineering), Final Examination 2018. (CPI 9.46)
 5. Gold Medal awarded to Mr. Urjit Lalitkumar Patel (Registration No. 20148035) for standing first at B.Tech. (Information Technology), Final Examination 2018. (CPI 9.08)
 6. Gold Medal awarded to Mr. Pradeep Kumar Srivastava (Registration No. 20142013) for standing first at B.Tech. (Electrical Engineering), Final Examination 2018. (CPI 9.64)
 7. Gold Medal awarded to Mr. Vaibhav Varshney (Registration No. 20145060) for standing first at B.Tech. (Electronics and Communication Engineering), Final Examination 2018. (CPI 9.63)
 8. Gold Medal awarded to Mr. Aman Sharma (Registration No. 20143090) for standing first at B.Tech. (Mechanical Engineering), Final Examination 2018. (CPI 9.67)
 9. Gold Medal awarded to Mr. Zunke Raj Hemant (Registration No. 20146007) for standing first at B.Tech. (Production and Industrial Engineering), Final Examination 2018. (CPI 8.78)

Institute Gold Medal

1. Institute Gold Medal awarded to Mr. Aman Sharma (Registration No. 20143090) of B.Tech. (Mechanical Engineering) for standing first amongst students of all branches of the Institute Final Examination 2018. (CPI 9.67)

Gold Medals–2018 for Under Graduate Programmes

1. Gold Medal awarded to Mr. Tushar Baliyan (Registration No. 20151031) of B.Tech. (Electronics and Communication Engineering) for standing first at B.Tech. Third Year Examination 2018. (CPI 9.68)
2. Gold Medal awarded to Ms. Garima Goel (Registration No. 20169001) of B.Tech. (Electronics and Communication Engineering) for standing first at B.Tech. Second Year Examination 2018. (CPI 9.67)
3. Gold Medal awarded to Mr. Aayush Agarwal (Registration No. 20175028) of B.Tech. (Electronics and Communication Engineering) for standing first at B.Tech. First Year Examination 2018. (CPI 9.72)

RESEARCH AND DEVELOPMENT ACTIVITIES

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

8.1 RESEARCH AND CONSULTANCY (R&C) CELL

Knowledge of latest research innovations is the key for developing the technical manpower of the nation. 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 a variety of consultancy and testing services to various public and private industries and also to construction departments of the State and the Central Governments. The Institute is well-endowed with high-quality equipment and advanced computing facilities. International collaborations with some leading universities and industries by the Institute provide an exciting platform for generating ideas and concepts, which are required for meaningful research.

Over the last decade, rapid advancement in computational power coupled with availability of high end, low cost CAE software, has contributed largely to the development of research and consultancy in different areas of engineering and management at this Institute. Theses and 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:

Sl. No.	Activities
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&D Band DBT.
3.	Recruitment and management of project staff.
4.	Support for special lectures of Academic, Research and Industrial relevance for latest knowledge.
5.	Managing Institute funded research projects 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 organizations including SERB, DBT, CSIR, ICSSR, CST Lucknow, DRDO, ISRO, MNRE, UPPCB, UGC, Deity /Meity & CMC. The Institute has recorded a total 47 no. of ongoing externally funded projects having overall sanctioned cost of Rs. 25,31,65,222. Out of the 47 no. of project, 10 new projects costing Rs. 2,16,79,436 were sanctioned during the year 2018-19. A total Number of 17 projects were completed in the year. **Annexure-9**

8.3 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 Dept., U.P. Jal Nigam, Nagar Nigam, Rites, Allahabad Development Authority, Power Grid Corporation Ltd., Ganga Pollution Control Unit, UP Project Corporation Ltd. and many others. Total fee received from the consultancy project was approx ` 2.69 crore. **Annexure-10.**

8.4 TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME-PHASE-III (TEQIP-III)

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 structure, 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 followed by TEQIP-II. The reform process needs to be sustained and scaled-up for embedding gains in the system and taking the transformation to a higher level TEQIP-III was started.

Objectives

The Project has following objectives:

- (i) Improving quality and equity in engineering Institutions in focus states viz. Low Income States (LIS), eight states in the North-East of India, three Hill states viz. Himanchal Pradesh, Jammu & Kashmir, Uttarakhand and Andaman and Nicobar Island (a Union Territory).
- (ii) System-level initiatives to strengthen sector governance and performance which include widening the scope of Affiliating Technical Universities (ATU) to improve their policy, academic and management practices towards affiliated institutions, and.
- (iii) Twinning Arrangements to Build Capacity and Improve Performance of Institutions and ATUs participating in focus states.

During the year 2018-19, there were around 17 Conferences/ Seminars/ Workshops/ Short Term Courses are conducted in the Institute under TEQIP-III.

8.5 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. With several layers of collaboration being built by the government to develop the Make in India program, the manpower needs have to be fulfilled in order to witness the required development. Though

availability of manpower is abundant in India, well equipped manpower with employability skills is the need of the hour

There is a need to create avenues for a close academia and industry interaction through all the phases of technology development, starting from conceptualizing to commercialization. The main objectives of the Cell are:

- (i) Visits of faculty to different industries for getting first hand technological information and industrial exposure to tune their knowledge to cope with the industrial culture.
- (ii) Visits of industry executives and practicing engineers to the Institute for study of research work, laboratories, discussions and delivering lectures on subjects of mutual interest.
- (iii) Undergraduate and post graduate projects/dissertation work in industries under joint guidance of the faculty and experts from industry.
- (iv) Organizing Workshops, conferences and symposia with joint participation of the faculty and the industries.
- (v) Participation of industrial experts for modification of the curriculum to cater the present needs of industries.

The III Cell encourages its faculty, technicians and students to interact with industry in all possible ways with the spirit of deriving mutual benefit and forging continuing links with experts from different fields of expertise for knowledge sharing.

SCHOLARSHIP AND ASSISTANTSHIP PROVIDED TO STUDENTS

- 9.1 Financial Help from the Institute for the Financial Year 2018-19**
- 9.2 Scholarship and Assistantship from External Agencies**

9.1 FINANCIAL HELP FROM THE INSTITUTE FOR THE FINANCIAL YEAR 2018-19

- (i) Rs.4,00,000.00 was given to the financially weaker students as financial aid from student welfare fund.
- (ii) Merit scholarship of Rs.5,34,000.00 was given to 178 students.
- (iii) During the financial year 2018-19 Gold Medals worth Rs.71,090.00 were awarded to 28 students.

9.2 SCHOLARSHIP AND ASSISTANTSHIP FROM EXTERNAL AGENCIES.

- (i) Rs. 1,21,504.00 was sanctioned to ST students by Ministry of Tribal Affairs, New Delhi.
- (ii) Rs. 8,93,912.00 was sanctioned to SC students by Ministry of Social Justice and Empowerment, New Delhi.

Scholarship from U.P. Government, and other scholarship given are as follows:

Sl. No.	Department	Place	No. of Students	Total Amount (INR)
District Social Welfare Office Prayagraj				
(i)	OBC students		245	Scholarship + Tuition Fee
(ii)	SC/ST students		154	Scholarship + Tuition Fee
(iii)	General students		258	Scholarship + Tuition Fee
(iv)	Minority students		20	Scholarship + Tuition Fee
Stipend to PG & Ph.D. Students				
(i)	M.Tech.		722	~ 12,400/- per month
(ii)	Ph.D.		2017-18 138	~ 25,000/- per month &
			2018-19 165	~ 28,000/- per month
	O. P. Jems		03	~ 85,000/- per student +
	Late Shri Chajju Singh Memorial Fellowship Scholarship		01	Certificate and Gold Medal 1000/- per year
(i)	Other State Scholarship offline	Other State	178	Amount sent directly to the Student account

FACULTY ACHIEVEMENTS

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

10.1 DEPARTMENT OF APPLIED MECHANICS

Vision:

To generate high quality human and knowledge resources in our core areas of competence and in emerging areas to make valuable contribution in technology for social and economic development of the nation and to make organized efforts for identification, monitoring and control of objective attributes of quality for continuous enhancement of academic processes, infrastructure and ambiance.

Mission:

To establish a unique identity for the Institute amongst National and International Academic and Research Organisations through knowledge creation, acquisition and dissemination for the benefit of Society and Humanity.

List of Laboratories:

List of the UG Laboratory

1. Engineering Mechanics Laboratory
2. Strength of Material Laboratory
3. Material Science & Engineering Laboratory
4. Fluid Mechanics and Hydraulic Laboratory
5. Compressible Flow Laboratory
6. Structural Analysis Laboratory
7. AMD Workshop
8. Experimental Stress Analysis Laboratory
9. Dynamics of Machines Laboratory
10. Robotics Laboratory
11. Vibration Laboratory

List of Ph.D. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Yogesh Chandra	2008RAM01	Studies on Di-electric Elastomer for the Application to Artificial Skeletal Muscles	Dr. Anuj Jain Dr. Ravi Prakash Tewari
2.	Atiq Ur Rehman	2011RAM01	Computational Studies on Performance of an Industrial Centrifugal Pump	Dr. Anuj Jain Dr. Akshoy Ranjan Paul

Publication in International Journals

1. Tarun, Rajendra Bahadur, A. K. Upadhyay, K. K. Shukla, "Dynamic Analysis of Functionally Graded Curved Sandwich Panels", *J. of Structural Engineering*, vol.45, Issue 1, pp.52-60, 04/2018, Published by CSIR-SERC. (Scopus)
2. Mishra, R. Suresh Kumar, G. Sasikala and P. Chellapandi, "Temperature rate dependent modeling of thermal ratcheting behavior",

List of the PG Laboratory

1. Advanced Solid Mechanics Research Laboratory
2. Fluids Engineering Research Laboratory
3. Materials Research Laboratory
4. Biomedical Engineering Research Laboratory
5. Materials Development Laboratory
6. Computational Laboratory
7. DST-FIST Computational Laboratory
8. Non-Destructive Testing Laboratory
9. Experimental Solid Mechanics Laboratory

Courses Run by the Department:

1. M.Tech. in Applied Mechanics (Last batch 2016-18).
2. M.Tech. in Engineering Mechanics & Design (First batch 2017-19).
3. M.Tech. in Biomedical Engineering.
4. M.Tech. in Fluids Engineering.
5. M.Tech. in Material Science and Engineering.

Courses in which students were admitted during 04/2018 - 03/2019 :

Courses Run by the Department:

1. M.Tech. in Applied Mechanics (Last batch 2016-18).
2. M.Tech. in Engineering Mechanics & Design (First batch 2017-19).
3. M.Tech. in Biomedical Engineering.
4. M.Tech. in Fluids Engineering.
5. M.Tech. in Material Science and Engineering.

- Journal of Structural Engineering (JOSE)*, vol.45, Issue 1, pp.67-74, 04/2018, Published by CSIR. (Scopus)
3. Vedrtam, Ajitanshu; Pawar, S. J., "Experimental and simulation studies on acoustical characterization of laminated safety glass", *Glass Technology - European Journal of Glass Science and Technology Part A*, vol.59, Issue 2, pp.58-70, 04/2018, Published by Society of Glass Technology. (SCI)
 4. Sushil Kumar Singh, Abhishek Kumar and Anuj Jain, "Effect of nanoparticles dispersion on viscoelastic properties of epoxy-zirconia polymer nanocomposites", *Materials Science and Engineering*, vol.330, Issue 12001, pp.1-5, 04/2018, Published by IOP Conf. Series. (Scopus)
 5. Tushar Sharma, V. Murari and K. K. Shukla, "Static analysis of thin walled composite and sandwich box beam", *Journal of Structural Engineering (ISSN:0970-0137)*, vol.45, Issue 1, pp.86-98, 05/2018, Published by CSIR-Structural Engineering Research Centre, Chennai. (Scopus)
 6. Samarjit Singh, Ankur Sinha, Raj H Zunke, Abhishek Kumar, and Dharmendra Singh, "Double layer microwave absorber based on Cu dispersed SiC composites", *Advanced Powder Technology*, vol.29, Issue 9, pp.2019-2026, 05/2018, Published by Elsevier. (SCI, IF = 2.66)
 7. Vivek Kumar Srivastav, Anuj Jain and Akshoy Ranjan Paul, "Computational Study of Drug Delivery in Tumorous Human Airways", *International Journal of Computing Science and Mathematics*, 05/2018, Published by Inderscience. (Scopus)
 8. Yogesh Chandra, Anuj Jain, R. P. Tewari, "Experimental Studies on Acrylic Dielectric Elastomers as Actuator for Artificial Skeletal Muscle Application", *International Journal of Biomedical Engineering and Technology*, vol.10, 05/2018, Published by Inderscience.
 9. Vivek Kumar Srivastav, Akshoy Ranjan Paul, Rakesh Kumar Shukla, Anuj Jain, "Computational study on the effect of human respiratory wall elasticity", *International Journal of Biomedical Engineering and Technology*, 05/2018, Published by Inderscience. (Scopus)
 10. A. Vedrtam and S. J. Pawar, "Experimental and Simulation Studies on Fatigue Behavior of Laminated Glass having Polyvinyl Butyral and Ethyl Vinyl Acetate Interlayers", *Fatigue and Fracture of Engineering Materials and Structures*, vol.41, Issue 6, pp.1437-144, 06/2018. (SCI)
 11. Tiwari A. K., Kumar N., "Establishing the Relationship between Loading Parameters and Bone Adaptation", *Medical Engineering and Physics*, vol.56, pp.16-26, 06/2018, Published by Elsevier. (SCI, IF = 2.183)
 12. Rajendra Bahadur, A. K. Upadhyay, K. K. Shukla, "Dynamic behavior of curved panels of rectangular planar form: an analytical approach", *Int. J. of Structural Stability and Dynamics*, vol.18, Issue 6, pp. Accepted, 06/2018, Published by World Scientific. (SCI, IF = 1.617)
 13. Tiwari, A. K., Kumar R., Tripathi, D., and Badhyal S., "In Silico Modeling of Bone Adaptation to Rest-Inserted Loading: Strain Energy Density Versus Fluid Flow as Stimulus", *Journal of Theoretical Biology*, vol.446, pp.110-127, 06/2018, Published by Elsevier. (SCI, IF = 2.05)
 14. Jitendra Mehta, Yogesh Chandra, R. P. Tewari, "The Use of Dielectric Elastomer Actuators for Prosthetic, Orthotic and Bio-Robotic Applications", *Elsevier*, vol.85, Issue 133, pp., 569-575, 07/2018, Published by Procedia Computer Science.
 15. YI Murthy, S Gandhi, A Kumar, "Comparative Study of Pure Mg and AZ91D as Sacrificial Anodes for Reinforced Cement Concrete Structures in Chloride Atmosphere", *Civil Engineering Journal*, vol.4, Issue 8, pp.1750-1759, 08/2018.
 16. Abhishek Kumar, Samarjit Singh, and Dharmendra Singh, "Effect of heat treatment on morphology and microwave absorption behavior of milled SiC", *Journal of Alloys and Compounds*, vol.772, pp.1017-1023, 09/2018, Published by Elsevier. (SCI, IF = 4.175)
 17. Sushil Kumar Singh, Abhishek Kumar and Anuj Jain, "Improving tensile and flexural properties of

- SiO₂-epoxy polymer nanocomposite*", *Materials Today*, vol.5, Issue 2, pp.6339-6344, 10/2018, Published by Elsevier. (Scopus, IF = 0.694)
18. Digamber Singh, Akshoy Ranjan Paul, Anuj Jain, "Numerical Assessment of a 3-D Human Upper Respiratory Tract Model: Effect of Anatomical Structure on Asymmetric Tidal Pulmonary Ventilation Characteristics", *International Journal of Biomedical Engineering and Technology*, pp. in press, 10/2018, Published by Inder Science. (Scopus, IF = 0.59)
 19. Vedralnam and S. J. Pawar, "Experimental and Simulation Studies on Flexural Strength of Laminated Glass Using Ring-on-Ring and Three-Point Bending Test", *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science*, vol.232, Issue 21, pp.3930 - 394, 11/2018. (SCI)
 20. Yin-Cheng Jian, Yu-Ting Tsai, and S. J. Pawar, "Parameter Optimization Method for Identifying the Optimal Nonlinear Parameters of a Miniature Transducer with a Metal Membrane", *Applied Science*, vol.8, Issue 12, pp.2647-394, 12/2018. (SCI)
 21. Akshoy Ranjan Paul and Firoz Alam, "Compliance of Boiler Standards and Industrial Safety in Indian Subcontinent", *International Journal of Engineering Materials and Manufacture*, vol.3, Issue 4, pp.182-189, 12/2018.
 22. Kuldeep Yadav, A. K. Upadhyay, K. K. Shukla, "Effect of Obliquity on Ballistic Impact Response of Plain-Woven fabric", *Int. J. of Materials and Structural Integrity*, vol.13, Issue 1, pp.93-109, 01/2019, Published by Inderscience. (Scopus)
 23. Shubham Deshmukh, Sourodeep Bhattacharya, Anuj Jain, Akshoy Ranjan Paul, "Wind turbine noise and its mitigation techniques: A review", *Energy Procedia*, vol.160, pp.633-640, 02/2019, Published by Elsevier Science. (Scopus, IF=1.3)
 24. Digamber Singh, Anuj Jain, A.R. Paul, "Ambient Air Quality Index Effect on Deposition of Respirable Suspended Particulate Matter (PM_{2.5} and PM₁₀) in Human Upper Respiratory Tract under Asymmetric Spirometry Flow", *Materials Science Forum*, 02/2019, (Scopus)
 25. Prakash, J., Yadav, A., Tripathi, D. and Tiwari, A.K., "Computer modelling of Peristalsis-Driven Intrauterine Fluid Flow in the Presence of Electromagneto-Hydrodynamics", *The European Physical Journal Plus*, vol.134, Issue 2, pp.81, 02/2019, Published by Springer. (SCI, IF=2.612)
 26. Kumar, R., Tiwari, A. K., Tripathi, D., Shrivastava, N. V., & Nizam, F., "Canalicular Fluid Flow Induced by Loading Waveforms: A Comparative Analysis", *Journal of Theoretical Biology*, vol.471, pp.59-73, 02/2019, Published by Elsevier. (SCI, IF = 2.05)
- Publication in National Journals**
1. T. Gobi Kannan, S. J. Pawar, and Kuo Bing Cheng, "Prediction of Open-Hole Tensile Strength of Unidirectional Flax Yarn Reinforced Polypropylene Composite by Analytical and Numerical Models", *Indian Journal of Fibre & Textile Research*, vol.43, pp.277-284, 09/2018. (SCI, IF = 0.366)
- Publication in International Conferences**
1. Vikas Patidar, Rohini Srivastava, Basant Kumar, R. P. Tewari, Nitin Sahai & Dinesh Bhatia, "Arrhythmia Classification Based on Combination of Heart Rate", *Auto Regressive Coefficient and Spectral Entropy Using Probabilistic Neural Network, INDICON-2018*, 06/2018.
 2. Nikhil V. Shrivastava, Abhishek Kumar Tiwari, Rakesh Kumar, Dharmendra Tripathi, Vasu Raman Sharma, "Investigation on Loading-Induced Fluid Flow in Osteogenesis Imperfecta Bone", *5th Joint US-European Fluids Engineering Summer Conference, FEDSM 2018*, Montreal, Quebec, Canada, pp.V001T02A00, 07/2018, Published by ASME.
 3. Giri, S., Borotikar, B., Tewari, R. P., "Evaluation of muscle activity during swing phase using OpenSim: Implications for Lower Limb Prostheses Design", *World Congress of Biomechanics*, Dublin, Ireland, 07/2018.
 4. Jitendra Mehta, Yogesh Chandra, R. P. Tewari, "The Use of Dielectric Elastomer Actuators for Prosthetic, Orthotic and Bio-Robotic Applications", *International Conference on Robotics and Smart Manufacturing (RoSMA-2018)*, IIITDM Kancheepuram, Chennai 07/2018.

5. T. Sarma, D. Pandey, N. Sahai, D. Bhatia, R. P. Tewari, "Manufacturing of Patient Specific Ankle Foot Orthotic Device using 3D Printing", *International Conference on Recent Innovations and Developments in Mechanical Engineering*, NIT Meghalaya, Shillong, India, 10/2018, Published by Springer.
6. Giri, S., Tewari, R. P., Rai, J. K., "Significant Lower Limb Muscles in Walking and Running for Design of Low-Cost Swing-Assist Rehabilitation Device", *International Conference on Bioinformatics and Systems Biology (BSB-2018)*, IIT Allahabad, 10/2018.
7. Vishal Kumar, Vivek Kumar Srivastav, Akshoy Ranjan Paul, Anuj Jain, "Computational Fluid Dynamics Studies of Effect of Blockage Ratio on Drag", *International Conference on Applied and Computational Mathematics*, IIT Kharagpur, pp.52, 11/2018.
8. G. Tiwari, V. Prasad, S. N. Shukla and V. K. Patel, "Derivation of Complete Performance Characteristics of a Low Head Prototype Francis Turbine Using CFD", *International Conference on Recent Innovations and Developments in Mechanical Engineering (ICRIDME 2018)*, NIT Meghalaya, Shillong, India, pp.6, 11/2018.
9. Digamber Singh, Anuj Jain, A. R. Paul, "Ambient Air Quality Index Effect on Deposition of Respirable Suspended Particulate Matter (PM_{2.5} and PM₁₀) in Human Upper Respiratory Tract under Asymmetric Spirometry Flow", *2nd International Conference on Recent Advances in Materials and Manufacturing*, MLRITM Hyderabad, India, 11/2018, Published by MLRITM, Hyderabad.
10. Nidhi Devi, A. Bhar, R. Pandey, "Isogeometric Fe Analysis of Laminated Composite Plates", *International Conference on Recent Innovations and Developments in Mechanical Engineering (IC-RIDME18)*, NIT Meghalaya, Shillong, India, pp.252, 11/2018.
11. Y. K. Baghel and V. K. Patel, "Experimental and Computational Analysis of Heat Transfer by a Turbulent Air Jet Impingement on a Flat Surface", *International Conference on Recent Innovations and Developments in Mechanical Engineering (IC-RIDME 2018)*, NIT Meghalaya, Shillong, India, pp.6, 11/2018.
12. Bipin Kumar, Shubham Kumar, Nithish Kumar, V. K. Srivastav, A. R. Paul, Anuj Jain, "Computational Fluid Dynamics Studies of Two Dimensional Human Lung", *International Conference on Applied and Computational Mathematics*, IIT Kharagpur, pp.53, 11/2018.
13. Suvanjan Bhattacharyya, Kunal Dey, Rajdeep Hore, Arnab Banerjee, Akshoy Ranjan Paul, "Computational study on thermal energy around diamond shaped cylinder at varying inlet turbulent intensity", *Second International Conference on Power and Energy (ICEP2018)*, CQ University, Sydney (Australia), pp.46, 12/2018, Published by ISBN:978-1-921047-68-8.
14. Digamber Singh, Anuj Jain, A.R. Paul, "Numerical Study on Particle Deposition in Healthy Human Airways and Airways with Glomus Tumor", *International Conference On Biomedical Engineering Science and Technology: Roadway from Laboratory to Market*, NIT Raipur, India, 12/2018, Published by NIT Raipur.
15. Firoz Alam, Rashid Sarkar, Quamrul Alam, Harun Chowdhury, Akshoy Paul,, "A Review on the Regional Collaboration of Power Utilization in South Asia", *Second International Conference on Power and Energy (ICEP2018)*, CQ University, Sydney (Australia), pp.28, 12/2018, Published by ISBN: 978-1-921047-68-8.
16. Aviral Prakash, Amit Kumar, Vikas Bahuguna, Sunil Rizal, Shoaib Ahmed, Anurag Tiwari, Akshoy Ranjan Paul, Anuj Jain, "A Comparative Study of Drug Deposition Efficiency of Dry Powder Inhalers", *7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP-2018)*, IIT Bombay, pp. Paper ID-7, 12/2018.
17. Akshay Tiwari, Akshoy Ranjan Paul, Anuj Jain, "Heat Transfer of Alumina-Water Nanofluid in Microtube with Scaling Effects", *7th International and 45th National Conference of Fluid Mechanics and Fluid Power (FMFP-2018)*, IIT Bombay, Mumbai, India, 12/2018, Published by IIT Bombay.
18. Abhishek Gupta, Akshoy Ranjan Paul, "Carbon capture and sequestration potential in India: A comprehensive review", *Second International Conference on Power and Energy (ICEP2018)*,

- CQ University, Sydney (Australia), pp.16, 12/2018, Published by ISBN: 978-1-921047-68-8.
19. Shubham Deshmukh, Sourdeep Bhattacharya, Anuj Jain, Akshoy Ranjan Paul, "Wind turbine noise and its mitigation techniques: A Review", *Second International Conference on Power and Energy (ICEP2018)*, CQ University, Sydney (Australia), pp.68, 12/2018, Published by ISBN: 978-1-921047-68-8.
 20. Amit Kumar, B. Dhatreyi, R. Sujithra, "A review on buckling of grid-stiffened composite panels-Application to Aircraft fuselage", *Sixth International conference on Recent Advances in Composite Materials*, IIT Varanasi, pp.84, 02/2019.
 21. Praveen Kumar and R. Sujithra, "Characterization study of magneto rheological polymer gel", *International Conference on Recent Advances in Composite Materials*, IIT Varanasi, pp.68, 02/2019.
 22. Singh Ashish K. and Bhar A., "Isogeometric FE Analysis of CNT Reinforced Composite Plates: Free Vibration", *International Conference on Advances in Mechanical Engineering and Nanotechnology (ICAMEN)*, Manipal University, Jaipur, India, pp. Paper ID: , 03/2019.
 23. G. Tiwari, V. Prasad, S. N. Shukla and V. K. Patel, "Hydrodynamic Analysis of a Low Head Prototype Francis Turbine for Establishing an Optimum Operating Regime using CFD", *International conference on advances in mechanical engineering and nanotechnology (ICAMEN 2019)*, Manipal University Jaipur, pp.6, 03/2019.
 24. Sonali Ray, Meenakshi Sharma, Rohini Srivastava, Nitin Sahai, R. P. Tewari & Basant Kumar, "Implementation of Low Delay Dual Chamber Pacemaker Using Verilog", *6th International Conference on Signal Processing and Integrated Networks (SPIN 2019)*, Department of Electronics and Communication Engineering ASET, Amity University, Sec-125, Noida, Delhi-NCR, India, 03/2019.
- Publication in National Conferences**
1. Amit Vikram Rex, A. K. Upadhyay, "Mechanical Behavior of Polyurethane Foam under Quasi-Static and Repeated Impact Loading", *First Symposium and Workshop for Analytical Youth on Applied Mechanics (SWAYAM 2018)*, BITS Pilani, K K Birla Goa Capmus, pp.11-12, 07/2018, Published by Ane Books Pvt. Ltd.
 2. Rajendra Bahadur, A. K. Upadhyay, K. K. Shukla, "Nonlinear Static Analysis of Shallow Panels on Rectangular Plan-Form", *First Symposium and Workshop for Analytical Youth on Applied Mechanics (SWAYAM 2018)*, BITS Pilani, K. K. Birla Goa Capmus, pp.5-6, 07/2018, Published by Ane Books Pvt. Ltd.
 3. Y. Yadaw, J. Kumar and V. K. Patel, "Effect of Twisted Tape on Bend Erosion", *Symposium and Workshop for Analytical Youth in Applied Mechanics (SWAYAM) 2018*, BITS Pilani, K. K. Birla Goa Campus, India, pp.3, 07/2018.
 4. Ranjeet Nayak, Sangharsh K. Singh, A. K. Upadhyay, Ramesh Pandey, "A numerical investigation into the collapse behavior of thin walled grooved tubes under axial impact", *First Symposium and Workshop for Analytical Youth on Applied Mechanics (SWAYAM 2018)*, BITS Pilani, K K Birla Goa Capmus, pp.7-8, 07/2018, Published by Ane Books Pvt. Ltd.
 5. Mohd Shivali, A. K. Upadhyay, K. K. Shukla, "Simulation and analysis of light weight bullet proof patka", *First Symposium and Workshop for Analytical Youth on Applied Mechanics (SWAYAM 2018)*, BITS Pilani, K. K. Birla Goa Capmus, pp.9-10, 07/2018, Published by Ane Books Pvt. Ltd.
 6. Abhishek, Satya Prakash, Ambak Kumar Rai, and S. J. Pawar, "In-vitro Cytotoxicity and Drug Release Profile with Mesoporous ZnO Nanoparticle in Simulated Body Fluid", *3rd Annual Conference of Indian Society of Nanomedicine (NANOBIOTECK-2018)*, New Delhi, 10/2018.
 7. R. K. Singh, R. Kumar, S. Ali, M. Alam, A. Kumar, V. K. Srivastav, A. R. Paul, "Use of Fly Ash for Brick Manufacturing", *National Conference on Trends and Advances in Mechanical Engineering (TAME-2019)*, Kalyani (West Bengal), pp. Paper ID-1, 02/2019.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Ramesh Pandey	Aerospace Engineering Composite Structures A refined five-unknown higher-order model including transverse hydrothermal deformation", COST-D-16-00219
2.	Dr. S. J. Pawar	Journal of Composite Materials Journal of Industrial Textiles
3.	Dr. Ashutosh K. Upadhyay	Applied Mathematical Modelling Int. J. of Mechanical Sciences Int. J. of Crashworthiness Smart Structures and Systems Wind and Structures Thin Walled Structures Advances in Materials Research Int. J. of Materials and Structural Integrity Journal of Mechanical Engg. Sciences J. of Aerospace Engineering Int. J. of Structural Stability and Dynamics Journal of The Institution of Engineers (India) Series A Thin Walled Structures
4.	Dr. Anindya Bhar	Composites Part B Mechanics of Advanced Materials and Structures Arabian Journal for Science and Engineering International Journal of Engineering, Science and Technology Arabian Journal for Science and Engineering Composites Part B Proceedings of the National Academy of Sciences, India Section-A, Physical Sciences Arabian Journal for Science and Engineering International Journal of Mechanical Sciences International Journal of Applied Mechanics
5.	Dr. Abhishek Kumar	Advanced Powder Technology Journal of Alloys and Compounds
6.	Dr. R. Sujithra	Journal of Materials Engineering and Performance
7.	Dr. Anuj Jain	Powder Technology Experimental Thermal and Fluid Science Journal of Flow Visualisation and Image Processing
8.	Dr. Akshoy Ranjan Paul	Journal of Applied Fluid Mechanics (JAFM) Journal of Cleaner Production Flow Measurement and Instrumentation Chinese Journal of Aeronautics Defence Science Journal IMechE: Part--G: Journal of Aerospace Engineering Journal of Mechanical Science and Technology International Journal of Fluid Machinery and System
9.	Dr. Ajaya Bharti	Innovations and Developments in Mechanical Engineering
10.	Dr. Ashutosh Misra	Latin American Journal of Solids and Structures

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Tushar Sharma, V. Murari and K. K. Shukla	Recent Advances in Structural Engineering	Static response of thin-walled CNT reinforced laminated composite box beam	Springer
2.	Sharad Rawat, A. K. Upadhyay and K. K. Shukla	Recent Advances in Structural Engineering, Volume 2, Lecture Notes in Civil Engineering-12	Crushing analysis of tapered circular corrugated tubes subjected to impact loading	Springer Singapore

Invited Lectures Delivered

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Lecture delivered by Dr. Anuj Jain at TEQIP-III Sponsored STTP, College of Technology, G. B. Pant University of Agriculture and Technology, Pantnagar, Uttaranchal on 02/04/2018 entitled Computational Fluid Dynamics-Theory and Practice. 2. Lecture delivered by Dr. Anindya Bhar at TEQIP-III Sponsored One Week Short Term Course on Composite Materials: Overview, Characterization and Applications (CMOCA-2018) during July 16-20, 2018, Mechanical Engineering Department, MNNIT Allahabad on 16/07/2018 entitled Mechanics of Composite Materials. 3. Lecture delivered by Dr. Anuj Jain at Orientation Programme for the faculty, MNNITA, Allahabad on 19/07/2018 entitled Course Planning. 4. Lecture delivered by Dr. Akshoy Ranjan Paul at TEQIP-III sponsored Workshop, Motihari College of Engineering, Motihari (Bihar) on 31/08/2018 entitled 'Computational Fluid Dynamics'. 5. Lecture delivered by Dr. Akshoy Ranjan Paul at National Seminar on 'Applications of Advanced Scientific Tools in Engineering & Technology, Amity School of Engineering & Technology at Amity University Uttar Pradesh on 20/09/2018 entitled "Development of Active Flow Control Strategies". 6. Lecture delivered by Dr. Anuj Jain at TEQIP-III Sponsored Short Term Course on Advances and Applications of the Nanofluids, MNNIT Allahabad | <ol style="list-style-type: none"> 7. Lecture delivered by Dr. Vivek Kumar Patel at TEQIP-III Sponsored Short Term Course on Advances and Applications of Nano Fluids (NanoFluids-2018), Department of Applied Mechanics, MNNIT Allahabad on 25/10/2018 entitled CFD Analysis of Jet Impingement Heat Transfer with Nanofluids. 8. Lecture delivered by Dr. Akshoy Ranjan Paul at 2nd International Conference on Energy and Power (ICEP18) at Sydney (Australia), RMIT University & CQ University in Sydney (Australia) on 14/12/2018 entitled Carbon capture and sequestration potential in India: A comprehensive review'. 9. Lecture delivered by Dr. Akshoy Ranjan Paul at Training programme in Mining Governance, Australian Government's Department of Foreign Affairs and Trade (DFAT) on 21/01/2019 entitled 'Renewable Energy: Indo-Afghan Cooperation in Energy Sector'. 10. Lecture delivered by Dr. Akshoy Ranjan Paul at Training programme in Mining Governance, Australian Government's Department of Foreign Affairs and Trade (DFAT) on 22/01/2019 entitled 'Occupational Health & Mining Safety'. 11. Lecture delivered by Dr. Ashutosh Misra at TEQIP III Short Term course-Advances and Applications of NanoFluid, MNNIT Allahabad on 10/2018 entitled Nanofluids: recent application and challenges. |
|---|---|

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Workshop	Inclusive Technical Education in National Context: Challenges and Solutions-2018,	13.09.2018	13.09.2018

		MNNIT Allahabad		
2.	National Workshop	Advances and Applications of Nano-Fluids" (NanoFluids-2018), MNNIT Allahabad	23.10.2018	28.10.2018
3.	International conference	Second International Conference on Power and Energy (ICEP2018), CQ University, Sydney (Australia)	13.12.2018	15.12.2018
4.	National Workshop	Advances in Applications of Computational Fluid Dynamics (ACFD-2019), MNNIT Allahabad	06.03.2019	11.03.2019
5.	GIAN Course	Multiphase Computational Fluid Dynamics and Heat Transfer, MNNITA, Prayagraj	12.03.2019	17.03.2019

Events Attended

- Dr. Ashutosh K. Upadhyay attended National conference on First Symposium and Workshop for Analytical Youth on Applied Mechanics (SWAYAM 2018) at BITS Pilani, KK Birla Goa Campus on/during 04/07/2018 to 06/07/2018.
- Dr. Abhishek Kumar Tiwari attended Workshop on UG Education in Applied Mechanics at IIT MADRAS on/during 10/08/2018 to 11/08/2018.
- Dr. Ashutosh K. Upadhyay attended Workshop on Workshop on UG education in Applied Mechanics at Applied Mechanics Department, IIT Madras on/during 10/08/2018 to 11/08/2018.
- Dr. Akshoy Ranjan Paul attended National Seminar on National Seminar on 'Applications of Advanced Scientific Tools in Engineering & Technology at Amity School of Engineering & Technology at Amity University Uttar Pradesh on/during 20/09/2018.
- Dr. Anuj Jain attended International conference on 7th International and 45rd National Conference on Fluid Mechanics and Fluid Power (FMFP-2018) at IIT Bombay, Mumbai on/during 10/12/2018 to 12/12/2018.
- Dr. Akshoy Ranjan Paul attended International conference on Second International Conference on Power and Energy (ICEP2018) at CQ University, Sydney (Australia) on/during 13/12/2018 to 15/12/2018.
- Dr. Akshoy Ranjan Paul attended National Workshop on 'GIAN Evaluation Workshop' at New Delhi on/during 05/02/2019 to 06/02/2019.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Akshoy Ranjan Paul (Co-PI)	Computational Studies on Human Airways.	SERB under FSER Scheme	Rs. 3848200	Complete on 30.06.2018
2.	Dr. Anuj Jain (PI)	Experimental and Computational Studies on Human Airway.	SERB under FSER Scheme	Rs. 38 Lakh	Complete on 30.06.2018
3.	Dr. Akshoy Ranjan Paul (PI)	Prototype Development of a Novel Dry Powder Inhaler (DPI) for Pulmonary Drug Delivery.	Council of Science and Technology, Govt. of Uttar Pradesh under Technology Innovation scheme.	Rs. 1194000	Ongoing
4.	Dr. Akshoy Ranjan Paul (PI)	Flow Control in Complex Ducts using Synthetic Jets.	DST-SERB Fast Track Research Scheme	Rs. 2358200	Complete on 31.03.2019
5.	Dr. Akshoy Ranjan Paul (Co-PI)	Respirable Suspended Particulate Matter (RSPM) on Chronic	Council of Science and Technology, Govt. of Uttar	Rs. 1148000	Complete on 13.12.2018

6.	Dr. Anuj Jain (PI)	Obstructive Pulmonary Diseases (COPD) using Computational Fluid Dynamics (CFD). Effect of Respirable Suspended Particulate Matter (RSPM) on Chronic Obstructive Pulmonary Diseases (COPD) using Computational Fluid Dynamics (CFD).	Pradesh under Technology Innovation scheme Council of Science and Technology, Govt. of Uttar Pradesh under Technology Innovation Scheme	Rs. 1148000	Ongoing
7.	Dr. Anuj Jain (Co-PI)	Prototype Development of a Novel Dry Powder Inhaler (DPI) for Pulmonary Drug Delivery.	Council of Science and Technology, Govt. of Uttar Pradesh under Technology Innovation Scheme	Rs.1194000	Ongoing
8.	Dr. V. Murari (PI)	The effect of micro level progressive matrix plasticity on the macro level response of unidirectional composites: Micromechanics based study.	DST - SERB	Rs. 24.86 Lakhs	Ongoing

10.2 DEPARTMENT OF BIOTECHNOLOGY

Vision:

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. Our goal is to provide students with a sound knowledge and understanding of current theories, concepts and laboratory practices in biotechnology.

Mission:

To generate high quality engineering professionals by offering UG (B.Tech.) and PG (M.Tech. and Ph.D.) 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.

List of Laboratories:

1. Laboratory-1
2. Laboratory-2
3. Laboratory-3
4. Bioinformatics lab
5. Green house lab
6. Experimental field
7. Autoclaving and sterilization lab

Courses run by Department

1. B.Tech. (Biotechnology)
2. M.Tech. (Biotechnology)
3. Ph.D. (Biotechnology)

Courses in which students were admitted during 04/2018 - 03/2019 :

1. B.Tech. (Biotechnology)
2. M.Tech. (Biotechnology)
3. Ph.D. (Biotechnology)

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Neha Upadhyay	2014RBT08	Deciphering plant microbe soil interaction for reclamation of degraded soil ecosystem	Dr. Shivesh Sharma
2.	Nitin Kumar	2013RBT03	Development of a Gold nanostructure based electrochemical immunosensor assay for the detection of serum CA125	Dr. Shivesh Sharma
3.	Priti Singh	2014RBT01	Study of Interface between nanosilica and blood coagulation system	Dr. Seema Nara
4.	Manmohit kalia	2013RCH51	Quorum sensing inhibitory effect of novel herbal compounds and their molecular mechanism against <i>Pseudomonas aeruginosa</i>	Dr. Sameer Srivastava
5.	Prashant Kumar	2013RBT52	Designing Inhibitors Against Novel Drug Targets in <i>Plasmodium falciparum</i> and Evaluation of Their Efficacy	Dr. Ashutosh Mani
6.	Birendra Singh Yadav	2013RBT02	Genome wide expression profiling and functional analysis of chickpea during heavy metal toxicity	Dr. Ashutosh Mani Dr. Sameer Srivastava

Publication in International Journals

- Anu Singha, Lavkusha, Amit Kumar Kureel, P. K. Dutta, Sushil Kumar, Ambak Kumar Rai, "Curcumin loaded chitin-glucan quercetin conjugate: Synthesis, characterization, antioxidant, in vitro release study, and anti-cancer activity", *International Journal of Biological Macromolecules*, vol.110, pp.234-244, 04/2018, Published by Elsevier. (SCI, IF=3.318).
- Alok Kumar Yadav, Preeti Sirohi, Saurabh Saraswat, Manjoo Rani, Manish Pratap Singh, Sameer Srivastava and Nand K. Singh, "Inhibitory mechanism on combination of Phytic acid with methanolic seed extract of *Syzygium cumini* and Sodium chloride over *Bacillus subtilis*", *Curr. Microbiol*, vol.75, Issue 7, pp.849-856, 07/2018, Published by Springer. (SCI, IF=1.37)
- Vivek Kumar Yadav, Pradeep Kumar Singh, Manmohit Kalia, Deepmala Sharma, Sunil Kumar Singh, Vishnu Agarwal., "Pseudomonas aeruginosa quorum sensing molecule N-3-oxo-dodecanoyl-L homoserin lactone activates human platelet through intracellular calcium mediated ROS generation", *International journal of Medical Microbiology*, vol.308, 07/2018, Published by Elsevier. (SCI, IF = 3.3)
- Nitin Kumar, Shivesh Sharma, Seema Nara, "Dual gold nanostructure-based electrochemical immunosensor for CA125 detection", *Applied Nanoscience*, vol.8, pp.1843-1853, 08/2018, Published by Springer International Publishing. (SCI, IF = 3.198)
- Shruti Jain, Sowbiya Muneer, Gea Guerriero, Shiliang Liu, Kanchan Vishwakarma, Devendra Kumar Chauhan, Nawal Kishore Dubey, Durgesh Kumar Tripathi, Shivesh Sharma, "Tracing the role of plant proteins in the response to metal toxicity: a comprehensive review", *Plant signaling & behavior*, vol.13, Issue 9, pp.1-11, 09/2018, Published by Taylor & Francis. (SCI)
- Pankaj Verma, A K Kureel, Sheetal Saini, Satya Prakash, Smita Kumari, S K Kottarath, S K Srivastava, Madhusudan Bhat, A K Dinda, C P Thakur, Shivesh Sharma, A K Rai, "Leishmania donovani reduces the levels of retinoic acid-synthesizing enzymes in infected macrophages and favoring its own survival", *Parasitology Research*, pp.1-9, 10/2018, Published by Springer Nature. (SCI, IF = 2.558)
- Nitin Kumar, Shivesh Sharma and Seema Nara, "Tweaking homogeneity and stability of gold nanorods by synergistic action of PH and

- temperature", *Advanced Materials Proceedings Journal*, vol.3, Issue 8, pp.501-507, 11/2018, Published by VBRI Press.
8. Manmohit Kalia, Vivek Kumar Yadav, Pradeep Kumar Singh, Suhaga Dohare, Deepmala Sharma, Shahid Suhail Narvi, Vishnu Agarwal., "Designing quorum sensing inhibitors of *Pseudomonas aeruginosa* utilizing FabI: an enzymic drug target from fatty acid synthesis pathway", *3-Biotech*, vol.9, 01/2019, Published by Springer. (SCI, IF = 1.3)
 9. Birendra Singh Yadav & Ashutosh Mani, "Analysis of bHLH coding genes of *Cicer arietinum* during heavy metal stress using biological network", *Physiology and Molecular Biology of Plants*, vol.25, pp.113-121, 01/2019, Published by Springer. (SCI, IF=1.5)
 10. Bankuru Navyatha and Seema Nara, "Gold nanostructures as cancer theranostic probe: promises and hurdles", *Nanomedicine*, vol.14, Issue 6, pp.766-796, 03/2019, Published by Future Medicine. (SCI, IF=4.71)
- cultivation of green microalgae, *Scenedesmus sp. ASK22*, using response surface methodology", *International Conference On Bio-Innovation for Environmental and Health Sustainable Developments (BEHSD-2018)*, ITRC, Lucknow, pp.-, 11/2018, Published By Biotech research society (BRSI).
2. Gaurav Kant, Sakshi, Himanshu Shekhar, Sameer Srivastava, "Engineering MEP Pathway in *E. coli* for Overproduction of Isoprene: An industrially important hydrocarbon", *Bio-Innovation for Environmental and Health Sustainable Developments (BEHSD-2018)*, Indian Institute of Toxicology Research (CSIR-IITR), Lucknow, pp.-, 11/2018.
 3. Ashutosh Pandey, Sameer Srivastava, Sanjay Kumar, "Mathematical optimization of process parameters affecting lipid production and carbon dioxide fixation rate of *scenedesmus sp. cultivated in air lift photobioreactor*", *Recent Advancements in Biochemical Engineering and Biotechnology (RABEB-2019)*, School of Biochemical Engineering, IIT (BHU) Varanasi, Varanasi (India), pp.-, 03/2019.
 4. Ruchi Shah, Ashutosh Pandey, Papita Yadav, Reshu Verma, Sanjay Kumar, Sameer Srivastava, "Electrocoagulation flocculation of green microalgae *scenedesmus sp.*: optimization of process parameters using taguchi array design method", *Recent Advancements in Biochemical Engineering and Biotechnology (RABEB-2019)*, School of Biochemical Engineering, IIT (BHU) Varanasi, Varanasi (India), pp.-, 03/2019.

Publication in National Journals

1. Neha Yadav and Anjana Pandey, "Phytic acid and inorganic phosphate in black gram (*Vigna mungo*) species and their effect on human body", *Indian Journal of applied research*, 11/2018.

Publication in International Conferences

1. Ashutosh Pandey, Aarti Gupta, Arrabachala Sunny, Sanjay Kumar, Sameer Srivastavach research society (BRSI), India, "Development of medium composition for the heterotrophic

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Sangeeta Negi	Food Research International African Journal of Biotechnology Food Technology and Biotechnology Brazilian Archives of Biology and Technology Bioresource Technology Applied Biochemistry and Biotechnology
2.	Dr. Anjana Pandey	Cellular and Molecular Biology Biotechnology and Bioengineering International Journal of Hydrogen Energy Renewable Energy Biomass and Bioenergy

- | | | |
|----|------------------------|---|
| 3. | Dr. Shivesh Sharma | Beilstein Journal of Nanotechnology
Current Microbiology
Fuel
World Journal of Microbiology and Biotechnology
Bioresource Technology
Journal of Drug Targing
Journal of Plant Physiology
Journal of Medicinal Plant Research
International Journal of Plant & Soil Science
Environmental Technology
Soil and Sediment Contamination An International Journal
Biomedicine & Pharmacotherapy
Science domain International
Environmental Technology & Innovation
Ecological Indicators
Environmental Sustainability
Applied Microbiology and Biotechnology
Plant Physiology and Biochemistry
Water, Air & Soil Pollution |
| 4. | Dr. Nand Kumar Singh | African Journal of Agricultural Research
Jundisha Pur Journal of microbiology
International Journal Euphytica
2 nd iCiAsT 2017 Singapur
Chemosphere |
| 5. | Dr. Radha Rani Mewaram | International Journal of Phytoremediation
Journal of institution if engineers India series E
Ecology and Chemistry
Science of the Total Environment
Chemosphere
Environmental Toxicology and Innovation
Ciencia Rural
Plos One
Water Air and Soil Pollution |
| 6. | Dr. Seema Nara | International Journal of Food Microbiology
Analytica Chimica Acta
Nanomedicine
Analytical Methods
Biosensors and Bioelectronics
International Journal of Nanomedicine
RSC Advances
Archives of Virology
Critical Reviews™ in Therapeutic Drug Carrier Systems
Microchemical Journal
ACS Applied Materials & Interfaces
Nature protocols |
| 7. | Dr. Ashutosh Mani | Interdisciplinary Sciences: Computational Life Sciences
Cellular and Molecular Biology
Hypothesis
Journal of Molecular recognition
Tumor Biology |

		International Journal of Biological Macromolecules Experimental cell Research Journal of Biomolecular structure and dynamics BMC Plant Biology 3 Biotech
8.	Dr. Sameer Srivastava	Molecular Carcinogenesis Clinical And Transnational Oncology BMC CANCER Gene IUBMB Cancer Management and Research IUBMB Life Expert Reviews in Molecular Diagnostics Clinical and Transnational Oncology Current Cancer Durg Targets Tree Physiology
9.	Dr. Manisha Sachan	Cellular and Molecular Biology Clinical Epigenetics DNA and CELL Biology
10.	Dr. Ambak Kumar Rai	Biochemistry and molecular biology Agri gene Future science OA

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Pankaj Chaurasia, Ashutosh Mani.		Enzymatic Treatment of Petroleum-Based Hydrocarbons	IGI Global Publishers
2.	Verma R K, Sachan M, Vishwakarma K, Upadh	Role of Rhizospheric Microbes in Soil	Role of PGPR in Sustainable Agriculture: Molecular Approach Toward Disease Suppression and Growth Promotion	Springer
3.	Abhishek Sharan, Seema Nara	Nanomaterials in Plants, Algae, and Microorganisms Concepts and Controversie s: Vol-2	Phytotoxic Properties of Zinc and Cobalt Oxide Nano particles in Algae	Elsevier
4.	Tripathi D K, Ahmad P, Sharma Shivesh, Ch	Nanomaterials in Plants, Algae, and Microorganisms Vol-2		Elsevier (Academic Press)
5.	Gaurav Pal, Priya Rai and Anjana Pandey		Green Synthesis, Characterization and Applications of Nanoparticles Chapter 1: Green synthesis of nanoparticles: A greener approach for a cleaner fut	Elsevier
6.	Singh A and Sachan M	Advances in Biotechnology Vol 1	Cancer Epigenetics: Role of Epigenetic Events in the Onset and Progression of Cancer	Open access ebook, Wilmington DE
7.	Birendra Singh Yadav, Alok Kumar Yadav		Methods in metagenomics and environmental biology. Environmental	Springer

Chemistry for a Sustainable World

Invited Lectures Delivered

1. Lecture delivered by Dr. Manisha Sachan at Workshop, Department of Molecular Human Genetics, Banaras Hindu University, Varanasi on 03/09/2018 entitled Epigenetics of fetal development.
2. Lecture delivered by Dr. Ambak Kumar Rai at One Day National Level Seminar "Recent Trends in Biotechnology", Pillai Institute of Technology, Mumbai on 08/09/2018 entitled Horizon of host- pathogen interaction: An offbeat approach of Leishmania parasite in modulating the host response and favoring its own survival.
3. Lecture delivered by Dr. Ashutosh Mani at Workshop on "Protein Purification And Its Sustainable Application In Drug Designing Andagriwaste management, Shuats Allahabad on 04/10/2018 entitled Computational drug discovery.
4. Lecture are delivered by Dr. Seema Nara at seven day workshop on "Protein purification and its sustainable application in drug designing and agri waste management, Department of Biochemistry and Biochemical Engineering, SHUATS Allahabad on 09/10/2018 entitled

Preparing enzyme conjugates for ELISA applications.

5. Lecture delivered by Dr. Seema Nara at TEQIP-III sponsored short-term course on 'Advances and Applications of Nano Fluids', Department of Applied Mechanics, MNNIT Allahabad on 26/10/2018 entitled Point of Care Diagnostics: Microfluidics to Nanofluidics
6. Lecture delivered by Dr. Ashutosh Mani at DBT sponsored workshop on Big Data Analysis: Introduction & Challenges in Agriculture & Healthcare held from January 29-31, 2019, Biotech Park Lucknow on 31/01/2019 entitled Introduction to NGS Data Analysis.

Expert/Invited Lectures Organized

1. A lecture is delivered by Dr. Suman Mishra, Head Biotechnology Division, Varuna Biotech, Mughalsarai, Varanasi on 27/09/2018 entitled Solid state fermentation and downstream processing.
2. A lecture is delivered by Dr. Chandrajit Lahir, Department of Biological Sciences, Sunway University, Petaling Jaya Silangor, Malaysia on 05/02/2019 entitled simplifying disease complexity: A systems biological approach.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Workshop	One month summer training programme in Biotechnology, Department of Biotechnology, MNNIT Allahabad	28.05.2018	24.06.2018
2.	Workshop	Next Gen Sequencing data analysis, MNNIT Allahabad	17.12.2018	23.12.2018
3.	Workshop	Invitro diagnostic platforms for biomarker detection, MNNIT Allahabad	18.02.2019	24.02.2019
4.	National conference	National Conference on Advances in Microscopy and Foldscope, MNNIT Allahabad	15.03.2019	16.03.2019

Events Attended

1. Dr. Anjana Pandey attended Workshop on INGSAs Asia Capacity Building Workshop on

Environment (India) (IACBE-2018 at Institute of Environment and Sustainable Development, IIT BHU on/during 11/12/2018 to 12/12/2018.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Ambak Kumar Rai	Study to investigate the	Department of	Rs.24,69,000	Ongoing

	(PI)	therapeutic efficacy of CD5 blocking in treatment of T cell lymphoblastic leukemia	Biotechnology, New Delhi		
2.	Dr. Sameer Srivastava (Co-PI)	Study to investigate the therapeutic efficacy of CD5 blocking in treatment of T cell lymphoblastic leukemia'.	DBT	Rs.24.69 Lakhs	Ongoing
3.	Dr. Ashutosh Mani (PI)	Identification of novel drug targets in Aspergillus fumigatus genome prioritized by essentiality based screening and rational designing of new antifungal compounds	UPCST	Rs.918000	Complete on 12.08.2018
4.	Dr. Sangeeta Negi (PI)	Process development for bioconversion of grease into long chain fatty acids.(In collaboration with IIT, Delhi)	DBT, GOI	Rs.4642600	Ongoing
5.	Dr. Ashutosh Mani (PI)	Screening and identification of natural inhibitors for β -Secretase-1 as potential therapeutics against Alzheimer's disease	SERB New Delhi	Rs.45 Lakh	Ongoing
6.	Dr. Shivesh Sharma (PI)	Design and Innovation Centre (Spoke)	MHRD	Rs.100.00 Lakhs	Ongoing
7.	Dr. Sameer Srivastava (PI)	Characterization of epigenetically deregulated genes in crc using next generation sequencing technologies for development of novel biomarkers	DBT, INDIA	Rs.24.955 Lakhs	Ongoing
8.	Dr. Anjana Pandey	"Augmentation of fermentative biohydrogen production by using nanoparticles and immobilization techniques for mitigating biowastes"	DST Women Scientist Scheme A (WOS-A)	Rs.	Ongoing
9.	Dr. Shivesh Sharma (Co-PI)	Study of role of lactone signaling and alginate production on neutrophil interaction, apoptosis, and subsequent macrophage mediated phagocytosis against Pseudomonas aeruginosa Biofilm associated infections	SERB, Department of Science and Technology (DST)	Rs.41,40,000	Complete on 31.03.2019
10.	Dr. Seema Nara (PI)	Network Project Title "Canine parvovirus"; Sub-Project title: "Screening, selection and validation of novel canine parvovirus specific aptamers"	DBT	Rs.13.65 Lakhs	Ongoing
11.	Dr. Manisha Sachan (Co-PI)	Screening, selection and validation of novel canine	Department of Biotechnology,	Rs.18.65 Lakhs	Ongoing

12.	Dr. Radha Rani Mewaram, (PI)	parvovirus specific aptamers Impact of <i>Vetiveria zizanioides</i> (L.), its root exudates and associated microbial communities on biogeochemistry of heavy metals and their application in development of remediation strategies for heavy metal contaminated sites	Govt. of India DST	Rs.35.98 Lakhs	Ongoing
13.	Dr. Manisha Sachan (PI)	Identification of novel epigenetic biomarkers through next generation sequencing technologies towards developing a multiplex methylight assay for early diagnosis of epithelial ovarian cancer	Indian Council of Medical Research	Rs.29.61 Lacks	Ongoing
14.	Dr. Shivesh Sharma (PI)	Studies on nanoparticles (FeO ₂ and CuO NPS) mediated toxicity, tolerance mechanisms and their toxicity management in some susceptible and tolerant rice (<i>Oryza sativa</i> L.) varieties	Council of Scientific and Industrial Research (CSIR)	Rs.31 Lakhs	Ongoing
15.	Dr. Ambak Kumar Rai (Co-PI)	Study to establish infection of <i>L. donovani</i> through intradermal route in hamsters and its pathological validation	Department of Biotechnology, New Delhi	Rs.10.15 Lakhs	Complete on 24.03.2019
16.	Dr. Vishnu Agarwal (PI)	"Study of water and terrestrial biofilms using foldscope as a tool to address community health and sanitation issues"	DBT	Rs.800000	Ongoing
17.	Dr. Shivesh Sharma (Co-PI)	Study to investigate the therapeutic efficacy of CD5 blocking in treatment of T cell lymphoblastic leukemia	Department of Biotechnology (DBT)	Rs.24,69,000	Ongoing
18.	Dr. Vishnu Agarwal (PI)	Study of role of lactone signaling and alginate production on neutrophil interaction, apoptosis, and subsequent macrophage mediated phagocytosis against <i>Pseudomonas aeruginosa</i> biofilm associated infections	DST- EMR (Individual Centric)	Rs.41.4 Lakh	Ongoing
19.	Dr. Sameer Srivastava (PI)	Biosynthesis of Isoprene, an industrially important hydrocarbon, using <i>E.coli</i> as model organism	DBT, INDIA	Rs.48.13 Lakhs	Ongoing
20.	Dr. Shivesh Sharma	Identification of novel epigenetic	Indian Council	Rs.29.61	Ongoing

	(Co-PI)	biomarkers through next generation sequencing technologies towards developing a multiplex methylight assay for early diagnosis of epithelial ovarian cancer	of Medical Research (ICMR), New Delhi			
21.	Dr. Radha Rani Mewaram, (PI)	Development of microbial fuel cell (MFC) based process for domestic wastewater treatment and power generation: Application in improving treatment sustainability		DST	Rs.39,26,000	Ongoing
22.	Dr. Shivesh Sharma (PI)	Startup Centre		DST and MHRD	Rs.150 Lakhs	Ongoing
23.	Dr. Ashutosh Mani (Co-PI)	Study of role of lactone signaling and alginate production on neutrophil interaction, apoptosis, and subsequent macrophage mediated phagocytosis against Pseudomonas aeruginosa biofilm associated infections		SERB, New Delhi	Rs.41.40 Lakhs	Ongoing
24.	Dr. Radha Rani Mewaram, (Co-PI)	Bioremediation for removal of reactive dyes from industrial waste water		UPCST	Rs.10,44,000	Ongoing
25.	Dr. Nand Kumar Singh (Co-PI)	Study of role of lactone signaling and alginate production on neutrophil interaction, apoptosis, and subsequent macrophage mediated phagocytosis against Pseudomonas aeruginosa biofilm associated infections		DST	Rs.41.40 Laks	Ongoing

10.3 DEPARTMENT OF CIVIL ENGINEERING

Vision

To provide quality teaching with a strong concept 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.

To provide students with a sound knowledge and understanding of current theories, concepts and laboratory practices in Civil Engineering.

Mission

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

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

List of Laboratories:

1. Geotechnical Engineering Laboratory.
2. Transportation Engineering Laboratory.
3. Environmental Engineering Laboratory.
4. Structural Engineering Laboratory.
5. Survey Laboratory.
6. CAD Laboratory.

7. Geology Laboratory.

Courses run by Department

1. B.Tech. Civil Engineering.
2. M.Tech. Geotechnical Engineering.

3. M.Tech. Transportation Engineering.
4. M.Tech. Environmental Engineering.
5. M.Tech. Structural Engineering.

List of Ph.D. Thesis Completed

Sl. No.	Name of Student	Reg. No.	Title	Supervisor(s)
1.	Rahul Das Gupta	2010RCE11	Electrokinetic remediation of copper contaminated soil by zero valent nano iron particle	Dr. R. P. Tiwari Dr. Kumar Venkatesh
2.	Raginee Devi	2012RCE01	Studies on pesticides transport in potato plant	Dr. Ram Pal Singh
3.	Maharana Pratap Singh	2012RGI01	Efficient multi-site statistical downscaling model for climate change	Dr. Varun Singh
4.	Bipin Prajapati	2012RCE02	Utilization of used foundry sand in soil stabilization	Dr. R. P. Tiwari Dr. Anil Kumar Sachan
5.	Vinai Singh	2013RCE54	Solid waste management and uncertainty characterization by fuzzy and optimization techniques	Dr. Nek Ram Rawal

Publication in International Journals

1. Mainak Bandyopadhyay and Varun Singh, "Agent-based geosimulation for assessment of urban emergency response plans", *Arabian Journal of Geosciences*, vol.11, Issue 8, pp.1-18, 04/2018, Published by Springer. (SCI, IF = 0.9)
2. Nirmal Kumar, Sudhir Kumar Singh H.K.Pandey, "Drainage Morphometric Analysis using open access earth observation dataset in a drought affected part of Bundelkhand Region, India", *Applied Geomatics*, pp.1-17, 04/2018, Published by Springer. (SCI, IF = 1.12)
3. Utkarsh Tiwari, Atul Pandey and Vijay Kumar, "Approaches for Rigid Pavement after Stabilizing with Lime on Expansive Soil", *International Journal of Advanced Research in Engineering and Technology (IJARET)*, vol.9, Issue 4, pp.310-314, 05/2018, Published by IAEME Publication.
4. Vipin Kumar Verma, Anupam Rawat, "Assessment of the Effectiveness of Different Curing Practices", *Journal of Ceramics and Concrete Sciences*, pp.p1-8, 06/2018.
5. Priyaranjan. Pal, "The displacement view of a multilayered HSDT plate", *Journal of Polymer Science and Engineering*, vol.1, pp.1-9, 08/2018, Published by EnPress Publisher LLC.
6. Rakesh Sahu, and Rajan Dev Gupta, "Conceptual framework of combined pixel and object based method for delineation of debris-cover glaciers", *ISPRS International Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Issue 2018, pp.173-180, 11/2018, (Scopus).
7. Iman Roustia, Md Omar Sarif, Rajan Dev Gupta, Haraldur Olafsson, Manjula Ranagalage, Yuji Murayam, Hao Zhang, and Terence Darlington Mushore, "Spatiotemporal Analysis of Land Use/Land Cover and Its Effects on Surface Urban Heat Island Using Landsat Data: A Case Study of Metropolitan City Tehran (1988–2018)", *Sustainability*, vol.10, Issue 12, pp.1-25, 11/2018, (SCI, IF=2.075)
8. Ashtosh Kumar Tripathi, Sonam Agarwal, and Rajan Dev Gupta, "A comparative analysis of conventional hadoop with proposed cloud enabled hadoop framework for spatial big data processing", *ISPRS International Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, Issue 2018, pp.425-430, 11/2018. (Scopus)

9. Nidhi Gupta, Preeti Agarwal & Priyaranjan Pal, "Free Vibration Analysis of RCC Curved Box Girder Bridges", *International Journal of Technical Innovation in Modern Engineering & Science*, vol.5, Issue 2, pp.1-7, 02/2019, Published by IJTIMES.
10. Rousta, M. Doostkamian, H. Olafsson, H. R. Ghafarian-Malamiri, H. Zhang, A. M. Taherian, M. O. Sarif, R. D. Gupta, and E. R. Monroy-Vargas, "On the relationship between the 500 hPa height fluctuations and the atmosphere thickness over Iran and the Middle East", *Tethys Journal of Weather and Climate of the Western Mediterranean*, vol.1, Issue 16, pp.3-14, 02/2019, (Scopus)
11. Ali Akbar Sabziparvar, Seyed Hossein Mir Mousavi, Mostafa Karampour, Mehdi Doostkamian, Esmaeil Haghighi, Iman Rousta, Haraldur Olafsson, Md Omar Sarif, Rajan Dev Gupta, Md Moniruzzaman, Khairul Has, "Harmonic Analysis of the Spatiotemporal Pattern of Thunderstorms in Iran (1961–2010)", *Advances in Meteorology*, vol.2019, Issue 34, pp.1-14, 02/2019, (SCI)
12. Priyaranjan Pal, "Dynamic Poisson's ratio and modulus of elasticity of pozzolana Portland cement concrete", *International Journal of Engineering and Technology Innovation*, vol.9, Issue 2, 03/2019, Published by TAETI. (Scopus)

Publication in National Journals

1. Deepak Kumar Singh, Shashi Kant Duggal & Priyaranjan Pal, "Free Vibration Analysis of Stiffened Lock Gate Structure Coupled with Fluid", *Journal of Structural Engineering (JoSE)*, vol.45, Issue 1, pp.1-9, 05/2018, Published By CSIR-SERC, Chennai. (Scopus)
2. Venkatesh, S. and Venkatesh, K., "Ozonation for Degradation of Acid Red 14: Effect of Buffer Solution", *Journal of Proc. Natl. Acad. Sci., Sect. A Phys. Sci.*, pp.1-4, 01/2019, Published by Springer. (SCI)
3. Shraddha, Sachan A. K., Debolina, B, "Decadal Trend Analysis of Rainfall Over Uttar Pradesh (India)", *Disaster Advances*, vol.12, pp.6-10, 02/2019, (Scopus)

Publication in International Conferences

1. Shalinee Shukla, R. P. Tiwari, Vaishali Rajbhar and Ayush Mittal, "Use of Jute Geotextile in Strength Enhancement of Soft Subgrade Soil", *International Symposium on Geotechnics of Transportation Infrastructure (ISGTI – 2018)*, IIT Delhi, pp.526-531, 04/2018, Published by IIT Delhi.
2. V. P. Singh & Roop Kishor, "Calculation of carbon footprint and cost analysis for sustainable highway design by using life cycle assessment approach: A case study", *ICOPAC-2018*, New Delhi, India, pp.410-417, 10/2018, Published by Excel India Publisher.
3. V. P. Singh, Himanshu Yadav, Pawan Kumar, "Hazards from the municipal solid waste dumpsites: A review", *ICSWMD-2018*, Jalandhar India, pp.336-342, 10/2018, Published by Springer Nature Switzerland AG 2019.
4. R. P. Singh, Anuradha Pandey, Debolina Basu, Ashutosh Pandey, Anjana Pandey, Sanjay Kumar, R. S. Singh, "Bio-Monitoring Of Ramgarh Lake Water at Gorakhpur, U.P., India", *Biosangam an international conference on innovations and translation dimensions: food, health, and environmental biotechnology*, MNNIT Allahabad, 11/2018.
5. Ayush Mittal and Shalinee Shukla, "Remediation Technologies – A Comparative Study", *International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018)*, MLRITM Hyderabad, India, 11/2018.
6. Ayush Mittal and Shalinee Shukla, "Effect of Geosynthetic Reinforcement on Strength Behaviour of Weak Subgrade Soil", *International Conference on Recent Advances in Materials and Manufacturing Technologies (ICRAMMT-2018)*, MLRITM Hyderabad, India, 11/2018.
7. Krishna Kumar Maurya, Anupam Rawat and Nitesh A, "Response spectrum characteristics of blast loads for models of structures supported on soil modelled as flexible base", *Conference on Next Frontiers in Civil Engineering: Sustainable and Resilient Infrastructure (NFICE2018)*, Department of Civil Engineering, IIT Bombay, 12/2018.

8. Tripti Sonker, Rakesh Kumar and Anupam Rawat, "Performance of Metakaolin Concrete under the Acidic Environment", *Conference on Advances in Structural Technologies (CoAST-2019)*, National Institute of Technology (NIT) Silchar, 02/2019, Published by Springer.
9. Nidhi Gupta, Preeti Agarwal & Priyaranjan Pal, "Free Vibration Analysis of Curved Box Girder Bridges", *International Conference on Modern Trends in Civil Engineering (ICMTCE-2019)*, Lucknow, Uttar Pradesh, pp.42, 03/2019, Published by IJTIMES.
10. Deep Tripathi, Rakesh Kumar and P. K. Mehta, "Performance Improvement of Self Compacting Concrete", *International UKIERI Concrete Congress*, NIT, Jalandhar, pp.84, 03/2019.
11. Shailendra Chaudhary and Nekram Rawal, "Multi Criteria Decision Making Approach for Selection of Solid Waste Disposal Methodology at Allahabad, India", *Indian conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019) March 01-02, 2019*, Indian geotechnical Society Allahabad Chapter organized by CED, MNNIT Allahabad, 03/2019, Published by ISBN 978-93-80634-47-0.
12. Anurag Upadhyay, Asit Kumar and Varun Singh, "Traffic Data Collection and Visualization using Intelligent Transport Systems", *International Conference on SMART CITIES: Opportunities & Challenges*, Jamia Milia Islamia University, Delhi, pp.07, 03/2019.
4. Tripti Sonkar, Anupam Rawat and Rakesh Kumar, "Performance of Metakaolin Concrete Under The Acidic Environment", *Proceeding of National Conference on Advances in Structural Technologies (CoAST-2019)*, Department of Civil Engineering, NIT Silchar, Assam, India., 02/2019.
5. Deep Tripathi, Rakesh Kumar, P. K. Mehta and Amrendra Singh, "A Comparative Study of Normal and Self Compacting Concrete", *Proceeding of National Conference on Advances in Structural Technologies (CoAST-2019)*, Department of Civil Engineering, NIT Silchar, Assam, India, pp.15, 02/2019.
6. Amrendra Singh, Rakesh Kumar, P. K. Mehta and Deep Tripathi, "Effect of Nitric Acid on Metakaolin Concrete", *Proceeding of National Conference on Advances in Structural Technologies (CoAST-2019)*, Department of Civil Engineering, NIT Silchar, Assam, India., pp.16, 02/2019.
7. Anjali Singh, Rakesh Kumar, P. K. Mehta and Raghvendra Agrahari, "Effect of Nitric Acid on Metakaolin Concrete", *Proceeding of National Conference on Advances in Structural Technologies (CoAST-2019)*, Department of Civil Engineering, NIT Silchar, Assam, India., pp.27, 02/2019.
8. Amrendra Singh, Rakesh Kumar, P. K. Mehta and Deep Tripathi, "Effect of Acidic Environment on Durability of RHA Concrete", *National Conference on Advances in Structural Technologies (CoAST-2019)*, Department of Civil Engineering, NIT, Silchar, pp.16, 02/2019.

Publication in National Conferences

1. Pawan Kumar & V. P. Singh, "Distribution and health risk assessment of heavy metal in surface dust in Allahabad municipality", *Indian Geotechnical Conference (IGC) 2018*, IISc Bengaluru, 12/2018.
2. Gautam U. K., Venkatesh K., and Kumar V., "Soil Stabilization Using Combined Waste Material", *Indian Geotechnical Conference*, IISc, Bangalore, 12/2018, Published by Springer.
3. Achal Bhardwaj & Vijay Kumar, "Prediction of coefficient of compression of soil using artificial neural network", *Indian Geotechnical Conference 2018*, IISc Bangalore, India, 12/2018.
9. Priti Patel, L.K. Mishra and Rakesh Kumar, "Comparative Study of Mixture Design Method used for Self Compacting Concrete", *Proceeding of National Conference on Advances in Structural Technologies (CoAST-2019)*, Department of Civil Engineering, NIT Silchar, Assam, India., 02/2019.
10. Ankur Katiyar, Vijay Kumar, Pramod Kr. Maurya & S. Hari Ballabh Dutt, "Use of Different Purging Solutions to Remediate the Heavy Metal from Contaminated Soil Using Electrokinetic Remediation-A Review", *Geotechnical and Geo-Environmental Engineering (ICGGE-2019)*, MNNIT Allahabad, 03/2019.

11. R. P. Tiwari, Vijay Kumar, Vimlesh Kr. Verma & S. Hari Ballabh Dutt, "A Review on Electrokinetic Remediation of Lead and Chromium Contaminated Soil", *Indian Conference on "Geotechnical and Geo-Environmental Engineering (ICGGE-2019)*, MNNIT Allahabad., 03/2019.
12. Kumar L., Yadav H., & Venkatesh K., "Parametric Study of Contiguous Pile For Deep Excavation", *Indian Conference on Geotechnical and Geo-Environmental Engineering*, MNNIT Allahabad, pp. Page 26, 03/2019, Published By Akshay Vat ISBN 978-93-80634-47-0.
13. Gautam U. K., Venkatesh K., & Kumar V., "Analysis of Slope Stability With Surcharge", *Indian Conference on Geotechnical and Geo-Environmental Engineering*, MNNIT Allahabad, pp. Page 14, 03/2019, Published By Akshay Vat ISBN 978-93-80634-47-0.
14. R. P. Tiwari, Vijay Kumar, Vimlesh Kr. Verma & S. Hari Ballabh Dutt, "A Review on Electrokinetic Remediation of Lead and Chromium Contaminated Soil", *Geotechnical and Geo-Environmental Engineering (ICGGE-2019)*, MNNIT Allahabad, 03/2019.
15. Gautam R. K., & Venkatesh K., "Statistical Analysis of The Completeness of A Seismic Catalogue", *Indian Conference on Geotechnical and Geo-Environmental Engineering*, MNNIT Allahabad, pp. Page 36, 03/2019, Published By Akshay Vat ISBN 978-93-80634-47-0.
16. Kumar S., Pandey H. K., & Venkatesh K., "Kinematic Analysis of Rock cut slope along SH-5 at Markundi, Chopan, District Sonbhadra (U.P.)", *Indian Conference on Geotechnical and Geo-Environmental Engineering*, MNNIT Allahabad, pp. Page 14, 03/2019, Published By Akshay Vat ISBN 978-93-80634-47-0.
17. Bind Y. K., Ahamed A. & Venkatesh K., "Conventional and FEM Approach For Design of Cantilever Sheet Pile Wall", *Indian Conference on Geotechnical and Geo-Environmental Engineering*, MNNIT Allahabad, pp. Page 37, 03/2019, Published By Akshay Vat ISBN 978-93-80634-47-0.
18. Gautam A., Kumar S., Pandey H. K., & Venkatesh K., "Utilization of Slake Durability and Point Load Test to Establish the Relationship for UCS of Markundi Sandstone, Markundi, Sonbhadra (U.P.)", *Indian Conference on Geotechnical and Geo-Environmental Engineering*, MNNIT Allahabad, pp. Page 15, 03/2019, Published By Akshay Vat ISBN 978-93-80634-47-0.
19. Pandey A. K., Gupta Y. K. & Venkatesh K., "Analysis of High Rise Structure Considering Soil Structure Interaction: A Review", *Indian Conference on Geotechnical and Geo-Environmental Engineering*, MNNIT Allahabad, pp. Page 45, 03/2019, Published By Akshay Vat ISBN 978-93-80634-47-0.
20. Achal Bhardwaj & Vijay Kumar, "A Review on Application of Soft Computing Techniques in Geotechnical Engineering", *Geotechnical and Geo-Environmental Engineering (ICGGE-2019)*, MNNIT Allahabad, 03/2019.
21. Sinha S., & Venkatesh K., "Rock Slope Stability Analysis Methods–A Review", *Indian Conference on Geotechnical and Geo-Environmental Engineering*, MNNIT Allahabad, pp. Page 16, 03/2019, Published By Akshay Vat ISBN 978-93-80634-47-0.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Shalinee Shukla	Energy Sources, Part B: Economics, Planning, and Policy Energy Sources, Part B: Economics, Planning, and Policy
2.	Dr. Priya Ranjan Pal	Ocean Engineering Journal of Fluids and Structures Journal of Sound and Vibration International Conference on Advances in Dynamics, Vibration and Control 3 rd Indian Conference on Applied Mechanics Recent Advances in Engineering, Technology and Computational

3.	Dr. Ram Pal Singh	Sciences ASCE Journal of Environmental Engineering Division, ASCE Journal of Hazardous, Toxic and Radioactive waste, ASCE ASCE Journals of (2) Hazardous, toxic and Radioactive waste management ASCE Journals of (1) Environmental Engineering division Journal of Membrane and Separation Technology International Journal of Civil Engineering (IJCE) International Journal of Water, Air and Soil Pollution ISH Journal of Hydraulic Engineering Journal of The Institution of Engineers (India): Series A Journal of Asian Architecture and Building Engineering
4.	Dr. Hemant Kr. Pandey	Journal of Geological Society of India Sustainable Water management
5.	Dr. Kumar Venkatesh	Scientia Iranica International Journal International Journal of Geosynthetics and Ground Engineering Desalination and Water Treatment International Journal of Earth Sciences and Engineering International Journal of Environment and Waste Management Innovative Infrastructure Solutions Recent Patents on Computer Science
6.	Dr. Vishwajeet Pratap Singh	Indian Geotechnical Journal
7.	Dr. Kumar Pallav	International Journal of Civil Engineering
8.	Dr. Varun Singh	Transportation Research Part C Nigerian Journal of Technological Research Transactions on Intelligent Transportation Systems Annals of GIS
9.	Mr. Anupam Rawat	Journal of The Institution of Engineers (India): Series A

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Shailendra Chaudhary, Chaitanya Nidhi, N	Emerging Technologies in Data Mining and Information Security	GIS-Based Model for Optimal Collection and Transportation System for Solid Waste in Allahabad City	Springer, Singapore
2.	K. Venkatesh, Vijay Kumar, V.P. Singh	Edited Proceedings of Conference ICCGE-2019	-----	Akshayavata Prakashan

Invited Lectures delivered

- Lecture delivered by Mr. Anupam Rawat at Software Application in Design of Structures (SADC-2018), CED, MNNIT Allahabad on 04/06/2018 entitled Application of CAD in Civil Engineering.
- Lecture delivered by Dr. Ram Pal Singh at Summer Training and Internship Programme in Civil Engineering (STIPCE-2018), Summer training and Internship Programme in Civil Engineering (STIPCE-2018) on 15/06/2018 entitled Importance of Water and Wastewater Quality Analysis, Principles and Analysis of few water quality parameters.
- Lecture delivered by Dr. P. K. Mehta at Self Finance Summer Training and Internship Programme in Civil Engineering (STIPCE-2018), Department of Civil Engineering, MNNIT, Allahabad on 18/06/2018 entitled Brick and Reinforcing Steel Test – Practical.

4. Lecture delivered by Dr. P. K. Mehta at Finance Summer Training and Internship Programme in Civil Engineering (STIPCE- 2018), Department of Civil Engineering, MNNIT, Allahabad on 19/06/2018 entitled Cement Test- I
5. Lecture delivered by Dr. P. K. Mehta at Self Finance Summer Training and Internship Programme in Civil Engineering (STIPCE-2018), Department of Civil Engineering, MNNIT, Allahabad on 19/06/2018 entitled Cement Test - Practical
6. Lecture delivered by Dr. P. K. Mehta at Self Finance Summer Training and Internship Programme in Civil Engineering (STIPCE-2018), Dept. of Civil Engineering, MNNIT, Allahabad on 19/06/2018 entitled Cement Test- II.
7. Lecture delivered by Dr. P. K. Mehta at Self Finance Summer Training and Internship Programme in Civil Engineering (STIPCE-2018), Department of Civil Engineering, MNNIT, Allahabad on 21/06/2018 entitled Mix Design – Practical.
8. Lecture delivered by Dr. P. K. Mehta at Self Finance Summer Training and Internship Programme in Civil Engineering (STIPCE-2018), Department of Civil Engineering, MNNIT, Allahabad on 21/06/2018 entitled Admixtures For Concrete.
9. Lecture delivered by Dr. Kumar Venkatesh at Short Term Course on Numerical and Optimization Techniques, Department of Civil Engg, MNNIT Allahabad on 13/10/2018 entitled Modelling and Analysis using Finite Element Method.
10. Lecture delivered by Dr. Nek Ram Rawal at Self Financed Short Term Course on Numerical and Optimization techniques (NOT-2018), Department of Civil Engineering, MNNIT Allahabad on 14/10/2018 entitled Lingo Software Application.
11. Lecture delivered by Dr. Varun Singh at Numerical and Optimization Techniques (NOT-2018), Department of Civil Engineering, MNNIT Allahabad on 15/10/2018 entitled Network Optimization.
12. Lecture delivered by Dr. Varun Singh at Numerical and Optimization Techniques (NOT-2018), Department of Civil Engineering, MNNIT Allahabad on 15/10/2018 entitled Numerical Techniques Implementation and Soft Computing.
13. Lecture delivered by Dr. Rama Shankar at Faculty Development Program, UCEM Allahabad on 26/12/2018 entitled Seismic Analysis of Concrete Structure.
14. Lecture delivered by Dr. Rakesh Kumar at Five Day Faculty Development Programme on "Engineering Trends in Construction Technology, Department of Civil Engineering, Madhu Vachaspati Institute of Engineering and Technology, Allahabad on 09/01/2019 entitled Use of Mineral Admixtures in Concrete.

Expert/Invited Lectures Organized

1. A lecture is delivered by Prof. G L Sivakumar Babu, Professor, IISc Bangalore on 01/03/2019 entitled Role of municipal waste characterization in landfills and rehabilitation of waste dump.
2. A lecture is delivered by Prof. K S Rao, Professor, IIT Delhi on 01/03/2019 entitled Subansri powerhouse slope failures and their stability.
3. A lecture is delivered by Prof. N. K. Samadhiya, Professor, IIT Roorkee on 01/03/2019 entitled Influence of seepage force on active and passive thrust for design of a rigid cut-off wall.
4. A lecture is delivered by Dr. T.V. Bharat, Associate Professor, IIT Guwahati on 01/03/2019 entitled Role and long-term behavior of bentonite-based liners for landfill applications.
5. A lecture is delivered by Prof. P.V. Sivapulliah, Pro Vice-Chancellor/ Professor, Gitam University /Ex-Professor IISc Bangalore on 02/03/2019 entitled Behaviour of fine grained soils from void ratio in normal and contaminated environment.
6. A lecture is delivered by Dr. Abhishek Kumar, Associate Professor, IIT Guwahati on 02/03/2019 entitled Importance of local soil from seismic aspect.
7. A lecture is delivered by Dr. P Bala Ramudu, Associate Professor, IIT BHU on 02/03/2019 entitled A study on effect of alkali interaction on soil behavior.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Workshop	Foundation: Analysis, Design and Construction Technique (FACT-2018), MNNIT Allahabad	21.05.2018	25.05.2018
2.	Summer Training cum Internship Programme	Summer Training cum Internship Programme in Civil Engineering, CED, MNNIT Allahabad	11.06.2018	07.07.2018
3.	Training Programme	Short Term Training Programme on Self Defense Skills for Female Students, Kamla Nehru Girl's Hostel, MNNIT Allahabad	30.07.2018	03.08.2018
4.	Training Programme	Short Term Training Programme on Self Defense Skills for Female Students, Kamla Nehru Girl's Hostel, MNNIT Allahabad	06.08.2018	10.08.2018
5.	Workshop	Gender Sensitivity at Workplace, MNNIT Allahabad	11.08.2018	11.08.2018
6.	Self Financed Short Tem Course	Numerical Optimization Technique (NOT-2018), CED, MNNIT Allahabad	12.10.2018	16.10.2018
7.	Workshop	Use of Hindi in Technical Education, MNNIT, Allahabad	21.12.2018	21.12.2018
8.	National conference	Indian Conference on Geotechnical and Geo-Environmental Engineering (ICGGE-2019), MNNIT Allahabad	01.03.2019	02.03.2019

Events Attended

- Dr. Kumar Venkatesh attended Workshop on National Networking on Contaminated Sites: Surface Investigations and Remediation at IIT Delhi, New Delhi on/during 12/07/2018 to 13/07/2018.
- Dr. Vishwajeet Pratap Singh attended Workshop on National networking Workshop at IIT DELHI on/during 12/07/2018 to 13/07/2018.
- Dr. Ram Pal Singh attended National conference on Geotechnical and Geo-Environmental Engineering (ICGGE - 2019) at Civil Engineering Department, MNNIT Allahabad on/during 01/03/2019 to 02/03/2019.
- Dr. Priya Ranjan Pal attended National conference on Geotechnical and Geo-Environmental Engineering at MNNIT Allahabad on/during 01/03/2019 to 02/03/2019.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator/Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Ram Pal Singh (Co-PI)	Capacity Building in dam safety under Dam Rehabilitation and Improvement	CWC, Gol	Rs.46100000	Ongoing
2.	Dr. R. P. Tiwari	Development of In-House Expertise on Dam Safety under Dam Rehabilitation and Improvement Project (DRIP)	Central Water Commission, Government of India, New Delhi	Rs. 461.00 Lacs	Ongoing
3.	Dr. Nek Ram Rawal(Co-PI)	Ambient Air Quality Monitoring and Noise Monitoring	U.P. Pollution Control Board, Lucknow	Rs.10.56 Lakhs	Ongoing
4.	Dr. Vishwajeet Pratap Singh(PI)	Development of web based tool for selection of sustainable remediation option for soil	MHRD sponsored project "Design and Innovation Centre"	Rs.0.50	Ongoing

		contaminated with organic contaminants			
5.	Dr. Hemant Kumar Pandey (PI)	Identification of Groundwater Prospect and Recharge Zones in District, Banda, U.P.	NRDMS, DST, New Delhi	Rs.18.24 Lakh	Ongoing
6.	Dr. Ram Pal Singh (PI)	Ambient air quality monitoring project at three station in Allahabad city	UPPCB, lucknow	Rs.1056000	Ongoing

Other Relevant Information

1. Dr. Varun Singh received Best Paper Award for paper "Traffic Data Collection and Visualization using Intelligent Transport Systems" at International Conference on SMART CITIES: Opportunities & Challenges, Jamia Milia Islamia, New Delhi, 14th - 16th March, 2019 on 03/2019.

10.4 DEPARTMENT OF CHEMICAL ENGINEERING

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.

Mission

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

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

List of Laboratories

1. Mass Transfer Laboratory
2. Chemical Technology Laboratory
3. Environmental Laboratory
4. Process Dynamics & Control Laboratory
5. FPM & MO Laboratory
6. Chemical Reaction Engineering Laboratory
7. PG Analytical Laboratory
8. CAD Laboratory

Courses run by Department:

1. B. Tech. (Chemical Engineering)
2. M. Tech. Chemical Engineering

Courses in which students were admitted during 04/2018 - 03/2019 :

1. B. Tech. (Chemical Engineering)
2. M. Tech. (Chemical Engineering)

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Umesh Chandra Sharma (Part Time)	2010RCL02	Synthesis and characterization of biolubricant from non-edible karanja oil	Dr. Sadhana Sachan

Publication in International Journals

1. Singh A., Lavkush, Kureel, A. K., Dutta, P. K., Kumar, S., Rai, A. K., "Curcumin loaded Chitin-Glucan Quercetin Conjugate: Synthesis, Characterization, Antioxidant, In Vitro Release Study and Anticancer Activity", *International Journal of Biological Macromolecules*, vol.110, pp.234-244, 04/2018, Published by Elsevier. (SCI, IF = 3.671)
2. Ankur Gaur, Harish Kumar, "Synthesis and swelling behavior of superabsorbent hydrogels acquired from CMC for efficient drug-delivery", *Research Journal of Chemistry and Environment*, vol.22, Issue 5, pp.19-26, 05/2018, Published by World Research Journal Group. (Scopus)
3. T. Jain, S. Kumar, P. K. Dutta, "Carboxymethylchitin Nanocarrier (CMCNC): A Novel Therapeutic Formulation for Drug Release", *Polymer-Plastics Technology and Engineering*, 05/2018, Published by Taylor & Francis inc. (SCI, IF = 1.655)

4. Wasim Khan, A. K. Chandra, K. Kishor, Sadhana Sachan, and M. Siraj Alam, "Slug formation mechanism for air–water system in T-junction microchannel: a numerical investigation", *Chemical Papers*, vol.72, Issue 11, pp.2921-2932, 06/2018, Published by Springer. (SCI, IF= 1.258)
5. Kumari, A., Gaur A., Wasewar, K. L., Kumar, Sushil, "Modeling and Optimization of Reactive Extraction of Isonicotinic Acid Using Tri-n-octylamine in Biocompatible Diluents Mixture: Response Surface Methodology and Regeneration of Solvents.", *Industrial and Engineering Chemistry Research*, vol.57, Issue 37, pp.12485–12, 08/2018, Published by American Chemical Society. (SCI, IF = 3.375)
6. Patle, D. S. Gadhamsetti, A. P. Sharma, S. Agrawal, V. Rangaiah, G. P., "Plantwide control of the formic acid production process using an integrated framework of simulation and heuristics", *Industrial & Engineering Chemistry Research*, vol.57, pp.13478–13, 09/2018, Published by American Chemical Society (ACS). (SCI, IF = 3.4)
7. Umesh Chandra Sharma, Sadhana Sachan and Shishir Sinha, "Analysis of Viscosity-Temperature behaviour of karanja oil Trymethylolpropane ester biolubricant base stock", *Asian Journal of Chemistry*, vol.30, Issue 4, pp.790-794, 10/2018, Published by Asian Journal of Chemistry. (SCI, IF = 0.14)
8. Shashi Bala Gautam, Siraj Alam and Suantak Kamsonlian, "Equilibrium and thermodynamic aspects of As(III) with temperature onto raw coconut husk and iron impregnated coconut husk", *Research Journal of Chemistry and Environment*, 10/2018, Published by World Researchers Associations. (Scopus, IF = 0.24)
9. Gautam Shashi Bala, Kamsonlian Suantak, M. Siraj Alam, "Equilibrium and thermodynamic aspects of As(III) with temperature onto raw coconut husk and iron impregnated coconut husk", *Research Journal of Chemistry and Environment*, pp. Accepted, 11/2018, Published by International Congress of Chemistry and Environment. (Scopus, IF = 0.20)
10. Khiratkar, A. G., Balinge, K. R., Patle, D. S., Krishnamurthy, M., Cheralathan K. K. and Bhagat, P. R., "Transesterification of Castor Oil using Benzimidazolium based Brønsted acidic Ionic Liquid Catalyst", *Fuel*, vol.231, pp.458–467, 11/2018, Published by Elsevier. (SCI, IF = 5.1)
11. Patle D. S., Sharma S., Gadhamsetti, A. P., Balinge, K. R., Bhagat, P. R., Pandit, S., Kumar, Sushil, "Ultrasonication-Assisted and Benzimidazolium -Based Brønsted Acid Ionic Liquid-Catalyzed Transesterification of Castor Oil", *ACS Omega*, vol.3, Issue 11, pp.15455–15, 11/2018, Published by American Chemical Society. (SCI, IF = 2.584)
12. Kumari, A., Gaur A., Uslu, H., Kumar, Sushil, "Reactive separation of p-nitro phenol (PNP) from aqueous solution using tri-n-butyl phosphate: equilibrium and COSMO-RS studies", *Separation Science and Technology*, 12/2018, Published by Taylor and Francis. (SCI, IF = 1.354)
13. Gokul, P.V., Singh, P., Singh, V.P., Sawarkar, A. N., "Thermal behavior and kinetics of pyrolysis of arecanut husk", *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 02/2019, Published by Taylor and Francis. (SCI)
14. Umesh Chandra Sharma, Abhishek Kumar Chandra and Sadhana Sachan, "Investigation on Thermo-Oxidative Stability of Karanja Oil Derived Biolubricant Base Oil", *Asian Journal of Chemistry*, vol.31, Issue 4, pp.839-844, 02/2019, Published by Asian Publisher corporation.
15. Sawarkar, A. N., "Upgrading of Mumbai High vacuum residue", *Petroleum Science and Technology*, vol.37, pp.1090–109, 02/2019, Published by Taylor and Francis. (SCI)

Publication in International Conferences

1. Pandey, S., Rusia, M., Kumari A., Kumar, Sushil, "Statistical Optimization of Gallic Acid Extraction from Aqueous Waste Stream Using Tri-n-Octylamine (TOA) in Biocompatible Diluents", *Technoscape – 2018*, VIT Vellore, 09/2018.
2. Gautam, K., Kamsonlian, S., Kumar, Sushil, "RSM with BBD Approach for Optimization of Electrocoagulation Process to Remove Reactive Black 5 Dye from Wastewater: Isothermal and Kinetics Study with Economical Analysis", *Technoscape 2018*, VIT Vellore, 09/2018.

3. Sawarkar, A. N., "Heavy crude oil upgrading: Recent advances and possible way forward", CHEMCON-2018, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, 12/2018.
4. Singh, S., Singh, R. K., Verma, A., Sawarkar, A. N., "Reaction mechanism and kinetics of pyrolysis of garlic straw", CHEMCON-2018, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, 12/2018.
2. Anubhav Sarmah, Aayushi Shanker, Ashutosh Pandey, Sameer Srivastava, Suantak Kamsonlian, "Harvesting of Algae from Wastewater Using Electrocoagulation Process", 14th Annual Session of Students Chemical Engineering Congress (SCHEMCON-2018), Institute of Chemical Technology (ITC), Mumbai, 10/2018.

Publication in National Conferences

1. Kajal Gautam, Sushil Kumar, Suantak Kamsonlian, "RSM with BBD Approach for Optimization of Electrocoagulation Process to Remove Reactive Black 5 Dye from Wastewater: Isothermal and Kinetics Study with Economical Analysis", TECHNOSCAPE 2018, School of Chemical Engineering, Vellore Institute of Technology (VIT), Vellore (Tamil Nadu), 08/2018.
3. W. Khan, B. Khatoon, A. K. Chandra, K. Kishor, S. Sachan and M. S. Alam,, "Numerical study of two phase fluid flow in a T-junction microchannel", Computational Modeling of Fluid Dynamics Problems (CMFDP-2019), NIT Warangal, 01/2019.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Sushil Kumar	Energy and Fuel Chemical Engineering Communications (Tailors and Francis) Separation and Purification Technology Journal of Chemical Technology and Biotechnology Industrial and Engineering Chemistry Research Resource Efficient Technologies Journal (Elsevier) Journal of Chemical and Engineering Data
2.	Dr. Sadhana Sachan	Journal of Polymers and the Environment Journal of Institution of Engineers (India): Series E Chemical and Biochemical Engineering Quarterly Journal of Applied Polymer Science
3.	Dr. Mohd Siraj Alam	Journal of The Institution of Engineers (India): Series E Chemical Engineering Communications International Communications in Heat & Mass Transfer Chemical Engineering Science
4.	Dr. Harinder Singh	Food Hydrocolloids Food Chemistry Starch
5.	Dr. Ankur Gaur	Environmental Technology Emerging Trends in Chemical Engineering Clean Technologies & Environment Policies
6.	Dr. Dipesh Shikchand Patle	ISA Transactions; Chemical Engineering Science; Fuel; Chemical Product & Process Modeling; Bentham Science
7.	Dr. Ashish Nivrittinath Sawarkar	Ultrasonics Sonochemistry

Invited Lectures Delivered

1. Lecture delivered by Dr. Dipesh Shikchand Patle at FDP, HBTU Kanpur on 27/07/2018 entitled

Plantwide Control - case studies considering biodiesel and formic acid processes.

2. Lecture delivered by Dr. Sadhana Sachan at TEQIP-III sponsored STC, Department of Chemical Engineering, MNNIT Allahabad on 10/10/2018 entitled Introduction of Heat transfer operations in Industries. MNNIT Allahabad on 24/10/2018 entitled Heat Transfer Enhancement and Application of Nanofluids.
3. Lecture delivered by Dr. Mohd Siraj Alam at TEQIP-III Sponsored STC on "Advances and Applications of NanoFluids" during October 23-28, 2018, Department of Applied Mechanics, MNNIT Allahabad on 24/10/2018 entitled Heat Transfer Enhancement and Application of Nanofluids.

Expert/Invited Lectures Organized

1. A lecture is delivered by Mr. Deepankar Gupta, Manager (Process Engineering), IFFCO, Phulpur on 27/09/2018 entitled IFFCO Phulpur Unit-Energy Conservation.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Workshop	Hindi Typing, MNNIT Allahabad	27.05.2018	
2.	Workshop	Importance of Hindi in technical education Department of Chemical Engineering, MNNIT Allahabad	27.06.2018	27.06.2018
3.	Short term course	Industrial Applications of Heat Transfer Operations (IAHTO – I: 2018, MNNIT Allahabad)	10.10.2018	14.10.2018
4.	Short Term Course	New Trends in Wastewater Treatment and its Reuse (NTWT-2019), MNNIT Allahabad	12.03.2019	16.03.2019

Events Attended

1. Dr. Ashish Nivrittinath Sawarkar attended International conference on 71st Annual session of IChE (CHEMCON-2018) at Dr. B. R.

Ambedkar National Institute of Technology, Jalandhar on/during 27/12/2018 to 30/12/2018.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator/Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Sushil Kumar (Co-PI)	Development of new methodology for parameters effecting the energy efficiency of HVAC systems	M/s Felidae Systems, Noida	Rs.54000	Ongoing
2.	Dr. Dipesh Shikchand Patle (Co-PI)	Direct biodiesel synthesis from microalgae through in situ transesterification using homogeneous catalyst	USM Malaysia (RUI)	Rs. 70000	Ongoing
3.	Dr. Ankur Gaur (PI)	Development & Characterization of Nano-material based Transparent Thermal Coating	Starshield Paint, Ghaziabad	Rs.120000	Ongoing
4.	Dr. Sushil Kumar (PI)	Bioremediation for the removal of reactive dyes from industrial waste water	CST, UP Lucknow	Rs.1044000	Ongoing
5.	Dr. Ashish Nivrittinath Sawarkar (PI)	Value Added Products from Bottom-of-the-barrel	Plan Grant of Institute, MNNIT Allahabad	Rs.2,18,000	Ongoing
6.	Dr. Dipesh	In situ biodiesel production	SERB	Rs.971410	Ongoing

	Shikchand Patle (PI)	from microalgae using ultrasonic assisted reactor			
7.	Dr. Ankur Gaur (PI)	Development of new methodology for parameters effecting the energy efficiency of hvac systems	Felidae Systems, Noida	Rs.54000	Ongoing
8.	Dr. Mohd Siraj Alam, (PI)	Preparation of dip charts for storage tank of organic liquids	TEQIP-II	Rs.50000	Ongoing
9.	Dr. Sushil Kumar (PI)	Reactive extraction of nicotinic- and isonicotinic acids from aqueous solution	Department of Science & Technology (DST) Government of India, New Delhi	Rs. 1111000	Complete on 09.12.2018
10.	Dr. Sushil Kumar (Co-PI)	Inspection of GPIs for compliance verification of effluents discharge standard	CPCB, New Delhi	Rs.10000000	Ongoing
11.	Dr. Ashish N. Sawarkar (PI)	Studies on Pyrolysis of Rice Husk	MVP, Mumbai	Rs.1,00,000	Ongoing
12.	Dr. Dipesh Shikchand Patle (PI)	Direct biodiesel synthesis from microalgae through in situ transesterification using homogeneous catalyst	VIT Vellore	Rs.285000	Completed on 04/2018
13.	Dr. Suantak Kamsonlian (Co-PI)	Phase-II, Inspection of 130 GPIs at Kanpur (U.P.) for compliance verification of effluents discharge standards	CPCB, New Delhi	Rs.1 crore	Completed on 06/2018

Other Relevant Information

1. Dr. Dipesh Shikchand Patle received Young Scientist Award (Y-ENNC1533) from Venus International Foundation on 08/2018.

10.5 DEPARTMENT OF CHEMISTRY

Vision

To develop state-of the-art infrastructure for providing high quality education and training in chemical sciences in tune with the contemporary global scenario.

Mission

To train and help engineering undergraduate students to acquire experimental and theoretical knowledge in applied chemistry. Also to train Ph.D. students in chemical sciences to become independent researchers having good fundamental understanding of the subject to cater the academic and industry needs.

List of Laboratories

1. Undergraduate Laboratory

2. Research Laboratory

Courses Run by Department:

1. Chemistry CY1101
2. Chemistry CY1201
3. Chemistry Lab CY1152
4. Chemistry Lab CY1252
5. OPC CY1401
6. OPC Lab CY 1451
7. Nano-Biotechnology CY701
8. Advance Spectroscopy CY6101
9. Advance Spectroscopy CY6201

Courses in which students were admitted during 04/2018 - 03/2019 :

1. Chemistry CY1101
2. Chemistry CY1201
3. Chemistry Lab CY1152
4. Chemistry Lab CY1252
5. OPC CY1401
6. OPC Lab CY 1451
7. Nano-Biotechnology CY701
8. Advance Spectroscopy CY6101

Publication in International Journals

1. Anu Singh, Lavkush, Amit Kumar Kureel, P. K. Dutta, Sushil Kumar and Ambak Kumar Rai, "Curcumin loaded chitin-glucan quercetin conjugate: Synthesis, characterization, antioxidant in vitro release study, and anticancer activity.", *Int. J. Biol. Macromol.*, vol.110, pp.234-244, 04/2018, Published by Elsevier. (SCI, IF = 3.671)
2. Sudheer Rai, Amit Kumar Kureel, P. K. Dutta, G. K. Mehrotra, "Phenolic compounds based conjugates from dextran aldehyde and BSA: Preparation, characterization and evaluation of their anti-cancer efficacy for therapeutic applications", *International Journal of Biological Macromolecules*, vol.110, pp.425 -436, 04/2018, Published by Elsevier. (SCI, IF = 3.90)
3. Tanvi Jain, S. Kumar, P. K. Dutta, "Carboxy methylchitin Nanocarrier (CMCNC): A Novel Therapeutic Formulation for Drug Release", *Polymer Plastics Engg & Technology*, pp.1-15, 05/2018, Published by Taylor & Francis. (Scopus, IF = 1.655)
4. Sushma, Hridyesh Kumar, Iqbal Ahmad, Pradip Kumar Dutta, "In-vitro toxicity induced by quartz nanoparticles: Role of ER stress", *Toxicology*, vol.404, pp.1-9, 05/2018, Published by Elsevier. (Scopus, IF = 3.621)
5. Ipsita Padhye, Sri Krishna, Prabha Bhartiya, Alok Mukerjee and P. K. Dutta, "Chitosan-Stearic acid based Micelle: An Efficient Nanocarrier for Drug Delivery", *Asian Chitin J.*, vol.14, Issue 1, pp.20-28, 06/2018, Published by SSM Publication.
6. Kazim S. Rizvi, P. K. Dutta, "Part 1: Synthesis and Characterization of New Crosslinker: 4-(3-(4-nitrobenzoyl thioureido) benzoic acid and its use in Chitosan Modification", *Asian Chitin J.*, vol.14, Issue 1, pp.5-12, 06/2018, Published by SSM Publication.
7. Madhu Kashyap, D. Archana, Brijesh K. Singh, Joydeep Dutta, and P.K.Dutta, "Preparation of Cinnamon Oil Encapsulated Chitosan/Alginate Hydrogel Composite For Food and Wound Healing Applications", *Asian Chitin J.*, vol.14, Issue 1, pp.13-20, 06/2018, Published by SSM Publication.
8. Anu Singh, P. K. Dutta, Hridyesh Kumar, Amit Kumar Kureel, Ambak Kumar Rai, "Synthesis of chitin-glucan-aldehyde-quercetin conjugate and evaluation of anticancer and antioxidant activities", *Carbohydrate Polymers*, vol.193, pp.99-107, 08/2018, Published by Elsevier. (SCI, IF = 6.044)
9. Nidhi Nigam, Santosh Kumar, P. K. Dutta and Tamal Ghosh, "A Novel Design Strategy for Chitosan containing azo-based Schiff bases for Colorimetric Sensing of Anions", *Journal of Polymer Materials*, vol.35, pp.137-148, 09/2018, Published by Prints Publications Pvt. Ltd.. (Scopus, IF = 0.38)
10. Shiva Arun, Yadvendra Singh, Amreen Naz, Prabha Bhartiya, Kshama Srivastava, Shahid Suhail Narvi and Pradip Kumar Dutta, "Chitosan nano composite containing undecatungstosilicate via cobalt substitution: Characterization and Evaluation of their Biological Activity", *J. Polymer Materials*, vol.35, Issue 3, pp.297-308, 09/2018, Published by Print Publication. (SCI, IF = 0.355)
11. Sudheer Rai1, P. K. Dutta and G. K. Mehrotra, "Natural Antioxidant and Antimicrobial Agents from Agrowastes: An Emergent Need to Food Packaging", *Waste and Biomass Valorization*, pp.1-12, 10/2018, Published by Springer. (SCI, IF = 2.358)
12. Kazim Shamim Rizvi and P. K. Dutta, "Part 2: Synthesis and characterization of of New Crosslinker: 4-(2-(2-hydroxybenzylidene) (hydrazinyl) benzoic acid and its use in chitosan modification", *Asian Chitin J.*, vol.14, Issue 2, pp.3-6, 12/2018, Published by SSM Publication.
13. Shiva Arun, Prabha Bhartiya, Amreen Naz, Sudheer Rai, S.S. Narvi, P. K. Dutta, "Fabrication and Characterization of Polyoxometalate based Nano-hybrids: Evaluation of their role in Biological Activity", *J.Polymer Materials*, vol.35, Issue 4, pp.475-484, 12/2018, Published by Print Publication. (SCI, IF = 0.355)
14. Kazim S. Rizvi, P. K. Dutta, "Synthesis and Characterization of New Chromophore 4-2-(2-hydroxy-5-(4 nitrophenyl) diazenyl) benzylidene) hydrazinyl) Benzoic Acid and its use in Chitosan Modification", *J.Polymer Materials*, vol.36, Issue

- 1, pp.15-27, 01/2019, Published by Print Publication. (SCI, IF = 0.355)
15. Tanvi Jain, S. Kumar, P. K. Dutta, "Carboxymethylchitin Nanocarrier (CMCNC): A Novel Therapeutic Formulation for Drug Release", *Polymer Plastics Engg & Technology*, vol.58, Issue 1, pp.55-69, 01/2019, Published by Taylor & Francis. (SCI, IF = 1.705)
 16. Nazrul Hsan, P. K. Dutta, Santosh Kumar, Ranajit Bera, Neeladri Das, "Chitosan grafted graphene oxide aerogel: Synthesis, characterization and carbon dioxide capture study", *International Journal of Biological Macromolecules*, vol.125, pp.300-306, 03/2019, Published by Elsevier. (Scopus, IF = 4.784)
 17. Kamini Gupta, Jatineder kumar, R. P. Singh, Anjana Pandey, Priya Rai, Ashutosh Pandey, "Standardised nanostructured Ta/N-TiO₂ for environmental contaminants: an efficient visible light induced photochemical quencher for dyes", *Materials Technology Advance Performance Materials*, pp.765-775, 03/2019, Published by Taylor and Francis. (SCI, IF = 1.820)
- subtilis and Ecoli*", 7th Indian Chitin & Chitosan Society Meeting, Pune, CSIR-NCL, Pune, pp.89, 10/2018, Published by ICCS.
3. Hridyesh Kumar & P. K. Dutta, "Chitosan based synthesis of CdS and CdSe QDs", 7th Indian Chitin & Chitosan Society Meeting, Pune, CSIR-NCL, Pune, pp.63, 10/2018, Published by ICCS.
 4. Nazrul Hsan & P. K. Dutta, "Chitosan based Fe₃O₄@silica sulfonic acid porous composite for efficient carbon dioxide adsorption", 7th Indian Chitin & Chitosan Society Meeting, Pune, CSIR-NCL, Pune, pp.26, 10/2018, Published by ICCS.
 5. Prabha Bhartuya & P. K. Dutta, "Quercetin grafted chitosan-Polypyrrole nanocomposite for photothermal therapy", 7th Indian Chitin & Chitosan Society Meeting, Pune, CSIR-NCL, Pune, pp.79, 10/2018, Published by ICCS.
 6. Shefali Jaiswal, P. K. Dutta & Santosh Kumar, "Chitosan grafted N, N'-methylene bis acrylamide for biomedical applications :Synthesis, characterization and enhanced antibacterial study", 7th Indian Chitin & Chitosan Society Meeting, Pune, CSIR-NCL, Pune, pp.57, 10/2018, Published by ICCS.

Publication in International Conferences

1. P.K.Dutta, "Usefulness of chitin/chitosan for CO₂ capturing materials: Current challenges & strategies", 2nd International Conference on Chemistry, Industry and Environment, Aligarh Muslim University, Aligarh, 02/2019, Published by AMU.
2. Ashutosh Pandey, Anjana Pandey and Saumya Srivastava, "Methyl Parathion sensing using nanoenzymatic activity of gold nanoclusters", *Single Molecule Sensors and Nanosystems*, Munich, Germany, pp.75, 03/2019, Published by S3IC conference book.
7. Srasti Yadav, G. K. Mehrotra and P. K. Dutta, "Preparation, Physicochemical Characterization and Biological Evaluation of Chitosan-gelatin film incorporated with Gallic loaded Starch Nanoparticles for Food Packaging", 7th Indian Chitin & Chitosan Society Meeting, Pune, CSIR-NCL, Pune, pp.97, 10/2018, Published by ICCS.
8. P. K. Dutta, "My Journey from 1993 to 2018 for Chitosan Research", 7th Indian Chitin & Chitosan Society Meeting, Pune, CSIR-NCL, Pune, pp.24-25, 10/2018, Published by ICCS.
9. Nivedita Sinha, B. K. Singh, P. K. Dutta, "Effect on aliphatic chain length (n) of chitosan derivatives for antibacterial activity and drug delivery system," *National Conference on Polymers: Usefulness and current concerns*, MNNIT Allahabad, 12/2018, Published by SSM Publication.
10. Anu Singh and P. K. Dutta, "Synthesis, characterization and applications of chitin-glucan Tannic conjugate", *National Conference on Polymers: Usefulness and current concerns*,

Publication in National Conferences

1. Anu Singh & P. K. Dutta, "Synthesis, characterization and application aspect of Indian edible mushroom (*Agaricus bisporus*) originated chitin-glucan complex", 7th Indian Chitin & Chitosan Society Meeting, Pune, CSIR-NCL, Pune, pp.28, 10/2018, Published by ICCS.
2. Anu Singh, P. K. Dutta, "A novel green synthesis of ag nanoparticles using chitin-glucan-quercetin conjugate and its antibacterial activity against *b.*

- MNNIT Allahabad, 12/2018, Published by SSM Publication.
11. Shefali Jaiswal, Prabha Bhartiya, P. K. Dutta and Santosh Kumar, "*Quercetin loaded arginine-folate functionalized chitosan/graphene oxide nanocomplexes as an effective antioxidant and antibacterial agent*", *National Conference on Polymers: Usefulness and current concerns*, MNNIT Allahabad, 12/2018, Published by SSM Publication.
12. Srasti Yadav, G. K. Mehrotra and P. K. Dutta, "*Antimicrobial chitosan-gelatin based film incorporated with Tannic acid loaded starch nanoparticles for food packaging*", *National Conference on Polymers: Usefulness and current concerns*, MNNIT Allahabad, 12/2018,
13. Nazrul Hsan and P. K. Dutta, "*Chitosan-based multi-walled carbon nanotubes film for efficient carbon dioxide adsorption study*", *National Conference on Polymers: Usefulness and current concerns*, MNNIT Allahabad, 12/2018, Published by SSM Publication.
14. Prabha Bhartiya and P. K. Dutta, "*Carbon dots decorated Prussian blue nanoparticles for effective cancer therapy and cellular imaging*", *National Conference on Polymers: Usefulness and current concerns*, MNNIT Allahabad, 12/2018.
15. Anu Singh and P. K. Dutta, "*Preparation, characterization and antibacterial study of chitin-glucan microspheres in the light of nanospheres: a spray drying technique*", *National Conference on Advanced Nanomaterials and their Applications*, MNNIT Allahabad, 12/2018.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. G. K. Mehrotra	Journal of Nanoscience and Nanotechnology Journal of Molecular Structure Nano Medicine Trends in Food Science & Technology Molecular Liquids Green Chemistry
2.	Dr. P. K. Dutta	International Journal of Biological Macromolecules RSC Advances African J. Biotechnology IET Nanotechnology Materials Research Exp. Biomacromolecules Journal of Materials Chemistry B Journal of Polymer Materials Carbohydrate Polymers Cell.Physiol.Biochem Carbohydrate Polymers International Journal of Biological Macromolecules RSC Advances Colloids and Surfaces B Food Hydrocolloids Carbohydrate Polymers Materials Science & Engg C
3.	Dr. Ashutosh Pandey	Inorganica Chimica Acta Materials Letters Inorganic Chemistry
4.	Dr. Tamal Ghosh	Sensors and Actuators B: Chemical Sensors and Actuators B: Chemical

Invited Lectures Delivered

1. Lecture delivered by Dr. P. K. Dutta at 7th Indian Chitin & Chitosan Society Meeting at NCL-Pune, ICCS on 12/10/2018 entitled My Journey for chitosan research from 1993-2018.

2. Lecture delivered by Dr. P. K. Dutta at 2nd International Conference on Chemistry, Industry and Environment, Aligarh Muslim University, Aligarh on 18/02/2019 entitled Usefulness of chitin/chitosan for CO₂ capturing materials: Current challenges & strategies.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Workshop	Motivation to research: Your performance indicator, MNNIT Allahabad	16.02.2019	
2.	Workshop	Techniques in Molecular biology, MNNIT Allahabad	12.06.2018	18.06.2018
3.	Meeting with experts from Industry to formulate M.Sc course syllabus	Meeting with experts from Industry to formulate M.Sc course syllabus, MNNIT , Allahabad	09.07.2018	09.07.2018
4.	Workshop	"Use of Hindi in Research Publications, MNNIT Allahabad	28.09.2018	28.09.2018
5.	National conference	Polymers: Usefulness and current concerns, MNNIT Allahabad	23.12.2018	24.12.2018

Events Attended

1. Dr. P. K. Dutta attended Symposium/Annual Meeting on 7th Indian Chitin and Chitosan Society Meeting at NCL-Pune on/during 11/10/2018 to 13/10/2018.
2. Dr. P. K. Dutta attended International conference on 2nd International Conference on Chemistry, Industry and Environment at Aligarh on/during 18/02/2019 to 19/02/2019.

Scholar his citation of research papers is above 5000 and h-index is 31, on 10/2018

10.6 DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

Vision

The Computer Science & Engineering Department of Motilal Nehru National Institute of Technology Allahabad would continue to provide leading programs in the field of computing. 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.

Mission

To offer high quality undergraduate and graduate programs, to train the students in

Other Relevant Information

1. Dr. P. K. Dutta received Best Faculty Researcher Award (Marshall Award) with a cash prize of Rs.10,000/- & citation by Indian Chitin & Chitosan Society (ICCS), Erode (Tamil Nadu) in its 7th Annual Meeting (October 11-13, 2018) held at CSIR-National Chemical Laboratory Pune (CSIR-NCL) for his untiring 25 years research work (SGSITS, Indore, 1993-2002 and MNNIT, 2002-2018) on Chitin & Chitosan fields and widespread expansion of Chitin Science at MNNIT in 2005, as a Founder Editor he started an International Journal: Asian Chitin Journal (since 2009 biannually). Till date in Google

different aspects of computing discipline and to offer other training programs to enhance, augment, and/or update technical skills of stakeholders. 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. 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. To attract and retain a diverse and multicultural population of student, faculty, and staff.

List of Laboratories:

1. Image Processing.
2. Information Security.
3. Microprocessor and Computer Architecture.
4. Distributed Computing.
5. P.G. Laboratory.

6. U. G. Laboratory.
7. Software Testing Lab.

Courses Run By Department:

1. B. Tech. in Computer Science and Engineering.
2. B. Tech. in Information Technology.
3. M. Tech. in Computer Science and Engineering.
4. M. Tech. in Software Engineering.
5. M. Tech. in Information Security.
6. MCA.

Courses in which students were admitted during 04/2018 - 03/2019 :

1. B. Tech. in Computer Science and Engineering
2. B. Tech. in Information Technology
3. M. Tech. in Computer Science and Engineering
4. M. Tech. in Software Engineering
5. M. Tech. in Information Security
6. MCA

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Sarika Yadav	2012RCS03	Energy efficient aggregation head selection algorithms in structure free wireless sensor networks	Dr. R. S. Yadav
2.	Kumari Nidhi Lal	2015RCS08	Distributed In-Network Cache Content Strategy For Information-Centric Networking (Icn)	Dr. Anoj Kumar

Publication in International Journals

1. Rupesh Kumar Dewang, A. K. Singh, "State-of-Art Approaches for Review Spammer Detection: A Survey", *Journal of Intelligent Information Systems*, vol.50, Issue 2, pp.231-264, 04/2018, Published by Springer. (SCI, IF = 1.29)
2. A. K. Singh, Shashank Srivastava, "A survey and classification of controller placement problem in SDN", *International Journal of Network Management*, 04/2018, Published by Wiley. (SCI, IF = 1.118)
3. Rajitha Bakhthula, Shivendra Shivani, Suneeta Agarwal, "Self authenticating medical X-ray images for telemedicine applications", *Multimedia Tools and Applications*, vol. 77, Issue 7, pp.8375-839, 04/2018, Published by Springer. (SCI, IF = 1.530)
4. Ashutosh Kumar Singh, Shashank Srivastava, "A survey and classification of controller placement problem in SDN", (*John Wiley & Sons*) *International Journal of Network Management*, vol.28, Issue 3, 05/2018, Published by John Wiley & Sons Ltd. (SCI)
5. Priyanka Singh & Pragya Dwivedi, "Integration of new evolutionary approach with artificial neural network for solving short term load forecast problem", *Applied Energy*, vol.217, pp.537-549, 05/2018, Published by Elsevier. (SCI, IF=8.426)
6. Avjeet Singh, Anoj Kumar, "Text Document Classification using a hybrid approach of

- ACOGA for feature selection*", *International Journal of Advanced Intelligence Paradigms (IJAIP)*, 05/2018, Published by InderScience. (Scopus)
7. Dinesh Singh, Ranvijay and R. S. Yadav, "A state-of-art approach to misbehavior detection and revocation in VANET: survey", *Int. J. Ad Hoc and Ubiquitous Computing*, vol.28, Issue 2, pp.77 - 93, 06/2018, Published by Inderscience. (SCI, IF = 0.56)
 8. Rinki Arya, R. K. Agrawal and Navjot Singh, "A novel approach for salient object detection using double-density dual-tree complex wavelet transform in conjunction with superpixel segmentation", *Knowledge and Information Systems*, 06/2018, Published by Springer. (SCI, IF = 2.397)
 9. Mishra A K, Umrao B K, Yadav D K, "A survey on optimal utilization of preemptible VM instances in cloud computing", *The Journal of Supercomputing*, vol. 74, Issue 11, 07/2018, Published by Springer US. (SCI)
 10. Prince Rajpoot & Pragya Dwivedi, "Optimized and load balanced clustering for wireless sensor networks to increase the lifetime of WSN using MADM approaches", *Wireless Networks*, pp.1-37, 08/2018, Published by Springer. (SCI, IF = 1.981)
 11. Subhadra Bose Shaw, Anil Kumar Singh, Shailesh Tripathi, "Optimum Utilization of Resources Trough Restricted Virtual Machine and Efficient VM Placement in Cloud Data Centre", *International Journal of Distributed System and Technologies*, vol.9, Issue 4, pp.1-19, 08/2018, Published by IGI Global. (Scopus)
 12. Shruti Jadon, Rama Shankar Yadav, "Load Balancing in Multicore Systems using Heuristics Based Approach", *International Journal of Intelligent Systems and Applications (IJISA)*, vol.12, pp.56-68, 12/2018, Published by MECS Press. (Scopus)
 13. Ashutosh Kumar Singh, Shashank Srivastava, "Varna-based Optimization: A New Method for Solving Global Optimization", *International Journal of Intelligent Systems and Applications*, vol.10, Issue 12, 12/2018, Published by Modern Education and Computer Science Press. (Scopus)
 14. Tarun Kumar, Dharmender Singh Kushwaha, "An Intelligent Surveillance System based on IoT for Internal Security of a Nation", *International Journal of Information Security and Privacy (IJISP)*, vol.13, Issue 3, pp.1-30, 00/2019, Published by IGI Global. (SCI)
 15. Naveen Kumar, Ashutosh Kumar Singh, Shashank Srivastava, "Feature selection for interest flooding attack in named data networking", *International Journal of Computers and Applications*, pp.01-11, 02/2019, Published by Taylor & Francis. (Scopus)
 16. Priyanka Singh, Pragya Dwivedi & Vibhor Kant, "A hybrid method based on neural network and improved environmental adaptation method using Controlled Gaussian Mutation with real parameter for short-term load forecasting", *Energy*, vol.174, pp.460-477, 02/2019, Published by Elsevier. (SCI, IF = 5.537)
 17. Ram Chandra Bhushan & Dharmendra K Yadav, "Modelling and Formally Verifying Intel Vt-X: Hardware Assistance for Processors Running Virtualization Platforms", *International Journal of Engineering and Advanced Technology (IJEAT)*, vol.5, 03/2019. (Scopus)
- Publication in International Conferences**
1. Lekhraj, Dalee kumawat and Anoj Kumar, "An approach of intrusion detection and prevention mechanism for AODV over mobile Ad-hoc Network", *16th IRF International Conference, New Delhi, New Delhi*, pp.88-90, 05/2018, Published by Digital Explore.
 2. Anant Ram Dubey, Nidhi Shukla and Divya Kumar, "Detection and Classification of Road Signs Using HOG-SVM Method", *6th International Conference on Advanced Computing, Networking, and Informatics*, Silchar, India, 06/2018, Published by AISC, Springer.
 3. Naveen Kumar, Shashank Srivastava, "A Triggered Delay-based Approach against Cache Privacy Attack in NDN", *2018 IEEE/ACIS 17th International Conference on Computer and Information Science (ICIS)*, Singapore, pp.22-27, 06/2018, Published by IEEE.

4. Ravi Pratap Singh, Dinesh Singh, "Trust based Congestion Control Algorithm in VANET", 2nd international Conference on Advanced Informatics for computing Research (ICAICR-2018), Simla, pp.6, 07/2018, Published by Springer.
5. Trivedi, Abha, and Mayank Pandey, "Agent-based modelling and simulation of religious crowd gatherings in India", *Advanced Computational and Communication Paradigms*, pp.465-47, 07/2018, Published by Springer, Singapore.
6. Ahmed Sabeeh and Dewang, Rupesh Kumar, "Compassion, Bifurcation and Survey of Aspect Based Sentiment Analysis", *International Conference on Advanced Informatics for Computing Research (ICAICR-2018)*, Shimla, India, 07/2018, Published by Springer CCIS series, index in Scopus.
7. D. K. Singh, "Human Action Recognition in Video", *ICAICR-2018*, Shimla (India), 07/2018, Published by Springer.
8. Shabir Ali, Shashwati Banerjea, Mayank Pandey, and Neeraj Tyagi, "Wireless Fog-Mesh: A Communication and Computation Infrastructure for IoT Based Smart Environments", *International Conference on Mobile, Secure, and Programmable Networking*, pp. 322-33, 08/2018, Published by Springer, Cham.
9. Neelam Dwivedi, D. K. Singh, D. S. Kushwaha, "An Approach for Unattended Object Detection through Contour Formation using Background Subtraction Number", *NGCT-2018*, UPES University, Dehradun (India), 11/2018, Published by Springer.
10. Aquib Ansari, D. K. Singh, "An Approach for Human Machine Interaction using Dynamic Hand Gesture Recognition", *NGCT-2018*, UPES University, Dehradun (India), 11/2018, Published by Springer.
11. Sakshi Srivastava, Anil Kumar Singh, "Graph Based Analysis of Panama Papers", *Fifth International Conference on Parallel, Distributed and Grid Computing (PDGC-2018)*, Juit, Solan, pp.822-827, 12/2018, Published by IEEE.
12. Singh Rupal H., S. R. Mohanty, Nand Kishor, D. K. Singh, "Comparison of Empirical Mode Decomposition and Wavelet Transform for Power Quality Assessment in FPGA", *PEDES-2018*, IIT Madras, Chennai (India), 12/2018, Published by IEEE.
13. Naveen Kumar Gupta, Rama Shankar Yadav, Rajendra Kumar Nagaria, "Void Handling in 3D Wireless Sensor Networks", *15th IEEE India Council International Conference (IndiCon-2018)*, Coimbatore, India, 12/2018, Published by IEEE.
14. Shabir Ali, Shashwati Banerjea, Mayank Pandey, and Neeraj Tyagi, "Towards DHT-Based P2P Resource Sharing Over Hybrid Infrastructure of Wireless Mesh Network and Mobile Adhoc Networks.", *Computing and Network Sustainability*, pp. 147-15, 01/2019, Published by Springer, Singapore.
15. Krishna Vijay Singh, Sakshi Gupta, Saurabh Verma, and Mayank Pandey, "Improving performance of TCP for wireless network using SDN", *20th International Conference on Distributed Computing and Networking*, pp. 267-27, 01/2019, Published by ACM.
16. Babu Pallam and M. M. Gore, "FAST: Freelancing Avenues State of Technologies", *Proceedings of the 5th International Conference on E-Business and Applications*, Bangkok, Thailand, 02/2019.
17. Vijay Kumar Dwivedi, M M Gore, "A Fibonacci Heap Based Ensemble Model for Stock Price Prediction", *Proceeding of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-2019)*, KNIT Sultanpur, 02/2019.
18. Abdul Aleem, Akhilesh Kumar, and M M Gore, "A Study of Manuscripts Evolution to Perfection", *Proceeding of 2nd International Conference on Advanced Computing and Software Engineering (ICACSE-2019)*, KNIT Sultanpur, 02/2019,
19. A K Mishra, A Kesarwani, D K Yadav, "Short Term Price Prediction for Preemptible VM Instances in Cloud Computing", *IEEE Sponsored 5th International Conference for Convergence in Technology (I2CT)*, Pune, India, 03/2019, Published by IEEE.

20. Tavishi Jain, Bhavya Singh, and Rupesh Kumar Dewang, "Event Detection in Live Twitter Streams Using Tf-Idf and Clustering Algorithms", *International Conference on Social Networking and Computational- 2019*, RGPV BHOPAL, 03/2019, Published by Springer, Indexed in Scopus.
21. Tavishi Jain, Bhavya Singh, and Rupesh Kumar Dewang, "Event Detection and Summarisation of Live Tweets Using SCAN Algorithms", *International Conference on Social Networking and Computational- 2019*, RGPV Bhopal, 03/2019, Published by Springer, Indexed in Scopus.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Krishna Kumar Mishra	IEEE Transaction on Cybernetics Applied Soft Computing Applied Intelligence
2.	Dr. D. S. Kushawaha	International Journal of Software Engineering and Knowledge Engineering, 2006 IEEE Transaction on Systems, Man and Cybernetics, Part B Journal of Engineering & Computer Innovations, Academy Publishers, 2010 CoMSIS (Computer Science & Information System) Journal, 2010 Journal of Convergence of Information Technology, JCIT 2010 Journal of Digital Content Technology and its Applications, AISS
3.	Dr. Dinesh Singh	International Journal of Computational Vision and Robotics
4.	Dr. Dushyant Kumar Singh	International Journal of Computational Vision and Robotics
5.	Dr. Rupesh Kumar Dewang	Internet of Things for Technology Development IEEE Access Distributed and Parallel Databases Knowledge Discovery from Data
6.	Dr. Navjot Singh	The Visual Computer

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Brijendra Pratap Singh and M M Gore	Technological Developments in Industry 4.0 for Business Applications	Smart DC Microgrid: A Cyber-Physical System Perspective	IGI Global
2.	Eva Patel and Dharmender Singh Kushwaha	Advances in Intelligent Systems and Computing	Analysis of Workloads for Cloud Infrastructure Capacity Planning	Springer
3.	Shabir Ali, Shashwati Banerjea, Mayank Pandey and Neeraj Tyagi	lecture notes in computer science book series	1. Wireless fog-mesh: a communication and computation infrastructure for lot based smart environments 2. Towards DHT-based P2P resource sharing over hybrid infrastructure of wireless mesh network and mobile adhoc network	Springer

Invited Lectures Delivered

1. Lecture delivered by Dr. M. M. Gore at International Conference on Emerging Trends in Communication, Computing and Electronics, Department of Electronics and Communication, University of Allahabad, India on 13/04/2018 entitled Prescriptive Analytics with Ethical Perspective.
2. Lecture delivered by Dr. Navjot Singh at Self Financed Workshop on Data Analytics and Machine Learning using R, CSED, MNNIT Allahabad on 31/05/2018 entitled Neural Networks.
3. Lecture delivered by Dr. Rupesh Kumar Dewang at LPADIP-2018, LPADIP-2018, MNNIT Allahabad on 12/06/2018 entitled Basic of Python and Machine Learning.
4. Lecture delivered by Dr. Dushyant Kumar Singh at ETCS-2018, Dept. of CSE, MNNIT Allahabad on 15/06/2018 entitled Computer Vision & Machine Learning.
5. Lecture delivered by Dr. Rupesh Kumar Dewang at LPADIP-2018, LPADIP-2018, MNNIT Allahabad on 18/06/2018 entitled Python Programming and Machine Learning with Python.
6. Lecture delivered by Dr. Divya Kumar at One Week Short Term Course on Emerging Trends and Technology in Internet of Things (IOT) and Cloud Computing, G. B. Pant Institute of Engineering and Technology, Pauri-Garhwal on 14/09/2018 entitled Internet of Things.
7. Lecture delivered by Dr. Shashank Srivastava at National Workshop on Evolving Drifts in Computer Science, REC Ambedkar nagar on 09/17/2018 entitled Wireless Network Security Attacks & Security Protocols.
8. Lecture delivered by Dr. Dushyant Kumar Singh at FDP on Automation and Robotics, Ambalika Institute of Management & Technology, Lucknow on 24/01/2019 entitled Robotic Vision.
9. Lecture delivered by Dr. Dinesh Singh at Faculty Development Program, AIMT, Lucknow on 25/01/2019 entitled Automation & Robotics.
10. Lecture delivered by Dr. Dushyant Kumar Singh at National Workshop on Image Processing and Computer Vision Applications, REC Ambedkar Nagar on 08/03/2019 entitled Machine Vision for Surveillance.
11. Lecture delivered by Dr. Dinesh Singh at Faculty Development Program, IET, Faizabad (U.P.) on 11/03/2019 entitled Internet of Things (IoT).
12. Lecture delivered by Dr. Dushyant Kumar Singh at one week AICTE-QIP STC on Trends and Techniques in Image Processing, Multimedia and Security Issues, MITS Gwalior on 18/03/2019 entitled Computer and Machine Vision.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Workshop	A one week self-financed workshop on "Data Analytics and Machine Learning with R", (DAMLR-2018), CSED, MNNIT Allahabad	28.05.2018	01.06.2018
2.	Summer Training program	Learning python application development for industrial project (LPADIP)-2018, MNNIT Allahabad	11.06.2018	06.07.2018
3.	Workshop	Summer Training Program on Emerging Trends in Computer Science (ETCS) 2018, CSED, MNNIT Allahabad	11.06.2018	07.07.2018

Events Attended

1. Dr. Rupesh Kumar Dewang attended Workshop on One week Workshop on Soft Skills (SS-2018) at MNNIT Allahabad on/during 21/05/2018 to 25/05/2018.
2. Dr. Navjot Singh attended Faculty Development Program on Faculty Orientation Programme at MNNIT Allahabad on/during 19/07/2018 to 20/07/2018.

3. Dr. Navjot Singh attended Workshop on Motivation to research: Your performance indicator at MNNIT Allahabad on/during 16/02/2019 to 16/02/2019.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator/Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Mayank Pandey (Co-PI)	Startup Centre	DST and MHRD	Rs.1.5 crore	Ongoing
2.	Dr. Shashank Srivastava (PI)	Intelligent detection and mitigation of DDoS attack in SDN	DST	Rs.25 Lakh	Ongoing
3.	Dr. Navjot Singh (Co-PI)	IoT based real time and effective traffic signal scheduling for smart city	DST	Rs.1370600	Ongoing
4.	Dr. Anil Kumar Singh (Co-PI)	Information Security Education and Awareness [ISEA] Project (Phase II)	DeitY, MHRD	Rs.43.45	Ongoing
5.	Dr. Navjot Singh (Co-PI)	Secret Sharing Scheme based technology for multimedia security over cloud	DST	Rs.1514000	Ongoing

10.7 DEPARTMENT OF ELECTRICAL ENGINEERING

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.

Mission

(a) Development of relevant content for quality teaching (b) Development of state of art lab facilities for research and consultancy (c) Development of infrastructure and procurement of cutting edge tools/equipment (d) Improving symbiotic relationship with Industry for collaborative research and resource generation

List of Laboratories:

1. Power Electronics Laboratory.
2. Simulation Laboratory.
3. Measurement and Instrumentation Laboratory.
4. Virtual Instrumentation Laboratory.
5. CRU Laboratory.

6. Control Laboratory.
7. Electrical Machines and Power Systems Laboratory.
8. High Voltage Laboratory.

Courses run by Department:

1. B.Tech. in Electrical Engineering.
2. M.Tech. in Electrical Engg. with specialization in Control & Instrumentation.
3. M.Tech. in Electrical Engg. with specialization in Power System.
4. M.Tech. in Electrical Engg. with specialization in Power Electronics and Drives.

Courses in which students were admitted during 04/2018 - 03/2019 :

1. B.Tech in Electrical Engineering.
2. M.Tech. in Electrical Engineering with specialization in Control & Instrumentation.
3. M.Tech. in Electrical Engineering with specialization in Power System.
4. M.Tech. in Electrical Engineering with specialization in Power Electronics and Drives.

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Alok Kumar Singh	2013REE04	Solar PV System using Cascaded	Dr. Rajesh Gupta

Publication in International Journals

1. C. S. Nalamati, P. Samuel and Rajesh Gupta, "Distributed Wind Energy Conversion System Interface to the Grid Using Cascaded Multi-Level Converter", *IETE Journal of Research*, vol.64, Issue 2, pp.231-240, 04/2018, Published by Taylor & Francis. (SCI)
2. G. Indira kishore and Ramesh Kumar Tripathi, "Single-Phase PFC Converter Using Switched Capacitor for High Voltage DC Applications", *IEEE Transactions on Industry Applications*, vol.54, Issue 3, 04/2018. (SCI)
3. Rudar Kumar Gautam, Nitin Singh, Niraj Kumar Choudhary and Anirudha Narain, "Model order reduction using factor division algorithm and fuzzy c-means clustering technique", *Transactions of the Institute of Measurement and Control*, pp.1-8, 04/2018, Published by SAGE. (SCI, IF = 1.049)
4. C N Singh, D Kumar, P Samuel, "Improved pole clustering-based LTI system reduction using a factor division algorithm", *International Journal of Modelling and Simulation*, pp.1-13, 04/2018, Published by Taylor and Francis. (Scopus)
5. D. Guha, P. K. Roy, and S. Banerjee, "Symbiotic Organism Search Algorithm Applied to Load Frequency Control of Multi-area Power System, Energy System", *Energy System*, vol.9, Issue 2, pp.439-468, 05/2018, Published by Springer. (Scopus)
6. A K Gupta, D Kumar, P Samuel, "A meta-heuristic cuckoo search and eigen permutation approach for model order reduction", *Sādhanā*, vol.43, Issue 65, pp.1-11, 05/2018, Published by Springer. (SCI, IF = 0.465)
7. Jeetendra Prasad and Ramesh Kumar Tripathi, "Energy Harvesting from Sediment Microbial Fuel Cell Using Different Electrodes", *International Journal of ChemTech Research*, vol.11, pp.219-225, 06/2018, (Scopus)
8. Rishabh Dev shukla and Ramesh Kumar Tripathi, "Instantaneous direct voltage and frequency control in DC grid tied DFIG based wind energy system", *International Journal of Electric Power and energy system*, pp.309-319, 06/2018. (SCI)
9. N K Paliwal, A K Singh, N. K. Singh and P. Kumar, "Optimal Sizing and Operation of Battery Storage for Economic Operation of Hybrid Power System using Artificial Bee Colony Algorithm", *International Transactions on Electrical Energy Storage*, pp.1-23, 07/2018, Published by Wiley publication. (SCI, IF = 1.314)
10. N K Paliwal, Asheesh K Singh, N K Singh, P Kumar, "Optimal sizing and operation of battery storage for economic operation of hybrid power system using artificial bee colony algorithm", *International Transactions on Electrical Energy Systems*, pp.2050-7038, 08/2018, Published by Wiley Online Library. (SCI, IF = 1.619)
11. P Vipin Das, P Karuppanan, Asheesh Kumar Singh, B ChittiBabu, "Modelling, simulation and analysis of high step up DC-DC converter using coupled inductor and voltage multiplier cell using PSCAD", *International Journal of Modelling and Simulation*, pp.1-8, 09/2018, Published by Taylor and Francis. (Scopus)
12. N. K. Paliwal, A. K. Singh and N. K. Singh, "Short-term Optimal Energy Management in Stand-alone Microgrid with Battery Energy Storage", *Archives of Electrical Engineering. The journal of Polish Academy of Sciences*, vol.67, Issue 3, pp.499-513, 09/2018, Published by The journal of Polish Academy of Sciences. (Scopus, IF = 4.787)
13. D Guha, P K Roy and S Banerjee, "Maiden application of SSA-optimised CC-TID controller for load frequency control of power systems", *IET Generation, Transmission and Distribution*, vol.13, Issue 7, pp.1110-1120, 10/2018, Published by IET. (SCI, IF = 3.229)
14. Dipesh Lamsal, Thomas Conradie, Victor Sreeram, Yateendra Mishra, Deepak Kumar, "Fuzzy-based smoothing of fluctuations in output power from wind and photovoltaics in a hybrid power system with batteries", *International Transactions on Electrical Energy Systems*, vol.29, Issue 3, pp.1-14, 10/2018, Published by Willey. (SCI, IF = 1.314)

15. Alok Agrawal and Rajesh Gupta, "Power management and operational planning of multiport HPCS for residential application", *IET Generation, Transmission and Distribution*, vol.12, Issue 18, pp.4194-4205, 10/2018, Published by IET. (SCI)
 16. D. Guha, P. K. Roy, and S. Banerjee, "Optimal tuning of 3 degree-of-freedom proportional-integral-derivative controller for hybrid distributed power system using dragonfly algorithm", *Computers & Electrical Engineering*, vol.72, pp.137-153, 11/2018, Published by Elsevier. (SCI, IF = 2.189)
 17. Bheem Sonker, Deepak Kumar, Paulson Samuel, "Design of two degree of freedom-internal model control configuration for load frequency control using model approximation", *International Journal of Modelling and Simulation*, vol.39, Issue 1, pp.27-37, 01/2019, Published by Taylor & Francis.
 18. Dipesh Lamsal, Victor Sreeram, Yateendra Mishra, Deepak Kumar, "Smoothing control strategy of wind and photovoltaic output power fluctuation by considering the state of health of battery energy storage system", *IET Renewable Power Generation*, vol.13, Issue 4, pp.578-586, 01/2019, Published by IET. (SCI, IF = 3.605)
 19. D. Guha, P. K. Roy, and S. Banerjee, "Whale optimization algorithm applied to load frequency control of a mixed power system considering nonlinearities and PLL dynamics", *Energy System*, 02/2019, Published by Springer. (Scopus)
 20. Akhilesh Kumar Gupta, Deepak Kumar, Paulson Samuel, "A mixed-method for order reduction of linear time invariant systems using big bang-big crunch and eigen spectrum algorithm", *International Journal of Automation and Control*, vol.13, Issue 2, pp.158-175, 03/2019, Published By Inderscience. (SCI)
 21. Alok Agrawal and Rajesh Gupta, "Stochastic monte-carlo based voltage variation analysis for low voltage hybrid DC/AC radial distribution feeders interfaced with DERs", *IET Generation, Transmission and Distribution*, vol.13, Issue 6, pp.868-880, 03/2019, Published by IET. (SCI)
 22. Alok Agrawal and Rajesh Gupta, "Distributed co-ordination control of hybrid energy resources for power sharing in coupled hybrid DC/AC microgrids using the paralleled IFCs/ILCs", *IET Smart Grid*, vol.2, Issue 1, pp.89-105, 03/2019, Published by IET.
- Publication in International Conferences**
1. Sanjay S. Negi, Nand Kishor, Richa Negi, Kjetil Uhlen, "Event signal characterization for disturbance interpretation in power grid", *First International Colloquium on Smart Grid Metrology*, Split, Croatia, 04/2018.
 2. Lalit Kumar, Nand Kishor, "Spectral identification of forced oscillation in PMU signal using mode decomposition", *First International Colloquium on Smart Grid Metrology*, Split, Croatia, 04/2018, Published by First International Colloquium on Smart Grid Metrology.
 3. Dhruv Upadhyay, Ritula Thakur, Navneet Kumar Singh, "Methods of Short-Term Load Forecasting: A Systematic Review", *1st IEEE International Conference on Power Energy, Environment & Intelligent Control (PEEIC) [In Press]*, Greater Noida, India, 04/2018.
 4. Dhruv Upadhaya, Ritula Thakur, Navneet Kumar Singh, "Genetic Algorithm Optimized Artificial Neural Network for Short Term Load Forecasting: An Indian Scenario", *International Conference on Manufacturing, Advance Computing, Renewable Energy and Communication (MARC-2018)*, New Delhi, 07/2018, Published by Lecture Notes in Electrical Engineering, Springer, Scopus Indexed book Series.
 5. Dhruv Upadhaya, Ritula Thakur, Navneet Kumar Singh, "PSO Optimized ANN for Short Term Load Forecasting: An Indian Scenario", *International Conference on Manufacturing, Advance Computing, Renewable Energy and Communication (MARC-2018)*, New Delhi, 07/2018, Published by Lecture Notes in Electrical Engineering, Springer, Scopus Indexed book Series.
 6. D. Guha, S. K. Singh, S. K. Sharma, R. K. Ranjan, S. Priya, and A. Ghosh, "Stabilization of a reduced order inverted pendulum by using whale optimization algorithm", *4th International*

- Conference on Computing, Communication, Control And Automation*, Pimpri Chinchwad College of Engineering, Pune, 08/2018, Published by IEEE.
7. Sharma, Rajesh Gupta and M. Gupta, "Xilinx System Generator-Based FPGA Control of Power Flow for DC/DC Converter", *International Conference on NextGen Electronic Technologies: Silicon to Software (ICNET2 2017)*, VIT, Chennai, India, pp.25-35, 08/2018, Published by Springer.
 8. K. Anand, N. K. Singh, A. K. Singh, D. K. Singh and K. Ask, "Standalone Hybrid Power Generation using Photovoltaics, Battery and Bio-gas", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018)*, Gorakhpur, India, pp.1-6, 11/2018, Published by IEEE.
 9. Dinesh K Singh, Asheesh K Singh, S R Mohanty, N K Singh, "Novel Combined Coordination of Distance and Overcurrent Relay for a Radial Distribution System", *IEEE UP section International Conference on Electrical, Electronics and Computer Engineering 20187*, , 11/2018, Published by IEEE.
 10. Maloth Naresh and Ramesh Kumar Tripathi, "FPGA Based Power Flow Control of Grid Side Converter of DFIG Wind Energy System", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Computer and Electronics (UPCON-2018)*, 2-4 Nov 2018, MMM UT, Gorakhpur (UP)-India & University of the Ryukyus, Okinawa, Japan, 11/2018,
 11. D. K. Singh, A. K. Singh, S. R. Mohanty and N. K. Singh, "Novel Combined Coordination of Distance and Overcurrent Relay for a Radial Distribution System", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018)*, Gorakhpur, India, pp.1-6, 11/2018, Published by IEEE.
 12. N K Singh, A. K Singh, D. K Singh, K. Anand, K. Ask, "Design and Simulation of Smart Prepaid-Postpaid Energy Meter with Alarm and Theft Control", *IEEE UP section International Conference on Electrical, Electronics and Computer Engineering 20187 (UPCON 2018)*, Madan Mohan Malaviya University of Technology, Gorakhpur(U.P) INDIA, 11/2018, Published by IEEE.
 13. A Srivastava, N K Choudhary, N Singh, "A Comparative Analysis for Optimal Placement of DG and Capacitor for Loss Minimization in Benchmark Network", *2018 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)*, MMMUT, Gorakhpur, pp.1-6, 11/2018, Published by IEEE.
 14. P. Chinna D. Goud, C. S. Nalamati and Rajesh Gupta, "Grid Connected Renewable Energy Based EV Charger with Bidirectional AC/DC Converter", *2018 5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)*, Gorakhpur, India, 11/2018, Published by IEEE.
 15. K. Ask, N. K. Singh, A. K. Singh, D. K. Singh and K. Anand, "Design and Simulation of Smart Prepaid-Postpaid Energy Meter with Alarm and Theft Control," *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON-2018)*, Gorakhpur, India, pp.1-6, 11/2018, Published by IEEE.
 16. KundanAnand, N K Singh, Asheesh K Singh, Dinesh K Singh, "Standalone Hybrid Power Generation Using Photovoltaic, Battery and Bio-gas", *IEEE UP section International Conference on Electrical, Electronics and Computer Engineering 20187*, Madan Mohan Malaviya University of Technology, Gorakhpur(U.P) India, 11/2018, Published by IEEE.
 17. P. Chinna D. Goud, Anurag Sharma and Rajesh Gupta, "Solar PV Fed Fast Charging Converter with Isolated Unidirectional Dual-Bridge Topology", *8th IEEE India International Conference on Power Electronics (IEEE IICPE 2018)*, Jaipur, India, 12/2018, Published by IEEE.
 18. Alok Agrawal and Rajesh Gupta, "Multi-functional bi-directional DC – DC / AC converter topology for single phase microgrid applications", *8th IEEE India International Conference on Power Electronics (IEEE IICPE 2018)*, Jaipur, India, 12/2018, Published by IEEE.

19. D. Guha, P. K. Roy, and S. Banerjee, "A maiden application of modified grey wolf algorithm optimized cascade tilt-integral-derivative controller in load frequency control", 20th National Power System Conference (NPSC 2018), NIT Trichy, 12/2018, Published by IEEE.
20. S. Nalamati, Alok Agrawal and Rajesh Gupta, "Integration of Multiple Energy Storage Sections in Solar PV based HMGs using Multi-Input DAB", IEEE Power Electronics, Drives and Energy Systems Conference (IEEE PEDES 2018), IIT Madras, Chennai, India, 12/2018, Published by IEEE.
21. Deepak Kumar, Umair Zulfiqar, Victor Sreeram, "Frequency-weighted balanced Truncation of 2D separable denominator discrete-time systems", 2018 Australian & New Zealand Control Conference (ANZCC), Gold Coast, pp.377-379, 12/2018, Published by IEEE.
22. Sanjeev Kumar, Alok Agrawal and Rajesh Gupta, "Power Balance for WTG - Solar PV Fed DC Microgrids with Battery and Supercapacitor Support", IEEE Power Electronics, Drives and Energy Systems Conference (IEEE PEDES 2018), IIT Madras, Chennai, India, 12/2018, Published by IEEE.
23. Ujjwal Mishra, C. S. Nalamati and Rajesh Gupta, "Standalone Solar PV System Using DCMLI-DAB Converter with Battery Storage", 8th IEEE India International Conference on Power Electronics (IEEE IICPE 2018), Jaipur, India, 12/2018, Published by IEEE.
24. Sharma, M. Gupta, Rajesh Gupta, "Voltage Sensitivity Analysis of DC-DC Converter at MPPT for different Types of Load", 2nd International Conference on Innovations in Power and Advanced Computing Technologies (i-PACT 2019), VIT Vellore, India, 03/2019, Published by IEEE.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Nand Kishor	IEEE Sensors Journal IEEE Transactions on Industrial Electronics Applied Soft Computing, Elsevier Science IEEE Transactions on Sustainable Energy Journal of Solar Energy, Elsevier Science IEEE Transactions of Automatic Control IET Renewable Power Generation IEEE Transactions on Smart Grid International Journal of Hydrogen Energy, Elsevier Science IEEE Transactions on Industrial Applications IEEE Transactions on Power System IEEE Transactions on Energy Conversion International Journal of Electrical Power and Energy Systems, Elsevier Science
2.	Dr. Asheesh Kumar Singh	IEEE Transaction on Power Delivery ETRI Journal International Journal of Electrical Power & Energy Systems ISA Transactions Journal of Engineering
3.	Dr. Rajesh Gupta	IEEE Industrial Electronics Society Conferences IET Power Electronics, GTD, UK IEEE Transaction on Industrial Electronics, Power Electronics, Power Delivery, Energy Conversion, etc.
4.	Mr. Niraj Kumar Choudhary	Indian Journal of Science & Technology
5.	Mr. M. Venkatesh Naik	Renewable and Sustainable Energy Reviews
6.	Dr. Deepak Kumar	Journal of Engineering Science and Technology

7.	Dr. Dipayan Guha	International Journal of Robust and Nonlinear Control Asian Journal of Control Asian Journal of Control Computers and Electrical Engineering Asian Journal of Control Indian Control Conference International Journal of Robust and Nonlinear Control Journal of the Franklin Institute Asian Journal of Control Simulation: International Transactions of the Society for Modeling and Simulation Energy Systems IEEE Transactions on Cybernetics Computers and Electrical Engineering Iranian Journal of Science and Technology, Transactions of Electrical Engineering ISA Transaction Swarm and Evolutionary Computation
----	------------------	---

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Nitin Singh, Niraj K Choudhary, Rudar K	Smart Innovations in Communication and Computational Sciences.	Model Order Reduction Using Fuzzy C-Means Clustering and Particle Swarm Optimization.	Springer, Singapore
2.	D. Guha, P.K. Roy, and S. Banerjee	Handbook of Research on Smart Power System Operation and Control.		IGI Global

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Internship Program	Summer Internship Program in Electrical Engineering (SIPEE) - 2018, MNNIT Allahabad	11.06.2018	06.07.2018
2.	Workshop	Curriculum Revision Workshop (CRW-2018), EED, MNNIT Allahabad	31.08.2018	01.09.2018
3.	Short Term Course	2 nd Short Term Course on Advances in Power Technology (APT-2018), EED, MNNIT Allahabad	10.09.2018	14.09.2018

Events Attended

- Dr. Rajesh Gupta attended International conference on IEEE INDICON 2008 at IIT Kanpur on/during 10.12.2018 to 12.12.2018.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator/ Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Asheesh Kumar Singh (PI)	Implementation of fast charging/discharging PHEVs integrated with modern UPS for peak demand reduction in	CSIR (Sanction No. 22(0703)/15/EMR-II dated 23/11/2015)	Rs.29.253 Lakh	Ongoing

2.	Dr. Asheesh Kumar Singh (Co-PI)	distributed system Design and Development of an FPGA Controller for PEM Fuel Cell Power Systems	DAE, BRNS (Sanction No. 34/14/53/2014- BRNS dated 12/12/2014)	Rs.18.892 Lakh	Completed on 05/2018
3.	Dr. Rajesh Gupta (PI)	Hybrid DC Micro Grid System for Future Residential-Rural Electrification	MNRE, New Delhi	Rs.26.985 Lakh	Completed on 11/2018
4.	Dr. Rajesh Gupta (PI)	Power Electronics Converter Based Bidirectional Power Flow Controller for Energy Storage Applications	CSIR, New Delhi	Rs.20.46 Lakh	Completed on 03/2019

10.8 DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

Vision

To become globally leading institution of higher learning, building upon the culture and 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.

Mission

To provide quality education 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 technical manpower. To impart technical education which may provide innovative skills in their respective area of specialization for society in general with universal moral values and 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.

List of Laboratories:

1. Computer Architecture Lab
2. Advanced Electronics Lab
3. VLSI Lab
4. Communication Lab
5. DCN Lab
6. Microwave and Project Lab
7. Param Lab
8. Signal Processing Lab
9. Basic Electronics Lab

Courses run by Department:

1. B.Tech in ECE
2. M.Tech in ECE with specialisation in Microelectronics and VLSI
3. M.Tech in ECE with specialisation in Communication Systems
4. M.Tech in ECE with specialisation in Digital Systems
5. Ph.D.

Courses in which students were admitted during 04/2018 - 03/2019 :

1. B.Tech in ECE
2. M.Tech in ECE with specialisation in Microelectronics and VLSI
3. M.Tech in ECE with specialisation in Communication Systems
4. M.Tech in ECE with specialisation in Digital Systems
5. Ph.D.

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Sandeep Shukla	2013REL07	Performance evaluation of timing and carrier frequency offset estimation techniques for OFDM systems	Dr. Vijay Shanker Tripathi
2.	Nand Kishore	2013REL53	Defected Ground Structure based Patch Antenna Design for Intelligent	Dr. Vijay Shanker Tripathi & Dr. Arun

3.	Gaurav Upadhyay	2014REL02	Transportation Systems Multiband, Reconfigurable and Millimeter-Wave Antenna for Intelligent Transportation Systems	Prakash Dr. Vijay Shanker Tripathi
4.	Rajan Mishra	2012REL04	Printed Monopole Antennas and Antenna Array for Ultra Wideband Applications	Dr. Vijay Shanker Tripathi
5.	Prashant Ranjan	2014REL51	UWB Filtering Antenna with Controllable Notch Band for Wireless Communication Systems	Dr. Vijay Shanker Tripathi
6.	Digvijay Singh Chauhan	Ph.D./ECE/2 013/1140	Development of Medical Image Watermarking and Extraction Schemes for Secure Telemedicine	Dr. Basant Kumar
7.	Sachin Gaur	2014REL10	Performance Improvement of Transform Domain Digital Image Watermarking Schemes	Dr. V. K. Srivastava
8.	Rajeev Gupta	2015REL53	Automated Measurement and Detection of Diagnostic Parameters for Retinal Images	Dr. Basant Kumar
9.	Divya Sharma	2014REL53	Performance evaluation of advanced modulation techniques for lower and higher optical transmission rates	Dr. Yogendra Kumar Prajapati
10.	Sajal Agarwal	2014REL52	Design, fabrication, and characterization of optical devices: absorber and sensor	Dr. Yogendra Kumar Prajapati
11.	Ritesh Kumar Jaiswal	2014REL06	Studies on design of efficient building blocks for rns based computational circuits	Dr. Ram Awadh Mishra

Publication in International Journals

1. Sajal Agarwal, Y. K. Prajapati, "Design of a Broadband Electromagnetic Absorber using 2-D Materials", *Optics Communication*, vol.413, pp.39-43, 04/2018, Published by Elsevier. (SCI, IF = 1.887)
2. Sutirtho Boral and Shweta Tripathi, "Modeling and Analysis of Sputtering Process Parameter Dependence on Optical and Structural Properties of ZnO Thin Film", *Material Focus*, 04/2018.
3. Pant Varun Prakash, Saumya Tripathi, Raghavendra Pal, and Arun Prakash, "A Slotted Multichannel MAC Protocol for Fair Resource Allocation in VANET", *International Journal of Mobile Computing and Multimedia Communications*, vol.9, Issue 3, pp.45-59, 04/2018, Published by IGI Global. (SCI, IF=0.15)
4. Rajeev Gupta, Vishal Gupta, Basant Kumar, Pramod Kumar Singh, Amit Kumar Singh, "A Novel Method for Automatic Retinal Detachment Detection and Estimation using Ocular Ultrasound Image", *Multimedia Tools and Applications*, 05/2018, Published by Springer. (SCI, IF = 1.53)
5. Raghavendra Pal, Arun Prakash, and Rajeev Tripathi, "Triggered CCHI Multichannel MAC protocol for Vehicular Ad Hoc Networks", *Vehicular Communications*, Elsevier, vol.12, Issue 1, pp.14-22, 05/2018, Published by Elsevier. (SCI, IF = 3.269)
6. Ritesh Kumar Jaiswal, Raj Kumar and Ram Awadh Mishra, "Area Efficient Memoryless Reverse Converter for New Four Moduli Set $2^{n-1}, 2^n - 1, 2^n + 1, 2^{(2n+1)} - 1$ ", *Journal of Circuits, Systems, and Computers*, vol.27, Issue 5, pp.75-(1-13), 05/2018, Published by World Scientific Publishing Company. (SCI, IF=0.481)

7. Divya Sharma, Y. K. Prajapati, "Analytical study of DWDM optical long haul network with symmetrical dispersion compensation", *Indian Journal of Science and Technology*, vol.11, Issue 17, pp.1-12, 05/2018, Published by Springer. (Scopus)
8. Sarika Pal, Alka Verma, Y. K. Prajapati, J. P. Saini, "Detection of DNA Hybridization using Black Phosphorus-Graphene Coated Surface Plasmon Resonance Sensor", *Applied Physics A*, vol.124, pp.394, 05/2018, Published by Springer. (SCI, IF = 1.694)
9. Rajeev Gupta, Vishaal Gupta, Basant Kumar, Pramod Kumar Singh, Amit Kumar Singh, "A Novel Method for Automatic Retinal Detachment Detection and Estimation using Ocular Ultrasound Image", *Multimedia Tools and Applications*, 05/2018, Published by Springer. (SCI, IF = 2.10)
10. J. B. Maurya, S. Raikawar, Y. K. Prajapati*, J.P. Saini, "A Silicon-Black Phosphorous based Surface Plasmon Resonance Sensor for the detection of NO₂ Gas", *Optik*, vol.160, pp.428-433, 05/2018, Published by Elsevier. (SCI, IF = 1.914)
11. Brijesh Kumar Singh, and Shweta Tripathi, "Performance analysis of Schottky diodes based on Bi doped p-ZnO thin films", *Superlattices and Microstructure*, 05/2018. (SCI)
12. V. Kumar, Vinay Kumar, D. N. Sandeep, S. Yadav, R. K. Barik, R.Tripathi, S. Tiwari, "Multi-hop Communication based Optimal Clustering in Hexagon and Voronoi Cell Structured WSNs", *AEU*, vol.93, Issue 1, pp.1-11, 05/2018, Published by Elsevier. (SCI, IF = 2.115)
13. Divya Sharma, Y. K. Prajapati,, "Analytical study of DWDM optical long-haul network with symmetrical dispersion compensation", *Indian Journal of Science and Technology*, vol.11, Issue 17, pp.1-12, 06/2018, (Scopus)
14. S. Shukla, V. S. Tripathi, "Timing and Carrier Frequency Offset Estimation Using Selective Extended Cyclic Prefix for Correlation Sequence for OFDM Systems", *Wireless Personal Communications*, vol.101, Issue 2, pp.963-977, 07/2018, Published by Springer. (SCI, IF = 1.2)
15. Prashant Kumar, Prabhat Chandra Shrivastava, Manish Tiwari, Amit Dhawan, "ASIC Implementation of Area Efficient, High Throughput 2-D IIR filter using Distributive Arithmetic", *Circuits, Systems, and Signal Processing*, vol.37, Issue 7, pp.2934-2957, 07/2018, Published by Springer. (SCI, IF = 1.92)
16. Narendar Vadthiya, Shweta Tripathi and R. Bhavani Shankar Naik, "A Two-Dimensional (2D) Analytical Modeling and Improved Short Channel Performance of Graded-Channel Gate-Stack (GCGS) Dual-Material Double-Gate (DMDG) Mosfet", *Silicon*, 07/2018. (SCI)
17. Y. K. Prajapati*, Sarika Pal, J. P. Saini, "Effect of Metamaterial and Silicon layers on Surface Plasmon Resonance Biosensor", *Journal of Silicon*, vol.10, Issue 4, pp.1451-1460, 07/2018, Published by Springer. (SCI, IF = 1.246)
18. Vinay Kumar, Rutuja Bhusari, Sanjay B. Dhok, Arun Prakash, Rajeev Tripathi, and Sudarshan Tiwari, "Design of Magnetic Induction based Energy Efficient WSNs for Non-Conventional Media using Multilayer Transmitter Enabled Novel Energy Model", *IEEE Systems Journal*, vol.1, Issue 99, pp.1-12, 07/2018, Published by IEEE. (IF = 4.337)
19. P. Kumar, P. C. Shrivastava, M. Tiwari, A. Dhawan, "ASIC Implementation of Area Efficient, High Throughput 2-D IIR Filter Using Distributed Arithmetic", *Systems and Signal Processing*, vol.37, Issue 7, pp.2934-2957, 07/2018, Published by Springer. (SCI, IF = 1.922)
20. Divya Sharma, Y. K. Prajapati, Rajeev Tripathi, "Spectrally Efficient Nyquist-WDM Superchannel with MLR Approach using PM-QPSK and PM-16QAM", *Optical Engineering*, vol.57, Issue 7, pp.076102, 07/2018, Published by SPIE. Digital Library. (SCI, IF = 1.209)
21. J. B. Maurya and Y. K. Prajapati, "Influence of Adhesion layer on Performance of Surface Plasmon Resonance Sensor", *IET Optoelectronics*, vol.12, Issue 4, pp.168-175, 08/2018, Published by IEEE. (SCI, IF = 1.667)
22. Upadhyay, Gaurav; Kishore, Nand; Raj, Saurabh; Tripathi, Shivesh; Tripathi, Vijay Shanker, "Dual-feed CSRR-loaded switchable multiband microstrip patch antenna for ITS

- applications*", *IET Microwaves, Antennas and Propagation*, vol.4, Issue 4, pp.1-5, 08/2018, Published by IEEE. (SCI, IF = 1.739)
23. J. B. Maurya, Y. K. Prajapati, Rajeev Tripathi, "Effect of Molybdenum Disulfide Layer on Surface Plasmon Resonance Biosensor for the Detection of Bacteria", *Silicon*, vol.10, Issue 2, pp.245–256, 08/2018, Published by Springer. (SCI, IF = 0.829)
 24. Abhinav Gupta, Anamika Singh, Santosh K. Gupta, Sanjeev Rai, "Potential Modeling of Oxide Engineered Doping-Less Dual-Material-Double-Gate Si-Ge MOSFET and Its Application", *Journal of Nanoelectronics and Optoelectronics*, vol.13, Issue 8, pp.1115–112, 08/2018, Published by American Scientific Publisher. (SCI, IF = 1.069)
 25. Vivek Rajpoot, Vijay Shanker Tripathi, "A novel sensing and primary user protection algorithm for cognitive radio network using IoT", *Physical Communication*, vol.29, Issue 2, pp.268-275, 08/2018, Published by Elsevier. (SCI, IF = 1.522)
 26. Raghavendra Pal, Arun Prakash, Rajeev Tripathi, and Dhananjay Singh, "Analytical model for analysis of clustered Vehicular Ad hoc Network", *ICT Express, Elsevier*, vol.4, Issue 3, pp.160-164, 09/2018, Published by Elsevier. (SCI)
 27. Anjali Priya, Nilesh Anand Srivastava, and Ram Awadh Mishra, "Perspective of buried oxide thickness variation on triple metal-gate (TMG) recessed-S/D FD-SOI MOSFET", *Advances in Electrical and Electronic Engineering*, vol.16, Issue 3, pp.380-387, 09/2018, Published by AEEE. (Scopus)
 28. N. Agarwal and H. Kar, "Bounded Real Lemma for 2-D discrete systems using asymmetric Lyapunov matrix: What shall it be", *Circuits, Systems, and Signal Processing*, vol.37, pp.4082-4089, 09/2018, Published by Springer. (SCI, IF = 1.922)
 29. N. Agarwal and H. Kar, "Comments on 'An LMI approach to non-fragile robust optimal guaranteed cost control of uncertain 2-D discrete systems with both state and input delays'", *Transactions of the Institute of Measurement and Control*, vol.40, pp.3846-3850, 09/2018, Published by SAGE Publications. (SCI, IF= 1.956)
 30. Pooja Lohia, Y. K. Prajapati*, J. P. Saini and B. S. Rai, "Effect of Chirality on Dispersion Characteristics of Uniaxial Anisotropic Chiral Elliptical Waveguide", *Optical Communications*, vol.37, Issue 4, 10/2018, Published by DE Gruyter. (Scopus)
 31. Nand Kishore, Gaurav Upadhyay, Vijay Shanker Tripathi, and Arun Prakash, "Dual Band Rectangular Patch Antenna Array with Defected Ground Structure for ITS Application", *AEU - International Journal of Electronics and Communications*, vol.72, pp.210-215, 10/2018, Published by Elsevier. (SCI, IF = 2.853)
 32. Divya Sharma, Y. K. Prajapati, "Performance analysis of DWDM system for different modulation schemes using variations in channel spacing", *Optical Communications*, vol.37, Issue 4, 10/2018, Published by DE Gruyter. (Scopus)
 33. N. Agarwal and H. Kar, "Overflow oscillation-free realization of digital filters with saturation", *COMPEL-The International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, vol.37, Issue 6, pp.2050-2066, 11/2018, Published by Emerald Publishing Limited. (SCI, IF = 0.705)
 34. Varun Mishra, Yogesh Kumar Verma, Prateek Kishor Verma, Santosh Kumar Gupta, "EMA Based Modeling of Surface Potential and Drain Current of Dual Material Gate All Around TFETs", *Journal of Computational Electronics*, vol.17, Issue 4, pp.1596–1600, 12/2018, Published by Springer. (SCI, IF = 1.637)
 35. Divya Sharma, Y. K. Prajapati*, R. Tripathi, "An Inclusive Journey of Coherent PDM-QPSK Technology: A Survey", *IETE Technical Review*, 12/2018, (SCI, IF = 1.339)
 36. Tarique Rashid, Sunil Kumar, Akshay Verma, Prateek Raj Gautam, Arvind Kumar, "Pm-EEMRP: Postural Movement based Energy Efficient Multi-hop Routing Protocol for Intra Wireless Body Sensor Network (Intra-WBSN)", *TELKOMNIKA Telecommunication, Computing, Electronics and Control*, vol.16, Issue 1, pp.166-173, 12/2018, Published By Universitas Ahmad Dahlan (UAD) in collaboration with Institute of

- Advanced Engineering and Science (IAES). (Scopus)
37. M. K. Kumar and H. Kar, "ISS criterion for the realization of fixed-point state-space digital filters with saturation arithmetic and external interference", *Circuits, Systems, and Signal Processing*, vol.37, pp.5664–567, 12/2018, Published by Springer. (SCI, IF = 1.922)
 38. Asad Rashid, Yogesh Tripathi, Arun Prakash, and Rajeev Tripathi, "Load aware energy balanced data gathering approach in cognitive radio sensor networks", *IET Wireless Sensor Systems*, vol.9, Issue 3, pp.143-150, 01/2019, Published by IET. (Scopus)
 39. P. Rani, P. Kokil and H. Kar, "New criterion for L_2 - L_∞ stability of interfered fixed-point state-space digital filters with quantization/overflow nonlinearities", *Circuits, Systems, and Signal Processing*, vol.38, pp.407-424, 01/2019, Published by Springer. (SCI, IF= 1.922)
 40. Pritam Keshari Sahoo, Y. K. Prajapati*, Rajeev Tripathi, "Performance analysis of pulse position modulation-based hybrid technique for cellular backhaul free-space optical link", *Optical Engineering*, vol.58, Issue 1, 01/2019, (SCI, IF = 0.993)
 41. Anjali Priya, Nilesh Anand Srivastava, and Ram Awadh Mishra, "Design of High Speed and Low-Power Ring Oscillator Circuit in Recessed Source/Drain SOI Technology", *ECS Journal of Solid State Science and Technology*, vol.8, Issue 3, pp.N47-N54, 01/2019, Published by The Electrochemical Society. (SCI, IF = 1.795)
 42. Pritam Keshari Sahoo, Y. K. Prajapati, Rajeev Tripathi, "Performance analysis of pulse position modulation-based hybrid technique for cellular backhaul free-space optical link", *Optical Engineering*, vol.58, Issue 1, pp.016119, 01/2019, Published by SPIE. Digital Library. (SCI, IF = 1.209)
 43. Divya Sharma, Vinit Jaiswal, Y. K. Prajapati and Rajeev Tripathi,, "Performance Optimization of Carving Signal RZ-DQPSK Modulation Scheme", *Recent Trends in Communication, Computing and Electronics*, vol.10, pp.27-33, 01/2019, (Scopus)
 44. M. K. Kumar, P. Kokil and H. Kar, "Novel ISS criteria for digital filters using generalized overflow non-linearities and external interference", *Transactions of the Institute of Measurement and Control*, vol.41, pp.156-164, 01/2019, Published by Sage Publications. (SCI, IF = 1.956)
 45. Varun Mishra, Yogesh Kumar Verma, Santosh Kumar Gupta, "Investigation of Localized Charges and Temperature Effect on Device Performance of Ferroelectric Dual Material Gate All Around TFETs", *Journal of Nanoelectronics and Optoelectronics*, vol.14, Issue 2, pp.161-168, 02/2019, Published by American Scientific Publishers. (SCI, IF = 1.069)
 46. Sarika Pal, Alka Verma, J. P. Saini, Y. K. Prajapati, "Sensitivity Enhancement using heterostructure of Silicon-Black Phosphorus-TDMC layer Coated Surface Plasmon Resonance Biosensor", *IET Optoelectronic*, 02/2019. (SCI)
 47. Santosh Kumar Gupta, Akash Singh Rawat, Yogesh Kumar Verma, Varun Mishra, "Linearity Distortion Analysis of Junctionless Quadruple Gate Mosfets for Analog Applications", *Silicon*, vol.11, Issue 1, pp.257–265, 02/2019, Published by Springer. (SCI, IF = 0.829)
 48. Akash Srivastava, Y. K. Prajapati, "Performance Analysis of Silicon and Blue Phosphorene/MoS2 Hetero-Structure Based SPR sensor", *Photonic sensors*, vol.9, Issue 3, pp.284–292, 02/2019, Published by Springer. (SCI, IF = 1.120)
 49. Vadthiya Narendar, Santosh K. Gupta, Shikhar Saxena, "First Principle Study of Doped Graphene for FET Applications", *Silicon*, vol.11, Issue 1, pp.277–286, 02/2019, Published by Springer. (SCI, IF = 0.829)
 50. Prashant Kumar, Prabhat Chandra Shrivastava, Manish Tiwari, Ganga Ram Mishra, "High-Throughput, Area-Efficient Architecture of 2-D Block FIR Filter Using Distributed Arithmetic Algorithm", *Circuits, Systems, and Signal Processing*, vol.38, Issue 3, pp.1099-1113, 03/2019, Published by Springer. (SCI, IF=1.92)
 51. Santosh Kumar Gupta, Rupesh Shukla, "Bandgap Engineered novel g-C3N4/G/h-BN Heterostructure for Electronic Applications",

Journal of Semiconductors, vol.40, Issue 3, pp.032801-5, 03/2019, Published by IOP Science. (Scopus, IF = 0.28)

52. Richa Singh and Shweta Tripathi, "Structural and optical properties of few-layer MoS₂ thin films grown on various substrates using RF sputtering process", *Journal of Materials Science: Materials in Electronics*, 03/2019. (SCI, IF = 2.324)
53. Anjali Priya, Nilesh Anand Srivastava, and Ram Awadh Mishra, "Design and Analysis of Nanoscaled Recessed-S/D SOI MOSFET-Based Pseudo-NMOS Inverter for Low-Power Electronics", *Journal of Nanotechnology*, vol.2019, Issue 4935073, pp.1-12, 03/2019, Published by Hindawi. (Scopus)

Publication in International Conferences

1. Yogesh Kumar Verma, Santosh Kumar Gupta, Varun Mishra, Rajeev Kumar Chauhan, "Reliability Analysis of SiGe Heterojunction Bipolar Transistor", *IEEE Sponsored Third International Conference for Convergence of Technology, (I2CT)*, Pune, 04/2018, Published by IEEE.
2. Yogesh Tripathi, Arun Prakash and Rajeev Tripathi, "An Energy Balanced Cluster Based Routing Protocol for Wireless Sensor and Actuator Network", *International Conference on Emerging Trends in Communication, Computing and Electronics*, JKIAPT, Allahabad, pp.155-163, 04/2018, Published by Springer.
3. Divya Sharma, Vinit Jaiswal, Y. K. Prajapati and Rajeev Tripathi, "Performance Optimization of Carving Signal RZ-DQPSK Modulation Scheme", *International Conference on Emerging Trends in Communication, Computing and Electronics (IC3E-2018)*, Allahabad University, pp.1-7, 04/2018, Published by Springer.
4. Yogesh Tripathi, Arun Prakash and Rajeev Tripathi, "A Delay Oriented Energy Efficient Routing Protocol for Wireless Sensor Network", *International Conference on Emerging Trends in Communication, Computing and Electronics (IC3E-2018)*, Allahabad University, 04/2018.
5. Arvind Kumar, Sunil Kumar, Prateek Raj Gautam, Akshay Verma and Tarique Rashid, "Performance Evaluation of Multi-operands Floating point adder", *International Conference on Emerging trends in Communication, computing and Electronics, IC3E-2018*, J. K institute of Applied Physics and Technology, University of Allahabad, 04/2018.
6. Rohit Kumar, Raghavendra Pal, Arun Prakash and Rajeev Tripathi, "A Collective Scheduling Algorithm for Vehicular Ad Hoc Network", *International Conference on Emerging Trends in Communication, Computing and Electronics (IC3E-2018)*, Allahabad University, 04/2018.
7. Yogendra Kumar Prajapati and Rahul Kumar, "Comparative Study of Photonic Crystal Fiber Using Different Structures", *3rd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018)*, Sri Venkateshwara College of Engineering (SVCE), Vidyanagar, Kempegowda International Airport Road, Bettahalsur Post, Bengaluru, Karnataka, 05/2018, Published by IEEE.
8. Divya Sharma, Y. K. Prajapati and Anurag Upadhyay, "16×40 Gb/s, 32×40 Gb/s and 64×40 Gb/s DWDM Network", *Computational and Characterization Techniques in Engineering & Sciences (CCTES-18)*, Integral University, Lucknow (ID-107), 09/2018.
9. Divya Sharma, Shikha Sachan and Yogendra Kumar Prajapati, "5×222 Gb/s PM-16QAM Nyquist-WDM superchannel", *International Conference on VLSI, Communication and Signal Processing*, ECED MNNIT Allahabad, 11/2018.
10. Basant Kumar, Raghuvendra Pratap Tripathi, Ankita Tiwari, Sristi Jha, Rohini Srivastava, Nitin Sahai, Sudip Paul, T. K Sinha, Dinesh Bhatia, "Stockwell Transform based Time-Frequency Analysis of The ECG Features for Assessment of Risk of LeftVentricular Hypertrophy in Hypertension Patients", *VCAS-2018*, MNNIT Allahabad, 11/2018, Published by Springer.
11. Ajay Kumar Yadav, Pritam Keshari Sahoo and Yogendra Kumar Prajapati, "DFT Precoder Technique combined with μ -Law Companding for PAPR reduction in OFDM System", *International Conference on VLSI, Communication and Signal Processing*, ECED MNNIT Allahabad, 11/2018,

12. Abhishek Agarwal, Raghavendra Pal and Arun Prakash, "A Scheduling Algorithm including deadline of messages in Vehicular Ad hoc Network", *International conference on VLSI, Communications and signal processing*, MNNIT Allahabad, 11/2018, Published by Springer.
13. Jitendra Bahadur Maurya, Alka Verma and Yogendra Kumar Prajapati, "Phosphorene: A Worthy Alternative of Graphene and MoS₂ in Surface Plasmon Resonance Sensor", *International Conference on VLSI, Communication and Signal Processing*, ECED MNNIT Allahabad, 11/2018.
14. Anjali Priya, Nilesh Anand Srivastava, and Ram Awadh Mishra, "Impact of Doping Concentration on the performance of TMG Re-S/D FDSOI MOSFET", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)*, MMMUT Gorakhpur, pp.1-6, 11/2018, Published by IEEE.
15. Basant Kumar, Rupesh Kumar, Sonali Ray, Meenakshi Sharma, "Abrupt Scene Change Detection Using Spatio-Temporal Regularity of Video Cube", *VCAS-2018*, MNNIT Allahabad, 11/2018, Published by Springer.
16. Saurabh Raj, Nand Kishore, GauravUpadhyay, ShiveshTripathi, Vijay ShankerTripathi, "A Novel Design of CSRR Loaded Truncated Patch Antenna for Non-Invasive Blood Glucose Monitoring System", *IEEE International Microwave and RF Conference (IMarc 2018) (Accepted)*, Kolkata, pp.05, 11/2018, Published by IEEE.
17. Basant Kumar, Rajeev Gupta, Shubham Chaudhary, Shailesh Kumar, "Performance Evaluation of Joint Filtering and Histogram Equalization Techniques for Retinal Fundus Image Enhancement", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)*, Gorakhpur, 2018, pp.1-5, 11/2018, Published by IEEE.
18. Pritam Keshari Sahoo, Ajay Kumar Yadav, Yogendra Kumar Prajapati and Rajeev Tripathi, "Optimum APD Gain Evaluation of FSO System for Inter-building Laser Communication Application", *International Conference on VLSI, Communication and Signal Processing*, Organised, ECED MNNIT Allahabad, 11/2018.
19. Narendra Prasad, Nilesh Anand Srivastava, Ritesh Kumar Jaiswal, and Ram Awadh Mishra, "Linearity Enhancement of CMOS OTA for High Performance Applications", *5th IEEE Uttar Pradesh Section International Conference on Electrical, Electronics and Computer Engineering (UPCON)*, MMMUT Gorakhpur, pp.1-6, 11/2018, Published by IEEE.
20. Saurabh Raj, Nand Kishore, GauravUpadhyay, ShiveshTripathi, Vijay ShankerTripathi, "A Compact Design of Circularly Polarized Fractal Patch Antenna for 5G Application", *IEEE International Microwave and RF Conference (IMarc 2018) (Accepted)*, Kolkata, pp.05, 11/2018, Published by IEEE.
21. Ankita Srivastava, Arun Prakash, "Reliable Location Aware Routing Protocol for Urban Vehicular Scenario", *International conference on VLSI, Communications and signal processing*, *International conference on VLSI, Communications and signal processing*, MNNIT Allahabad, 11/2018, Published by Springer.
22. Sarika Pal, Yogendra Kumar Prajapati and J. P. Saini, "Analyzing the sensitivity of heterostructure of BP-Graphene/TMDC layer coated SPR biosensor", *International Conference on VLSI, Communication and Signal Processing*, ECED MNNIT Allahabad, 11/2018.
23. Saurabh Raj, Gaurav Upadhyay, Nand Kishore, Shivesh Tripathi, Vijay ShankerTripathi, "A Stacked Patch MIMO Antenna with Circular Polarization for non invasive Blood Glucose Sensing Application", *IEEE Uttar Pradesh Section International Conference (UPCON2018) (Accepted)*, MMMUT Gorkhpur, pp.05, 11/2018, Published by IEEE.
24. Akhil Chandran, Raghavendra Pal, Arun Prakash and Rajeev Tripathi, "Proactive Spectrum Handoff based MAC protocol for Cognitive radio adhoc networks", *International conference on VLSI, Communications and signal processing*, MNNIT Allahabad, 11/2018.
25. Yogesh Tripathi, Vinay Kumar and Arun Prakash, "A Robust Energy Efficient Cluster Based Routing Protocol for Mobile Wireless

- Sensor Network*", *International Conference on International Conference on VLSI, Communication and Signal Processing*, MNNIT Allahabad, 12/2018, Published by Springer.
26. Anjali Priya, Nilesh Anand Srivastava, and Ram Awadh Mishra, "Performance Investigation of Gate-Engineered Recessed-S/D FDSOI MOSFETs for Low Power Analog/RF applications", In *15th IEEE INDICON 2018*, Amrita Vishwa Vidyapeetham, Coimbatore, pp.1-6, 12/2018, Published by IEEE.
27. Basant Kumar, VikasPatidar, Rohini Srivastava, R.P.tewari, NitinSahai, Dinesh Bhatia, "Arrhythmia Classification Based on Combination of Heart Rate, Auto Regressive Coefficient and Spectral Entropy Using Probabilistic Neural Network", *INDICON-2018*, Coimbatore, Tamil Nadu, India, 12/2018,
28. Pritam Keshari Sahoo, Yogendra Kumar Prajapati and Rajeev Tripathi, "Inter-building Laser communication under Dense Fog FSO Channel in Indian Subcontinent: A Performance Study", *The International Conference on Fiber Optics and Photonics (Photonics-2018)*, IIT Delhi, 12/2018, Published by OSA.
29. Akhil Chandran T., Raghavendra Pal, Arun Prakash and Rajeev Tripathi, "Proactive Spectrum Handoff based MAC protocol for Cognitive radio ad hoc networks", *International conference on VLSI, Communications and signal processing*, MNNIT Allahabad, 12/2018, Published by Springer.
30. Yogesh Tripathi, Arun Prakash and Rajeev Tripathi, "An Energy Balanced Load Aware Relay Selection in Cooperative Routing for Wireless Sensor Network", *IEMECON*, Jaipur, 03/2019, Published by IEEE.

Patents

1. Patent no.201811018251, Entitled a Method for Automated Measurement of Optic Nerve Sheath Diameter from Eye Ultrasound Image, Applied on 16.05/2018.The details are follows < The present invention relates to the measurement of Optic Nerve Sheath Diameter (OSND). More particu.
2. Patent no.201811032831, Entitled Low Power, Uniform Frequency Resolution and High Sampling Speed Arbitrary Waveform Generator, Applied on 31/08/2018.The details are follows < Under Examination.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Santosh Kumar Gupta	International Journal of VLSI Design and Communication Systems (VLSIC) Super lattices and Microstructures Journal of The Institution of Engineers (INDIA): Series B Microelectronics Journal Wireless Personal Communications International Journal of Electronics Letters Journal of Computational Electronics Semiconductor Science and Technology IEEE Students
2.	Dr. Basant Kumar	Journal of Security and Communication Networks Journal of Information and Computer Security Journal of Intelligent Systems Journal of Information Sciences Journal Multimedia Tools and Applications
3.	Dr. Yogendra Kumar Prajapati	International journal of Infrared Physics & Technology, International journal of Sensors & Actuators: B. Chemical International journal of Optical Fiber Technology International journal of Engineering, Science and Technology International journal of Optics Letters International journal of Silicon

4.	Dr. Rajeev Tripathi	International journal of Physica Scripta International journal of Journal of Optics International journal of Progress in Electromagnetic Research International journal of Optics Communications IEEE Communication Letters Adhoc Networks IETE Journal of Research, Taylor and Francis International Journal of Electronics, Taylor and Francis West Indian Journal of Engineering Wireless Personal Communication Springer International Journal of Electronics Vehicular Communication Journal of Computational Science
5.	Dr. Manish Tiwari	Optik – International Journal for Light and Electron Optics Transactions of the Institute of Measurement and Control Circuit System Signal Processing
6.	Dr. Vijay Shanker Tripathi	Journal of Superconducting
7.	Dr. Amit Dhawan	Transactions of the Institute of Measurement and Control Circuits, Systems & Signal Processing
8.	Dr. V. Krishna Rao	Transactions of the Institute of Measurement and Control
9.	Dr. Ram Awadh Mishra	Journal of Computational Electronics (JCEL) Analog Integrated Circuits & Signal Processing (ALOG)

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Pawan Kumar Verma, Rajesh Verma, Arun Prakash	Algorithms, Methods, and Applications in Mobile Computing and Communications	Massive Access Control in Machine-to-Machine Communications	IGI Global

Invited Lectures Delivered

- Lecture delivered by Dr. Ram Awadh Mishra at Faculty Development Program, SIET, Allahabad, U.P., India on 17/07/2018 entitled Progress of Modern VLSI Devices.
- Lecture delivered by Dr. Basant Kumar at One Week Faculty Development Program on 'Recent Advances in Communication Engineering, Bundelkhand Institute of Engineering & Technology, Jhansi on 30/12/2018 entitled Performance Evaluation of Wireless Networks for Telemedicine.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Workshop	Soft Skill (SS-2018), MNNIT Allahabad	21.05.2018	25.05.2018

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Vijaya Bhadauria (PI)	Special Manpower Development Program Chip to System Design (SMDP-C2SD)	Ministry of Electronics and Information Technology (Meity)	Rs.99.72 Lakhs	Ongoing
2.	Dr. Santosh Kumar	Special Manpower	DeiTy, Govt. of	Rs.99.72	Ongoing

	Gupta (Co-PI)	Development Program Chip to System Design (SMDP-C2SD)	INDIA at MNNIT Allahabad	Lakhs	
3.	Dr. Vijay Shanker Tripathi (PI)	Design and Development of a patch antenna based non-invasive blood sugar monitoring system	Council of Science and Technology, U.P	Rs.894000	Ongoing
4.	Dr. Yogendra Kumar Prajapati (PI)	Role of graphene and MoS2 on performance of surface plasmon resonance based sensors: An application to biosensing,	Board of Research in Nuclear Sciences (BRNS)	Rs.24 Lakhs	Ongoing
5.	Dr. Basant Kumar (Co-PI)	Modeling, Simulation & Development of Smart Active Ankle Foot Orthotic Device for Gait Rehabilitation	Department of Biotechnology (DBT), Govt. of India	Rs. 53.70 Lakhs	Ongoing
6.	Dr. Yogendra Kumar Prajapati (Co-PI)	Design and Analysis of Optical Waveguide for Biosensing Application	Collaborative Research Scheme Under TEQIP-III (NPIU)	Rs. 11.00 Lakh	Ongoing
7.	Dr. Yogendra Kumar Prajapati (Co-PI)	project proposal for setup a Optical Communication of the department	Universities and Higher Educational Institutions (FIST)	Rs. 1.15 Crore	Ongoing
8.	Dr. Rajeev Tripathi	To develop a testbed based on Magnetic Induction (MI) communications for agricultural soil condition monitoring (water concentration, minerals, and toxic chemicals)	Meity, Gol	Rs.4100000	Ongoing
9.	Dr. Arun Prakash (PI)	Experimental Investigation of Multihop Sensory Data Collection for Networking Applications	MNNIT Allahabad	Rs.2 Lakhs	Ongoing
10.	Dr. Basant Kumar (PI)	Design of Neural Network based Pacemaker	Department of Biotechnology (DBT) Govt. of India	Rs.69.64 Lakhs	Ongoing
11.	Dr. Santosh Kumar Gupta (PI)	To develop and Test FPGA based low power wireless sensor network with front end and receiver modules	MNNIT Allahabad	Rs. 2 Lakh	Ongoing
12.	Dr. Yogendra Kumar Prajapati (Co-PI)	Phosphorene based fiber optic plasmonic sensor for biomedical application	Collaborative Research Scheme Under TEQIP-III (NPIU)	Rs. 13.32 Lakh	Ongoing
13.	Dr. Arun Prakash (PI)	Wireless Sensor Network (WSN) Routing for Industrial Application: Algorithm Design and Hardware	Council of Science & Technology	Rs.6.8 Lakhs	Completed on 03/2019

10.9 GIS CELL

Vision

To establish an identity in the area of geoinformatics amongst national and international academic and research organizations 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, which produces globally acceptable skilled manpower. To generate and disseminate knowledge and technologies essential to the local and global needs in the field of geoinformatics.

Publication in International Journals

1. Yadav, M., Singh, A. K., Lohani, B., "Computation of road geometry parameters using mobile LiDAR system", *Remote Sensing Applications: Society and Environment*, vol.10, pp.18-23, 04/2018, Published by Science Direct. (Scopus)
2. Yadav, M., Singh, A. K., 2018, "Rural Road Surface Extraction Using Mobile LiDAR Point Cloud Data", *Journal of Indian Society of Remote Sensing*, vol.46, Issue 4, pp.531-538, 04/2018, Published by Springer. (SCI, IF=0.869)
3. Kumar, B., Yadav, M., Lohani, B., Singh, A. K., "A two-stage algorithm for ground filtering of airborne laser scanning data", *International Journal of Remote Sensing*, vol.39, Issue 20, pp.6757-6783, 05/2018, Published by Taylor & Francis Online. (SCI, IF = 2.493)

Publication in International Conferences

1. Yadav, M., Khan, P., Singh, A. K., Lohani, B., "Generating GIS database of street trees using mobile LiDAR data", *ISPRS TC V Mid Term Symposium*, Dehradun, pp.233-237, 11/2018, Published by ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences.
2. K. Dutta, D. Basu, S. Agrawal, "Temporal and spatial analysis of urban heat island using Landsat satellite data: two Indian case studies",

ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume IV-5, 2018 ISPRS TC V Mid-term Symposium "Geospatial Technology – Pixel to People", Dehradun, India, pp.71-78, 11/2018, Published by ISPRS.

3. Upadhayay, S., Yadav, M., Singh, D. P., "Road network mapping using airborne LiDAR data", *ISPRS TC V Mid Term Symposium*, Dehradun, pp.707-711, 11/2018, Published by The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences.
4. Yadav, M., Singh, A. K., Lohani, B., "Extraction of ground surface along roadway from mobile LiDAR data", *ISPRS TC V Mid Term Symposium*, Dehradun, pp.103-107, 11/2018, Published by ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences.
5. P. Yadav, S. Agrawal, "Road network identification and extraction in satellite imagery using Otsu's method and connected component analysis", *The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume XLII-5, 2018 ISPRS TC V Mid-term Symposium "Geospatial Technology – Pixel to People"*, Dehradun, India, pp.91-98, 11/2018, Published by ISPRS.
6. Yadav, M., Lohani, B., Singh, A. K., "Road surface detection from mobile LiDAR data", *ISPRS TC V Mid Term Symposium*, Dehradun, pp.95-101, 11/2018, Published by ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences.
7. K. Tripathi, S. Agrawal and R. D. Gupta, "A comparative analysis of conventional hadoop with proposed cloud enabled hadoop framework for spatial big data processing", *ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences, Volume IV-5, 2018 ISPRS TC V Mid-term Symposium "Geospatial Technology – Pixel to People"*, Dehradun, India, pp.425-430, 11/2018, Published by ISPRS.
8. Vivek Kumar and Sonam Agrawal, "Agricultural Land Use Change Analysis Using Remote Sensing And GIS: A Case Study of Allahabad, India", *Int. Arch. Photogramm. Remote Sens.*

Spatial Inf. Sci., XLII-3/W6, 397-402, New Delhi, India, pp.397-402, 02/2019, Published by

ISPRS.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Mr. Manohar Yadav	Journal of Surveying Engineering Journal of Applied Remote Sensing International Journal of Remote Sensing Mathematical Problems in Engineering International Society for Photogrammetry and Remote Sensing (ISPRS) Technical Commission V Symposium on "Education & Outreach - Geospatial technology – Pixel to People" Journal of Surveying Engineering Journal of Indian Society of Remote Sensing Survey Review
2.	Mr. Ramji Dwivedi	Journal of Surveying Engineering Journal of Indian Society of Remote Sensing International Journal of Remote Sensing

Invited Lectures Delivered

- Lecture delivered by Mr. Manohar Yadav at National Conference on the theme, "Mapping Urbanization in India from Socio-Spatial Perspectives", Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais on 25/08/2018 entitled Mobile LiDAR System for Transportation Applications.

Events Attended

- Mr. Manohar Yadav attended International Conference-cum-Symposium on ISPRS TC V Mid Term Symposium at Dehradun on/during 20/11/2018 to 23/11/2018.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Mr. Ramji Dwivedi(Co-PI)	Multi-sensor approach for landslide monitoring	NRDMS, DST	Rs.36.44 lakhs	Ongoing
2.	Mr. Ramji Dwivedi(PI)	Landslide inventory preparation using MT-InSAR	NRDMS, DST	Rs.20.44 lakhs	Ongoing

10.10 DEPARTMENT OF HUMANITIES & SOCIAL SCIENCES

Vision

To be a provider of nationally competitive, high quality skilled human resource in promotion of socio-economic and developmental activities, appropriate to the enrichment of quality of life of the common people, along with achieving the target of sustainable growth.

Mission

To inculcate socio-economic and cultural ethos amongst the budding young professionals by enhancing their competence and efficiency.

List of Laboratories:

List of the UG Laboratory:

- Language Laboratory

Courses Run by the Department:

- Master of Social Work (MSW)

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Taufiqu Ahmad	2013RHU01	A study on impact of regional vocational Training Institute on skill development of Women in India	Dr. Rajesh K. Shastri
2.	Mudit Kumar Singh	2014RHU02	Participatory Rural Development in India: Network-Based Social Capital in Panchayats of Uttar Pradesh	Dr. Ravindra Tripathi

Publication in International Journals

- Ravindra Tripathi, Mr. Aamir Aijaz Syed, "Impact of economic growth and population dynamics on CO2 emissions: study of developing nations", *Indian Journal of Environmental Protection*, vol.38, Issue 6, pp.495-505, 06/2018, Published by Kalpana Corporation. (Scopus)
- Ravindra Tripathi, Mr. Aamir Aijaz Syed, "Non-Performing Loans in BRICS Nations : Determinants and Macroeconomic Impact", *Indian Journal of Finance*, Issue 2, pp.22-35, 02/2019, Published by Associated Management Consultants (P) Ltd. (Scopus, IF = .586)

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Jyotsana Sinha	Daath Voyage: An International Journal of Interdisciplinary Studies in English

Invited Lectures Delivered

- Lecture delivered by Dr. Jyotsana Sinha at 2nd Workshop on Professional Writing & Communication skills, Lab Academia Research and Publication Center, Jhalwa, Allahabad on 28/04/2018 entitled Business Communication
- Lecture delivered by Dr. Jyotsana Sinha at The Art of Communication Workshop, Iswar Saran Degree College on 13/12/2018 entitled Basic Communication Skills.

India (An International Conference of Poets, Writers and Scholars) at Indore Christian College, Indore on/during 23/10/2018 to 24/10/2018.

- Dr. Mitu Mandal attended International conference on PAN IITIMC-2018 at IIT Roorkee on/during 30/11/2018 to 03/12/2018.

- Dr. Jyotsana Sinha attended International conference on Second International Literary Conference on "Rethinking the Global South: Literatures, Cultures and Media" at SRM University Lucknow on/during 02/02/2019 to 03/02/2019.

Events Attended

- Dr. Jyotsana Sinha attended International conference on 12th International Writers Festival-

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Ravindra Tripathi (PI)	Strategies for Development of Handicrafts Sector in India: An Empirical Study of Handicrafts Sector in Uttar Pradesh	ICSSR, New Delhi	Rs.300000	Ongoing
2.	Dr. Rajesh K. Shastri (PI)	A Study on Role of NGOs in Capacity Building and Social Mobilization of Rural People: Comparative Study Between Uttar Pradesh and Madhya Pradesh"	ICSSR	Rs.4 Lacs	Completed on 03/2019

Other Relevant Information

1. Dr. Jyotsana Sinha received NPTEL Online Certificate for scoring 94% in Developing Soft Skills and Personality Course on 11/2018.

10.11 DEPARTMENT OF MATHEMATICS

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 offering well–balanced curriculum to acquire professional competencies and transferable skills bringing innovations in Teaching-Learning process through effective content delivery and appropriate assessment methods catalyzing the research activities of both faculty members and students through research projects etc

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Mritunjoy Dutta	Roll No. 11332004	A Study of shock waves in gravitating and non-gravitating medium	Dr. Gorakh Nath
2.	Ms. Rubi Arya	2013RMA51	A Study on Fuzzy Multi-objective Linear Fractional Optimization Problems	Dr. Pitam Singh
3.	Abhishek Juyal	2014RMA02	A study of some problems on Diophantine Equations, Elliptic Curves and Lambert Series	Dr. Shiv Datt Kumar
4.	Mr. Mukund Pratap Singh	2013RGI03	GIS based Multi-Criteria Decision Analysis for Design and Evaluation of Optimum Route Alignment	Dr. Pitam Singh
5.	Dr. Priyanka Singh	Roll. No. 125MA01	A study on flow through porous media and allied problems	Dr. Pramod Kumar Yadav

Publication in International Journals

1. G Nath, "Flow behind an exponential shock in a rotational axisymmetric mixture of non-ideal gas and small solid particles with heat conduction and radiation heat flux", *Acta Astronautica*, vol.148, pp.355-368, 04/2018, Published by Elsevier. (SCI, IF = 2.227)
2. Yadav, Pramod Kumar, Tiwari, A. and Singh, P., "Hydrodynamic permeability of a membrane built up by spheroidal particles covered by porous layer", *Acta Mechanica*, vol.229, Issue 4, pp.1869–189, 04/2018, Published by Springer publisher. (SCI, IF = 2.166)
3. Pitam Singh, Ashish Kumar Singh, Priyamvada Singh, Saru Kumari, Arun Kumar Sangaiah, "Multimodal data modelling for efficiency assessment of social priority based urban bus route transportation system using GIS and data envelopment analysis", *Multimedia Tools and Applications*, pp.1-19, 06/2018, Published by Springer. (SCI, IF = 2.101)
4. Yadav, Pramod Kumar, Jaiswal, S. and Sharma, B. D., "A Mathematical Model of Micropolar Fluid in two -phase immiscible fluid flow through porous channel", *Applied Mathematics and Mechanics*, vol.39, Issue 7, pp.993–1006, 07/2018, Published by Springer publisher. (SCI, IF = 1.699)
5. Yadav, Pramod Kumar, Sneha Jaiswal, Taimoor Asim and Rakesh Mishra, "Influence of a magnetic field on the flow of a micropolar fluid sandwiched between Newtonian fluid layers through a porous medium", *The European Physical Journal Plus*, vol.133, Issue 7, pp.247-259, 07/2018, Published by Springer publisher. (SCI, IF = 2.612)
6. Singh Priyamvada, Hasnat Mariya, Singh Pitam, "Fuzzy Criteria based Recognition of Groundwater Prospective Zones using GIS and

- Remote Sensing*", *Disaster Advances*, vol.11, Issue 8, pp.1-10, 08/2018, Published by World Research Journal. (Scopus)
7. Sharma, B. D., Yadav, Pramod Kumar, "A Mathematical Model of Blood Flow in Narrow Blood Vessels in Presence of Magnetic Field", *National Academy Science Letters*, vol.42, Issue 3, pp.239-243, 09/2018, Published by Springer publisher. (SCI, IF = 0.331)
 8. Deepika Agarwal, Pitam Singh, Xiong Li, Saru Kumari, "Optimality Criteria for Fuzzy-Valued Fractional Multi-objective Optimization Problem", *Soft Computing*, pp.1-19, 09/2018, Published by Springer. (SCI, IF = 2.784)
 9. Yadav, Pramod Kumar and Jaiswal, S, "Influence of an inclined magnetic field on the Poiseuille flow of immiscible Micropolar-Newtonian Fluids in the Porous Medium", *Canadian journal of physics*, vol.96, Issue 9, pp.1016-1028, 09/2018, Published by NRC Research Press. (SCI, IF = 1.016)
 10. Priyamvada Singh, Sushil Kumar, Pitam Singh, "Attenuation of short-period body waves in Northwestern Himalayan Region, India", *Soil Dynamics and Earthquake Engineering*, vol.114, pp.555-562, 11/2018, Published by Elsevier. (SCI, IF = 2.578)
 11. Abhishek Juyal, Shiv Datt Kumar, "On the family of elliptic curves $y^2=x^3-m^2x+p^2$ ", *Proceedings-Mathematical Sciences (Indian Academy of Science)*, vol.128, Issue 5, 11/2018, Published by Springer Publication. (SCI, IF=0.295)
 12. Sushil Kumar, Priyamvada Singh, Pitam Singh, "Estimation of scattering and intrinsic attenuation based on multiple lapse time window analysis in Sikkim Himalayan region, India", *Physics of the Earth and Planetary Interiors*, vol.284, pp.1-9, 11/2018, Published by Elsevier. (SCI, IF=2.615)
 13. G. Nath, "Spherical shock wave driven out by a moving piston in mixture of small solid particles and non-ideal gas under the influence of gravitation field with monochromatic radiation", *Chinese Journal of Physics*, vol.56, Issue 6, pp.2741-2752, 12/2018, Published by Elsevier. (SCI, IF = 2.544)
 14. G. Nath and P. K. Sahu, "Similarity solution for the flow behind a cylindrical shock under the action of monochromatic radiation in a rotational axisymmetric perfect gas with magnetic field", *Ain Shams Engineering Journal*, vol.9, Issue 4, pp.1151- 1159, 12/2018, Published by Elsevier. (SCI, IF = 3.091)
 15. J. P. Vishwakarma, G. Nath and R. Kumar Srivastava, "Self-similar solution for cylindrical shock waves in a weakly conducting dusty gas", *Ain Shams Engineering Journal*, vol.9, Issue 4, pp.1717-1730, 12/2018, Published by Elsevier. (SCI, IF = 3.091)
 16. G. Nath, P. K. Sahu and S. Chaurasia, "An exact solution for the propagation of cylindrical shock waves in a rotational axisymmetric non-ideal gas with axial magnetic field and radiative heat flux", *AMSE Journals-AMSE IIETA publication-2018-Series: Modelling B*, vol.87, Issue 4, pp.236-243, 12/2018, Published by AMSE Press. (Scopus)
 17. B. Vasu, Atul Kumar Ray and Rama Subba Reddy Gorla, "Homotopy Simulation of non-Newtonian Spriggs Fluid Flow over a Flat Plate with Oscillating Motion", *Int J Applied Mechanics and Engineering*, vol.24, Issue 2, pp.359-385, 01/2019, (Scopus)
 18. Deepika Agarwal, Pitam Singh, Deepak Bhati, Saru Kumari, Mohammad S. Obaidat, "Duality based branch-bound computational algorithm for sum-of-linear fractional multi-objective optimization problem", *Soft Computing*, vol.23, Issue 1, pp.197-210, 01/2019, Published by Springer. (SCI, IF = 2.784)
 19. Abhishek Juyal, Shiv Datt Kumar, Dustin Moody, "Elliptic Curves Arising from the Triangular Numbers", *Integers, Electronic Journal of Number Theory*, vol.19, 02/2019, Published by University of West Georgia USA, Charles University and Dimatia.
 20. D. Yu. Khanukaeva, Anatoly Filippov, Pramod Kumar Yadav, Ashish Tiwari, "Creeping flow of micropolar fluid parallel to the axis of cylindrical cells with porous layer", *European Journal of Mechanics/ B Fluids*, vol.76, pp.73-80, 02/2019, Published by Elsevier publishers. (SCI, IF=1.811)

21. Atul Kumar Ray, B Vasu, O. Anwar Beg, Rama S. R. Gorla, PVSN Murthy, "Magneto-Bioconvection Flow of A Casson Thin Film With Nanoparticles Over An Unsteady Stretching Sheet", *International Journal of Numerical Methods for Heat and Fluid Flow*, 03/2019, Published y Emerald Publisher. (SCI, IF=2.45)
22. Sonika Singh and Sahadeo Padhye, "MaTRU-KE: A Key Exchange Protocol Based On MaTRU Cryptosystem", *International Journal of Communication System*, vol.32, Issue 4, pp.1-16, 03/2019, Published by Wiley Publication. (SCI, IF = 1.066)
23. G. Nath, "Cylindrical shock wave generated by a moving piston in a rotational axisymmetric non-ideal gas with conductive and radiative heat-fluxes in the presence of azimuthal magnetic field", *Acta Astronautica*, vol.156, pp.100-112, 03/2019, Published by Elseiver. (SCI, IF=2.227)
24. B Vasu, Rama S. R. Gorla, PVSN Murthy, O. Anwar Beg, V. R. Prasad and Ali Kadir, "Unsteady Flow of a Nanofluid over a Sphere with Non-Linear Boussinesq Approximation", *Journal of Thermophysics and Heat Transfer*, vol.33, Issue 2, pp.343-355, 03/2019, Published by AIAA. (SCI, IF = 1.085)

Publication in International Conferences

1. Ankita Dubey and B. Vasu, "Finite Element Analysis of MHD Blood Flow in Stenosed Coronary Artery with the Suspension of Nanoparticles", International Conference on Mathematical Modelling and Scientific Computing (ICMMSC – 2018), IIT Indore, pp. Accepted, 07/2018, Published by Springer Nature Singapore.
2. B. Vasu and Atul Kumar Ray, "Natural Convection of Carreau Nanofluid Flow from Vertical Flat Plate with Periodic Variation of Temperature and Concentration", International Conference on Computational Methods for Thermal Problems, IISC, Bengaluru, pp.177-180, 07/2018, Published by Thermacomp.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Buddakkagari Vasu	International Journal of Applied Mathematics and Mechanics Journal of Applied Fluid Mechanics Journal of Computational Design and Engineering Open Thermodynamics Journal International Journal of Fluid Mechanics Research Ain Shams Engineering Journal International Journal of Numerical Methods for Heat and Fluid Flow Proceedings of the National Academy of Sciences, India Section A: Physical Sciences International Conference on Computational Heat and Mass Transfer-2015 Journal of Nanofluids Indian Journal of Physics Neural Computing and Applications Thermal Science and Engineering Progress Heat and Mass Transfer International Journal Heat and Mass Transfer Journal of Thermophysics and Heat Transfer
2.	Dr. Pramod Kumar Yadav	Meccanica National Academy Science Letters Mathematical Methods in the Applied Sciences "Mathematical Modelling in Colloid Science" Microsystem Technologies (MITE Special Topics & Reviews in Porous Media - An International Journal Transport in porous media Arabian Journal for Science and Engineering (AJSE)

- Propulsion and Power Research
Differential Equations and Dynamical Systems
Theoretical and Computational Fluid Dynamics
Journal of the Brazilian Society of Mechanical Sciences and Engineering (BMSE)
Propulsion and Power Research
Journal of the Taiwan Institute of Chemical Engineers
Mathematical Reviews/MathSciNet (Reviewer No. - 098594).
International Journal of Information Technology & Decision Making
Turkish Journal of Mathematics
Communications in Algebra
Springer Plus, SCI Journal
Journal of Computational Science
National Academy Science Letters
Italian journal of pure and applied Mathematics
Mathematical Reviews
3. Dr. Shiv Datt Kumar
Journal of Applied Fluid Mechanics
Physics of Fluid
Ain Shams Engineering Journal
Acta Astronautica
Mathematical Method in the Applied Sciences
ICACCP 2017
Astrophysics and Space Science
Geophysical and Astrophysical Fluid Dynamics
Journal of Astrophysics and Astronomy
International Journal of Nonlinear Sciences and Numerical Simulation
Computer & Mathematics with Application
Journal of Applied Mathematics
Mathematical Modeling and Analysis
Int. J. Appl. Comput. Math
Shock Waves
Mathematical Method in the Applied Sciences
Engineering Science and Technology, an International Journal
Chinese Journal of Physics
Proc. Natl. Acad. Sci., India, Sec. A: Phys. Sci.
Ain Shams Engineering Journal
Journal of Applied Fluid Mechanics
Plasma Physics
Chinese Journal of Physics
Journal of Differential Equation and Dynamical System
Journal of the Brazilian Society of Mechanical Science and Engineering
Information Security Journal: A Global Perspective
Transactions on Emerging Telecommunications Technologies
Journal of Internet Technology
International Journal of Computer Mathematics: Computer Systems Theory
International Journal of Communication system
International Journal of Information security Science
National workshop on cryptography
Asia Security and Privacy Conference
IEEE Access
4. Dr. Gorakh Nath
Journal of Applied Fluid Mechanics
Physics of Fluid
Ain Shams Engineering Journal
Acta Astronautica
Mathematical Method in the Applied Sciences
ICACCP 2017
Astrophysics and Space Science
Geophysical and Astrophysical Fluid Dynamics
Journal of Astrophysics and Astronomy
International Journal of Nonlinear Sciences and Numerical Simulation
Computer & Mathematics with Application
Journal of Applied Mathematics
Mathematical Modeling and Analysis
Int. J. Appl. Comput. Math
Shock Waves
Mathematical Method in the Applied Sciences
Engineering Science and Technology, an International Journal
Chinese Journal of Physics
Proc. Natl. Acad. Sci., India, Sec. A: Phys. Sci.
Ain Shams Engineering Journal
Journal of Applied Fluid Mechanics
Plasma Physics
Chinese Journal of Physics
Journal of Differential Equation and Dynamical System
Journal of the Brazilian Society of Mechanical Science and Engineering
Information Security Journal: A Global Perspective
Transactions on Emerging Telecommunications Technologies
Journal of Internet Technology
International Journal of Computer Mathematics: Computer Systems Theory
International Journal of Communication system
International Journal of Information security Science
National workshop on cryptography
Asia Security and Privacy Conference
IEEE Access
5. Dr. Sahadeo Padhye
Journal of Applied Fluid Mechanics
Physics of Fluid
Ain Shams Engineering Journal
Acta Astronautica
Mathematical Method in the Applied Sciences
ICACCP 2017
Astrophysics and Space Science
Geophysical and Astrophysical Fluid Dynamics
Journal of Astrophysics and Astronomy
International Journal of Nonlinear Sciences and Numerical Simulation
Computer & Mathematics with Application
Journal of Applied Mathematics
Mathematical Modeling and Analysis
Int. J. Appl. Comput. Math
Shock Waves
Mathematical Method in the Applied Sciences
Engineering Science and Technology, an International Journal
Chinese Journal of Physics
Proc. Natl. Acad. Sci., India, Sec. A: Phys. Sci.
Ain Shams Engineering Journal
Journal of Applied Fluid Mechanics
Plasma Physics
Chinese Journal of Physics
Journal of Differential Equation and Dynamical System
Journal of the Brazilian Society of Mechanical Science and Engineering
Information Security Journal: A Global Perspective
Transactions on Emerging Telecommunications Technologies
Journal of Internet Technology
International Journal of Computer Mathematics: Computer Systems Theory
International Journal of Communication system
International Journal of Information security Science
National workshop on cryptography
Asia Security and Privacy Conference
IEEE Access

		International Journal of Communication System International Conference on Networks and Cryptography (Netcrypt 2019), June 14-16, Jawaharlal Nehru University, New Delhi.
6.	Dr. Pitam Singh	IEEE Transactions on Engineering Management. IEEE Access
7.	Dr. Supriya Yadav	Students Conference on Engineering and Systems (SCES-2019)

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Sonika Singh and Sahadeo Padhye	Information Technology - New Generations. Advances in Intelligent Systems and Computing	A Self Proxy Signature Scheme Over NTRU Lattices	Springer
2.	Sahadeo Padhye, Rajeev Anand Sahu & Vishal Sharaswat	Introduction to Cryptography	Full Book	CRC Press
3.	Atul Kumar Ray and B. Vasu	Applications of Fluid Dynamics. Lecture Notes in Mechanical Engineering	Hydrodynamics of non-Newtonian Spriggs Fluid Flow Past an Impulsively Moving Plate	Springer, Singapore
4.	Swati Rawal and Sahadeo Padhye	Security and Privacy, Communications in Computer and Information Science (CCIS)	Threshold Ring Signature with message block sharing	Springer

Invited Lectures Delivered

- | | |
|--|---|
| <ol style="list-style-type: none"> Lecture delivered by Dr. Sahadeo Padhye at National Instructional Workshop on Cryptology (NIWC'18)", Department of Mathematics, MNNIT Allahabad on 08/06/2018 entitled Hash Function. Lecture delivered by Dr. Sahadeo Padhye at National Workshop on Evolving Drifts in Computer Science (NWEDCS)-2018, REC Ambedkar Nagar (UP) on 10/07/2018 entitled Cryptology. Lecture delivered by Dr. Buddakkagari Vasu at Short term course on 'Industrial Applications of Heat Transfer Operations (IAHTO-I, 2018), Department of Chemical Engineering on 12/10/2018 entitled Numerical Analysis of Convective Heat Transfer of Nanofluids. Lecture delivered by Dr. Pitam Singh at Numerical and Optimization Technique (NOT-2018), Department of Civil Engineering, MNNIT Allahabad on 14/10/2018 entitled Fuzzy Data Envelopment Analysis. Lecture delivered by Dr. Pitam Singh at Numerical and Optimization Technique (NOT-2018), Department of Civil Engineering, MNNIT | <ol style="list-style-type: none"> Allahabad on 14/10/2018 entitled Fuzzt Sets and Fuzzy Logic. Lecture delivered by Dr. Buddakkagari Vasu at Short term course on "Advances and in Applications of Nanofluids (Nanofluids-2018), Department of Applied Mechanics on 27/10/2018 entitled Mathematical Models for Convective Transport in Nanofluids. Lecture delivered by Dr. Shiv Datt Kumar at 23rd International Conference of International Academy of Physical Sciences (CONIAPS XXIII) Kathmandu, Nepal, November 16-18, 2018, Nepal Academy of Science on 18/11/2018 entitled Applications of Mathematics in Present Technology. Lecture delivered by Dr. Gorakh Nath at National Conference on Recent Trends in Mathematical Sciences, during 24-25, Nov. 2018, Head Department of Mathematics and Statistics, DDU Gorakhpur University on 25/11/2018 entitled Solution of physical problems via similarity method and its applications. Lecture delivered by Dr. Shiv Datt Kumar at Asia- Austraila Algebra Conference during 21 - |
|--|---|

- 25 January, Western Sydney University, Sydney, Australia on 25/01/2019 entitled "Geometric Invariant in the theory of D-modules".
- Lecture delivered by Dr. Shiv Datt Kumar at TEQIP-III sponsored one week short term course on Impact of Recent advances in Applied Science on Engineering, Rajkiya Engineering College Banda on 19/02/2019 entitled Applications of Mathematics in Technology.
 - Lecture delivered by Dr. Shiv Datt Kumar at National Seminar on Recent Advances in Material Science and Electronics, Dept of Physics and electronics, Dr. Ram Manohar Lohia Awadh University Ayodhya & IAPS on 27/02/2019 entitled Plateform group based on amalgamated free product of Braid and Thomson group.
 - Lecture delivered by Dr. Pramod Kumar Yadav at National Conference on Recent Trends in
- Differential Equation: Theory, Modeling and Computation 2019 (NCDE-2019), Department of Mathematics, IIT Patna on 29/03/2019 entitled Modelling on fluid flow through complex porous membrane: particle-in-cell model approach.
- Lecture delivered by Dr. Gorakh Nath at 33rd Annual Conference of RMS 2018, during 1-3, June 2018 on 3 June 2018, organized by Department of Mathematics, Delhi University, Sectary RMS 2018 Delhi University on 06/2018 entitled Self-similarity method and it applications to solve complex physical problems.

Expert/Invited Lectures Organized

- A lecture is delivered by Prof Ramji Lal, Professor, Allahabad University & HRI, Allahabad on 11/2018 entitled Multiplicative Lie Algebras and Schur Multiplier.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Workshop	National Instructional Workshop on Cryptology (NIWC-2018), MNNIT Allahabad	06.06.2018	10.06.2018

Events Attended

- Dr. Pitam Singh attended International conference on CONIAPS-XXII at Dr. Ram Manohar Lohia Avadh University, Faizabad (Ayodhya)-224001, U.P., India on/during 15/04/2018 to 17/04/2018.
- Dr. Buddakkagari Vasu attended Expert Training on Expert training in Computational Fluid Dynamics using ANSYS CFX/Fluent at Technology Training & Research Centre, Hyderabad on/during 25/06/2018 to 10/07/2018.
- Dr. Shiv Datt Kumar attended International conference on International Congress of Mathematicians-2018 at Rio de Janeiro, Brazil on/during 01/08/2018 to 09/08/2018.
- Dr. Shiv Datt Kumar attended International conference on 23rd International Conference of International Academy of Physical Sciences (CONIAPS XXIII) at Nepal Academy of Science, Kathmandu, Nepal on/during 16/11/2018 to 18/11/2018.
- Dr. Pitam Singh attended International conference on CONIAPS XXIII at NAST, Kathmandu Nepal on/during 16/11/2018 to 18/11/2018.
- Dr. Supriya Yadav attended Workshop on author workshop at MNNIT, Allahabad on/during 27/02/2019 to 27/02/2019.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Pramod Kumar Yadav (PI)	"Hydrodynamics modelling of Complex porous membranes and their applications in engineering sciences	SERB, Govt. of India	Rs.808500	Ongoing

2.	Dr. Buddakkagari Vasu (PI)	Mathematical Simulations of Nanoparticles as Drug Carrier on Blood Flow through a Stenotic Artery	SERB	Rs.2280520	Ongoing
3.	Dr. Pramod Kumar Yadav (Co-PI)	Flow through a membrane modeled of porous cylindrical particles using Particle-in-cell approach	DST, New Delhi	Rs.12.86 lacs	Ongoing
4.	Dr. Pitam Singh (PI)	Social Priority Based Urban Road Transport System using GIS and DEA: Performance Assessment and Designing for Major Cities of Uttar Pradesh(India)	ICSSR, MHRD	Rs.640000	Completed on 08/2018
5.	Dr. Sahadeo Padhye (Co-PI)	Computer added technique for diseases diagnosis: noninvasive approach of disease detection using Iris Image	CCST	Rs.287000	Completed on 09/2018

10.12 DEPARTMENT OF MECHANICAL ENGINEERING

Vision

To be a centre of excellence in Mechanical Engineering education and research for the benefit of global society and humanity.

Mission

To educate and develop human resources for industry, academia and research and development. To push the frontiers of search skills in graduates and develop new paradigms in research for PG and Ph. D. programs. To develop products, processes and technology for the benefit of the society in collaboration with industry and commerce. To enhance the efforts for preparing job ready engineers and competent entrepreneurs.

List of Laboratories

1. Automobile Engineering Laboratory.
2. Computational and Industrial Engineering Laboratory.
3. Computer Aided Design Laboratory.
4. Computer Aided Manufacturing Laboratory.
5. Heat and Mass Transfer Laboratory.
6. Instrumentation Laboratory.
7. Internal Combustion Engine Laboratory.
8. Machine Elements Laboratory.
9. Machine Tools And Advanced Machining Laboratory.

10. Materials Characterization Laboratory.
11. Mechanical System Design Laboratory.
12. Mechatronics and Virtual Instrumentation Laboratory.
13. Metrology Laboratory.
14. Product Design and Manufacturing Laboratory.
15. Refrigeration and Air Conditioning Laboratory.
16. Steam Engine Laboratory.

Courses Run By Department:

1. B.Tech. (Mechanical Engineering)
2. B.Tech. (Production and Industrial Engineering)
3. M.Tech. (Design Engineering)
4. M.Tech. (Production Engineering)
5. M.Tech. (Computer Aided Design and Manufacturing)
6. M.Tech. (Product Design and Development)
7. M.Tech. (Thermal Engineering)
8. Ph.D. programmes

Courses in which students were admitted during 04/2018 - 03/2019 :

1. B.Tech. (Mechanical Engineering).
2. B.Tech. (Production and Industrial Engineering).
3. M.Tech. (Design Engineering).
4. M.Tech. (Production Engineering).

- | | |
|--|--|
| <p>5. M.Tech. (Computer Aided Design and Manufacturing).</p> <p>6. M.Tech. (Product Design and Development).</p> | <p>7. M.Tech. (Thermal Engineering).</p> <p>8. Ph.D. programmes.</p> |
|--|--|

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Mayank Agarwal	2014RME06	Microstructural and Metallurgical Evaluation for Powder-chip reinforcement Processed cast Aluminium Alloys in Semi-solid stage	Dr. Rajeev Srivastava
2.	Param Singh	2013RME06	Development and Performance Study of Ultrasonic Assisted Micro-Electrical Discharge Machining Process for Aerospace Superalloys	Dr. Audhesh Narain
3.	Mr. Vijay Verma	2010RME08	Effect of Particle Morphology on Tensile, Fracture and Fatigue Properties of Epoxy-Alumina Polymer Nanocomposite	Dr. Dharmendra K.Shukla

Publication in International Journals

- | | |
|---|---|
| <p>1. Ravivarman R, Palaniradja K and Prabhu Sekar R, "Evolution of balanced root stress and tribological properties in high contact ratio spur gear drive", <i>Mechanism and Machine Theory</i>, vol.126, pp.491-513, 05/2018, Published by Elsevier. (SCI, IF = 3.535)</p> <p>2. Jitendra N. Gangwar, and Samir Saraswati, "Stability of dual (diesel-alcohol) and triplicate (diesel-alcohols-ethers) fuel blends", <i>Biofuels</i>, 05/2018, Published by Taylor and Francis. (SCI, IF = 1.130)</p> <p>3. M. K. Gupta., "Investigations on properties of glass fibre reinforced polymer composite", <i>American Journal of Polymer Science & Engineering</i>, vol.6, pp.31-44, 06/2018, Published by Ivy Union Publishing.</p> <p>4. Alka Bharti, Amit Dixit and Bireswar Paul, "Experimental Analysis of a Solar Parabolic Trough Collector", <i>International Journal of Mechanical Engineering and Technology</i>, vol.9, Issue 6, pp.102-112, 06/2018, Published by IAEME Publication. (Scopus)</p> <p>5. Parul Sahu, M. K. Gupta, "Mechanical, thermal and morphological properties of sisal fibre: Effect of eco-friendly coating and treatment", <i>Indian Journal of Fibre & Textile Research</i>, 06/2018, Published by CSIR-NISCAIR. (SCI, IF = 0.43)</p> | <p>6. M. K. Gupta, Rohit Singh, "PLA coated sisal fibre reinforced polyester composite: water absorption, static and dynamic mechanical properties", <i>Journal of Composite Materials</i>, 06/2018, Published by Sage. (SCI, IF = 1.613)</p> <p>7. Ravivarman, Palaniradja and Prabhu Sekar. R, "Influence of gear ratio on wear depth of nonstandard HCR spur gear drive with balanced fillet stress", <i>Materials Today Proceedings</i>, vol.5, pp.17350-1735, 07/2018, Published by Elsevier. (Scopus)</p> <p>8. Surendra K. Saini, Avanish K. Dubey, B.N. Upadhyay and A. Choubey, "Study of hole characteristics in Laser Trepan Drilling of ZTA", <i>Optics and Laser Technology</i>, vol.103, 07/2018, Published by Elsevier. (SCI)</p> <p>9. Anand Shivanappa Reddy, Praveen Kumar Agarwal and Satish Chand, "Application of Artificial Neural Networks for the Fault Detection and Diagnosis of Active Magnetic Bearings", <i>International Journal of Mechatronics and Automation</i>, vol.6, Issue 2, pp.130-142, 08/2018, Published by Inderscience. (Scopus)</p> <p>10. B. Venu, V. R. Komma, Deepanshu Srivastava, "STEP-Based Feature Recognition System for B-spline Surface Features", <i>International Journal of Automation and Computing</i>, vol.15, Issue 4, pp.500-512, 08/2018, Published by Springer. (Scopus)</p> |
|---|---|

11. Prashant Kumar Singh, S.B. Mishra, "Erosion wear characteristics of HVOF Sprayed WC-Co-Cr and CoNiCrAlY coatings on IS-2062 structural steel", *Materials Research Express*, vol.5, Issue 9, pp.1-9, 08/2018, Published by IOP Publishing. (SCI, IF = 1.51)
12. Parul Sahu & M. K. Gupta, "PLA coated sisal fibre reinforced polyester composite: Static and dynamic mechanical properties", *PLA coated sisal fibre reinforced polyester composite: Static and dynamic mechanical properties*, vol.5, pp.19799-19, 09/2018, (Scopus)
13. P. Pal, R. Dev, "Performance study of modified basin type single slope solar distiller", *Euro-Mediterranean Journal for Environment Integration*, vol.3, pp.37, 09/2018, Published by Springer Nature.
14. Nitin Jain, M. K. Gupta, "Hybrid teak/sal wood flour reinforced composites: Mechanical, thermal and water absorption properties", *Materials Research Express*, vol.5, Issue 125306, 09/2018, Published by IOP Science. (SCI, IF = 1.449)
15. Inayatullah, Rakesh Narain, "Analysis of Interactions among the Enablers of Mass Customization: An Interpretive Structural Modelling Approach", *Journal of Modelling in Management*, 09/2018, Published by Emerald. (Scopus)
16. Mohit Saxena & M. K. Gupta, "Hybrid mango/shorea robusta wood reinforced epoxy composite: Crystalline behavior and dynamic mechanical analysis", *Materials Today: Proceedings*, vol.5, pp.19359-19, 09/2018, Published by Elsevier. (Scopus)
17. Anand Shivanappa Reddy, Praveen Kumar Agarwal and Satish Chand, "Adaptive multipopulation genetic algorithm based self designed fuzzy logic controller for active magnetic bearing application", *International Journal of Dynamics and Control*, vol.6, Issue 3, pp.1392-1408, 09/2018, Published by Springer. (Scopus)
18. Nitin Kumar Jain & M. K. Gupta, "Dynamic mechanical properties of hybrid teak/shorea robusta wood reinforced epoxy composite", *Materials Today: Proceedings*, vol.5, pp.19893-19, 09/2018, (Scopus)
19. M. K. Gupta, "Investigations on jute fibre reinforced polyester composite: Effect of alkali treatment and PLA coating", *Journal of Industrial Textiles*, 09/2018, (SCI, IF = 1.283)
20. Mohit Saxena, M. K. Gupta, "Mechanical, thermal and water absorption properties of hybrid wood composites", *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, 09/2018, Published by Sage. (SCI, IF = 1.281)
21. P. Pal, R. Dev, D. Singh, A. Ahsan, "Energy matrices, exergo-economic and enviro-economic analysis of modified multi-wick basin type double slope solar still", *Desalination*, vol.447, pp.55-73, 09/2018, Published by Elsevier. (SCI, IF = 6.06)
22. Mohammad Z. R. Khan, Sunil Kumar Srivastava, M. K. Gupta, "Tensile and flexural properties of natural fibre reinforced polymer composites: A Review", *Journal of Reinforced Plastics and Composites*, 09/2018, Published by Sage. (SCI, IF = 1.471)
23. M. K. Gupta, "Water absorption and its effect on mechanical properties of sisal composite.", *Journal of the Chinese Advanced Materials Society*, 10/2018, Published by Taylor & Francis. (Scopus)
24. M. K. Gupta, Vipul Deep, "Effect of water absorption and stacking sequences on properties of hybrid sisal/glass fibre reinforced polyester composite", *Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications*, vol.233, Issue 10, pp.2045-205, 10/2018, Published by Sage. (SCI, IF = 1.568)
25. M. K. Gupta, Niraj Chaudhury & Vandana Agrawal, "Static and Dynamic Mechanical Analysis of Hybrid Jute/Sisal Fibre Reinforced Polyester Composite", *Journal of the Chinese Advanced Materials Society*, 10/2018, Published by Taylor & Francis. (Scopus)
26. Pandey, Ashok Kumar; Prakash, Ravi, "Industrial Sustainability Index and Its Possible Improvement for Paper Industry", *Open Journal of Energy Efficiency*, vol.7, pp.118-128, 12/2018, Published by Scientific Research Publishing.

27. K. Tewari, R. Dev, "Exergy, environmental and economic analysis of modified domestic solar water heater with glass-to-glass PV module", *Energy*, vol.170, pp.1130-1150, 12/2018, Published by Elsevier. (SCI, IF = 5.5)
28. Pandey, Ashok Kumar; Prakash, Ravi, "Energy Conservation Opportunities in Pulp & Paper Industry", *Open Journal of Energy Efficiency*, vol.7, pp.89-99, 12/2018, Published by Scientific Research Publishing.
29. Param Singh, Vinod Yadava and Audhesh Narayan, "Micro-EDM Performance of Inconel 718 Superalloy with and without Ultrasonic Vibration", *International Journal of Precision Technology*, vol.8, Issue 2, pp.174 - 189, 01/2019, Published by Inderscience.
30. Prabhu Sekar, "Determination of Load depended gear loss factor on asymmetric spur gear", *Mechanism and Machine Theory*, vol.135, pp.322-335, 02/2019, Published by Elsevier. (SCI, IF = 3.535)
31. Prabhu Sekar, "Performance enhancement of spur gear formed through asymmetric tooth", *Journal of Engineering Tribology*, vol.233, Issue 9, pp.1361-1378, 02/2019, Published by SAGE. (SCI, IF = 1.32)
32. Dilawar Husain, Ravi Prakash, "Life Cycle Ecological Footprint Assessment of an Academic Building", *Journal of The Institution of Engineers (India): Series A*, vol.100, Issue 1, pp.97-110, 03/2019, Published by Springer. (Scopus)
33. J. C. Mohanta, A. Keshari, "A knowledge based fuzzy-probabilistic road map method for mobile robot navigation", *Applied Soft Computing*, vol.79, Issue 1, pp.391-409, 03/2019, Published by Elsevier. (SCI, IF = 4.873)
34. Prakash, Ravi; Garg, Pulkit, "Comparative Assessment of HDI with Composite Development Index (CDI)", *Insights into Regional Development, Entrepreneurship and Sustainability Center*, vol.1, Issue 1, pp.58-76, 03/2019, Published by Vilnius, Lithuania.
35. Vaibhav Srivastava and Manish Gupta, "Experimental assessment of self-healing characteristics in AA2014 matrix with Nitinol wire and Solder as healing agents", *Materials Research Express*, vol.6, Issue 8, pp.1-18, 03/2019, Published by IOP science. (SCI, IF=1.44)
36. Dilawar Husain, Ravi Prakash, "Ecological Footprint Reduction of Building Envelope in a Tropical Climate", *Journal of the Institution of Engineers (India): Series A*, vol.100, Issue 1, pp.41-48, 03/2019, Published by Springer. (Scopus)
37. R. Prabhu Sekar and Ravivarman, "Influence of addendum modification factor on root stresses in normal contact ratio asymmetric spur gears", *Journal of Solid Mechanics*, vol.11, Issue 1, pp.210-221, 03/2019, Published by Islamic Azad University-Arak Branch. (Scopus, IF = 0.5)

Publication in International Conferences

1. Vaibhav Srivastava and Manish Gupta, "Approach to Self healing in metal matrix composites: A Review", *International Conference on Materials Processing and characterization (ICMPC 2018)*, Hyderabad, pp.19703-1971, 04/2018, Published by Materials Today.
2. Nitesh Kumar Dixit, Rajeev Srivastava, Rakesh Narain, "Multi-Objective Optimization of 3D Open Source Printed Part Using Multi Criteria Decision Analysis", *International Conference on Emerging Trends in Mechanical Sciences (ICEMS)*, Hyderabad, Telangana, 06/2018, Published by International Journal of Mechanical and Production Engineering Research and Development.
3. Mohd Avesh, Rajeev Srivastava, Avanish Raj, "Design and Development of Pneumatic Control Suspension System Model for Agricultural and Hilly Terrains", *International Conference on Emerging Trends in Mechanical Sciences (ICEMS)*, Hyderabad, Telangana, 06/2018, Published by International Journal of Mechanical and Production Engineering Research and Development.
4. Parul Sahu, M. K. Gupta. Mechanical, "Thermal and Morphological Properties of Sisal Fibres", *2nd International conference on advancements in aeromechanical materials for manufacturing (ICAAMM-2018)*, MLR Institute of Technology, Hyderabad, 07/2018, Published by IOP Science.
5. Sunil Singh Rana, M. K. Gupta, "Dynamic Mechanical Properties of Hemp Nano Fibre

- Reinforced Epoxy*", 2nd International conference on advancements in aeromechanical materials for manufacturing (ICAAMM-2018)., MLR Institute of Technology, Hyderabad, 07/2018, Published by IOP Science.
6. Mohd. Nayab Zafar, J. C. Mohanta, "Methodology for Path Planning and Optimization of Mobile Robots: A Review", *International Conference on Robotics and Smart Manufacturing (RoSMa2018)*, IIIT Kancheepuram, pp.141-152, 07/2018, Published by Elsevier (Science Direct).
 7. Prakash agrawal, Rakesh Narain, "Digital Supply Chain Management: An Overview", *International conference on Advancements in Aero mechanical Materials for Manufacturing (ICAAMM-2018)*, MLR Institute of Technology, Hyderabad, 07/2018, Published by IOP.
 8. Shubham Tripathi and Manish Gupta, "A Current Review of Supply Chain Performance Measurement Systems", *International Conference on Future Learning Aspects of Mechanical Engineering (FLAME - 2018)*, Amity University, Noida, pp.1-8, 10/2018,
 9. Ravi Prakash, "Academia and MSMEs: fostering a partnership", *Resource Efficiency and Jobs: Opportunities for Business and Policy*, Mumbai, 10/2018, Published by Indian Association of the Club of Rome.
 10. Bharti, A., Mishra, A. and Paul, B., "Mathematical modeling and optimized design aspects of secondary reflectors for solar parabolic trough collector", *International Conference on Recent Innovations & Developments in Mechanical Engineering (IC-RIDME18)*, NIT Meghalaya, pp.Paper id-2, 11/2018, Published by Springer.
 11. Dhananjay Singh Yadav, Bireswar Paul, "Performance analysis of LPG cook stove with modifications", *International Conference on Recent Innovations and Developments in Mechanical Engineering (IC-RIDME18)*, NIT Meghalaya, 11/2018, Published by Springer.
 12. Amit Ranjan Hota, Prashant Kumar Singh, S.B. Mishra, "Finite element modelling of erosion parameters in boiler components", *International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering*, Hoshiarpur, Punjab, 11/2018.
 13. Srikant Tiwari, S.B. Mishra, "Corrosion of Stainless Steels and its Prevention through Surface Modifications for Biomedical Applications: A Review", *International Conference on Advancements and Futuristic Trends in Mechanical and Materials Engineering*, PUSSGRC, Hoshiarpur, Punjab, 11/2018.
 14. R. Dev, A. Bharti, A. Kumar, A. Meena, A. K. Singh, A. Kumar, M. Dev, "Design, Construction, Thermal Performance of a Solar House", *3rd International Conference on Sustainable Energy and Environmental Challenges (3rd SEEC)*, IIT Roorkee, Roorkee, Uttarakhand, pp.332-335, 12/2018, Published by IIT Roorkee.
 15. Ravivarman R, Palaniradja K and Prabhu Sekar R, "Teeth Wear enhancement along the Tooth Profile of Spur Gear Drive by Balancing the Fillet Stress through Positive Correction Factor", *7th International & 28th All India Manufacturing Technology, Design and Research (AIMTDR) Conference 2018*, Anna University, 12/2018, Published by Anna University.
 16. G. Kumar, P. Pal, P. Agarwal, R. Dev, A. K. Chauhan, "Embodied energy, payback and cost analysis of triple slope solar still integrated with glass-glass PV module", *3rd International Conference on Sustainable Energy and Environmental Challenges (3rd SEEC)*, IIT Roorkee, Roorkee, Uttarakhand, pp.336-339, 12/2018, Published by IIT Roorkee.
 17. K. Tewari, R. Dev, "Performance analysis of PVT non metallic solar water heater", *3rd International Conference on Sustainable Energy and Environmental Challenges (3rd SEEC)*, IIT Roorkee, Roorkee, Uttarakhand, pp.420-423, 12/2018, Published by IIT Roorkee.
 18. Prakash agrawal, Rakesh Narain, "A Roadmap for Implementation of Digital Supply Chain", *22nd International conference of Society of Operation Management (SOM 2018)*, IIM Kozhikode, 12/2018.
 19. Pratik Gyawali and Praveen Kumar Agarwal, "Fuzzy Behaviour Based Mobile Robot Navigation in Static Environment", *2018 IEEE Recent Advances in Intelligent Computational*

Systems (RAICS), Thiruvananthapuram, pp.190-194, 12/2018, Published by IEEE.

(ICMPC-2019), GRIET, Hyderabad, 03/2019, Published by Elsevier.

20. A K S Chauhan and M Shukla, "Residual Stress Modeling and Simulation of Direct Metal Laser Sintered Ti-6Al-4V Alloy", *Materials Processing and Characterization (ICMPC-2019)*, Hyderabad, 03/2019.
21. M. K. Gupta, Ajaya Bharti, "Mechanical and Water Absorption Properties of Sisal Fibre Reinforced Epoxy Composite: Effect of Charcoal Additive.", *International Conference on Materials Processing & Characterization (ICMPC-2019)*, GRIET, Hyderabad, 03/2019, Published by Elsevier.
22. M. K. Gupta, Ajaya Bharti, "Thermal Characteristics of Sisal Composites Containing Charcoal Particles", *International Conference on Materials Processing & Characterization*

Publication in National Conferences

1. P. Agarwal, P. Pal, G. Kumar, R. Dev, A. K. Chauhan, "Theoretical Analysis of Triple Slope Solar Still Integrated with Glass-Glass PV Module", *Recent Trends in Photovoltaic Technologies and Applications, Hi-Tech Institute of Engineering & Technology, Ghaziabad, pp.S4/PV-03, 08/2018.*

Patents

1. Patent no.201811045697, Entitled An Automatic Writing Machine For Drawing Sketch And Writing Text and the Method Involved Thereof, Applied on 04/12/2018. The details are follows < The invention generally relates to an automatic writing machine for drawing sketch and writing text.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Samir Saraswati	Neural Computing and Applications International Journal of Engine Research Chemical Engineering Science International Journal of Modeling Identification and Control Mathematical and Computer Modelling of Dynamical Systems Biofuels
2.	Dr. Avanish Kumar Dubey	Journal of Materials Processing Technology Measurement Science Review International Journal of Manufacturing Technology and Management International Journal of Precision Engineering and Manufacturing Journal of Mechanical Science and Technology International Journal of Machining and Machinability of Materials Lasers in Engineering Optics and Laser Technology Advances in Engineering Software Materials and Manufacturing Processes Journal of Intelligent and Fuzzy Systems International Journal of Advanced Manufacturing Technology Advances in Optical Technologies Lasers in manufacturing and Materials Processing Optics and Lasers in Engineering Machining Science and Technology
3.	Dr. Ravi Prakash	Environmental Impact Assessment Review Sustainable Cities and Society Energy Science in Society Sustainability: International Journal of Environmental, Cultural,

		Economic and Social Sustainability Energy and Buildings Frontiers of Environmental Science and Engineering Open Journal of Energy Efficiency (OJEE) Applied Energy Environment, Development and Sustainability Journal of Housing and Built Environment Research Journal of the University of Mauritius Building Simulation Energy for Sustainable Development
4.	Dr. Jagadish Chandra Mohanta	Computer Simulation and Dynamic Modelling of a Quadrupedal Pronking Gait Robot with SLIP Model Vision Based Virtual Force Guidance for Tele-robotics system Computers & Electrical Engineering
5.	Dr. Rajeev Srivastava	International Journal of Machining and Machinability of Materials
6.	Dr. Praveen Kumar Agrawal	Mechatronics Transactions of the Institute of Measurement and Control International Journal of Dynamics and Control
7.	Dr. R. Prabhu Sekar	Mechanism and Machine Theory
8.	Dr. Suryanarayan B. Mishra	Materials and Design High Temperature Materials and Processes Acta Metallurgica Sinica
9.	Dr. M. K. Khurana	Journal of Materials Engineering and Performance Journal of Advanced Manufacturing Systems BLB International Journal of Science and Technology BLB International Journal of Science and Technology
10.	Dr. Manoj Kumar Gupta	American Journal of Materials Engineering and Technology International Journal of Physical Sciences American Journal of Mechanical Engineering Archives of Current Research International Current Applied Polymer Science Journal of Silicon British Journal of Applied Science & Technology Advances in Materials & Processing Technologies International Journal of Technology Indian Journal of Fibre & Textile Research Plastics, Rubber and Composites: Macromolecular Engineering Journal of Materials Science Research and Reviews Biomaterials Journal of Thermoplastic Composite Materials Bulletin of Materials Science Journal of Materials Processing Technology Advances in Mechanical Engineering Polymers for Advanced Technologies International Journal of Ambient Energy Materials Research Journal of Reinforced Plastics and Composites Polymer Composites International Journal of Materials and Product Technology Journal of the Chinese Advanced Materials Society

11.	Dr. Manish Gupta	Nanotechnology Reviews Advances in Mechanical, Industrial, Automation and Management Systems International Journal of Operations and Production Management International Journal of Logistics Systems and Management International Journal of Procurement Management
12.	Dr. Rahul Dev	Energy Solar Energy
13.	Dr. Bireswar Paul	Journal of Thermal Engineering

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	Bireswar Paul	Existence of carbonaceous nano-particles in the indoor air environment	-----	Lap Lambert Academic Publishing, Germany
2.	Ravi Prakash	Transition towards 100% renewable energy	Chapter-31 Energy and material constraints in India's economic growth	Springer International Publishing
3.	M. K. Gupta	Encyclopaedia of Polymer Applications	Composites: Fibers Reinforced	Natural Taylor & Francis
4.	Shubham Tripathi and Manish Gupta	Advances in Industrial and Production Engineering	Lecture Notes in Mechanical Engineering	Springer

Invited Lectures Delivered

1.	Lecture delivered by Mr. Jitendra Narayan Gangwar at DST INSPIRE science camp, Sagar Institute of Technology & Management, Barabanki on 20/04/2018 entitled Introduction to I.C. Engines and Application of Biodiesel as a Future Fuel	6.	Lecture delivered by Dr. Manoj Kumar Gupta at STC on Composite Materials: Overview, Characterization and Applications (CMOCA-2018), MNNIT Allahabad on 17/07/2018 entitled Bio composites: Processing and characterization
2.	Lecture delivered by Dr. Suryanarayan B. Mishra at Faculty Development Program, United College of Engineering & Research, Allahabad on 03/05/2018 entitled Micro and nano coatings	7.	Lecture delivered by Dr. Dharmendra K. Shukla at Seminar on The Engineer's Day, September 15, 2018, Hanswahini Institute of Science and Technology, Allahabad, India on 15/09/2018 entitled Engineers- The creators of Modern Society -Impact of Nanotechnology on Society.
3.	Lecture delivered by Dr. Praveen Kumar Agrawal at Short term course on Matlab based Machine Learning and Optimization, Department of Mechanical Engineering, MNNIT Allahabad on 31/05/2018 entitled Fuzzy Logic	8.	Lecture delivered by Dr. Rahul Dev at Short term course: Industrial Applications of Heat Transfer Operations (IAHTO-I: 2018), Chemical Engineering Department, MNNIT Allahabad on 11/10/2018 entitled Solar Energy: A Renewable Source of Energy.
4.	Lecture delivered by Dr. Manish Gupta at Faculty Development Program on 'Total Quality Management', REC Azamgarh on 05/06/2018 entitled Total Quality Management in Supply Chain Management	9.	Lecture delivered by Dr. Manish Gupta at short term course on 'Non Linear Optimization Techniques, Department of Civil Engineering, Motilal Nehru National Institute of Technology
5.	Lecture delivered by Dr. Manish Gupta at Faculty Development Programme, CIPET Lucknow on 22/06/2018 entitled Applications of DFMA in new product development		

- Allahabad on 13/10/2018 entitled Fuzzy ANP- A way to measure organizational performance.
10. Lecture delivered by Dr. Audhesh Narain at Short Term Course, MNNIT Allahabad on 13/10/2018 entitled Electrical Energy Based Advanced Machining Processes.
 11. Lecture delivered by Dr. Praveen Kumar Agrawal at Short term course on Numerical and Optimization Technique (NOT-2018), Department of Civil Engineering, MNNIT Allahabad on 15/10/2018 entitled Fuzzy Logic System and Applications.
 12. Lecture delivered by Mr. Sunil Kumar Gupta at short term course on Advances in Materials and Manufacturing (AMM-2018), MNNIT Allahabad on 16/10/2018 entitled Applications of FEM in Advanced Manufacturing.
 13. Lecture delivered by Dr. Rahul Dev at Short term course: Advances and Applications of NanoFluids (NanoFluids-2018), Applied Mechanics Department, MNNIT Allahabad on 23/10/2018 entitled NanoFluids in Solar Energy Applications.
 14. Lecture delivered by Dr. Bireswar Paul at Advances and Applications of NanoFluids (NanoFluids-2018), Department of Applied Mechanics, MNNIT Allahabad on 28/10/2018 entitled recent developments and applications of nanofluids in Automobile engineering.
 15. Lecture delivered by Dr. Mukul Shukla at Two Days National Workshop on Optimization Techniques: Science & Engineering Applications (OTSEA-2018), Jagran Lake University, Bhopal on 16/11/2018 entitled Optimization - Introduction and use of Matlab Toolbox.
 16. Lecture delivered by Dr. Mukul Shukla at TEQIP III Sponsored Faculty Development Program on Advance Materials, Modelling and Manufacturing, REC Banda on 27/11/2018 entitled 3d Printing- an Introduction.
 17. Lecture delivered by Dr. Dharmendra K. Shukla at Short term course on Role of Nano-composites in Science and Engineering (RNSE-2018), December 18-22, 2018, BIET Jhansi, India on 20/12/2018 entitled Impact of Nanotechnology on Society.
 18. Lecture delivered by Dr. Audhesh Narain at Short Term Training Programme on "Advancements in Mechanical Engineering", MMMUT Gorakhpur on 20/12/2018 entitled Hybrid Machining Processes.
 19. Lecture delivered by Dr. Dharmendra K. Shukla at Short term course on Role of Nano-composites in Science and Engineering (RNSE-2018), December 18-22, 2018, BIET Jhansi, India on 20/12/2018 entitled Synthesis & Characterization of Polymer Nanocomposites.
 20. Lecture delivered by Dr. Rahul Dev at Short Term Course on Renewable Energy and Applications-2018 (REA-2018), Department of Mechanical Engineering, NIT Patna, Bihar, India on 22/12/2018 entitled Nanofluids in Solar Energy Applications.
 21. Lecture delivered by Dr. Bireswar Paul at Emerging Trends in Thermal Engineering (ETTE-2019), Department of Mechanical Engineering, MNNIT Allahabad, Prayagraj-211004, UP on 03/03/2019 entitled Biogas: A source of energy for cooking application.
 22. Lecture delivered by Dr. Mukul Shukla at Short Term Course on Recent Advances and Industrial Applications of Advanced Machining Processes (RAIAMP-2019), BIET Jhansi on 30/03/2019 entitled Advances and Industrial Applications of Metal Additive Manufacturing Processes.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Self-sponsored Short-term Course	Matlab based Machine Learning and Optimization, Department of Mechanical Engineering, MNNIT Allahabad	28.05.2018	01.06.2018
2.	Short Term Course	Composite Materials: Overview, Characterization and Applications (CMOCA-2018), MNNIT Allahabad	16.07.2018	20.07.2018

3.	Workshop	short term course on "Advances in Materials and Manufacturing, MNNIT Allahabad	12.10.2018	16.10.2018
4.	Short Term Course	Emerging Trends in Thermal Engineering, MNNIT ALLAHABAD	17.12.2018	21.12.2018
5.	Short Term Course	Emerging Trends in Thermal Engineering (ETTE-2018), MNNIT Allahabad	01.03.2019	05.03.2019

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co-investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Mukul Shukla (Co-PI)	Hybrid composite for light weight impact resistant helmet	NPIU-Teqip	Rs. 17.7 lacs	Ongoing
2.	Dr. Manoj Kumar Gupta (PI)	Green composite prepared by waste sugarcane bagasse and poly lactic acid (PLA) for packaging applications	CST, UP	Rs.10.44 Lakhs	Ongoing
3.	Dr. Samir Saraswati (Co-PI)	Performance and Emission Analysis of Biofuels in Diesel Engine Using Antioxidant Additives	NPIU	Rs.1420000	Ongoing
4.	Dr. Jagdish Chandra Mohanta (PI)	Quadcopter Application for Line Inspection of Power Transmission Lines	DST-ICPS, New Delhi	Rs.24.123 Lakhs	Ongoing

10.13 DEPARTMENT OF PHYSICS

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

List of Laboratories:

- Under Graduate Physics Lab-I (Optics Lab)
- Under Graduate Physics Lab-II (General Lab)
- Research Lab-I
 - Under Graduate Physics Lab-I (Optics Lab)

- Under Graduate Physics Lab-II (General Lab)
- Research Lab-I

Courses Run by Department:

- Physics I (PH 1101)
- Physics II (PH1202)
- Physics Lab (PH1151)
- Physics Lab (PH1251)
- Ph. D. Courses
- Physics II (PH1202)
- Physics Lab (PH1251)

Courses in which students were admitted during 04/2018 - 03/2019 :

- Ph. D.

Publication in International Journals

- Ahmed B, Ojha Animesh K., Singh A, Hirsch F, Fischer I, Patrice D, Materny A, "Well-controlled in-situ growth of 2D WO₃ rectangular sheets on reduced graphene oxide with strong photocatalytic and antibacterial properties", *Journal of hazardous materials*, vol.347, pp.266-

- 278, 04/2018, Published by Elsevier. (SCI, IF=6.43)
2. R. K. Mishra, C. S. Prajapati, R. R. Shahi, A. K. Kushwaha, and P. P. Sahay, "Influence of electrodeposition modes on the electrochemical performance of MnO₂ films prepared using anionic MnO₄⁻ (Mn⁷⁺) precursor", *Ceramics International*, vol.44, pp.5710-5718, 04/2018, Published by Elsevier. (SCI, IF = 3.450)
 3. A. Singh, B. Ahmed, A. Singh, Animesh K. Ojha, "Photodegradation of phenanthrene catalyzed by RGO sheets and disk like structures synthesized using sugar cane juice as a reducing agent", *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, vol.204, pp.603-610, 06/2018, Published by Elsevier. (SCI, IF = 2.88)
 4. Rajesh Kumar Mishra, Chandra Shekhar Prajapati, and P. P. Sahay, "Supercapacitive performance of electrochemically synthesized nanocrystalline MnO₂ films using different plating solutions: A comparative study", *Journal of Alloys and Compounds*, vol.749, pp.172-179, 06/2018, Published by Elsevier. (SCI, IF=4.175)
 5. Prakash Chandra Sati, Mohit Sahni, Manoj Kumar, Manisha Arora, Puneet Negi, Monika tomar, Vinay Gupta and Naresh Kumar, "Effect of Pr³⁺ substitution on structural, dielectric, electrical and magnetic properties of BiFe_{0.80}Ti_{0.20}O₃ [Bi_{1-x}Pr_xFe_{0.80}Ti_{0.20}O₃, x = 0.05, 0.10, 0.15] ceramics", *Integrated Ferroelectrics*, vol.193, pp.1-13, 07/2018, Published by Taylor & Francis Group. (SCI, IF=0.486)
 6. Kavyashree, Shrikant S. Raut, Babasaheb R. Sankapal, S. N. Pandey, "Influence of Cu on the Performance of Tuberos Architecture of Strontium Hydroxide Thin Film as a Supercapacitor Electrode", *ChemElectroChem*, vol.5, Issue 24, pp.4021-4028, 09/2018, Published by Wiley. (SCI, IF = 4.446)
 7. Faizan Ahmad, Rashmi Singh, Prasanna Kumar Misra, Naresh Kumar, Rachna Kumar, and Pramod Kumar, "Fabrication of a p-n Heterojunction Using Topological Insulator Bi₂Te₃-Si and Its Annealing Response", *Journal of Electronic Materials*, 09/2018, Published by Springer. (SCI, IF = 1.566)
 8. Manisha R Singh, Sucheta Singh, Shubhra Aakanksha, Mohit Sahni, P Bhaskar Bhattacharya, Pallavi Gupta, Naresh Kumar, "Deposition and Study of AZO Heterojunction Schottky Diodes at Different Temperatures", *Journal of Materials Science: Materials in Electronics*, 10/2018, Published by Springer. (SCI, IF = 2.324)
 9. Kavyashree, R. K. Pandey, R. P. Yadav, Manvendra Kumar, H. P. Bhaskar, A. K. Mittal, A. C. Pandey, S. N. Pandey, "Substrate effect on the evolution of surface morphology of BaF₂ thin films: A study based on fractal concepts", *Applied Surface Science*, vol.466, pp.780-786, 01/2019, Published by Elsevier. (SCI, IF=4.439)
 10. Rajesh K. Mishra, P. P. Sahay, and Rohit R. Shahi, "Alloying, magnetic and corrosion behavior of AlCrFeMnNiTi high entropy alloy", *Journal of Materials Science*, vol.54, pp.4433-4443, 03/2019, Published by Springer. (SCI, IF=3.442)

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. P. P. Sahay	Superlattices and Microstructures Thin Solid Films Sensors and Actuators B Sensors & Actuators: B. Chemical Chemical Physics Letters Materials Research Bulletin Journal of Alloys and Compounds Journal of Physics and Chemistry of Solids Materials Chemistry and Physics Materials Science in Semiconductor Processing Journal of Vacuum Science and Technology

2.	Dr. S. N. Pandey	International Journal of Nanoscience and Nanotechnology Quantum Information Processing
3.	Dr. Naresh Kumar	Journal of Electronic Materials Journal of Alloys and Compounds Journal of Materials Science: Materials in Electronics Applied Physics Letters Journal of Applied Physics International Conference on VLSI, Communication and Signal Processing (VCAS 2018) International Conference on Computing Applications in Electrical & Electronics Engineering (ICCAEEE-2019) Journal of Magnetism and Magnetic Materials International Conference on "Computing Applications in Electrical & Electronics Engineering Journal of Materials Science: Materials in Electronics Journal of Magnetism and Magnetic Materials Second International Conference on, Communication and Signal Processing (VCAS 2019)
4.	Dr. Animesh Kumar Ojha	Journal of Materials Science and Engineering B Vibrational Spectroscopy Journal of Raman Spectroscopy Journal of Photochemistry and photobiology A: Chemistry Journal of Alloys and Compounds Nanotechnology RSC Advances Spectrochimica Acta Journal Of Physical Chemistry C Materials Chemistry and Physics Applied Surface Science

Invited Lectures Delivered

- Lecture delivered by Dr. P. P. Sahay at International Seminar on Green Chemistry: Synthesis, Processing & Devices, VKS University, Ara, India on 07/04/2018 entitled Manganese Oxide Based Pseudocapacitors – An Energy Storage Device.
- Lecture delivered by Dr. Naresh Kumar at One Week Short Term Course on "Composite Materials: Overview, Characterization and Applications (CMOCA-2018), Department of Mechanical Engineering of Motilal Nehru National Institute of Technology Allahabad on 17/07/2018 entitled XRD & TEM analysis of composites.
- Lecture delivered by Dr. P.P. Sahay at Department of Physics, National Institute of Technology, Surat on 08/10/2018 entitled Metal Oxide Based Solid State Gas Sensors.
- Lecture delivered by Dr. Naresh Kumar at Advance Materials, Modelling and Manufacturing, Rajkiya Engineering College Banda Uttar Pradesh on 30/11/2018 entitled Structural characterization of materials: X-ray diffraction & Transmission Electron Microscopy.
- Lecture delivered by Dr. Naresh Kumar at Advance Materials, Modelling and Manufacturing, Rajkiya Engineering College Banda Uttar Pradesh on 01/12/2018 entitled Pulsed laser deposition /ablation: Laser Synthesis of nanomaterials & Thin Films.
- Lecture delivered by Dr. Animesh Kumar Ojha at Short-Term Course, Rajkiya Engineering College Banda on 20/02/2019 entitled Applications of Laser in Spectroscopy.
- Lecture delivered by Dr. Animesh Kumar Ojha at Short-Term Course, Rajkiya Engineering College Banda on 20/02/2019 entitled Synthesis,

Characterization and Applications of 2D Materials.

- Lecture delivered by Dr. P. P. Sahay at National Seminar on Recent Advances in Material Science and Electronics, Dr. Ram Manohar Lohia Avadh University, Ayodhya, Uttar Pradesh on 28/02/2019 entitled Electro-chemically Deposited MnO₂ Thin Films for Supercapacitor Applications.

Expert/Invited Lectures Organized

- A lecture is delivered by Prof. Deshdeep Sahdev, Professor and CEO, QuazarTech / (Ex-) IIT Kanpur on 09/05/2018 entitled Generating Wealth from What We Teach & Learn in our Curricula.
- A lecture is delivered by Dr. Udit Narayan Pal, Senior Scientist, Ceeri Pilani on 30/10/2018 entitled Research on Plasma Devices and Technologies at CSIR-Ceeri, Pilani for Strategic, Societal and Industrial Applications.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	GIAN (Global Initiative of Academic Networks) International Winter Course – 2017	Experimental Techniques for Nanomagnetic Materials – (ETNM - 2017), MNNIT Allahabad	30.10.2018	04.11.2018
2.	National conference	Advanced Nanomaterials and their Applications, MNNIT Allahabad	21.12.2018	23.12.2018
3.	GIAN (Global Initiative of Academic Networks) International Winter Course – 2017	X-ray Absorption Spectroscopy and its Application to Nanomaterials (XASAN-2017), MNNIT Allahabad	21.12.2018	28.12.2018

Events Attended

- Dr. P. P. Sahay attended International Conference on International Seminar on Green Chemistry: Synthesis, Processing & Devices at V K S University, Ara, India on/during 06/04/2018 to 07/04/2018.
- Dr. Naresh Kumar attended Training on Preliminary users acceptance test at NPIU New Delhi on/during 23/08/2018 to 23/08/2018.
- Dr. Naresh Kumar attended Faculty Development Program on Professional Development Training at IIM Shillong on/during 10/09/2018 to 14/09/2018.
- Dr. Animesh Kumar Ojha attended Hindi Workshop on Hindi Workshop at Department of Chemistry on/during 28/09/2018 to 28/09/2018.
- Dr. Animesh Kumar Ojha attended National Conference on Advance Nanomaterials and Their Application at Department of physics on/during 21/12/2018 to 23/12/2018.
- Dr. Naresh Kumar attended Training on one day Preliminary users acceptance test (UAT) at NPIU- MHRD Delhi on/during 19/01/2019 to 19/01/2019.
- Dr. Animesh Kumar Ojha attended Subject Expert on Kishore Vagyanik Prottsahan Yojana at HRI on/during 13/02/2019 to 15/02/2019.
- Dr. P. P. Sahay attended National conference on National Seminar on Recent Advances in Material Science and Electronics (RAMSE-2019) at Dr. Ram Manohar Lohia Avadh University, Ayodhya, Uttar Pradesh on/during 27/02/2019 to 28/02/2019.
- Dr. Naresh Kumar attended National conference on Equity: Achievements and Challenges in India at College of Engineering Pune India on/during 15/03/2019 to 16/03/2019.

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Naresh Kumar (Co-PI)	Exploiting the Zn-ferrite thin films material an assortment	India-Bulgaria Joint Research Project,	Rs.1142000	Ongoing

		of spintronics devices	Approved for two years (2019-2021)		
2.	Dr. Naresh Kumar (PI)	Development of ferrite-semiconductor composite hollow nanospheres based sensors for enhanced bio and gas sensing performance	CSIR	Rs.18.20	Ongoing

10.14 SCHOOL OF MANAGEMENT STUDIES

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.

List of Laboratories:

1. Digital Management Laboratory
2. Behavioral Dynamics Laboratory
3. Management Research Laboratory

Courses Run By Department:

1. Master of Business Administration
2. Ph.D.

Courses in which students were admitted during 04/2018 - 03/2019 :

1. Master of Business Administration
2. Ph.D.

List of Ph.D. Thesis Completed

Sl.No.	Name of Student	Reg. No.	Thesis Title	Thesis Supervisor(s)
1.	Kumar Saurabh	2014RMS02	A Model of Financial Satisfaction among Middle- Income Investors in India	Dr. Tanuj Nandan
2.	Suresh Kumar	2013RMS04	Sanitation Behaviour amongst Rural Households in India: A Study of Social Marketing Interventions by Government	Dr. Vibhuti Tripathi

Publication in International Journals

1. Ghosh, P., Geetika, Ojha, M., "Homeless Shelters in Urban India: Life sans Dignity", *International Journal of Housing Markets and Analysis*, pp.Earlycite, 05/2018, Published By Emerald Publication. (SCI, IF = .84)
2. Saurabh, K., & Nandan, T., "Role of Financial Risk Attitude and Financial Behavior as Mediators in Financial Satisfaction: Empirical Evidence from India", *South Asian Journal of Business Studies*, vol.7, Issue 2, pp.201-224, 06/2018, Published by Emerald Insight. (Scopus)
3. Rahman, S. & Singh, T., "Dimensions of employee satisfaction with compensation: scale development and validation", *International Journal of Business Excellence*, pp.00-00,
4. Ginni Chawla, Singh Tripti, Singh Rupali, "Resolving an Evitable Crises: Whose Stake is It?", *Global Business Review*, 08/2018, Published by Sage. (Scopus)
5. Monika Singh, G. P. Sahu, "Study of e-governance implementation: a literature review using classification approach", *International Journal of Electronic Governance*, vol.10, Issue 3, pp.237-260, 11/2018, Published by Inder science online. (Scopus)
6. Vibhuti tripathi, Pooja Rastogi & Suresh Kumar, "Direct and Moderating Influence of Perceived Fit, Risk and Parent Brand Trust on Brand Extension Success of Personal Care Brand in India", *Global Business Review*, vol.19, Issue 6,

pp.1681-1692, 12/2018, Published by Sage. (Scopus)

7. Nandan, T., & Choubey, V. K., "Exploring the Relationship of Discrete Components of Inventory with Financial Performance in Indian Automotive Industry", *International Journal of Industrial and Systems Engineering*, vol.31, Issue 1, pp.15-37, 01/2019, Published by Inderscience Publishers. (Scopus)
8. Bodhi, R., Singh, T., & Rahman, S., "Recent themes in social media research: A Systematic Review", *International Journal of Business Information System*, 01/2019, Published by Inderscience. (Scopus)
9. Saurabh, K., & Nandan, T., "Role of financial knowledge, financial socialisation and financial risk attitude in financial satisfaction of Indian individuals", *International Journal of Indian Culture and Business Management*, vol.18, Issue 1, pp.104-122, 01/2019, Published by Inderscience Publishers. (SCI)

Publication in National Journals

1. Singh, T., & Tripathi, C. M. (2018), "Issues Related to International Work Assignments and

Expatriation: A Thematic Analysis", *Focus WTO/IB*, vol.20, Issue 4, pp.18-33, 05/2018, Published by IIFT.

Publication in International Conferences

1. Monika Singh, G. P. Sahu, Y. K. Dwivedi, N. P. Rana and K. Tamilmani, "Success Factors for e-Court Implementation at Allahabad High-Court", *Pacific Asia Conference on Information Systems*, Japan, 06/2018, Published by Association for Information Systems.
2. Naveen Kumar Singh, G. P. Sahu, "Critical Success Factors of the Digital Payment Infrastructure for Developing Economies", *International Working Conference on Transfer and Diffusion of IT*, United Kingdom, pp.113-125, 12/2018, Published by Springer.
3. N. P. Rana, M. Janssen, G. P. Sahu, A. Baabdullah, & Y. K. Dwivedi, "Citizens' Perception about M-Government Services: Results from an Exploratory Survey", *International Conference on System Sciences*, Hawaii, pp.3356-3365, 01/2019, Published by Hamilton Library.

Reviewer in International Journals

Sl. No.	Faculty Name	Journal Name
1.	Dr. Tanuj Nandan	International Journal of Industrial and Systems Engineering Asia Pacific Journal of Marketing and Logistics Journal of Business Strategy Finance and Management Journal of Quantitative Economics Journal of Business Strategy Finance and Management International Journal of Housing Markets and Analysis International Journal of Industrial and Systems Engineering (IJISE)
2.	Dr. Piyali Ghosh [On Leave]	Management Research Review Personnel Review International Journal of Sociology and Social Policy
3.	Dr. Ganesh Pd. Sahu	International Journal of E-Governance International Journal of E-Government Research American Conference on Information Systems The annual Americas Conference on Information Systems (AMCIS) International Journal of Information Management
4.	Dr. Tripti Singh	Journal of Humanitarian Logistics and Supply Chain Management Benchmarking: An International Journal

Book(s)/ Book Chapter Authored

Sl. No.	Faculty Name (Author/ Co-author)	Book	Book Chapter	Publisher
1.	G. P. Sahu & N. K. Singh,	Emerging Markets from a Multidisciplinary Perspective	Identifying Critical Success Factor (CSFs) for the Adoption of Digital Payment Systems: A Study of Indian National Banks	Springer
2.	Tripti Singh & Alok Agarwal	-----	Does competency management lead to rural women empowerment?: Evidence from SHG groups in developing economy	First Friend Publication

Invited Lectures Delivered

- Lecture delivered by Dr. Tripti Singh at Faculty Development Programme, University of Petroleum, Dehradun on 07/05/2018 entitled Writing and Publishing Paper.
- Lecture delivered by Dr. Geetika at Short Term training programme for Faculty, Department of Humanity and Social Sciences, MNNIT Allahabad on 11/06/2018 entitled Importance of Ethics and Intellectual Property Rights in Research.
- Lecture delivered by Dr. Tanuj Nandan at Self-Financed Workshop on Qualitative Research Methods in Social Sciences, June 11th to 17th, 2018, Department of Humanities and Social Sciences, MNNIT Allahabad on 12/06/2018 entitled Research Design and Sampling Techniques.
- Lecture delivered by Dr. Geetika at Summer Training Program on VLSI Design and Embedded Systems (VDES-2018), Department of Electronics Engineering, MNNIT Allahabad on 13/06/2018 entitled Ethics in engineering profession.
- Lecture delivered by Dr. Tanuj Nandan at Summer School in Social Sciences (Refresher Course), June 21 to July 11, 2018, UGC- Human Resource Development Centre (Academic Staff College), University of Allahabad on 29/06/2018 entitled An Introduction to Data Analysis using SPSS.
- Lecture delivered by Dr. Geetika at Publishing in High Quality Journals, SMS MNNIT Allahabad on 16/07/2018 entitled Intellectual Property Rights and Ethics in research.
- Lecture delivered by Dr. Geetika at Orientation programme for Young Faculty, MNNIT Allahabad on 19/07/2018 entitled Tenets of Effective Teaching.
- Lecture delivered by Dr. Tanuj Nandan at 120th Orientation Program, UGC- Human Resource Development Centre (Academic Staff College), University of Allahabad on 28/07/2018 entitled A Digital Nation: Promises and Prospects for India.
- Lecture delivered by Dr. Tanuj Nandan at Workshop on GST Awareness, Ewing Christian College, Allahabad on 07/09/2018 entitled GST in India- A Primer.
- Lecture delivered by Dr. Geetika at Guest of Honour at Annual Function, D. H. National Board for Workers Education and Development, (Regional Directorate, Allahabad) on 16/09/2018 entitled Work Ethics.
- Lecture delivered by Dr. Tripti Singh at AIR Allahabad on 22/09/2018 entitled Social Media and Its effect on Organizational Work life.
- Lecture delivered by Dr. Geetika at NIT Hamirpur, NIT Hamirpur on 23/09/2018 entitled Creativity, Invention and Innovation.
- Lecture delivered by Dr. Ganesh Pd. Sahu at CSI-Nihilent E-Governance Award 2018, Computer Society of India, Hyderabad on 06/10/2018 entitled CSI-Nihilent E-Governance Award 2018.
- Lecture delivered by Dr. Ganesh Pd. Sahu at TEQIP III programme on Mathematical Modelling and Research Methodology, HBTU Kanpur on 09/10/2018 entitled writing and Communicating Research Paper.

15. Lecture delivered by Dr. Tanuj Nandan at TEQIP-III sponsored FDP on Mathematical Modelling and Research Methodology, HBTU, Kanpur on 12/10/2018 entitled Spreadsheet Based Decision Modelling.
16. Lecture delivered by Dr. Tanuj Nandan at ICSSR sponsored Workshop on Research Methodology, Lucknow University, Lucknow on 22/11/2018 entitled Use of Spreadsheets in Social Science Research
17. Lecture delivered by Dr. Geetika at Prayagraj Tax conference 2018, All India Federation of Tax Practitioners, Northzone on 24/11/2018 entitled 'Unbiasing' Genders at Work places-an ethical-legal perspective
18. Lecture delivered by Dr. Ganesh Pd. Sahu at TEQIP - III Workshop at MBM College Jodhpur, Coimbatore Institute of Technology on 13/12/2018 entitled How to Publish in High Impact Journals.
19. Lecture delivered by Dr. Tanuj Nandan at 122nd Orientation Program, UGC- Human Resource Development Centre (Academic Staff College), University of Allahabad on 30/01/2019 entitled A Digital Nation: The Power to Empower.
20. Lecture delivered by Dr. Tanuj Nandan at Training Program on Interview Skills, Doon University, Dehradun on 08/02/2019 entitled Interview Effectiveness.
21. Lecture delivered by Dr. Vibhuti Tripathi at Training-cum-Workshop on E-Learning in Higher Education, Faculty Development Centre, Ishwar Saran Degree College on 09/02/2019 entitled E-content Development & Delivery.
2. A lecture is delivered by Shri Akhilesh Tiwari, Yoga Expert, Allahabad on 08/08/2018 entitled Importance of Yoga in Life Style.
3. A lecture is delivered by Swapnil Garg, Professor, IIM Indore on 29/08/2018 entitled Public Private Partnership.
4. A lecture is delivered by G. Venkat Raman, Associate Professor, IIM Indore on 30/08/2018 entitled Cultural Determinants of Chinese Negotiations Behavior.
5. A lecture is delivered by Sanjay Srivastava, Professor, University of Kanpur on 20/09/2018 entitled Cost Accounting.
6. A lecture is delivered by Kalpana Mathur, Dean, Education and Multimedia Research Center on 13/02/2019 entitled HRM: Challenges and Issues.
7. A lecture is delivered by Kalpana Mathur, Dean, Education and Multimedia Research Center on 14/02/2019 entitled International Performance Appraisal.
8. A lecture is delivered by Kalpana Mathur, Dean, Education and Multimedia Research Center on 15/02/2019 entitled Case Study on Performance Appraisal.
9. A lecture is delivered by N. K. Sharma, Professor, IIT Kanpur on 25/02/2019 entitled Personality Types and Learning.
10. A lecture is delivered by N. K. Sharma, Professor, IIT Kanpur on 26/02/2019 entitled Understanding and Avoiding Plagiarism in Research Writing and Publishing.
11. A lecture is delivered by V. K. Katiyar, Professor (Retd.), IIT Roorkee on 06/03/2019 entitled Healthcare Management Systems.
12. A lecture is delivered by Nidhi Saxena, Chief Executive Officer, Zoclr Health Private Limited on 27/03/2019 entitled Scalability and Sustainability for Startups.

Expert/Invited Lectures Organized

1. A lecture is delivered by Prof. S. K. Pant, Professor, Govind Ballabh Pant Institute of Social Sciences on 02/08/2018 entitled an Overview of the Research Process.
2. A lecture is delivered by Nidhi Saxena, Chief Executive Officer, Zoclr Health Private Limited on 27/03/2019 entitled Scalability and Sustainability for Startups.

Events Organized by Department

Sl. No.	Name	Title	From	To
1.	Seminar	Gender Sensitivity at workplace (GSW-2018), MNNIT Allahabad	11.08.2018	-----
2.	Workshop	Personality Development and People's Skill, MNNIT ALLAHABAD	03.04.2018	07.04.2018

3.	Workshop	STTP on Self Defence for Girl students, MNNIT Allahabad	30.07.2018	12.08.2018
4.	Short Term Training Program	Renewable and sustainable technologies for fuels, chemicals and power production, MNNIT Allahabad	24.09.2018	28.09.2018
5.	Workshop	Sensitization Workshop for Counselors, MNNIT Allahabad	13.11.2018	13.11.2018
6.	Short Term Training Program	Contaminated Sites: Assessment, Remediation and Risk, MNNIT Allahabad	19.11.2018	23.11.2018
7.	Faculty Development Program	Short Term Training Program on 'Case Study Methods: Learning, Teaching and Writing', School of Management Studies, MNNIT Allahabad	12.12.2018	21.12.2018
8.	Faculty Development Program	One Week Training Program on Case Study Methods: Learning, Teaching and Writing, MNNIT Allahabad	17.12.2018	21.12.2018
9.	Seminar	Outreach Seminar on RBI's Annual Report, MNNIT Allahabad	12.02.2019	12.02.2019
10.	Short Term Training Program	Multiphase Computational Fluid Dynamics and Heat Transfer, MNNIT Allahabad	12.03.2019	17.03.2019

Research Projects Completed/Ongoing

Sl. No.	Principal Investigator /Co investigator(s)	Project Title	Funding Agency	Amount (INR)	Duration
1.	Dr. Ganesh Prasad Sahu (PI)	Seven million Solar Urja Lamps (SoUL) through Localization of Solar Energy project	MNRE through IIT Bombay	Rs. 281 Lakh	Ongoing
2.	Dr. Ganesh Prasad Sahu (PI)	National Mission Project on Pedagogy	NME-ICT, MHRG, Government of India (through IIT Kharagpur)	Rs. 700000	Ongoing
3.	Dr. Geetika (PI)	Multi-partnership Model of Self-sustainable Shelters for Urban Homeless Poor	HUDCO-HSMI New Delhi	Rs.16 Lakh	Complete
4.	Dr. Ganesh Prasad Sahu (PI)	GIAN Phase I and II	MHRD	Rs.174.08	Ongoing
5.	Dr. Ganesh Prasad Sahu (PI)	Aakash Project	NME-ICT, MHRD, Government of India (through IIT Bombay)	Rs. 600000	Ongoing
6.	Dr. Ganesh Prasad Sahu (PI)	Teach 10000 Teachers (T10KT) NME-ICT Remote Centre	NME-ICT, MHRG, Government of India (through IIT Bombay)	Rs.750000 (module wise funding)	Ongoing
7.	Dr. Ganesh Prasad Sahu (PI)	National Resource Center on Biomedical Engineering	MHRD	Rs.19.7	Completed on 02/2019

FINANCIAL AND ACCOUNT DETAILS

11.1 Financial and Account Report

11.2 Annual Account 2018-19

11.1 FINANCIAL AND ACCOUNT REPORT

कार्यालय प्रधान निदेशक लेखापरीक्षा (केंद्रीय) लखनऊ

शाखा कार्यालय - प्रयागराज

15-ए, दयानंद मार्ग; सत्यनिष्ठा भवन, प्रयागराज - 211 001

पत्र संख्या: प्र0नि0ले0प0 (केंद्रीय)/पृ.ले.प.-20/2019-20/

दिनांक : 10.2019

सेवा में,

सचिव, भारत सरकार,
मानव संसाधन विकास मंत्रालय,
उच्च शिक्षा विभाग, शास्त्री भवन,
नई दिल्ली- 110001

विषय : मोती लाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद के वर्ष 2018-19 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन।

महोदय,

इस पत्र के माध्यम से मोती लाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान, इलाहाबाद के वर्ष 2018-19 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) तथा वार्षिक लेखे की प्रति अग्रसारित की जा रही है।

2. कृपया सुनिश्चित करें कि पृथक लेखापरीक्षा प्रतिवेदन एवं सम्बन्धित लेखे संसद के दोनों सदनों के सम्मुख प्रस्तुत हुए।

3. कृपया पृथक लेखापरीक्षा प्रतिवेदन एवं लेखों को संसद के दोनों सदनों के समक्ष अन्तिम रूप-से प्रस्तुत करने की तिथि भारत के नियंत्रक एवं महालेखापरीक्षक के साथ-साथ इस कार्यालय को भी सूचित करने का कष्ट करें।

संलग्नक: उपर्युक्तानुसार।

भवदीय,

प्रधान निदेशक लेखापरीक्षा (केंद्रीय)

पत्र संख्या: प्र0नि0ले0प0 (केंद्रीय)/पृ.ले.प.-20/2019-20/101

दिनांक : 30.10.2019

निदेशक, मोती लाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद 211004 (उत्तर प्रदेश) को संस्थान के वर्ष 2018-19 के लेखों पर पृथक लेखापरीक्षा प्रतिवेदन (अंग्रेजी) की प्रति आवश्यक कार्यवाही हेतु प्रेषित है। संस्थान यदि आवश्यकता अनुभव करे, तो इस प्रतिवेदन का हिन्दी अनुवाद करवा सकता है परन्तु इस प्रतिवेदन के हिन्दी अनुवाद में निम्नलिखित अस्वीकरण (disclaimer) अंकित होना चाहिए:

“प्रस्तुत प्रतिवेदन मूलरूप से अंग्रेजी में लिखित पृथक लेखापरीक्षा प्रतिवेदन का हिन्दी अनुवाद है। यदि इसमें कोई विसंगति परिलक्षित होती है तो अंग्रेजी में लिखित प्रतिवेदन मान्य होगा।”

हिन्दी अनुवाद की एक प्रति इस कार्यालय को भी प्रेषित करने का कष्ट करें।

संलग्नक: उपर्युक्तानुसार।

उप निदेशक (केंद्रीय व्यय)

Separate Audit Report of the Comptroller and Auditor General of India on the accounts of Motilal Nehru National Institute of Technology Allahabad, Prayagraj for the year ended 31 March, 2019

We have audited the attached Balance Sheet of Motilal Nehru National Institute of Technology Allahabad, Prayagraj (Institute) as at 31 March, 2019, the Income and Expenditure Account and Receipts and Payments Account for the year ended on that date Under Section 19(2) of the Comptroller and Auditor General's (Duties, Power and Conditions of Service) Act, 1971 read with section 22(2) of the National Institute of Technology Act, 2007. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Report contains the comments of the Comptroller and Audit 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 observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspect, etc. if any, are reported through Inspection Reports/CAG's Audit Report separately.

3. 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 managements, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

(i) We have obtained all the information and explanations, which to the best of our knowledge and believe were necessary for the purpose of our audit;

(ii) **The Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report have been drawn up in format of Financial Statements for Central Higher Education Institutions prescribed by MHRD, Government of India.**

(iii) **In our opinion, proper books of accounts and other relevant records except mentioned in Comments A& B have been maintained in 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:**

Grants- in-aid

The Institute received grants-in-aid of ₹164.28 crore during the year 2018-19 and generated internal income of ₹ 35.37 crore. It transferred ₹24.02 crore from corpus fund to adjust the deficit balance under salary head. Taking opening balance of ₹72.88 crore the total fund available worked out to ₹296.55 crore. The Institute utilised ₹163.71 crore leaving a balance of ₹132.84 crore.

(v) **Subject to our observation in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and 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 explanation 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 the accounting principles generally accepted in India.**

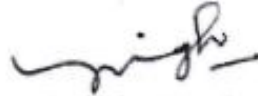
(a) **In so far as it relates to the Balance Sheet, of the state of affairs of the Motilal Nehru National Institute of Technology Allahabad, Prayagraj as at 31 March, 2019 and**

(b) In so far as it relates to Income and Expenditure Account of the 'Deficit' for the year ended on that date.

For and on behalf of the C&AG of India

Place: Lucknow

Date: 30.10.19



Principal Director of Audit (Central)

Annexure

1. Adequacy of Internal Audit System

Internal audit of the Institute was carried out during 2018-19 by the Internal Audit wing of the Institute.

2. Adequacy of Internal Control System.

Internal control system of the Institute reflected following deficiencies:

- Non adjustment of advances amounting to ₹0.59 crore.
- Non compliance of deficiencies in Internal Control System intimated through previous year AIR.

3. System of Physical verification of Fixed Assets

Physical verification of Fixed Assets was not conducted during 2018-19. It was last conducted in 2017-18.

4. System of Physical verification of Inventories

Physical verified of Inventories was not conducted during the year 2018-19. It was last conducted in year 2017-18.

5. Regularity in payment of statutory dues.

The Institute is regular in payment of statutory liability.

Dy. Director (CE)

11.2 ANNUAL ACCOUNTS: 2018-19

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD
BALANCE SHEET AS AT 31ST MARCH 2019

(Amount-Rs)

SOURCES OF FUNDS	Sch	CURRENT YEAR	PREVIOUS YEAR
Corpus/capital fund	1	2,20,94,37,962.41	3,08,99,54,873.93
Designated/ earmarked funds	2	1,23,52,26,494.88	48,53,65,616.08
Current liabilities and provisions	3	1,89,87,42,374.40	1,16,32,76,782.63
Total		5,34,34,06,831.69	4,73,85,97,272.64
APPLICATION OF FUNDS	Sch	CURRENT YEAR	PREVIOUS YEAR
<u>Fixed assets</u>			
Tangible assets	4	1,62,59,61,443.07	1,65,02,69,255.07
Capital work-in-progress	4	20,13,40,614.35	5,09,48,541.00
Intangible assets	4	91,01,480.00	21,87,192.00
<u>Investments from earmarked/endowment funds:</u>	5		
Long term		1,17,40,43,592.76	44,01,68,490.96
Short term			
Investment others	6	43,86,47,780.00	1,07,15,77,753.00
<u>Current assets</u>	7	1,39,67,30,998.86	92,75,79,757.97
<u>Loans, advances & deposits</u>	8	49,75,80,922.65	59,58,66,282.64
Total		5,34,34,06,831.69	4,73,85,97,272.64
Significant accounting policies	23		
Contingent liabilities and notes to accounts	24		

CHARTERED ACCOUNTANT

DY. REGISTRAR (A/CS)

REGISTRAR

INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 2019

(Amount-Rs)

PARTICULARS	Sch	CURRENT YEAR	PREVIOUS YEAR
Income			
Academic receipts	9	38,41,50,049.46	38,41,06,998.97
Grants & donations	10	1,03,79,73,075.73	83,99,86,247.20
Income from investments	11	-	-
Interest earned	12	10,03,06,248.00	7,96,68,565.37
Other incomes	13	4,45,00,034.83	3,80,54,648.20
Prior period income	14	-	1,35,53,253.00
Total (A)		1,56,69,29,408.02	1,35,53,69,712.74
EXPENDITURE			
Staff payments & benefits	15	1,15,66,80,161.04	74,91,90,754.40
Academic expenses	16	22,44,45,824.45	20,06,30,602.00
Administrative and general expenses	17	23,95,49,479.69	22,65,18,391.80
Transportation expenses	18	12,77,804.00	12,86,155.00
Repair & maintenance	19	4,55,11,416.00	6,39,04,709.00
Finance costs	20	93,920.27	88,122.80
Other expenses	21	2,59,330.00	2,17,295.00
Prior period expenses	22	1,88,391.00	1,09,400.00
Depreciation		10,51,85,164.00	12,52,90,707.00
Total (b)		1,77,31,91,490.45	1,36,72,36,137.00
Balance being excess of income over expenditure (a-b)		(20,62,62,082.43)	(1,18,66,424.26)
Transfer to /from designated fund, building fund, others)- apportioned amount of depreciation towards assets purchased out of capital fund		10,51,01,871.00	12,51,98,475.00
Balance being surplus/(deficit) carried to general fund		(10,11,60,211.43)	11,33,32,050.74

Significant accounting polies	23		
Contingent liabilities and notes on accounts.	24		

CHARTERED ACCOUNTANT

DY. REGISTRAR (A/CS)

REGISTRAR

SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 1- CORPUS / CAPITAL FUND

(Amount-Rs)

Particulars	Capital fund- institute	Capital fund-subsiidiaries (ref annexure a (1))	Current Year	Previous Year
INSTITUTE				
Balance as at the beginning of the year	2,90,84,76,154.28	18,14,78,719.65	3,08,99,54,873.93	2,97,44,41,937.51
Add: Contributions towards Corpus/Capital Fund	-		-	-
Add: Grant from UGC, Government of India and State government to the extent utilized for capital expenditure	24,55,17,610.35		24,55,17,610.35	10,49,03,074.00
Add: Assets Purchased out of Earnmarked Funds			-	-
Add: Assets Purchased out of Sponsored Projects, where ownership vests in the institution			-	-
Add: Assets Donated/Gifts Received			-	-
Add: Other Additions			-	-
Add: Amount of Capital Expenditure out of Grant	-	-	-	-
Add: Excess of Income over expenditure transferred from the Income and Expenditure Account	(10,11,60,211.43)	4,86,46,432.98	(5,25,13,778.45)	12,97,24,617.42
Total	3,05,28,33,553.20	23,01,25,152.63	3,28,29,58,705.83	3,20,90,69,628.93
Add/(Less): Adjustments	-	(2,00,21,757.61)	(2,00,21,757.61)	60,83,720.00
Less: Apportioned Amount of Depreciation	10,51,01,871.00	-	10,51,01,871.00	12,51,98,475.00
Less: Transfer to Corpus Fund as per 52 FC-52.06	70,81,35,802.37		70,81,35,802.37	
Less: Transfer to GRANT HEAD - SALARY (OH-36)	24,02,61,312.44		24,02,61,312.44	-
Balance as at the end of the year	1,99,93,34,567.39	21,01,03,395.02	2,20,94,37,962.41	3,08,99,54,873.93

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE A(1) OF SCH 1

FUND ACCOUNT - SUBSIDIARIES

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Add: Income (as per Annexure i)	Less: Expense (as per Annexure ii & iii)	Adjustment	As at March 31, 2019	As at March 31, 2019
Alumni Association	1,30,10,833.62	41,13,282.87	39,10,886.90	-	1,32,13,229.59	1,30,10,833.62
Dean Academic Affairs	2,05,35,881.20	6,10,93,999.40	91,09,811.12	-	7,25,20,069.48	2,05,35,881.20
G.K. Agarwal Trust	2,72,764.00	18,597.00	25.00	-	2,91,336.00	2,72,764.00
Industrial Estate	3,63,64,171.13	25,46,721.00	12,70,648.00	-	3,76,40,244.13	3,63,64,171.13
Nodal Center	(3,67,984.00)		21,741.00	-	(3,89,725.00)	(3,67,984.00)
P.D.T.C.	(1,93,530.00)	7,407.00		-	(1,86,123.00)	(1,93,530.00)
Project Account	21,87,571.08	81,95,339.00	60,99,310.35	(50,00,000.00)	(7,16,400.27)	21,87,571.08
Research & Consultancy Cell	3,30,25,537.92	1,97,47,274.00	2,45,06,166.73	(1,50,21,757.61)	1,32,44,887.58	3,30,25,537.92
School of Non Formal Continuing Education (SNFCE)	1,30,98,879.00	14,44,328.00	7,96,006.00	-	1,37,47,201.00	1,30,98,879.00
Sponsored Gold Medal	6,45,624.00	2,01,394.00	71,115.00	-	7,75,903.00	6,45,624.00
Student Welfare Fund	2,16,76,945.00	37,75,232.51	11,43,768.00	-	2,43,08,409.51	2,16,76,945.00
TEQIP - II	4,08,78,135.70	1,97,069.00	57,93,770.70	-	3,52,81,434.00	4,08,78,135.70
Text Book Lending Bank	3,43,891.00	36,094.00	7,056.00	-	3,72,929.00	3,43,891.00
Total	18,14,78,719.65	10,13,76,737.78	5,27,30,304.80	(2,00,21,757.61)	21,01,03,395.02	18,14,78,719.65

**SCHEDULE FORMING PART OF BALANCE SHEET
SCHEDULE 2-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.									
a) Opening balance of the funds	27,21,71,534.00	1,70,66,856.14	1,24,70,777.00	17,98,59,447.22	17,96,920.84	10,00,301.94	9,99,778.94	48,53,65,616.08	42,95,37,615.12
b) Additions during the year								-	-
c) Income from investments made of the funds (Interest from Autosweep)			5,16,312.00	6,50,800.00	16,104.00	15,083.00	15,049.00	12,13,348.00	-
d) Accrued interest on investments of the funds	1,53,60,211.00	8,72,400.00		69,49,613.00	81,972.00	37,570.00	37,570.00	2,33,39,336.00	2,35,87,821.96
e) Interest on Saving Bank a/c	1,51,284.00	39,035.00	15,571.00	2,01,250.00	3,896.00	3,911.00	3,911.00	4,18,858.00	13,70,087.00
f) Other additions (specify nature)								-	-
TDS 2018-19	-	96,985.00	-	7,72,180.00	9,108.00	4,175.00	4,175.00	8,86,623.00	10,58,872.00
TEQIP				45,067.00	45,067.00	45,067.00	45,067.00	1,80,268.00	-
R&C Cell & Project A/c				3,83,00,000.00				3,83,00,000.00	
Transfer from Institute-Capital Fund				70,81,35,802.37				70,81,35,802.37	
Employee Subscription	4,02,09,657.00	10,58,582.00	4,26,28,414.00					8,38,96,653.00	8,31,53,453.00
TOTAL (A)	32,78,92,686.00	1,91,33,858.14	5,56,31,074.00	93,49,14,159.59	19,53,067.84	11,06,107.94	11,05,550.94	1,34,17,36,504.45	53,87,07,849.08
B.									
Utilization/Expenditure towards objectives of funds									
i. Capital Expenditure								-	-

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Payment to Subscriber	5,30,97,985.00	50,64,250.00						5,81,62,235.00	2,80,36,191.00
Payment to NSDL			4,82,75,146.00					4,82,75,146.00	2,52,34,576.00
ii. Revenue Expenditure		567.57	84.00	67,184.00	1,668.00	1,564.00	1,561.00	72,628.57	71,466.00
Total (B)	5,30,97,985.00	50,64,817.57	4,82,75,230.00	67,184.00	1,668.00	1,564.00	1,561.00	10,65,10,009.57	5,33,42,233.00
Net Balance as At the Year End (A-B)	27,47,94,701.00	1,40,69,040.57	73,55,844.00	93,48,46,975.59	19,51,399.84	11,04,543.94	11,03,989.94	1,23,52,26,494.88	48,53,65,616.08
(Amount-Rs)									
FUND -WISE BREAK UP								Total	
Represented by:	GPF	CPF	NPS	Corpus Fund	Staff Development	Development/ Renewal Fund	Maintenance Fund	Current Year	Previous Year
Cash & Bank Balance	63,511.00	53,180.12	73,55,844.00	4,93,72,957.00	4,18,314.00	4,01,880.00	4,01,326.00	5,80,67,012.12	4,29,67,858.12
Investments	26,91,33,902.00	1,31,53,229.00	-	83,96,54,692.00	13,78,551.00	6,31,835.00	6,31,835.00	1,12,45,84,044.00	43,16,47,322.00
Interest accrued but not due	55,97,288.00	5,54,391.45	-	4,30,66,384.59	1,25,992.84	57,745.94	57,745.94	4,94,59,548.76	85,21,168.96
TDS	-	3,08,240.00	-	27,52,942.00	28,542.00	13,083.00	13,083.00	31,15,890.00	22,29,267.00
Net Balance as At the Year End (A-B)	27,47,94,701.00	1,40,69,040.57	73,55,844.00	93,48,46,975.59	19,51,399.84	11,04,543.94	11,03,989.94	1,23,52,26,494.88	48,53,65,616.08

SCHEDULE FORMING PART OF BALANCE SHEET
SCHEDULE 3 - CURRENT LIABILITIES & PROVISIONS

(Amount-Rs)

Particulars	Current Year	Previous Year
A. Current Liabilities		
1. Deposits from staff	-	-
2. Deposits from students	-	-
3. Sundry Creditors	-	-
a) For Goods & Services	-	-
b) Others (Refer Annexure B (1))	80,57,557.00	3,27,56,828.00
4. Deposit-Others(Including EMD, Security Deposit)	-	-
5. Statutory Liabilities (GPF,TDS,WC TAX,CPF,GIS,NPS):	-	-
a) Overdue	-	-
b) Others (Refer Annexure B (2))	15,76,689.00	27,78,329.00
6. Other current Liabilities	-	-
a) Salaries	-	-
b) Receipts against sponsored projects	-	-
c) Receipts against sponsored fellowships & scholarships (Refer Annexure B (3))	18,66,77,957.40	17,78,36,410.40
d) Unutilised Grants (Refer Annexure B(4))(B)	1,32,83,63,940.39	72,87,93,314.03
e) Grants in advance	-	-
f) Other funds (Refer Annexure B (5))	1,50,000.00	1,50,000.00
g) Other liabilities (Refer Annexure B (6))	10,73,99,705.61	16,25,08,604.20
TOTAL (A)	1,63,22,25,849.40	1,10,48,23,485.63
B. PROVISIONS		
1. For Taxation	-	-
2. Gratuity	2,48,520.00	-
3. Superannuation/Pension		
Acturial Provision on Pension	19,45,23,510.00	
Pension Pay	1,09,08,355.00	32,64,712.00

Pension Relief	13,94,868.00	55,90,547.00
Commuted Pension Payable	3,73,646.00	-
New Pension Scheme	17,73,909.00	10,58,258.00
4. Accumulated Leave Encashment		
Leave Encashment on LTC Other Staff	1,17,787.00	-
Retirement Leave Encashment Payable	2,07,100.00	-
5. Expenses payable (Refer Annexure B (7))	5,69,68,830.00	4,85,39,780.00
TOTAL (B)	26,65,16,525.00	5,84,53,297.00
TOTAL (A+B)	1,89,87,42,374.40	1,16,32,76,782.63

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS

B(1). SUNDRY CREDITORS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Receipts During the Year	Payments During the Year	Journal Entry	As at March 31, 2019	As at March 31, 2018
<u>INSTITUTE</u>	-					
Loan Account of PDTC & Industrial Estate	1,47,23,920.00	-	-		1,47,23,920.00	1,47,23,920.00
HEFA Loan			4,25,00,000.00		(4,25,00,000.00)	
<u>SUBSIDIARIES</u>						
Project Account - Transferable amount to R&C Cell	5,90,563.00	8,73,536.00	11,87,999.00		2,76,100.00	5,90,563.00
R&C Cell - Payable to RES, Bhadhoi	39,325.00				39,325.00	39,325.00
R&C Cell - Testing & Consultancy	1,74,03,020.00	5,36,81,287.00	3,82,67,493.00		3,28,16,814.00	1,74,03,020.00
R&C Cell -Unclaimed Deposits	-	27,01,398.00	-		27,01,398.00	-
TOTAL	3,27,56,828.00	5,72,56,221.00	8,19,55,492	-	80,57,557.00	3,27,56,828.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS

B(2). STATUTORY LIABILITIES-OTHERS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Receipts During the Year	Payments During the Year	As at March 31, 2019	As at March 31, 2018
Institute					
Income Tax	-	8,47,16,684.00	8,47,11,684.00	5,000.00	-
GST Payable	15,899.00	9,626.00	22,166.00	3,359.00	15,899.00
GST ITC		19,58,441.00	19,58,440.00	1.00	
Employees contribution to C.P.F	-	9,76,160.00	9,76,160.00	-	-
Employees contribution to N.P.S	-	3,73,99,430.00	3,73,99,430.00	-	-
GPF- contribution to employees	-	3,97,02,943.00	3,97,62,943.00	(60,000.00)	-
Subsidiaries					
Project Account - Income Tax	98,096.00	3,94,692.00	4,92,788.00	-	98,096.00
Project Account - GST	-	6,193.00	6,193.00	-	-
R&C Cell - Income Tax	23,74,200.00	57,94,654.00	81,68,854.00	-	23,74,200.00
R&C Cell - GST	2,63,352.00	97,46,633.00	84,08,461.00	16,01,524.00	2,63,352.00
Industrial Estate - GST	26,782.00	2,41,007.00	2,40,984.00	26,805.00	26,782.00
SNFCE - Income Tax	-	40,826.00	40,826.00	-	-
Total	27,78,329.00	18,09,87,289.00	18,21,88,929.00	15,76,689.00	27,78,329.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS

B(3). RECEIPTS AGAINST SPONSORED FELLOWSHIPS & SCHOLARSHIPS

(Amount in Rs.)

Head of Account	Opening balance as on 01/04/2018		Transaction during the year 2018-19		Closing balance as on 31/03/2019	
	Debit	Credit	Debit	Credit	Debit	Credit
Institute						
ICSSR - Fellowship (Doctoral)	-	1,59,489.00			-	1,59,489.00
NRSA Project - Satellite Data Compression Decomposition	-	2,18,279.00			-	2,18,279.00
QIP Stipend & Contingency	-	89,941.00		1,65,041.00	-	2,54,982.00
Outside Scholarship	-	77,88,505.40	56,92,206.00	67,81,275.00	-	88,77,574.40
U.G.C. Fellowship	-	74,564.00	-	20,000.00	-	94,564.00
AIEEE Scholarship	-	1,05,000.00	-		-	1,05,000.00
Subsidiaries						
Project Account :						
Project (Running)	-	9,14,66,344.00	4,74,67,623.00	4,94,16,837.00	-	9,34,15,558.00
Project (Deferred Grant)		7,79,34,288.00		54,62,224.00		8,33,96,512.00
R&C Cell (Deferred Grant)			3,71,081.00	5,27,080.00		1,55,999.00
Total	-	17,78,36,410.40	5,35,30,910.00	6,23,72,457.00	-	18,66,77,957.40

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS

B(5). OTHER CURRENT LIABILITIES- OTHER FUNDS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Receipts During the Year	Payments During the Year	As at March 31, 2019	As at March 31, 2018
Bal Bharti Vidyalaya (Const of Building)	1,50,000.00			1,50,000.00	1,50,000.00
Total	1,50,000.00	-	-	1,50,000.00	1,50,000.00

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS

B(6). OTHER CURRENT LIABILITIES- OTHER LIABILITIES

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Receipts During the Year	Payments During the Year	As at March 31, 2019	As at March 31, 2018
Cancelled Cheques	1,63,55,475.00	54,13,647.00	59,69,714.00	1,57,99,408.00	1,63,55,475.00
DST New Delhi/Inspire	4,92,725.00	11,13,132.00	10,97,831.00	5,08,026.00	4,92,725.00
Examination Fees	5,91,41,868.00	1,31,73,000.00	5,94,75,068.00	1,28,39,800.00	5,91,41,868.00
L.I.C.	4,40,111.70	3,67,695.00	3,67,695.00	4,40,111.70	4,40,111.70
M.Tech (Part Time)	44,09,976.00			44,09,976.00	44,09,976.00
Diety Programme	26,00,025.00	94,01,989.00	94,01,989.00	26,00,025.00	26,00,025.00
Other Liabilities (Misc. Receipt Transfer)	1,06,99,446.00	1,41,81,879.05	1,28,37,036.00	1,20,44,289.05	1,06,99,446.00
Caution Money	2,63,87,808.00	31,44,000.00	26,52,000.00	2,68,79,808.00	2,63,87,808.00
Earnest Money/ Security Money	1,06,37,183.00	23,37,935.00	5,28,944.00	1,24,46,174.00	1,06,37,183.00
Project Account Dean R & C	66,68,567.00	-	17,05,682.00	49,62,885.00	66,68,567.00
Gian Project	58,88,357.50	24,48,000.00	73,34,863.64	10,01,493.86	58,88,357.50
Payable to Industrial Estate on Account of TDS	1,09,398.00			1,09,398.00	1,09,398.00
LSDSS Project 2015	27,430.00			27,430.00	27,430.00
Prayag Project	538.00			538.00	538.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Stipend TEQIP II (R&C)	2,06,400.00	-	-	2,06,400.00	2,06,400.00
Library Security Money		6,00,000.00	-	6,00,000.00	
Prime Minister/Chief Minister Relief Fund		3,05,818.00	3,05,818.00	-	
SBI Loan Recovery		96,000.00	96,000.00	-	
Swayam		14,70,000.00	2,61,865.00	12,08,135.00	
Union Donation	-	87,500.00	87,500.00	-	-
SUBSIDIARIES					
Alumni Association - Amount Payable	50,67,565.00	-		50,67,565.00	50,67,565.00
Dean Academics - Cancelled Cheques	2,32,658.00	-	-	2,32,658.00	2,32,658.00
Industrial Estate - Expenses Payable	1,59,328.00	10,620.00	9,440.00	1,60,508.00	1,59,328.00
Project Account - Accounting Charges Payable	20,000.00	20,000.00	20,000.00	20,000.00	20,000.00
Project Account - Salary Payable	1,13,068.00			1,13,068.00	1,13,068.00
Project Account - MNNIT	87,21,325.00	-	70,03,974.00	17,17,351.00	87,21,325.00
Project Account - Receipt From Tequip	19,60,873.00			19,60,873.00	19,60,873.00
Project Account - Gian Course	1,77,000.00	-	1,77,000.00	-	1,77,000.00
Project Account - Fellowship Payable	10,48,296.00	-	-	10,48,296.00	10,48,296.00
R&C Cell - Cancelled Cheques	63,305.00			63,305.00	63,305.00
R&C Cell - Expenses Payable	85,052.00	20,05,236.00	19,54,730.00	1,35,558.00	85,052.00
SNFCE- Cancelled Cheque	60,600.00	1,800.00	-	62,400.00	60,600.00
TEQIP II- Expense Payable	16,827.00	-	-	16,827.00	16,827.00
Caution Money	4,22,655.00			4,22,655.00	4,22,655.00
Earnest Money/ Security Money	2,41,404.00			2,41,404.00	2,41,404.00
Security Received (Industrial Estate)	53,340.00			53,340.00	53,340.00
Total	16,25,08,604.20	5,61,78,251.05	11,12,87,149.64	10,73,99,705.61	16,25,08,604.20

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '3'

CURRENT LIABILITIES AND PROVISIONS

B(7). PROVISION- EXPENSES PAYABLE

(Amount in Rs.)

Particulars	As at March 31, 2019		As at March 31, 2018	
Salaries & Wages :				
Pay Direction & Teaching	2,59,84,350.00		2,14,90,257.00	
Pay Administrative Officer	11,33,500.00		12,25,800.00	
Pay Other Staff	50,35,850.00	3,21,53,700.00	55,55,700.00	2,82,71,757.00
Dearness Allowances:				
Direction & Teaching	46,77,183.00		10,74,513.00	
Administrative Officer	2,04,030.00		61,290.00	
Other Staff	9,06,453.00	57,87,666.00	2,77,785.00	14,13,588.00
HRA:				
Direction & Teaching	5,90,976.00		2,00,438.00	
Administrative Officer	80,016.00		47,306.00	
Other Staff	3,83,216.00	10,54,208.00	1,97,706.00	4,45,450.00
Transport Allowances:				
Direction & Teaching	7,78,768.00		6,67,966.00	
Administrative Officer	53,700.00		59,272.00	
Other Staff	2,77,182.00	11,09,650.00	2,82,976.00	10,10,214.00
Family Planning Incentive Allowance		8,500.00		15,610.00
Washing Allowance		-		7,740.00
Special Allowance		78,750.00		64,425.00
Deans Honorarium		21,000.00		14,000.00
Cash Handling Allowance		-		80.00
Medical Allowance		3,91,000.00		1,96,000.00
ARREARS				
Pay Revision - Teaching/ Non Teaching		1,06,643.00		-

Pensioners		20,278.00	9,835.00
C.A. Fees Payable		2,00,000.00	1,80,000.00
C.P.F. Payable		37,930.00	55,280.00
Electricity & Power Payable			
Institute		42,12,040.00	37,58,115.00
Colony		-	2,89,085.00
Hostel		-	17,34,515.00
Pay on Contractual Staff		79,80,560.00	65,80,701.00
Security Charges Payable		37,77,584.00	41,96,332.00
Telephone Expenses Payable		29,321.00	2,97,053.00
Total		5,69,68,830.00	4,85,39,780.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'B' OF SCH '3'

B(4). OTHER CURRENT LIABILITIES- UNUTILISED GRANTS

(Amount-Rs)

Particulars	Current Year	Previous Year
MHRD-GOI - HEAD - RECURRING (OH-31)		
Balance B/F	86,06,21,996.43	83,60,25,237.23
Add: Receipts during the year		
i. Donation/Grants	45,03,00,000.00	25,89,00,000.00
ii. Institute Receipts	35,36,75,215.00	35,79,95,060.00
TOTAL (a)	1,66,45,97,211.43	1,45,29,20,297.23
Less: Utilisation/Expenditure towards objectives of funds		
i. Capital Expenditure	2,23,89,878.00	-
ii. Revenue Expenditure	82,14,29,606.69	59,22,98,300.80
iii. Transfer to Grant OH-36 (Salary)	35,36,75,215.00	
Total (b)	1,19,74,94,699.69	59,22,98,300.80
Unutilised carried forward (a-b)	46,71,02,511.74	86,06,21,996.43
MHRD-GOI - HEAD - NON RECURRING (OH-35)		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Balance B/F	1,07,60,96,422.00	64,30,97,897.00
Add: Receipts during the year		
i. Donation/Grants	5,64,00,000.00	54,77,00,000.00
TOTAL (a)	1,13,24,96,422.00	1,19,07,97,897.00
Less: Utilisation/Expenditure towards objectives of funds		
i. Capital Expenditure	22,31,27,732.35	10,49,03,074.00
ii. Revenue Expenditure	4,81,07,261.00	97,98,401.00
TOTAL (b)	27,12,34,993.35	11,47,01,475.00
Unutilised carried forward (a-b)	86,12,61,428.65	1,07,60,96,422.00
MHRD-GOI -HEAD - SALARY (OH-36)		
Balance B/F (Excess Utilised)	1,20,79,25,104.40	1,07,38,40,499.00
Less: Receipts during the year		
i. Donation/Grants	1,13,61,00,000.00	46,18,00,000.00
ii. Transfer from Grant OH-31 (Recurring)	35,36,75,215.00	
iii. Transfer from Corpus/Capital Fund in terms of MHRD Letter No. Fno. 23011/02/2018-IF.I dated 25-10-2018	24,02,61,312.44	
SUB TOTAL (a)	(52,21,11,423.04)	61,20,40,499.00
Add: Utilisation/Expenditure towards objectives of funds		
i. Capital Expenditure	-	-
ii. Revenue Expenditure	52,21,11,423.04	59,58,84,605.40
SUB TOTAL (b)	52,21,11,423.04	59,58,84,605.40
Excess Utilised carried forward (a+b)	-	1,20,79,25,104.40
Net Unutilised Balance	1,32,83,63,940.39	72,87,93,314.03

SCHEDULE FORMING PART OF BALANCE SHEET

(Amount-Rs)

SCHEDULE 4-FIXED ASSETS (INSTITUTE)

Tangible Assets	Annex. no.	Depreciation Rate	Gross Block			Depreciation			Net Block	
			Opening Balance on 01.04.2018	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year(SLM)	Total up to the year-end	As at the current year ended 31.03.2019	As at the current year ended 31.03.2018
Institute										
1. Land			5,21,45,714.00		5,21,45,714.00		-		5,21,45,714.00	5,21,45,714.00
2. Buildings	C 1	2%- SLM	1,26,28,28,974.48	5,75,65,504.00	1,32,03,94,478.48	31,42,78,365.00	2,64,07,890.00	34,06,86,255.00	97,97,08,223.48	94,85,50,609.48
3.Plant, machinery and equipment	C 2	5%- SLM	70,37,45,655.19	26,74,051.00	70,64,19,706.19	39,22,87,200.00	3,53,20,987.00	42,76,08,187.00	27,88,11,519.19	31,14,58,455.19
4. Vehicles	C 3	10%- SLM	59,74,812.00	-	59,74,812.00	56,40,808.15	35,263.00	56,76,071.15	2,98,740.85	3,34,003.85
5. Furniture and fixtures	C 4	7.5%- SLM	15,77,37,349.00	74,32,208.00	16,51,69,557.00	10,40,72,210.30	84,47,966.00	11,25,20,176.30	5,26,49,380.70	5,36,65,138.70
6. Office equipment	C 5	7.5%- SLM	2,33,10,885.05	-	2,33,10,885.05	1,37,35,333.25	13,37,571.00	1,50,72,904.25	82,37,980.80	95,75,551.80
7. Computer peripherals	C 6	20%- SLM	24,51,88,072.90	26,71,199.00	24,78,59,271.90	21,08,23,019.25	1,33,42,294.00	22,41,65,313.25	2,36,93,958.65	3,43,65,053.65
8. Electric installations	C 7	5%- SLM	13,42,01,269.00	66,81,523.00	14,08,82,792.00	7,19,65,253.00	67,10,941.00	7,86,76,194.00	6,22,06,598.00	6,22,36,016.00
9. Library books	C 8	10%- SLM	19,22,99,535.00	38,01,666.00	19,61,01,201.00	17,87,40,187.55	8,52,209.00	17,95,92,396.55	1,65,08,804.45	1,35,59,347.45
10. Other fixed assets	C 9	7.5%- SLM	8,52,43,361.60	90,047.00	8,53,33,408.60	3,82,87,799.90	53,19,380.00	4,36,07,179.90	4,17,26,228.70	4,69,55,561.70
11. Tube wells and water supply	C 10	2%- SLM	57,80,593.00	-	57,80,593.00	9,05,370.00	1,15,612.00	10,20,982.00	47,59,611.00	48,75,223.00
Total (A)			2,86,84,56,221.22	8,09,16,198.00	2,94,93,72,419.22	1,33,07,35,546.40	9,78,90,113.00	1,42,86,25,659.40	1,52,07,46,759.82	1,53,77,20,674.82
Capital works in progress (B)	C 11		5,09,48,541.00	15,03,92,073.35	20,13,40,614.35				20,13,40,614.35	5,09,48,541.00
Total (B)			5,09,48,541.00	15,03,92,073.35	20,13,40,614.35	-	-	-	20,13,40,614.35	5,09,48,541.00
Intangible Assets (C)										
Computer Soft ware (Dep:40%)	C 12	40%- SLM	63,10,870.00	8,85,000.00	71,95,870.00	47,89,152.00	15,21,666.00	63,10,818.00	8,85,052.00	15,21,718.00
E-Journals (Dep: 40%)	C 13	40%- SLM	10,34,56,873.13	1,33,24,339.00	11,67,81,212.13	10,27,91,399.13	57,73,385.00	10,85,64,784.13	82,16,428.00	6,65,474.00
Total (C)			10,97,67,743.13	1,42,09,339.00	12,39,77,082.13	10,75,80,551.13	72,95,051.00	11,48,75,602.13	91,01,480.00	21,87,192.00
Grand Total (A+B+C)			3,02,91,72,505.35	24,55,17,610.35	3,27,46,90,115.70	1,43,83,16,097.53	10,51,85,164.00	1,54,35,01,261.53	1,73,11,88,854.17	1,59,08,56,407.82

SCHEDULE FORMING PART OF BALANCE SHEET

(Amount-Rs)

SCHEDULE 4-FIXED ASSETS (SUBSIDIARY)

Tangible Assets	Annexure no.	Depreciation Rate	GROSS BLOCK			DEPRECIATION			NET BLOCK	
			Opening Balance on 01.04.2018	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year(SLM)	Total up to the year-end	As at the current year ended 31.03.2019	As at the current year ended 31.03.2018
Institute										
1. Land			-		-		-		-	-
2. Buildings	C 1	2%- SLM	-	-	-	-	-	-	-	-
3.Plant, machinery & equipment	C 2	5%- SLM	7,90,31,687.00	37,80,114.00	8,28,11,801.00	1,08,82,459.00	41,40,590.00	1,50,23,049.00	6,77,88,752.00	6,81,49,228.00
4. Vehicles	C 3	10%- SLM	-		-	-	-	-	-	-
5. Furniture and fixtures	C 4	7.5%- SLM	9,76,124.61	30,950.00	10,07,074.61	2,15,660.00	75,531.00	2,91,191.00	7,15,883.61	7,60,464.61
6. Office equipment	C 5	7.5%- SLM	1,73,63,314.00		1,73,63,314.00	19,41,566.00	13,02,250.00	32,43,816.00	1,41,19,498.00	1,54,21,748.00
7. Computer peripherals	C 6	20%- SLM	2,74,41,168.64	13,36,698.00	2,87,77,866.64	1,54,62,077.00	57,55,574.00	2,12,17,651.00	75,60,215.64	1,19,79,091.64
8. Electric installations	C 7	5%- SLM	55,15,959.00	6,45,400.00	61,61,359.00	4,62,723.00	3,08,069.00	7,70,792.00	53,90,567.00	50,53,236.00
9. Library books	C 8	10%- SLM	1,47,98,230.00		1,47,98,230.00	44,18,423.00	14,79,823.00	58,98,246.00	88,99,984.00	1,03,79,807.00
10. Other fixed assets	C 9	7.5%- SLM	10,38,717.00	13,710.00	10,52,427.00	2,33,712.00	78,932.00	3,12,644.00	7,39,783.00	8,05,005.00
11. Tube wells and water supply	C 10	2%- SLM	-	-	-	-	-	-	-	-
Total			14,61,65,200.25	58,06,872.00	15,19,72,072.25	3,36,16,620.00	1,31,40,769.00	4,67,57,389.00	10,52,14,683.25	11,25,48,580.25

SCHEDULE 4-FIXED ASSETS (SUBSIDIARY & INSTITUTE)

Total Assets	Gross Block			Depreciation			Net Block	
	Opening Balance on 01.04.2018	Additions/ (Deductions) during the year	Closing Balance	As at the beginning of the year	During the year(SLM)	Total up to the year end	As at the current year ended 31.03.2019	As at the current year ended 31.03.2018
Tangible Assets:								
Institute	2,86,84,56,221.22	8,09,16,198.00	2,94,93,72,419.22	1,33,07,35,546.40	9,78,90,113.00	1,42,86,25,659.40	1,52,07,46,759.82	1,53,77,20,674.82
Subsidiary	14,61,65,200.25	58,06,872.00	15,19,72,072.25	3,36,16,620.00	1,31,40,769.00	4,67,57,389.00	10,52,14,683.25	11,25,48,580.25
Total (A)	3,01,46,21,421.47	8,67,23,070.00	3,10,13,44,491.47	1,36,43,52,166.40	11,10,30,882.00	1,47,53,83,048.40	1,62,59,61,443.07	1,65,02,69,255.07
Capital works in progress (Institute) (B)	5,09,48,541.00	15,03,92,073.35	20,13,40,614.35	-	-	-	20,13,40,614.35	5,09,48,541.00
Intangible Assets (Institute) (C)	10,97,67,743.13	1,42,09,339.00	12,39,77,082.13	10,75,80,551.13	72,95,051.00	11,48,75,602.13	91,01,480.00	21,87,192.00
Total (A+B+C)	3,17,53,37,705.60	25,13,24,482.35	3,42,66,62,187.95	1,47,19,32,717.53	11,83,25,933.00	1,59,02,58,650.53	1,83,64,03,537.42	1,70,34,04,988.07

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (1). BUILDINGS

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation			Net Block	
		Opening Balance on 01.04.2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year 18-19	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
<u>Assets out of Capital Fund:</u>	2%- SLM								
Upto the year 13-14		1,20,08,90,348.48	-	1,20,08,90,348.48	31,03,23,394.00	2,40,17,807.00	33,43,41,201.00	86,65,49,147.48	89,05,66,954.48
During the year 2014-15		2,68,19,631.00	-	2,68,19,631.00	21,45,572.00	5,36,393.00	26,81,965.00	2,41,37,666.00	2,46,74,059.00
During the year 2015-16		1,83,85,669.00	-	1,83,85,669.00	11,03,139.00	3,67,713.00	14,70,852.00	1,69,14,817.00	1,72,82,530.00
During the year 2016-17		1,66,04,351.00	-	1,66,04,351.00	6,64,174.00	3,32,087.00	9,96,261.00	1,56,08,090.00	1,59,40,177.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

During the year 2018-19			5,75,65,504.00	5,75,65,504.00	-	11,51,310.00	11,51,310.00	5,64,14,194.00	-
Sub Total		1,26,26,99,999.48	5,75,65,504.00	1,32,02,65,503.48	31,42,36,279.00	2,64,05,310.00	34,06,41,589.00	97,96,23,914.48	94,84,63,720.48
<u>Assets out of Institute Receipts</u>	2%- SLM								
Upto the year 2013-14		1,28,975.00	-	1,28,975.00	42,086.00	2,580.00	44,666.00	84,309.00	86,889.00
Sub Total		1,28,975.00	-	1,28,975.00	42,086.00	2,580.00	44,666.00	84,309.00	86,889.00
Total		1,26,28,28,974.48	5,75,65,504.00	1,32,03,94,478.48	31,42,78,365.00	2,64,07,890.00	34,06,86,255.00	97,97,08,223.48	94,85,50,609.48

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (2). PLANT, MACHINERY & EQUIPMENT

(Amount in Rs.)

Description	Depreciation Rate	Gross Block		Depreciation			Net Block	
		As at April 01, 2018	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Capital Fund:	5%- SLM					-	-	-
Upto the year 2013-14		48,42,92,853.19	48,42,92,853.19	35,38,38,064.00	2,42,14,643.00	37,80,52,707.00	10,62,40,146.19	13,04,54,789.19
During the year 2014-15		13,02,11,152.00	13,02,11,152.00	2,60,42,232.00	65,10,558.00	3,25,52,790.00	9,76,58,362.00	10,41,68,920.00
During the year 2015-16		7,52,11,037.00	7,52,11,037.00	1,12,81,656.00	37,60,552.00	1,50,42,208.00	6,01,68,829.00	6,39,29,381.00
During the year 2016-17		69,11,682.00	69,11,682.00	6,91,168.00	3,45,584.00	10,36,752.00	58,74,930.00	62,20,514.00
During the year 2017-18		69,63,451.00	69,63,451.00	3,48,173.00	3,48,173.00	6,96,346.00	62,67,105.00	66,15,278.00
During the year 2018-19			26,74,051.00	-	1,33,703.00	1,33,703.00	25,40,348.00	
Sub Total		70,35,90,175.19	70,62,64,226.19	39,22,01,293.00	3,53,13,213.00	42,75,14,506.00	27,87,49,720.19	31,13,88,882.19
<u>Assets out of Institute Receipts</u>	5%- SLM							
Upto the year 2013-14		1,55,480.00	1,55,480.00	85,907.00	7,774.00	93,681.00	61,799.00	69,573.00
Sub Total		1,55,480.00	1,55,480.00	85,907.00	7,774.00	93,681.00	61,799.00	69,573.00
Total		70,37,45,655.19	70,64,19,706.19	39,22,87,200.00	3,53,20,987.00	42,76,08,187.00	27,88,11,519.19	31,14,58,455.19

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Description	Depreciation Rate	Gross Block			Depreciation			Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Subsidiaries Fund	5%- SLM								
TEQIP II									
Upto the year 2013-14		65,76,788.00		65,76,788.00	9,86,517.00	3,28,839.00	13,15,356.00	52,61,432.00	55,90,271.00
During the year 2014-15		52,37,939.00		52,37,939.00	7,85,691.00	2,61,897.00	10,47,588.00	41,90,351.00	44,52,248.00
During the year 2016-17		26,21,943.00		26,21,943.00	2,62,194.00	1,31,097.00	3,93,291.00	22,28,652.00	23,59,749.00
During the year 2017-18		20,80,498.00	-	20,80,498.00	1,04,025.00	1,04,025.00	2,08,050.00	18,72,448.00	19,76,473.00
Sub Total		1,65,17,168.00	-	1,65,17,168.00	21,38,427.00	8,25,858.00	29,64,285.00	1,35,52,883.00	1,43,78,741.00
Dean Academic Affairs									
Upto the year 2013-14		15,380.00		15,380.00	2,307.00	769.00	3,076.00	12,304.00	13,073.00
Sub Total		15,380.00	-	15,380.00	2,307.00	769.00	3,076.00	12,304.00	13,073.00
Project Account									
Upto the year 2013-14		4,21,25,805.00		4,21,25,805.00	63,18,872.00	21,06,290.00	84,25,162.00	3,37,00,643.00	3,58,06,933.00
During the year 2014-15		55,00,859.00		55,00,859.00	8,25,129.00	2,75,043.00	11,00,172.00	44,00,687.00	46,75,730.00
During the year 2015-16		45,19,929.00		45,19,929.00	6,77,988.00	2,25,996.00	9,03,984.00	36,15,945.00	38,41,941.00
During the year 2016-17		45,92,746.00		45,92,746.00	4,59,274.00	2,29,637.00	6,88,911.00	39,03,835.00	41,33,472.00
During the year 2017-18		39,46,375.00	-	39,46,375.00	1,97,319.00	1,97,319.00	3,94,638.00	35,51,737.00	37,49,056.00
During the year 2018-19			37,80,114.00	37,80,114.00	-	1,89,006.00	1,89,006.00	35,91,108.00	-
Sub Total		6,06,85,714.00	37,80,114.00	6,44,65,828.00	84,78,582.00	32,23,291.00	1,17,01,873.00	5,27,63,955.00	5,22,07,132.00
R&C Cell									
Upto the year 2013-14		16,07,475.00		16,07,475.00	2,41,122.00	80,374.00	3,21,496.00	12,85,979.00	13,66,353.00
During the year 2015-16		28,500.00		28,500.00	4,275.00	1,425.00	5,700.00	22,800.00	24,225.00
During the year 2016-17		1,77,450.00		1,77,450.00	17,746.00	8,873.00	26,619.00	1,50,831.00	1,59,704.00
Sub Total		18,13,425.00	-	18,13,425.00	2,63,143.00	90,672.00	3,53,815.00	14,59,610.00	15,50,282.00
Total		7,90,31,687.00	37,80,114.00	8,28,11,801.00	1,08,82,459.00	41,40,590.00	1,50,23,049.00	6,77,88,752.00	6,81,49,228.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (3). VEHICLES

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjustment during the year	As at March 31, 2019	As at March 31, 2018	
Assets out of Capital Fund:	10%- SLM									
Upto the year 2013-14 (Residual Value < 5%)		44,34,457.00	-	44,34,457.00	42,12,734.15	-		42,12,734.15	2,21,722.85	2,21,722.85
Upto the year 2013-14		15,40,355.00	-	15,40,355.00	14,28,074.00	35,263.00	-	14,63,337.00	77,018.00	1,12,281.00
Sub Total		59,74,812.00	-	59,74,812.00	56,40,808.15	35,263.00	-	56,76,071.15	2,98,740.85	3,34,003.85
Total		59,74,812.00	-	59,74,812.00	56,40,808.15	35,263.00	-	56,76,071.15	2,98,740.85	3,34,003.85

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (4). FURNITURE & FIXTURES

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018	
Assets out of Capital Fund:	7.5%- SLM								-	
Upto the year 2013-14 (Residual Value <=5%)		5,25,30,034.00	-	5,25,30,034.00	4,99,03,532.30	-		4,99,03,532.30	26,26,501.70	26,26,501.70
Upto the year 2013-14		6,27,26,460.00		6,27,26,460.00	4,37,15,115.00	47,04,485.00		4,84,19,600.00	1,43,06,860.00	1,90,11,345.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

During the year 2014-15		2,65,20,319.00		2,65,20,319.00	79,56,093.00	19,89,024.00	99,45,117.00	1,65,75,202.00	1,85,64,226.00
During the year 2015-16		40,52,263.00		40,52,263.00	9,11,760.00	3,03,920.00	12,15,680.00	28,36,583.00	31,40,503.00
During the year 2016-17		14,26,648.00		14,26,648.00	2,13,998.00	1,06,999.00	3,20,997.00	11,05,651.00	12,12,650.00
During the year 2017-18		97,31,449.00	-	97,31,449.00	7,29,859.00	7,29,859.00	14,59,718.00	82,71,731.00	90,01,590.00
During the year 2018-19			74,32,208.00	74,32,208.00	-	5,57,416.00	5,57,416.00	68,74,792.00	-
Sub Total		15,69,87,173.00	74,32,208.00	16,44,19,381.00	10,34,30,357.30	83,91,703.00	11,18,22,060.30	5,25,97,320.70	5,35,56,815.70
Assets out of Institute Receipts	7.5%- SLM								
Upto the year 2013-14		7,50,176.00	-	7,50,176.00	6,41,853.00	56,263.00	6,98,116.00	52,060.00	1,08,323.00
Sub Total		7,50,176.00	-	7,50,176.00	6,41,853.00	56,263.00	6,98,116.00	52,060.00	1,08,323.00
Total		15,77,37,349.00	74,32,208.00	16,51,69,557.00	10,40,72,210.30	84,47,966.00	11,25,20,176.30	5,26,49,380.70	5,36,65,138.70

Description	Depreciation Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjustment during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Subsidiaries Fund	7.5%- SLM									
Alumni Association										
During the year 14-15		52,977.61		52,977.61	11,919.00	3,973.00		15,892.00	37,085.61	41,058.61
During the year 15-16		2,74,210.00		2,74,210.00	61,698.00	20,566.00		82,264.00	1,91,946.00	2,12,512.00
During the year 18-19			30,950.00	30,950.00	-	2,321.00		2,321.00	28,629.00	-
Sub Total		3,27,187.61	30,950.00	3,58,137.61	73,617.00	26,860.00	-	1,00,477.00	2,57,660.61	2,53,570.61
Project Account										
Upto the year 13-14		3,00,307.00		3,00,307.00	67,569.00	22,523.00		90,092.00	2,10,215.00	2,32,738.00
During the year 15-16		11,000.00		11,000.00	2,475.00	825.00		3,300.00	7,700.00	8,525.00
Sub Total		3,11,307.00	-	3,11,307.00	70,044.00	23,348.00	-	93,392.00	2,17,915.00	2,41,263.00
R&C Cell										
Upto the year 13-14		65,806.00		65,806.00	14,805.00	4,935.00		19,740.00	46,066.00	51,001.00
During the year 14-15		1,33,568.00		1,33,568.00	30,054.00	10,018.00		40,072.00	93,496.00	1,03,514.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

During the year 17-18		26,460.00	-	26,460.00	1,985.00	1,985.00		3,970.00	22,490.00	24,475.00
Sub Total		2,25,834.00	-	2,25,834.00	46,844.00	16,938.00	-	63,782.00	1,62,052.00	1,78,990.00
Dean Academic										
During the year 15-16		45,561.00		45,561.00	10,251.00	3,417.00		13,668.00	31,893.00	35,310.00
Sub Total		45,561.00	-	45,561.00	10,251.00	3,417.00	-	13,668.00	31,893.00	35,310.00
School of Non Formal Continuing Education (SNFCE)										
Upto the year 13-14		66,235.00		66,235.00	14,904.00	4,968.00		19,872.00	46,363.00	51,331.00
Sub Total		66,235.00	-	66,235.00	14,904.00	4,968.00	-	19,872.00	46,363.00	51,331.00
Total		9,76,124.61	30,950.00	10,07,074.61	2,15,660.00	75,531.00	-	2,91,191.00	7,15,883.61	7,60,464.61

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (5). OFFICE EQUIPMENT

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation				Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Capital Fund:	7.5%- SLM							-	-	-
Upto the year 2013-14 (Residual Value <= 5%)		54,76,615.00	-	54,76,615.00	52,02,784.25	-	-	52,02,784.25	2,73,830.75	2,73,830.75
Upto the year 2013-14		1,14,13,424.05	-	1,14,13,424.05	72,12,897.00	8,56,007.00	-	80,68,904.00	33,44,520.05	42,00,527.05
During the year 2014-15		17,98,820.00	-	17,98,820.00	5,39,645.00	1,34,912.00	-	6,74,557.00	11,24,263.00	12,59,175.00
During the year 2015-16		8,58,774.00	-	8,58,774.00	1,93,224.00	64,408.00	-	2,57,632.00	6,01,142.00	6,65,550.00
During the year 2016-17		36,27,461.00		36,27,461.00	5,44,120.00	2,72,060.00	-	8,16,180.00	28,11,281.00	30,83,341.00
During the year 2017-18		82,750.00	-	82,750.00	6,206.00	6,206.00		12,412.00	70,338.00	76,544.00
During the year 2018-19			-	-	-	-		-	-	-
Sub Total		2,32,57,844.05	-	2,32,57,844.05	1,36,98,876.25	13,33,593.00	-	1,50,32,469.25	82,25,374.80	95,58,967.80

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Assets out of Institute Receipts	7.5%-SLM									
Upto the year 2013-14		53,041.00	-	53,041.00	36,457.00	3,978.00	-	40,435.00	12,606.00	16,584.00
Sub Total		53,041.00	-	53,041.00	36,457.00	3,978.00	-	40,435.00	12,606.00	16,584.00
Total		2,33,10,885.05	-	2,33,10,885.05	1,37,35,333.25	13,37,571.00	-	1,50,72,904.25	82,37,980.80	95,75,551.80

Description	Depreciation Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjustment during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Subsidiaries Fund	7.5%-SLM									
Dean Academic Affairs										
Upto the year 2013-14		76,070.00		76,070.00	17,115.00	5,705.00		22,820.00	53,250.00	58,955.00
During the year 2016-17		2,72,900.00	-	2,72,900.00	40,936.00	20,468.00		61,404.00	2,11,496.00	2,31,964.00
Sub Total		3,48,970.00	-	3,48,970.00	58,051.00	26,173.00	-	84,224.00	2,64,746.00	2,90,919.00
Nodal Centre										
Upto the year 2013-14		62,405.00		62,405.00	14,040.00	4,680.00		18,720.00	43,685.00	48,365.00
Sub Total		62,405.00	-	62,405.00	14,040.00	4,680.00	-	18,720.00	43,685.00	48,365.00
R&C Cell										
Upto the year 2013-14		69,243.00		69,243.00	15,579.00	5,193.00		20,772.00	48,471.00	53,664.00
Sub Total		69,243.00	-	69,243.00	15,579.00	5,193.00	-	20,772.00	48,471.00	53,664.00
Dean Academic Affairs										
Upto the year 2013-14		52,520.00		52,520.00	11,817.00	3,939.00		15,756.00	36,764.00	40,703.00
During the year 2014-15		97,650.00		97,650.00	21,972.00	7,324.00		29,296.00	68,354.00	75,678.00
During the year 2015-16		2,29,450.00		2,29,450.00	51,627.00	17,209.00		68,836.00	1,60,614.00	1,77,823.00
Sub Total		3,79,620.00	-	3,79,620.00	85,416.00	28,472.00	-	1,13,888.00	2,65,732.00	2,94,204.00
Tequip II										
During the year 2015-16		92,398.00		92,398.00	20,790.00	6,930.00		27,720.00	64,678.00	71,608.00
During the year 2016-17		63,12,474.00		63,12,474.00	9,46,872.00	4,73,436.00		14,20,308.00	48,92,166.00	53,65,602.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

During the year 2017-18		98,08,530.00	-	98,08,530.00	7,35,640.00	7,35,640.00		14,71,280.00	83,37,250.00	90,72,890.00
Sub Total		1,62,13,402.00	-	1,62,13,402.00	17,03,302.00	12,16,006.00	-	29,19,308.00	1,32,94,094.00	1,45,10,100.00
Student Welfare Fund										
Upto the year 2013-14		2,89,674.00		2,89,674.00	65,178.00	21,726.00		86,904.00	2,02,770.00	2,24,496.00
Sub Total		2,89,674.00	-	2,89,674.00	65,178.00	21,726.00	-	86,904.00	2,02,770.00	2,24,496.00
TOTAL		1,73,63,314.00	-	1,73,63,314.00	19,41,566.00	13,02,250.00	-	32,43,816.00	1,41,19,498.00	1,54,21,748.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (6). COMPUTER & PERIPHERALS

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2018	
Assets out of Capital Fund:	20%- SLM									
Upto the year 13-14 (Residual Value <= 5%)		7,13,28,288.00	-	7,13,28,288.00	6,77,61,873.60	-		6,77,61,873.60	35,66,414.40	35,66,414.40
Upto the year 2013-14		9,69,75,819.90		9,69,75,819.90	9,21,27,028.90			9,21,27,028.90	48,48,791.00	48,48,791.00
During the year 2014-15		4,60,49,592.00		4,60,49,592.00	3,68,39,672.00	69,07,440.00		4,37,47,112.00	23,02,480.00	92,09,920.00
During the year 2015-16		1,33,09,412.00		1,33,09,412.00	79,85,646.00	26,61,882.00		1,06,47,528.00	26,61,884.00	53,23,766.00
During the year 2016-17		80,26,633.00		80,26,633.00	32,10,654.00	16,05,327.00		48,15,981.00	32,10,652.00	48,15,979.00
During the year		81,67,023.00	-	81,67,023.00	16,33,405.00	16,33,405.00		32,66,810.00	49,00,213.00	65,33,618.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

2017-18										
During the year 2018-19			26,71,199.00	26,71,199.00	-	5,34,240.00		5,34,240.00	21,36,959.00	-
Sub Total		24,38,56,767.90	26,71,199.00	24,65,27,966.90	20,95,58,279.50	1,33,42,294.00	-	22,29,00,573.50	2,36,27,393.40	3,42,98,488.40
Assets out of Institute Receipts	20%- SLM									
Upto the year 13-14 (Residual Value <= 5%)		13,31,305.00	-	13,31,305.00	12,64,739.75	-		12,64,739.75	66,565.25	66,565.25
Sub Total		13,31,305.00	-	13,31,305.00	12,64,739.75	-	-	12,64,739.75	66,565.25	66,565.25
TOTAL		24,51,88,072.90	26,71,199.00	24,78,59,271.90	21,08,23,019.25	1,33,42,294.00	-	22,41,65,313.25	2,36,93,958.65	3,43,65,053.65

Description	Deprt. Rate	Gross Block			Depreciation				Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjst. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
<u>Assets out of Subsidiaries Fund</u>	20%- SLM									
Alumni Association										
Upto the year 2013-14		65,193.00		65,193.00	39,117.00	13,039.00		52,156.00	13,037.00	26,076.00
During the year 2014-15		27,965.64		27,965.64	16,779.00	5,593.00		22,372.00	5,593.64	11,186.64
During the year 2015-16		2,69,632.00		2,69,632.00	1,61,778.00	53,926.00		2,15,704.00	53,928.00	1,07,854.00
During the year 2016-17				-				-	-	-
Sub Total		3,62,790.64	-	3,62,790.64	2,17,674.00	72,558.00	-	2,90,232.00	72,558.64	1,45,116.64
Dean Academic Affairs										
Upto the year 2013-14		34,500.00		34,500.00	20,700.00	6,900.00		27,600.00	6,900.00	13,800.00
During the year 2015-16		17,775.00		17,775.00	10,665.00	3,555.00		14,220.00	3,555.00	7,110.00
During the year 2016-17		8,655.00		8,655.00	3,462.00	1,731.00		5,193.00	3,462.00	5,193.00
During the year 2018-19			1,11,319.00	1,11,319.00	-	22,264.00		22,264.00	89,055.00	-

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Sub Total		60,930.00	1,11,319.00	1,72,249.00	34,827.00	34,450.00	-	69,277.00	1,02,972.00	26,103.00
Industrial Estate										
Upto the year 2013-14		43,877.00		43,877.00	26,325.00	8,775.00		35,100.00	8,777.00	17,552.00
During the year 2015-16		14,495.00		14,495.00	8,697.00	2,899.00		11,596.00	2,899.00	5,798.00
Sub Total		58,372.00	-	58,372.00	35,022.00	11,674.00	-	46,696.00	11,676.00	23,350.00
Nodal Centre										
Upto the year 2013-14		85,306.00		85,306.00	51,183.00	17,061.00		68,244.00	17,062.00	34,123.00
Sub Total		85,306.00	-	85,306.00	51,183.00	17,061.00	-	68,244.00	17,062.00	34,123.00
Project Account										
Upto the year 2013-14		65,55,940.00		65,55,940.00	39,33,564.00	13,11,188.00		52,44,752.00	13,11,188.00	26,22,376.00
During the year 2014-15		3,11,440.00		3,11,440.00	1,86,864.00	62,288.00		2,49,152.00	62,288.00	1,24,576.00
During the year 2015-16		1,09,394.00		1,09,394.00	65,637.00	21,879.00		87,516.00	21,878.00	43,757.00
During the year 2016-17		28,12,318.00		28,12,318.00	11,24,928.00	5,62,464.00		16,87,392.00	11,24,926.00	16,87,390.00
During the year 2017-18		10,96,074.00		10,96,074.00	2,19,215.00	2,19,215.00		4,38,430.00	6,57,644.00	8,76,859.00
During the year 2018-19			10,36,710.00	10,36,710.00	-	2,07,342.00		2,07,342.00	8,29,368.00	-
Sub Total		1,08,85,166.00	10,36,710.00	1,19,21,876.00	55,30,208.00	23,84,376.00	-	79,14,584.00	40,07,292.00	53,54,958.00
R&C Cell										
Upto the year 2013-14		1,58,12,923.00		1,58,12,923.00	94,87,755.00	31,62,585.00		1,26,50,340.00	31,62,583.00	63,25,168.00
During the year 2014-15		21,131.00		21,131.00	12,678.00	4,226.00		16,904.00	4,227.00	8,453.00
During the year 2015-16		1,54,550.00		1,54,550.00	92,730.00	30,910.00		1,23,640.00	30,910.00	61,820.00
During the year 2018-19			1,88,669.00	1,88,669.00	-	37,734.00		37,734.00	1,50,935.00	-
Sub Total		1,59,88,604.00	1,88,669.00	1,61,77,273.00	95,93,163.00	32,35,455.00	-	1,28,28,618.00	33,48,655.00	63,95,441.00
Total		2,74,41,168.64	13,36,698.00	2,87,77,866.64	1,54,62,077.00	57,55,574.00	-	2,12,17,651.00	75,60,215.64	1,19,79,091.64

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (7). ELECTRIC INSTALLATIONS

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation				Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Capital Fund:	5%-SLM									
Upto the year 13-14 (Residual Value <= 5%)		66,63,970.00	-	66,63,970.00	63,30,771.00		-	63,30,771.00	3,33,199.00	3,33,199.00
Upto the year 2013-14		10,21,54,196.00		10,21,54,196.00	6,38,78,742.00	51,07,710.00	-	6,89,86,452.00	3,31,67,744.00	3,82,75,454.00
During the year 2014-15		5,68,883.00		5,68,883.00	1,13,776.00	28,444.00	-	1,42,220.00	4,26,663.00	4,55,107.00
During the year 2015-16		12,60,341.00		12,60,341.00	1,89,051.00	63,017.00	-	2,52,068.00	10,08,273.00	10,71,290.00
During the year 2016-17		22,10,220.00		22,10,220.00	2,21,022.00	1,10,511.00	-	3,31,533.00	18,78,687.00	19,89,198.00
During the year 2017-18		2,11,16,559.00	-	2,11,16,559.00	10,55,828.00	10,55,828.00		21,11,656.00	1,90,04,903.00	2,00,60,731.00
During the year 2018-19			66,81,523.00	66,81,523.00		3,34,076.00		3,34,076.00	63,47,447.00	-
Sub Total		13,39,74,169.00	66,81,523.00	14,06,55,692.00	7,17,89,190.00	66,99,586.00	-	7,84,88,776.00	6,21,66,916.00	6,21,84,979.00
Assets out of Institute Receipts	5%-SLM									
Upto the year		2,27,100.00	-	2,27,100.00	1,76,063.00	11,355.00	-	1,87,418.00	39,682.00	51,037.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

2013-14										
Sub Total		2,27,100.00	-	2,27,100.00	1,76,063.00	11,355.00	-	1,87,418.00	39,682.00	51,037.00
Total		13,42,01,269.00	66,81,523.00	14,08,82,792.00	7,19,65,253.00	67,10,941.00	-	7,86,76,194.00	6,22,06,598.00	6,22,36,016.00

Description	Depreciation Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2018	
Assets out of Subsidiaries Fund	5%-SLM									
Project Account										
Upto the year 2013-14		3,62,271.00		3,62,271.00	54,340.00	18,114.00		72,454.00	2,89,817.00	3,07,931.00
During the year 2014-15		1,88,874.00		1,88,874.00	28,332.00	9,444.00		37,776.00	1,51,098.00	1,60,542.00
During the year 2016-17		18,34,154.00		18,34,154.00	1,83,416.00	91,708.00		2,75,124.00	15,59,030.00	16,50,738.00
During the year 2017-18		27,29,648.00	-	27,29,648.00	1,36,482.00	1,36,482.00		2,72,964.00	24,56,684.00	25,93,166.00
During the year 2018-19			6,45,400.00	6,45,400.00	-	32,270.00		32,270.00	6,13,130.00	
Sub Total		51,14,947.00	6,45,400.00	57,60,347.00	4,02,570.00	2,88,018.00	-	6,90,588.00	50,69,759.00	47,12,377.00
R&C Cell										
Upto the year 2013-14		18,775.00		18,775.00	2,817.00	939.00		3,756.00	15,019.00	15,958.00
During the year 2014-15		89,962.00		89,962.00	13,494.00	4,498.00		17,992.00	71,970.00	76,468.00
Sub Total		1,08,737.00	-	1,08,737.00	16,311.00	5,437.00	-	21,748.00	86,989.00	92,426.00
Dean Academics										
During the year 2015-16		1,68,355.00		1,68,355.00	25,254.00	8,418.00		33,672.00	1,34,683.00	1,43,101.00
Sub Total		1,68,355.00	-	1,68,355.00	25,254.00	8,418.00	-	33,672.00	1,34,683.00	1,43,101.00
Student Welfare Fund										
Upto the year 2013-14		1,23,920.00		1,23,920.00	18,588.00	6,196.00		24,784.00	99,136.00	1,05,332.00
Sub Total		1,23,920.00	-	1,23,920.00	18,588.00	6,196.00	-	24,784.00	99,136.00	1,05,332.00
Total		55,15,959.00	6,45,400.00	61,61,359.00	4,62,723.00	3,08,069.00	-	7,70,792.00	53,90,567.00	50,53,236.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C (8). LIBRARY BOOKS

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2018	
Assets out of Capital Fund:	10%- SLM									
Upto the year 13-14 (Residual Value <= 5%)		5,27,64,729.00	-	5,27,64,729.00	5,01,26,492.55	-		5,01,26,492.55	26,38,236.45	26,38,236.45
Upto the year 2013-14		13,17,24,709.00	-	13,17,24,709.00	12,51,38,474.00	-		12,51,38,474.00	65,86,235.00	65,86,235.00
During the year 2014-15		2,26,609.00	-	2,26,609.00	90,644.00	22,661.00		1,13,305.00	1,13,304.00	1,35,965.00
During the year 2017-18		44,93,808.00	-	44,93,808.00	4,49,381.00	4,49,381.00		8,98,762.00	35,95,046.00	40,44,427.00
During the year 2018-19			38,01,666.00	38,01,666.00	-	3,80,167.00		3,80,167.00	34,21,499.00	-
Sub Total		18,92,09,855.00	38,01,666.00	19,30,11,521.00	17,58,04,991.55	8,52,209.00	-	17,66,57,200.55	1,63,54,320.45	1,34,04,863.45
Assets out of Institute Receipts	10%- SLM									
Upto the year 2013-14		30,89,680.00	-	30,89,680.00	29,35,196.00			29,35,196.00	1,54,484.00	1,54,484.00
Sub Total		30,89,680.00	-	30,89,680.00	29,35,196.00	-	-	29,35,196.00	1,54,484.00	1,54,484.00
TOTAL		19,22,99,535.00	38,01,666.00	19,61,01,201.00	17,87,40,187.55	8,52,209.00	-	17,95,92,396.55	1,65,08,804.45	1,35,59,347.45

Description	Depreciation rate	Gross Block			Depreciation				Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
<u>Assets out of Subsidiaries Fund</u>	10%-SLM									-
Project Account										
Upto the year 2013-14		7,15,863.00		7,15,863.00	2,14,758.00	71,586.00		2,86,344.00	4,29,519.00	5,01,105.00
During the year 2014-15		75,588.00		75,588.00	22,677.00	7,559.00		30,236.00	45,352.00	52,911.00
During the year 2015-16		30,469.00		30,469.00	9,141.00	3,047.00		12,188.00	18,281.00	21,328.00
During the year 2016-17		20,000.00		20,000.00	4,000.00	2,000.00		6,000.00	14,000.00	16,000.00
During the year 2017-18		95,234.00		95,234.00	9,523.00	9,523.00		19,046.00	76,188.00	85,711.00
Sub Total		9,37,154.00	-	9,37,154.00	2,60,099.00	93,715.00	-	3,53,814.00	5,83,340.00	6,77,055.00
TEQIP II										
Upto the year 2013-14		1,38,61,076.00		1,38,61,076.00	41,58,324.00	13,86,108.00		55,44,432.00	83,16,644.00	97,02,752.00
Sub Total		1,38,61,076.00	-	1,38,61,076.00	41,58,324.00	13,86,108.00	-	55,44,432.00	83,16,644.00	97,02,752.00
Total		1,47,98,230.00	-	1,47,98,230.00	44,18,423.00	14,79,823.00	-	58,98,246.00	88,99,984.00	1,03,79,807.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (9). OTHER FIXED ASSETS

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation				Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciated during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Capital Fund:	7.5%- SLM									
Upto the year 13-14 (Residual Value <= 5%)		1,42,89,162.00	-	1,42,89,162.00	1,35,74,703.90			1,35,74,703.90	7,14,458.10	7,14,458.10
Upto the year 2013-14		4,29,43,733.60	-	4,29,43,733.60	1,63,13,467.00	32,20,780.00	-	1,95,34,247.00	2,34,09,486.60	2,66,30,266.60
During the year 2014-15		2,70,20,157.00	-	2,70,20,157.00	81,06,048.00	20,26,512.00	-	1,01,32,560.00	1,68,87,597.00	1,89,14,109.00
During the year 2015-16		6,71,338.00	-	6,71,338.00	1,51,050.00	50,350.00	-	2,01,400.00	4,69,938.00	5,20,288.00
During the year 2017-18		1,81,884.00	-	1,81,884.00	13,641.00	13,641.00		27,282.00	1,54,602.00	1,68,243.00
During the year 2018-19			90,047.00	90,047.00	-	6,754.00		6,754.00	83,293.00	-
Sub Total		8,51,06,274.60	90,047.00	8,51,96,321.60	3,81,58,909.90	53,18,037.00	-	4,34,76,946.90	4,17,19,374.70	4,69,47,364.70
Assets out of Institute Receipts	7.5%- SLM									
Upto the year 2013-14		1,37,087.00	-	1,37,087.00	1,28,890.00	1,343.00		1,30,233.00	6,854.00	8,197.00
Sub Total		1,37,087.00	-	1,37,087.00	1,28,890.00	1,343.00	-	1,30,233.00	6,854.00	8,197.00
Total		8,52,43,361.60	90,047.00	8,53,33,408.60	3,82,87,799.90	53,19,380.00	-	4,36,07,179.90	4,17,26,228.70	4,69,55,561.70

Description	Depreciation Rate	Gross Block			Depreciation				Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Subsidiaries Fund	7.5%- SLM									
Student Welfare Fund										
Upto the year 2013-14		10,15,359.00		10,15,359.00	2,28,456.00	76,152.00		3,04,608.00	7,10,751.00	7,86,903.00
Sub Total		10,15,359.00	-	10,15,359.00	2,28,456.00	76,152.00	-	3,04,608.00	7,10,751.00	7,86,903.00
Alumni Association										
During the year 16-17		23,358.00		23,358.00	5,256.00	1,752.00	-	7,008.00	16,350.00	18,102.00
During the year 18-19			13,710.00	13,710.00	-	1,028.00		1,028.00	12,682.00	-
Sub Total		23,358.00	13,710.00	37,068.00	5,256.00	2,780.00	-	8,036.00	29,032.00	18,102.00
Total		10,38,717.00	13,710.00	10,52,427.00	2,33,712.00	78,932.00	-	3,12,644.00	7,39,783.00	8,05,005.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C (10). TUBEWELL AND WATER SUPPLY

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation				Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Capital Fund:	2%- SLM									
Upto the year 2013-14		20,02,100.00	-	20,02,100.00	8,26,313.00	40,042.00	-	8,66,355.00	11,35,745.00	11,75,787.00
During the year 16-17		1,74,353.00	-	1,74,353.00	6,974.00	3,487.00	-	10,461.00	1,63,892.00	1,67,379.00
During the year 17-18		36,04,140.00	-	36,04,140.00	72,083.00	72,083.00		1,44,166.00	34,59,974.00	35,32,057.00
Sub Total		57,80,593.00	-	57,80,593.00	9,05,370.00	1,15,612.00	-	10,20,982.00	47,59,611.00	48,75,223.00

Total		57,80,593.00	-	57,80,593.00	9,05,370.00	1,15,612.00	-	10,20,982.00	47,59,611.00	48,75,223.00
--------------	--	---------------------	---	---------------------	--------------------	--------------------	---	---------------------	---------------------	---------------------

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C (11). CAPITAL WIP

(Amount in Rs.)

Description	As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019
WIP-Boys Hostel & Faculty Housing	3,44,26,383.00	78,79,838.00	4,23,06,221.00
WIP- Girls Hostel - Aug of Acad Infrastructure	1,65,22,158.00	4,73,13,679.35	6,38,35,837.35
WIP- Construction of Approach Road for Newly Constructed Underpass below the Railway Track connecting to Academic Campus to Residential Campus		3,31,29,087.00	3,31,29,087.00
WIP- SITC of Lift at various buildings of MNNIT		83,69,630.00	83,69,630.00
WIP- Repair of Drains/laying of Storm Sewer Line and provision of Footpath in the Institute Campus and Repair of Roads in the Hostel Campus		3,89,29,834.00	3,89,29,834.00
WIP- Construction of New Tube well for Academic Campus, Residential Campus and Hostel Campus		72,08,860.00	72,08,860.00
WIP- Providing and Laying of Water Proofing Treatment for Boys & Girls Hostel		75,61,145.00	75,61,145.00
Total	5,09,48,541.00	15,03,92,073.35	20,13,40,614.35

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS
C (12). COMPUTER SOFTWARE

(Amount in Rs.)

Description	Depreciation Rate	Gross Block			Depreciation				Net Block	
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Capital Fund:	40%- SLM									
During the year 2014-15		22,42,800.00	-	22,42,800.00	22,42,800.00		-	22,42,800.00	-	-
During the year 2015-16		-	-	-	-	-	-	-	-	-
During the year 2016-17		22,97,810.00		22,97,810.00	18,38,248.00	4,59,562.00		22,97,810.00	-	4,59,562.00
During the year 2017-18		17,70,260.00	-	17,70,260.00	7,08,104.00	7,08,104.00		14,16,208.00	3,54,052.00	10,62,156.00
During the year 2018-19			8,85,000.00	8,85,000.00	-	3,54,000.00		3,54,000.00	5,31,000.00	-
Total		63,10,870.00	8,85,000.00	71,95,870.00	47,89,152.00	15,21,666.00	-	63,10,818.00	8,85,052.00	15,21,718.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'C' OF SCH 4

FIXED ASSETS

C(13). LIBRARY BOOKS E-JOURNALS

(Amount in Rs.)

Description	Dep. Rate	Gross Block			Depreciation			Net Block		
		As at April 01, 2018	Additions/ (Deductions)	As at March 31, 2019	As at April 01, 2018	Depreciation during the year	Adjust. during the year	As at March 31, 2019	As at March 31, 2019	As at March 31, 2018
Assets out of Capital Fund:	40%-SLM									
During the year 2014-15		36,74,129.13	-	36,74,129.13	36,74,129.13		-	36,74,129.13	-	-
During the year 2015-16		9,48,69,915.00	-	9,48,69,915.00	9,48,69,915.00			9,48,69,915.00	-	-
During the year 2016-17		38,03,706.00	-	38,03,706.00	38,03,706.00		-	38,03,706.00	-	-
During the year 2017-18		11,09,123.00	-	11,09,123.00	4,43,649.00	4,43,649.00		8,87,298.00	2,21,825.00	6,65,474.00
During the year 2018-19			1,33,24,339.00	1,33,24,339.00	-	53,29,736.00		53,29,736.00	79,94,603.00	-
Total		10,34,56,873.13	1,33,24,339.00	11,67,81,212.13	10,27,91,399.13	57,73,385.00	-	10,85,64,784.13	82,16,428.00	6,65,474.00

SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 5- INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS

(Amount-Rs)

Investments from earmarked/ endowment funds	Current Year	Previous Year
1. In Central Government Securities	-	-
2. In State Government Securities		
3. Other approved Securities	-	-

4. Shares	-	-
5. Debentures and Bonds	-	-
6. Term Deposits with Banks	-	-
7. Others (to be specified) (Refer Annexure D-1)	1,17,40,43,592.76	44,01,68,490.96
Total	1,17,40,43,592.76	44,01,68,490.96

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'D' OF SCH 5

INVESTMENTS

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

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Deposited during the Year	Received	Enchased during the Year	As at March 31, 2019		As at March 31, 2018
General Provident Fund:							
Treasury Account	10,07,349.00				10,07,349.00		10,07,349.00
Fixed Deposit with Bank	24,89,28,729.00	3,60,71,753.00		1,68,73,929.00	26,81,26,553.00		24,89,28,729.00
Interest Accrued on FDR-GPF	53,08,830.00	1,53,60,211.00		1,50,71,753.00	55,97,288.00	27,47,31,190.00	53,08,830.00
Contributory Provident Fund:							
Fixed Deposit Receipt	1,43,89,470.00	71,66,129.00		84,02,370.00	1,31,53,229.00		1,43,89,470.00
Interest Accrued on FDR-CPF	1,71,858.02	8,72,400.00		4,89,866.57	5,54,391.45	1,37,07,620.45	1,71,858.02
Corpus Fund:							
Corpus Fund-TDR	16,46,79,553.00		67,49,75,139.00	-	83,96,54,692.00		16,46,79,553.00
Development Fund-TDR	6,31,835.00	-		-	6,31,835.00		6,31,835.00
Maintenance Fund-TDR	6,31,835.00	-		-	6,31,835.00		6,31,835.00
Staff Development Fund-TDR	13,78,551.00	-		-	13,78,551.00	84,22,96,913.00	13,78,551.00
Interest Accrued on Corpus fund	29,56,108.22	69,49,613.00	3,31,60,663.37	-	4,30,66,384.59		29,56,108.22
Interest Accrued on Development fund	20,175.94	37,570.00		-	57,745.94		20,175.94
Interest Accrued on Maintenance fund	20,175.94	37,570.00		-	57,745.94		20,175.94
Interest Accrued on Staff Development	44,020.84	81,972.00		-	1,25,992.84	4,33,07,869.31	44,020.84

fund							
Total	44,01,68,490.96	6,65,77,218.00		4,08,37,918.57		1,17,40,43,592.76	44,01,68,490.96

SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 6- INVESTMENTS OTHERS

(Amount-Rs)

<u>Investments - Others</u>	Current Year	Previous Year
1. In Central Government Securities	-	-
2. In State Government Securities	-	-
3. Other approved Securities	-	-
4. Shares	-	-
5. Debentures and Bonds	-	-
6. Term Deposits with Banks (Refer Annexure E-1)	43,86,47,780.00	1,07,15,77,753.00
Total	43,86,47,780.00	1,07,15,77,753.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'E-1' OF SCH 6

INVESTMENT OTHERS

E-1 - NON-EARMARKED FUNDS- TERM DEPOSITS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Deposited during the Year	Encashed during the Year	Transferred	As at March 31, 2019		As at March 31, 2018
<u>INSTITUTE:</u>							
TDR -- Institute - SBI	86,48,49,276.00	90,46,28,896.00	86,48,49,276.00	67,49,75,139.00	22,96,53,757.00		86,48,49,276.00
TDR -- Out of Caution Money	1,02,27,804.00				1,02,27,804.00	23,98,81,561.00	1,02,27,804.00
<u>SUBSIDIARY FUNDS:</u>							
T.D.R. with S.N.F.C.E.	1,98,02,189.00				1,98,02,189.00		1,98,02,189.00
T.D.R. with Student Welfare Fund	2,05,82,050.00	-			2,05,82,050.00		2,05,82,050.00
T.D.R. with Industrial Estate	3,32,88,877.00	8,22,393.00	55,86,054.00		2,85,25,216.00		3,32,88,877.00
T.D.R. with G. K. Agarwal Trust	3,00,000.00				3,00,000.00		3,00,000.00

T.D.R. with Alumni Association	1,05,41,505.00	48,41,505.00	43,41,505.00		1,10,41,505.00		1,05,41,505.00
T.D.R. with R&C Cell	8,00,96,566.00	47,25,736.00			8,48,22,302.00		8,00,96,566.00
T.D.R. with TEQIP II		1,14,000.00			1,14,000.00		
T.D.R. with Sponsored Gold Medal	3,88,488.00				3,88,488.00		3,88,488.00
T.D.R. with Project Account	3,15,00,998.00	16,89,471.00			3,31,90,469.00	19,87,66,219.00	3,15,00,998.00
Total	1,07,15,77,753.00	91,68,22,001.00	87,47,76,835.00	67,49,75,139.00		43,86,47,780.00	1,07,15,77,753.00

SCHEDULE FORMING PART OF BALANCE SHEET

SCHEDULE 7- CURRENT ASSETS

(Amount-Rs)

Particulars	Current Year	Previous Year
1. Stock:		
a) Stores and Spares (Stock of Consumables & Other Materials)	-	-
b) Loose Tools	-	-
c) Publications	-	-
d) Laboratory Chemicals, consumables and glass ware		
e) Building Material		
f) Electric Material		
g) Stationery		
h) Water Supply Material		
2. Sundry Debtors:		
a) Debts Outstanding for a period exceeding six months-Industrial Estate	1,04,73,858.02	1,15,95,129.62
b)Others	-	-
3. Cash and Bank Balances (to be further classified as pertaining to earmarked fund or otherwise)		
Earmarked Funds		
a) With Scheduled Banks:		
On Current Accounts	-	-
On Saving Accounts (Refer Annexure F (1))	5,80,67,012.12	4,29,67,858.12

<u>Non-Earmarked Funds</u>		
<u>a) With Scheduled Banks:</u>		
On Saving Accounts (Refer Annexure F (2))	1,32,81,90,128.72	87,30,16,770.23
<u>4. Post Office- Savings Accounts</u>	-	-
Total (A)	1,39,67,30,998.86	92,75,79,757.97

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'F' OF SCH 7

CURRENT ASSETS

F1- EARMARKED FUNDS- BALANCE WITH BANKS & IN HAND

(Amount in Rs.)

Particulars	Current Year 2018-19			Previous Year 2017-18		
	Balance with Bank	Balance in Hand	Total Cash & Bank Balance	Balance with Bank	Balance in Hand	Total Cash & Bank Balance
<u>INSTITUTE:</u>						
Corpus Fund - SBI SB	4,93,72,957.00	-	4,93,72,957.00	1,02,43,024.00	-	1,02,43,024.00
Staff Development Fund- SBI SB	4,18,314.00	-	4,18,314.00	3,54,915.00	-	3,54,915.00
Development/Renewal Fund- SBI SB	4,01,880.00	-	4,01,880.00	3,39,383.00	-	3,39,383.00
Maintenance Fund- SBI SB	4,01,326.00	-	4,01,326.00	3,38,860.00	-	3,38,860.00
GPF-Vijaya Bank SB	63,511.00	-	63,511.00	1,69,26,626.00	-	1,69,26,626.00
CPF-SBI SB	53,180.12	-	53,180.12	22,94,273.12	-	22,94,273.12
New Pension Scheme-Vijaya Bank SB	73,55,844.00	-	73,55,844.00	1,24,70,777.00	-	1,24,70,777.00
Total	5,80,67,012.12	-	5,80,67,012.12	4,29,67,858.12	-	4,29,67,858.12

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE 'F' OF SCH 7

CURRENT ASSETS

F-2 - NON-EARMARKED FUNDS: BALANCE WITH BANKS & IN HAND

(Amount in Rs.)

Particulars	Current Year 2018-19			Previous Year 2017-18		
	Balance with Bank	Balance in Hand	Total Cash & Bank Balance	Balance with Bank	Balance in Hand	Total Cash & Bank Balance
INSTITUTE:						
Cash in Hand		15,865.00	15,865.00		7,470.00	7,470.00
with Vijaya Bank with Autosweep	53,46,42,931.06		53,46,42,931.06	22,89,34,514.78		22,89,34,514.78
with State Bank of India - Power Jyoti	0.67		0.67	11,711.71		11,711.71
with State Bank of India - Fees A/C with Autosweep	56,65,17,565.24		56,65,17,565.24	46,50,07,327.96		46,50,07,327.96
SUB TOTAL	1,10,11,60,496.97	15,865.00	1,10,11,76,361.97	69,39,53,554.45	7,470.00	69,39,61,024.45
SUBSIDIARY FUNDS:						
Admission Committee	7,04,312.00		7,04,312.00	7,04,312.00		7,04,312.00
Industrial Estate	1,26,96,474.51		1,26,96,474.51	1,13,35,054.51		1,13,35,054.51
Kitchen Project	6,272.00		6,272.00	6,272.00		6,272.00
Text Book Lending Bank	6,09,916.00		6,09,916.00	5,80,878.00		5,80,878.00
G.K. Agarwal Trust	3,07,778.00		3,07,778.00	2,89,206.00		2,89,206.00
Nodal Centre	82,770.00		82,770.00	82,770.00		82,770.00
Product Development & Training Centre	2,16,274.00		2,16,274.00	2,08,867.00		2,08,867.00
Student Welfare Fund	83,88,546.51		83,88,546.51	52,27,308.00		52,27,308.00
School of Non Formal & Cont. Education	52,02,017.00		52,02,017.00	45,46,927.00		45,46,927.00
Alumni Association	64,23,120.34		64,23,120.34	68,16,543.37		68,16,543.37
TEQIP - II	20,640.00		20,640.00	23,03,369.70		23,03,369.70
Research & Consultancy Cell	2,96,69,330.58		2,96,69,330.58	3,53,11,138.92		3,53,11,138.92
Dean Academic Affairs	6,99,56,014.08		6,99,56,014.08	1,89,27,319.20		1,89,27,319.20
Project Account	9,23,45,321.73		9,23,45,321.73	9,24,61,079.08		9,24,61,079.08
Sponsored Gold Medal	3,84,980.00		3,84,980.00	2,54,701.00		2,54,701.00

Sub Total	22,70,13,766.75	-	22,70,13,766.75	17,90,55,745.78	-	17,90,55,745.78
Total	1,32,81,74,263.72	15,865.00	1,32,81,90,128.72	87,30,09,300.23	7,470.00	87,30,16,770.23

SCHEDULE FORMING PART OF BALANCE SHEET
SCHEDULE 8 - LOANS, ADVANCES AND DEPOSITS

(Amount-Rs)

Particulars	Current Year	Previous Year
1. Advances to employees: (Non-interest bearing)		
a) Salary	-	-
b) Festival	-	-
c) Medical Advance	-	-
d) Other (to be specified) (Refer Annexure G (1) &(2))	80,10,279.00	1,54,11,799.27
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 G (3))	42,04,74,664.65	49,55,20,739.00
b) to suppliers	-	-
c) Others (Refer Annexure G (4))	2,40,44,777.00	1,72,32,218.00
4. Prepaid Expenses		
a) Insurance	-	-
b) Other expenses		
Software	-	15,49,230.00
5. Deposits		
a) Telephone	-	-
b) Lease Rent	-	-
c) Electricity	-	-
d) AICTE, if applicable	-	-
e) Others (to be specified)	-	-

6. Income Accrued:		
a) On Investments other than Earmarked/ Endowment Funds (Refer Annexure G (5))	1,72,79,007.00	4,73,05,698.37
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 G (6))	64,24,371.00	66,84,558.00
c) Grants Recoverable		-
d) Excess Utilisation Of Grant		-
8. Claims Receivable		-
Tax Deducted at Source	2,12,63,824.00	1,21,62,040.00
GST TDS- R&C Cell	84,000.00	-
Total	49,75,80,922.65	59,58,66,282.64

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE G OF SCH 8

LOANS, ADVANCES AND DEPOSITS

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Advances given during the Current Year 2018-19	Advances Adjusted during the Current Year 2018-19	Journal Entry Adjustments	As at March 31, 2019	As at March 31, 2018
G(1). Advances to Employees						
1. Salary						
Institute-Staff Advances - G-(i)	64,16,270.27	1,07,54,514.73	1,50,73,843.00	-	20,96,942.00	64,16,270.27
Institute- Permanent Imprest - G-(ii)	8,76,052.00	2,65,000.00	2,54,543.00	-	8,86,509.00	8,76,052.00
Total	72,92,322.27	1,10,19,514.73	1,53,28,386.00	-	29,83,451.00	72,92,322.27
G(2). Advances - Others						

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Institute-Interest recoverable from GPF	9,70,000.00	-	-	-	9,70,000.00	9,70,000.00
Institute-Science City- Recoverable Expense	92,325.00			-	92,325.00	92,325.00
Institute-LC Debit on account R&C	61,02,585.00		61,02,585.00		-	61,02,585.00
TEQIP III	1,48,066.00	1,05,09,936.00	75,00,000.00		31,58,002.00	1,48,066.00
Subsidiary-Miscellaneous Advances	8,06,501.00			-	8,06,501.00	8,06,501.00
Total	81,19,477.00	1,05,09,936.00	1,36,02,585.00	-	50,26,828.00	81,19,477.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE G OF SCH 8
(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Advances given during the Current Year 2018-19	Advances Adjusted during the Current Year 2018-19	Journal Entry Adjustments	As at March 31, 2019	As at March 31, 2018
G-3. Advances and other amounts recoverable in cash or in kind or for value to be received -- On Capital Account						
Advances for Fixed Assets & Revenue Expenses - G-(iii)	48,99,38,273.00	13,94,32,337.00	21,02,98,811.35	-	41,90,71,798.65	48,99,38,273.00
<u>Subsidiary</u>						
Project Account - Advance for Plant and Machinery	55,82,466.00	27,614.00	42,07,214.00		14,02,866.00	55,82,466.00
Total	49,55,20,739.00	13,94,59,951.00	21,02,98,811.35	-	42,04,74,664.65	49,55,20,739.00
G(4). Advances and other amounts recoverable in cash or in kind or for value to be received -- Others						
Institute						
Recoverable Deposit- Institute- G.I. for Students	1,36,033.00	10,72,450.00	13,07,688.00		(99,205.00)	1,36,033.00
Recoverable Deposit- Institute-Group Insurance Scheme	1,60,557.00	13,58,168.00	12,85,845.00		2,32,880.00	1,60,557.00
Subsidiary						
Subsidiary- Alumni Association - Advance & Imprest	19,395.00	2,81,000.00	2,44,487.00	-	55,908.00	19,395.00
Subsidiary-Dean Academics - Advances	10,38,510.00	-	-	-	10,38,510.00	10,38,510.00
Subsidiary-Project Account - Advance & Imprest	6,79,011.00	11,62,622.00	10,92,278.00	-	7,49,355.00	6,79,011.00
R&C Cell - Advances & Imprest	8,55,149.00	31,52,754.00	24,69,674.00	-	15,38,229.00	8,55,149.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

R&C Cell - Receivable against Uncleared Cheque	1,02,630.00			-	1,02,630.00	1,02,630.00
R&C Cell - Receivable from Project Account	1,53,618.00	8,73,536.00	11,87,999.00	-	(1,60,845.00)	1,53,618.00
R&C Cell - Loan/Cont. to GPF A/c towards Interest	78,00,000.00			-	78,00,000.00	78,00,000.00
R&C Cell - TEQIP III	15,00,000.00	-	-		15,00,000.00	15,00,000.00
SNFCE - Receivable against FDP	14,81,074.00		-	-	14,81,074.00	14,81,074.00
SNFCE- C-Dac	1,26,608.00				1,26,608.00	1,26,608.00
SNFCE- Advances & Imprest	5,000.00	-	-		5,000.00	5,000.00
Subsidiary-Student Welfare Fund - Advance	1,87,827.00			-	1,87,827.00	1,87,827.00
Subsidiary-Student Welfare Fund - LIC	37,636.00			-	37,636.00	37,636.00
Industrial Estate-Advance for Construction of Road	10,50,000.00	65,00,000.00		-	75,50,000.00	10,50,000.00
Industrial Estate-Advance for imprest	1,500.00	4,500.00	4,500.00		1,500.00	1,500.00
Industrial Estate-Recoverable from Institute on account of TDS	1,09,398.00	-	-	-	1,09,398.00	1,09,398.00
Industrial Estate-Service Tax under Appeal	14,39,166.00	-	-		14,39,166.00	14,39,166.00
Loan to Tanzanian Student Project	2,51,000.00			-	2,51,000.00	2,51,000.00
Loan to Student Subsidiary Funds	91,000.00			-	91,000.00	91,000.00
Recoverable Deposit- Subsidiaries-Security & Earnest Money	7,106.00				7,106.00	7,106.00
Total	1,72,32,218.00	1,44,05,030.00	75,92,471.00	-	2,40,44,777.00	1,72,32,218.00

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE G OF SCH 8

G(5). Income Accrued - On Investments other than Earmarked/Endowment Funds

(Amount in Rs.)

Particulars	Opening Balance as on 01/04/2018	Transactions during the year			As at March 31, 2019	As at March 31, 2018
		Debit	Credit	Transferred		
On Term Deposit						
Institute:						
TDR - Institute	4,62,59,946.37	6,22,84,443.00	5,91,88,460.00	3,31,60,663.37	1,61,95,266.00	4,62,59,946.37
Subsidiary Funds:						

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

T.D.R. with Alumni Association	36,582.00				36,582.00	36,582.00
T.D.R. with Sponsored Gold Medal	2,435.00				2,435.00	2,435.00
T.D.R. with Industrial Estate	6,05,134.00	37,989.00	-		6,43,123.00	6,05,134.00
Student Welfare Fund						
T.D.R. with Student Welfare Fund	1,09,675.00				1,09,675.00	1,09,675.00
T.D.R. out of Caution Money	2,91,926.00				2,91,926.00	2,91,926.00
Total	4,73,05,698.37	6,23,22,432.00	5,91,88,460.00	3,31,60,663.37	1,72,79,007.00	4,73,05,698.37

SCHEDULE FORMING PART OF BALANCE SHEET

ANNEXURE G OF SCH 8

G(6). DEBIT BALANCES IN FELLOWSHIP & SCHOLARSHIP

(Amount in Rs.)

Head of Account	Opening balance as on 01/04/2018		Transaction during the year 2018-19		Closing balance as on 31/03/2019	
	Debit	Credit	Debit	Credit	Debit	Credit
Board of Apprenticeship Training	13,29,636.00		-	-	13,29,636.00	-
CSIR Delhi	8,77,408.00		5,22,580.00	7,56,000.00	6,43,988.00	-
Fellowship (MHRD)	1,47,489.00				1,47,489.00	-
ICSSR Project	1,92,000.00			10,000.00	1,82,000.00	-
National Seminar (HSS Department)	1,40,017.00				1,40,017.00	-
PHE Stip & Contingency	45,485.00				45,485.00	-
QIP Polytechnique	35,67,881.00				35,67,881.00	-
Seminar on Electric Power Conversion	72,458.00				72,458.00	-
UPCST Domestic Waste Water Treatment	79,402.00				79,402.00	-
Workshop Virtual Instrumentation & Its Application	1,556.00				1,556.00	-
Fellowship (CSIR)	2,31,226.00			16,767.00	2,14,459.00	-
Total	66,84,558.00	-	5,22,580.00	7,82,767.00	64,24,371.00	-

GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET

ANNEXURE G-1 OF SCH 8

LOANS, ADVANCES AND DEPOSITS

G-(i) - Advances to Staff

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Ajay Bharti		13,500.00	13,500.00	-
2	Algu Prasad Gaur		3,000.00	3,000.00	-
3	Ambak Kumar Rai		10,750.00	10,750.00	-
4	Anirudh Kumar Chaudhary		65,000.00	65,000.00	-
5	Anuj Jain	1,27,630.00		90,000.00	37,630.00
6	Anupam Rawat		8,850.00	8,850.00	-
7	Arvind Aggarwal		2,80,500.00	2,80,500.00	-
8	Arvind Kant Singh		1,82,000.00	1,45,000.00	37,000.00
9	Ashutosh Kr Upadhyay	5,000.00	36,000.00	41,000.00	-
10	Ashutosh Pandey		51,100.00	51,100.00	-
11	Avanish Kumar Dubey	(800.00)	800.00		-
12	Banwari Lal		48,000.00	48,000.00	-
13	Basant Kumar		2,36,050.00	20,050.00	2,16,000.00
14	Chandra Bhan Kushwaha		40,000.00	30,000.00	10,000.00
15	Danish Ansari	50,000.00		50,000.00	-
16	Dharmendra Kr Shukla		8,000.00	8,000.00	-
17	D.K.Yadav		2,10,000.00	2,10,000.00	-
18	Dr. A.D Bhatt		20,000.00	20,000.00	-
19	Dr. A K Singh Ced	48,000.00	2,24,000.00	2,72,000.00	-
20	Dr. Ambalika Sinha	79,200.00	27,000.00	1,07,000.00	(800.00)
21	Dr Anil Kumar Sachan Ced		2,825.00	2,825.00	-
22	Dr. Anil Kumar Singh Csed	50,520.00		31,510.00	19,010.00
23	Dr. Anindya Bhar		1,31,000.00	1,31,000.00	-
24	Dr. Ankur Gaur		25,000.00		25,000.00
25	Dr. Anoj Kumar		44,000.00	25,000.00	19,000.00
26	Dr Arun Prakash		10,000.00	10,000.00	-

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

27	Dr. Ashish N. Sawarkar		98,000.00	41,650.00	56,350.00
28	Dr Ashutosh Mani	49,000.00		49,000.00	-
29	Dr Audhesh Narayan (Imprest Workshop)	15,000.00		395.00	14,605.00
30	Dr Bireshwar Paul		9,000.00	9,000.00	-
31	Dr. B. Vasu		1,50,000.00	1,50,000.00	-
32	Dr. Gautam Ghosh	1,60,000.00		1,60,000.00	-
33	Dr. Geetika	12,000.00		12,000.00	-
34	Dr. G.P Sahu	99,800.00	1,75,000.00	2,74,800.00	-
35	Dr Himanshu Mishra		49,844.00	49,844.00	-
36	Dr. K.M. Gupta	22,407.00		22,407.00	-
37	Dr. M. M. Gore (Imprest Dean larg)	5,000.00		5,000.00	-
38	Dr Manoj Wairiya		36,520.00	36,520.00	-
39	Dr. Mohd. Siraj Alam	1,44,000.00	2,62,360.00	4,06,360.00	-
40	Dr. Mukesh Kumar		2,30,000.00	2,30,000.00	-
41	Dr Mukul Shukla		7,500.00	7,500.00	-
42	Dr. Nand Kishor	80,000.00	1,09,000.00	1,89,000.00	-
43	Dr Navneet Kumar Singh		1,75,500.00	1,75,500.00	-
44	Dr. Paulson Samules	1,50,000.00		1,50,000.00	-
45	Dr. P.P Sahay		2,03,000.00	2,03,000.00	-
46	Dr. Praveen Kr. Agarwal		3,000.00	3,000.00	-
47	Dr. Priyaranjan Pal	(2,840.00)	1,01,840.00	99,000.00	-
48	Dr. Radha Rani Mewaram		1,16,000.00	91,000.00	25,000.00
49	Dr. Rajeev Tripathi		30,000.00	30,000.00	-
50	Dr. Rajitha B.	1,46,000.00	74,000.00	1,46,000.00	74,000.00
51	Dr. Raj Mohan Singh	(4,996.00)	95,996.00	91,000.00	-
52	Dr. Rakesh Kumar	98,426.00			98,426.00
53	Dr. Ramesh Pandey		7,750.00		7,750.00
54	Dr. Richa Negi	80,000.00		80,000.00	-
55	Dr. Sadhana Sachan		1,81,000.00	1,81,000.00	-
56	Dr Sameer Srivastava		48,450.00		48,450.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

57	Dr. Sanjeev Rai	60,000.00	19,000.00	60,000.00	19,000.00
58	Dr. Shailendra Kumar Mishra	90,000.00			90,000.00
59	Dr. Shivesh Sharma	(22,250.00)	22,250.00		-
60	Dr. Sunita Agarwal		45,000.00	45,000.00	-
61	Dr. Tripti Singh		1,10,000.00	1,10,000.00	-
62	Dr. Vandana Agrawal		1,15,000.00	1,15,000.00	-
63	Dr. Vibhuti Tripathi		1,49,250.00	1,49,250.00	-
64	Dr. Vishnu Agrawal		1,91,000.00	1,91,000.00	-
65	Election Advance	27,000.00			27,000.00
66	Festival Advance	35,67,600.00	1,00,000.00	35,85,389.00	82,211.00
67	G.K Mehrotra		90,000.00	90,000.00	-
68	Gyanendra Kr. Tiwari		37,675.00	38,175.00	(500.00)
69	Hari Shankar		4,000.00	4,000.00	-
70	House Building And Vehicle Advance	2,000.00		2,000.00	-
71	Jitendra N. Gangwar	89,000.00	33,837.00	1,22,837.00	-
72	K.K. Mishra		2,34,000.00	24,096.00	2,09,904.00
73	Kumar Pallav	14,100.00			14,100.00
74	Kumar Venkatesh		76,000.00	76,000.00	-
75	L.K Mishra	(2,000.00)	2,000.00		-
76	Manas Agrawal		5,34,519.00	5,34,519.00	-
77	Manish Gupta		1,19,000.00	1,19,000.00	-
78	Manish Kumar	1,00,000.00	2,36,000.00	3,36,000.00	-
79	Manish Tiwari		47,220.00	47,220.00	-
80	Manohar Yadav	89,000.00		89,000.00	-
81	Manoj Kumar Gupta	90,000.00		90,000.00	-
82	Manoj Singh Baunal		82,300.00	68,574.00	13,726.00
83	Mayank Pandey		50,000.00	50,000.00	-
84	Nand Kumar Singh Biotechnology		99,000.00	99,000.00	-
85	Nekram Rawal	98,000.00		98,000.00	-
86	Nitin Singh		1,42,500.00	1,42,500.00	-

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

87	Pitam Singh		3,51,600.00	3,51,600.00	-
88	Prakash Attendent		5,064.00	5,064.00	-
89	Pramod Kumar Yadav		3,350.00	3,350.00	-
90	Rahul Dev		49,000.00		49,000.00
91	Rajeev Gupta		1,62,000.00	1,62,000.00	-
92	Ram Bahadur Yadav		13,180.00	13,180.00	-
93	Ram Baran		11,000.00	11,000.00	-
94	Ram Chandra (Technician Sgll)		7,900.00	7,900.00	-
95	Ram Ji Dwivedi	20,694.00	83,050.00	38,799.00	64,945.00
96	Ram Pal Singh		97,000.00	97,000.00	-
97	Ravindra Tripathi	33,710.00		33,710.00	-
98	Ravi Prakash (Amd)		1,00,000.00		1,00,000.00
99	Rk Nagaria		36,000.00	36,000.00	-
100	R P Tiwari (Head Amd)	1,05,971.00	34,000.00	1,39,971.00	-
101	Sangam Lal Kushwaha		65,000.00	65,000.00	-
102	Sanjay Chaubey		12,600.00	12,600.00	-
103	Santosh Kumar Gupta Eced		1,80,000.00	1,80,000.00	-
104	Sarvesh Tiwari		2,90,000.00	2,90,000.00	-
105	Satyajeet Kumar		73,000.00	73,000.00	-
106	Shashwati Banerjee	(494.00)	494.00		-
107	Shrikant Sharma (A/C)	85.00	1,10,000.00	1,10,085.00	-
108	Shwetank Parihar		36,000.00	36,000.00	-
109	S.J Pawar		84,777.00	84,777.00	-
110	S.K.Gaur		3,50,220.00	3,50,220.00	-
111	Sk Poddar		78,230.00		78,230.00
112	Smt. Sweta Ranjan	15,984.00		15,984.00	-
113	S.N Pandey Maths		2,88,000.00	2,88,000.00	-
114	Sonam Agrawal		3,250.00	3,250.00	-
115	Soumya Ranjan Mohanty	70,000.00		70,000.00	-
116	S.P Verma	(633.73)	34,433.73	33,800.00	-

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

117	Sri Akshoy Ranjan Paul		1,48,500.00	1,48,500.00	-
118	Sri Amar Singh		4,900.00	4,900.00	-
119	Sri Anil Kumar		1,49,000.00	44,000.00	1,05,000.00
120	Sri Arvind Kumar Singh (E)	60.00	18,000.00	18,000.00	60.00
121	Sri Bechan Ram	10,000.00	3,000.00	13,000.00	-
122	Sri H I Malik	25,000.00			25,000.00
123	Sri Rajeevsrivastava	6,955.00			6,955.00
124	Sri Rajendra Prashad		2,700.00		2,700.00
125	Sri Ramesh Kumar Tripathi	1,22,230.00		1,20,000.00	2,230.00
126	Sri Ritesh Kumar Sahu		1,000.00	1,000.00	-
127	Sri R.K. Sharma		2,80,000.00	2,17,000.00	63,000.00
128	Sri Sameer Saraswati		1,51,000.00	1,51,000.00	-
129	Sri Sanjay Singh	1,95,000.00		95,000.00	1,00,000.00
130	Sri Sanjay Yadav	13,960.00	4,900.00	4,900.00	13,960.00
131	Sri Satanand Yadav		22,000.00	22,000.00	-
132	Sri Srikant		1,08,000.00		1,08,000.00
133	Ss Narvi	5,000.00	16,000.00	21,000.00	-
134	Suantak Kamsonlian	56,020.00	11,650.00	67,670.00	-
135	Sushil Kumar	20,700.00	2,91,700.00	2,00,700.00	1,11,700.00
136	Tanuj Nandan		45,000.00	45,000.00	-
137	U.S. Sharma	60,232.00		60,232.00	-
138	Varun Singh		99,000.00	99,000.00	-
139	Vijay Pal (Ldc)		1,00,000.00	1,00,000.00	-
140	Vinod Kr Mishra	40,000.00			40,000.00
141	Vishwajeet Pratap Singh		83,300.00		83,300.00
142	V Murari		1,26,000.00	1,26,000.00	-
143	Vp Singh		28,950.00	28,950.00	-
144	Vr Koma		1,00,000.00	1,00,000.00	-
145	Yogendra Kumar Prajapati		20,080.00	20,080.00	-
Grand Total		64,16,270.27	1,07,54,514.73	1,50,73,843.00	20,96,942.00

GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET**ANNEXURE G-1 OF SCH 8****LOANS, ADVANCES AND DEPOSITS****G-(ii) - Permanent Imprest to Employees**

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	A. D. Bhatt (Imprest)	5,000.00	15,000.00		20,000.00
2	A. K. Sachan (Imprest)	10,000.00			10,000.00
3	A.K Sing Ae(E) (Imprest)	25,000.00			25,000.00
4	A K Singh Ced (Imprest)		5,000.00		5,000.00
5	Ambak Kumar Rai(Imprest)	20,000.00	15,000.00		35,000.00
6	Anil Kumar (Imprest)	14,822.00			14,822.00
7	Anil Kumar Singh Imprest		15,000.00		15,000.00
8	Animesh Ojha(Imprest)	15,000.00	5,000.00	11,815.00	8,185.00
9	Arvind Aggarwal (Imprest)	5,000.00		5,000.00	-
10	Ashutosh Pandey (Imprest)	15,000.00	10,000.00	1,696.00	23,304.00
11	Banwari Lal (Imprest)	10,000.00			10,000.00
12	Danish Ansari (Imperest)	15,000.00			15,000.00
13	Deepesh Tiwari (Imprest)	2,000.00			2,000.00
14	Dr. Bashant Kumar (Imprest)	15,000.00		15,000.00	-
15	Dr. G. K. Mehrotra (Imprest)	10,000.00		10,000.00	-
16	Dr Manisha Sachan (Imprest)	15,000.00			15,000.00
17	Dr. M.M. Gore (Imprest)		5,000.00		5,000.00
18	Dr. Nand Kumar Singh Imprest		15,000.00		15,000.00
19	Dr. Naresh Kumar (Imprest)	10,000.00	15,000.00	15,000.00	10,000.00
20	Dr Paulson Samulel (Imprest)	15,000.00			15,000.00
21	Dr Rajtha B (Imprest)	15,000.00			15,000.00
22	Dr Ranvijay (Imprest)	15,000.00			15,000.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

23	Dr. R D Gupta (Imprest)	10,000.00			10,000.00
24	Dr. R K Singh (Imprest)	10,000.00		10,000.00	-
25	Dr Sahdeo Padhey (Imprest)	15,000.00			15,000.00
26	Dr. Sameer Srivastava (Imprest)		15,000.00		15,000.00
27	Dr Shailendra Kumar Mishra Imprest	15,000.00			15,000.00
28	Dr Shiv Dutt (Imprest)	15,000.00			15,000.00
29	Dr. Shwetank Parihar (Imprest)		10,000.00		10,000.00
30	Dr. S. S. Narvi (Imprest)	10,000.00		10,000.00	-
31	Dr. Suneeta Agarwal (Imprest)	10,000.00		10,000.00	-
32	Dr. Vijaya Bhaduariya (Imprest)	15,000.00			15,000.00
33	Dr Vinod Yadav Imprest	6,157.00		6,157.00	-
34	Dr. V R Komma Imprest		15,000.00		15,000.00
35	G.P. Sahu Imprest	15,000.00			15,000.00
36	Gynendra Tiwari Ar Imprest		10,000.00		10,000.00
37	K.N Pandey (Imprest)	18,583.00	15,000.00	10,000.00	23,583.00
38	K N Singh (Imprest)	20,000.00			20,000.00
39	Manish Gupta (Imprest)	15,000.00			15,000.00
40	Manish Kumar (Ee)(Imprest)	30,000.00			30,000.00
41	Mayank Pandey (Imprest)		15,000.00		15,000.00
42	Mukesh Kumar (Imprest)	15,000.00			15,000.00
43	Neeraj Tyagi (Imprest)	10,000.00	15,000.00	25,000.00	-
44	Nekram Rawal(Imprest)	15,000.00		15,000.00	-
45	Nirmal Kumar Shukla (Imprest)	15,000.00			15,000.00
46	Niroj Banerjee (Imprest)	10,000.00	10,000.00	5,000.00	15,000.00
47	Pankaj Srivastava(Imprest)	10,000.00		10,000.00	-
48	P R Agarwal (Imprest)	5,000.00			5,000.00
49	Pramod Kumar Yadav(Imprest)	15,000.00			15,000.00
50	Prof Manoj Kumar (Imprest)		10,000.00		10,000.00
51	Radharani Mewaram(Imprest)	30,000.00			30,000.00
52	Rajesh Gupta (Imprest)	15,000.00			15,000.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

53	Rakesh Narayan(Imprest)	15,000.00			15,000.00
54	Ramesh Pandey (Imprest)	25,000.00			25,000.00
55	Ramji Diwedi (Imprest)	15,000.00			15,000.00
56	Ravi Prakash Amd (Imprest)	5,000.00			5,000.00
57	Ravi Prakash Nba (Imprest)	2,500.00			2,500.00
58	Ritesh Kumar Sahu (Imprest)		15,000.00		15,000.00
59	R.K. Nagaria(Imprest)	15,000.00		15,000.00	-
60	R K Pandey (Imprest)	5,000.00			5,000.00
61	R K Sharma (Imperest)	10,000.00			10,000.00
62	R.K Singh (Imprest)	15,000.00		15,000.00	-
63	R.P. Singh Imprest Nba	2,500.00			2,500.00
64	R.P Tiwari Gis Imprest		10,000.00		10,000.00
65	R P Tiwari (Imprest)	10,000.00			10,000.00
66	Sarvesh Kumar Tripathi (Imprest)	15,000.00			15,000.00
67	Satyajeet Kumar (Imprest)	14,875.00		14,875.00	-
68	Shivesh Sharma(Imprest)	45,000.00		15,000.00	30,000.00
69	Shri Sanjay Singh (Imprest)	10,000.00			10,000.00
70	Shubhi Purwar(Imprest)	15,000.00			15,000.00
71	Siraj Alam Warden (Imprest)		15,000.00		15,000.00
72	S.J Pawar A/P(Imprest)	17,000.00			17,000.00
73	S.P Verma (Imprest)	2,000.00			2,000.00
74	Sri D S Kushwaha (Imprest)	10,000.00		10,000.00	-
75	Sri Har Nath Kar (Imprest)	10,000.00		10,000.00	-
76	Sushil Kumar Imprest	10,000.00			10,000.00
77	V Krishna Rao (Imperest)	5,000.00	10,000.00		15,000.00
78	V.K Srivastava (Imprest)	10,615.00			10,615.00
79	Yogendra Kumar Prajapati (Imprest)	15,000.00		15,000.00	-
	Grand Total	8,76,052.00	2,65,000.00	2,54,543.00	8,86,509.00

GROUPING FORMING PART OF THE SCHEDULE TO THE BALANCE SHEET

LOANS, ADVANCES AND DEPOSITS**G -(iii) - Advance for Fixed Assets & Revenue Expenses**

Sl. No.	Particulars	Opening Balance	During the year		Closing Balance
			Debit	Credit	
1	Balmer Lawrie & Co.	12,35,000.00			12,35,000.00
2	Anjali Electronics	8,100.00			8,100.00
3	Augmentation (other Construction Work)		13,94,32,337.00	13,94,32,337.00	-
4	Autometer Alliance Ltd	68,360.00			68,360.00
5	Batra Electronic Cottage	23,490.00			23,490.00
6	Bhargava Engg. Works	60,800.00			60,800.00
7	Bhushan & Bhushan	1,25,928.00			1,25,928.00
8	Bombay Machinery	14,490.00			14,490.00
9	Carrier Aircon	43,346.00			43,346.00
10	Chemico Instruments Pltd	7,000.00			7,000.00
11	Comcare Enterprises	1,47,022.00			1,47,022.00
12	Cpwd Advance	2,67,21,426.00		-	2,67,21,426.00
13	Cpwd Advance- Construction of New Boys Hostel	31,86,53,998.00		-	31,86,53,998.00
14	Eds Technology	1,10,000.00			1,10,000.00
15	Elite Furniture	4,23,162.00			4,23,162.00
16	Fa & Cao N Rly	2,21,12,506.00		2,21,12,506.00	-
17	Gaur Electrical	68,580.00			68,580.00
18	Hcl Info System	4,60,634.00			4,60,634.00
19	Hydraulic Engg Instrument	2,80,155.00			2,80,155.00
20	Indian Institute Of Foreign Trade	14,935.00			14,935.00
21	Indian Oil Corporation	10,962.00			10,962.00
22	Jamuna Marketing Pvt Ltd	1,87,034.00			1,87,034.00
23	Jay Pee Cement	34,500.00			34,500.00
24	Lab India Instrument	11,703.00			11,703.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

25	Lalji Enterprises	5,000.00			5,000.00
26	Mack Electrical & Equipment	65,350.00			65,350.00
27	Matra Distributor	6,615.00			6,615.00
28	Minimax Electronics	13,208.00			13,208.00
29	M/S Bhargava Tyres	(18,844.00)			(18,844.00)
30	M/S Rites Ltd.	17,04,175.00			17,04,175.00
31	Rites Ltd. - A/c Girls Hostel - RT 5300010	11,24,52,211.00		4,63,31,968.35	6,61,20,242.65
32	Peco Cooling Tower	2,13,390.00			2,13,390.00
33	Pericom System	1,75,620.00			1,75,620.00
34	Point Stationery	13,189.00			13,189.00
35	Pragaya Electric Co.	5,625.00			5,625.00
36	Prism Cement	1,47,400.00			1,47,400.00
37	Project Officer Neda	1,35,143.00			1,35,143.00
38	Quartz Marketing System	1,08,061.00			1,08,061.00
39	Rai & Co	1,20,697.00			1,20,697.00
40	Ranial Graphics	92,388.00			92,388.00
41	Richa Medical Agency	(21.00)			(21.00)
42	Sahani Refrigeration	78,690.00			78,690.00
43	Sciencetech Technologies	9,208.00			9,208.00
44	Shaan Trader	1,29,736.00			1,29,736.00
45	Sharda Enterprises	3,03,290.00			3,03,290.00
46	Shivam Paints	35,696.00			35,696.00
47	Sn Aqua System	69,360.00			69,360.00
48	Spic Macay	10,000.00			10,000.00
49	Srk System	5,600.00			5,600.00
50	Surekha Sales Pvt Ltd	8,905.00			8,905.00
51	Surgico Medicare Agency	6,250.00			6,250.00
52	Tele Links	7,065.00			7,065.00
53	Total Presentation Devices	1,68,000.00			1,68,000.00
54	Tritech Enterprises	87,903.00			87,903.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

55	Versatile Construction	24,22,000.00		24,22,000.00	-
56	Voltas Ltd	5,34,232.00			5,34,232.00
Grand Total		48,99,38,273.00	13,94,32,337.00	21,02,98,811.35	41,90,71,798.65

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 9 – ACADEMIC RECEIPTS

(Amount-Rs)

Particulars	Current Year		Previous Year	
Fee from Students				
<u>A. Academic</u>				
<u>Tuition Fees:</u>				
Tuition Fees B.Tech	18,22,97,190.00		18,22,79,060.00	
Tuition Fees MBA	18,00,000.00		18,12,000.00	
Tuition Fees MCA	1,30,13,000.00		1,29,67,000.00	
Tuition Fees M.Tech	4,73,90,000.00		4,58,50,000.00	
Tuition Fees Ph.D	60,28,625.00		36,67,500.00	
Tuition Fees M.Sc.	4,80,000.00		4,65,000.00	
Tuition Fees MSW	-		1,65,000.00	
Tuition Fees DASA	10,26,66,400.00		11,07,89,500.00	
Sub Total (a)		35,36,75,215.00		35,79,95,060.00
<u>Admission fee:</u>				
Registration Fees M.Tech	1,35,400.00		1,31,000.00	
Registration Fees MBA	15,000.00		15,100.00	
Registration Fees MCA	51,100.00		51,300.00	
Registration Fees PhD	80,300.00		48,900.00	
Registration Fees MSW	-		2,200.00	
Registration Fees MSC	6,400.00		6,200.00	
Registration Fees B.Tech	6,70,300.00		6,19,200.00	
Day Fees B.Tech	10,05,450.00		9,29,900.00	
Day Fees M.Tech	2,46,950.00		2,29,250.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Day Fees MBA	26,250.00		26,425.00	
Day Fees MCA	89,425.00		89,775.00	
Day Fees Ph.D	1,20,450.00		73,350.00	
Day Fees MSC	9,600.00		9,300.00	
M.Tech/Ph.D Admission	34,01,600.00		1,79,336.40	
Sub Total (b)		58,58,225.00		24,11,236.40
<u>Enrolment Fee (c)</u>	32,29,200.00	32,29,200.00	26,13,100.00	26,13,100.00
<u>Library fee (d)</u>	23,96,250.00	23,96,250.00	21,84,750.00	21,84,750.00
<u>Laboratory fee:</u>				
Lab Fees B.Tech	16,75,750.00		15,53,500.00	
Lab Fees M.Tech	3,38,500.00		3,27,500.00	
Lab Fees MBA	37,500.00		37,750.00	
Lab Fees MCA	1,27,750.00		1,28,250.00	
Lab Fees Ph.D	2,00,750.00		1,22,250.00	
Lab Fees MSC	16,000.00		15,500.00	
Sub Total (e)		23,96,250.00		21,84,750.00
<u>Syllabus fee (f)</u>	3,94,800.00	3,94,800.00	3,89,700.00	3,89,700.00
B. Examinations				
<u>Admission test fee</u>	-		-	
<u>Mark sheet, certificate fee</u>	-		-	
<u>Entrance examination fee</u>				
C. Other fees				
Identity card fee	1,04,300.00		1,00,425.00	
Fine/Miscellaneous fee				
Medical fee	23,96,250.00		21,84,750.00	
<u>Transportation fee:</u>				
Bus Charges from Student	9,18,415.00		8,49,450.00	
Hostel fee				
Development Fees	12,33,000.00		11,38,250.00	
Magazine Fees	6,39,100.00		5,52,000.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Placement Charges	26,56,675.00		25,51,250.00	
Student Welfare Fees	4,62,000.00		4,25,700.00	
Total		84,09,740.00		78,01,825.00
D. Sale of publications				
Sale of syllabus and Question Paper, etc.				
Sale of prospectus including admission forms				
E. Other Academic Receipts				
DASA Fees	77,90,369.46	77,90,369.46	85,26,577.57	85,26,577.57
Grand Total		38,41,50,049.46		38,41,06,998.97

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 10- GRANTS & DONATIONS

(Amount-Rs)

Particulars	Recurring (OH-31)	Non-Recurring (OH-35)	Salary (OH-36)	Current Year Total	Previous Year Total
Balance B/F (a)	86,06,21,996.43	1,07,60,96,422.00	(1,20,79,25,104.40)	72,87,93,314.03	40,52,82,635.23
Add: Receipts during the year				-	-
Grant amount received (b)	45,03,00,000.00	5,64,00,000.00	1,13,61,00,000.00	1,64,28,00,000.00	1,26,84,00,000.00
Internal Accrual (c)	35,36,75,215.00	-	-	35,36,75,215.00	-
Total (d = a+b+c)	1,66,45,97,211.43	1,13,24,96,422.00	(7,18,25,104.40)	2,72,52,68,529.03	1,67,36,82,635.23
Less: Refund to UGC/Govt of India (e)	-	-	-	-	-
Balance (f = d-e)	1,66,45,97,211.43	1,13,24,96,422.00	(7,18,25,104.40)	2,72,52,68,529.03	1,67,36,82,635.23
Less: Utilised for Capital expenditure (A) (g)	2,23,89,878.00	22,31,27,732.35	-	24,55,17,610.35	10,49,03,074.00
Balance (h= f-g)	1,64,22,07,333.43	90,93,68,689.65	(7,18,25,104.40)	2,47,97,50,918.68	1,56,87,79,561.23
Less: Utilised for Revenue expenditure (B) (i)	82,14,29,606.69	4,81,07,261.00	16,84,36,208.04	1,03,79,73,075.73	83,99,86,247.20
Balance	82,07,77,726.74	86,12,61,428.65	(24,02,61,312.44)	1,44,17,77,842.95	72,87,93,314.03
Transfer of IRG in case of shortfall of Grants in terms of MHRD Letter No. Fno. 23011/02/2018-IF.I dated 25-10-2018 [From Grant Head OH 31 to OH 36]	(35,36,75,215.00)	-	-	-35,36,75,215.00	
Transfer to Corpus/Capital Fund in terms of MHRD Letter			24,02,61,312.44	24,02,61,312.44	

No. Fno. 23011/02/2018-IF.I dated 25-10-2018					
Balance C/F (k = h-i)	46,71,02,511.74	86,12,61,428.65	-	1,32,83,63,940.39	72,87,93,314.03

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 11- INCOME FROM INVESTMENTS

(Amount-Rs)

Income from Earmarked/Endowment Funds	Current Year	Previous Year
1) Interest		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2) Interest on Term deposits	12,13,348.00	-
3) Income accrued but not due on Term Deposits/Interest bearing advances to employees(Refer Schedule 2)	2,33,39,336.00	2,35,87,821.96
4) Interest on Saving Bank Accounts	4,18,858.00	13,70,087.00
5) Others		
Total	2,49,71,542.00	2,49,57,908.96
Transferred To Earmarked/Endowment Funds	2,49,71,542.00	2,49,57,908.96

Income Others	Current Year	Previous Year
1) Interest		
a) On Govt. Securities	-	-
b) Other Bonds/Debentures	-	-
2) Income Received		
a) Each Fund separately	-	-
3) Income accrued		
a) Each Fund separately	-	-
4) Others (Specify)	-	-
Total		

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 12- INTEREST EARNED

(Amount-Rs)

Income Others	Current Year	Previous Year
1. On Saving Accounts with Scheduled banks	29,96,906.00	21,46,613.00
2. On Loans		
a) Employees/Staff		
Interest on House Building Loan Recovery	-	1,63,710.00
Interest on Motorcycle Loan Recovery	6,976.00	3,488.00
Interest on Other Advance	16,933.00	-
b) Others		
3. On Debtors and Other Receivables-		
Rites Gurgaon	-	4,15,350.00
4. On Term Deposit with Scheduled banks	9,72,85,433.00	7,69,39,404.37
Total	10,03,06,248.00	7,96,68,565.37

SCHEDULE 13- OTHER INCOME

(Amount-Rs)

Particulars	Current Year	Previous Year
A. Income from Land & Building		
<u>1. Hostel Room Rent</u>		
Hostel Fan Charges	13,45,650.00	13,41,000.00
Hostel Room Rent	33,64,125.00	33,52,500.00
Hostel Utensils	8,97,100.00	8,93,400.00
Hostel & Colony (User Charges)	53,625.00	
Shop/Canteen Rent, Electric Charges & Water Charges	6,11,470.80	2,68,216.00
Rent from Staff Quarter	13,92,900.00	8,93,320.00
Building Rent	1,71,992.40	1,98,590.00
Income from Guest House	18,87,080.00	12,86,780.00
<u>2. License fee</u>		
3. Hire Charges of Auditorium/Play ground/Convention Centre, etc		
4. Electricity & water charges		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Hostel Electricity Charges	77,59,103.60	70,00,599.40
Water/Electricity Charges from Contractor & Staff Quarter	23,35,499.00	22,73,494.80
Total	1,98,18,545.80	1,75,07,900.20
B. Sale of Institute's publications	-	-
C. Income from holding events	-	-
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. 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	-	-
7. Grants/Donations from institutions, Welfare Bodies and International Organizations		
8. Others		
Computer hiring charges	5,325.00	-
Computer Stationery Charges	28,65,000.00	25,69,875.00
E-Mail Charges	41,33,850.00	37,50,750.00
Medical Contribution	13,77,725.00	6,15,675.00
Recreation Fees	95,85,000.00	87,39,000.00
Student study tour	33,948.00	1,13,250.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Reference material	3,75,000.00	3,77,500.00
Verification of Degree/Migration/Mark sheet	18,71,903.00	10,93,901.00
Alumni Fees	8,52,600.00	4,55,100.00
CMDR	27,300.00	2,02,363.00
M.Sc Admission	1,00,000.00	5,17,500.00
Miscellaneous Receipts Institute	12,97,674.03	4,47,221.00
Sale of Tender Form	1,71,700.00	1,18,850.00
Vehicle Charges	65,462.00	2,68,152.00
Library Misc Receipt	1,09,766.00	-
Seminar & Conference	-	2,37,608.00
Retention of Service Charges	51,309.00	
Leave Salary	3,30,682.00	3,89,606.00
Pension Contribution	14,26,525.00	6,49,187.00
RTI Fees	720.00	1,210.00
Total	2,46,81,489.03	2,05,46,748.00
Grand Total (A+B+C+D)	4,45,00,034.83	3,80,54,648.20

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 14- PRIOR PERIOD INCOME

(Amount-Rs)

<u>PARTICULARS</u>	CURRENT YEAR	PREVIOUS YEAR
1. Academic Receipts		
2. Income from Investments	-	-
3. Interest Earned		
Interest from Rites Ltd		21,17,384.00
4. Other Income		
Other Income		
TEQIP I	-	70,84,346.00
Retirement Benefit Received from Other Institution		43,51,523.00
Total	-	1,35,53,253.00

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT**SCHEDULE 15 – STAFF PAYMENTS & BENEFITS****(Amount-Rs)**

Particulars	Current Year				Previous Year			
	Non-recurring (oh-35)	Recurring (oh-31)	Salary (oh-36)	Total	Non-recurring (oh-35)	Recurring (oh-31)	Salary (oh-36)	Total
a) Salaries and Wages (Refer Annexure H (1))	-	14,69,97,535.00	42,51,86,980.00	57,21,84,515.00	-		38,80,48,760.00	38,80,48,760.00
b) Allowances and Bonus (Refer Annexure H (2))	-	91,990.00	8,74,26,864.00	8,75,18,854.00	-		20,15,28,345.40	20,15,28,345.40
c) Contribution to Provident Fund	-	4,70,730.00		4,70,730.00	-		10,94,530.00	10,94,530.00
d) Contribution to Other Fund (specify)				-			-	-
New Pension Scheme	-	1,94,09,375.00		1,94,09,375.00	-		1,43,95,041.00	1,43,95,041.00
e) Staff Welfare Expenses	-		-	-	-		-	-
f) Retirement and Terminal Benefits (Refer Annexure H (3))	-	46,81,01,876.00		46,81,01,876.00	-		13,85,16,608.00	13,85,16,608.00
g) LTC facility	-		49,10,933.04	49,10,933.04	-		32,42,622.00	32,42,622.00
h) Medical facility	-		-	-	-		-	-
i) Children Education Allowance	-		40,83,878.00	40,83,878.00	-		22,30,856.00	22,30,856.00
j) Honorarium	-		-	-	-		-	-
k) Others (specify)	-		-	-	-		-	-
Retention of Service Charges			-	-			1,33,992.00	1,33,992.00
TOTAL	-	63,50,71,506.00	52,16,08,655.04	1,15,66,80,161.04	-		74,91,90,754.40	74,91,90,754.40

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

STAFF PAYMENTS & BENEFITS
H (3). RETIREMENT AND TERMINAL BENEFITS

(Amount in Rs.)

Particulars	Expenditure for the year ended on 31/03/2018	Journal Entry Adjustment		Current Year 2018-19	Previous Year 2017-18
		Provision as on 01/04/2018	Provision as on 31/03/2018		
Commuted Value of Pension	5,75,31,191.00	-	3,73,646.00	5,79,04,837.00	67,59,079.00
Gratuity	3,03,33,369.00		2,48,520.00	3,05,81,889.00	1,92,04,009.00
Medical Allowance (Pensioner)	61,59,483.00	1,96,000.00	3,91,000.00	63,54,483.00	23,17,700.00
Pension Pay	8,30,51,062.00	32,64,712.00	20,54,31,865.00	28,52,18,215.00	3,78,64,481.00
Pension Relief	3,41,26,544.00	55,90,547.00	13,94,868.00	2,99,30,865.00	6,61,63,668.00
Arrears of Pension	5,81,01,144.00	9,835.00	20,278.00	5,81,11,587.00	62,07,671.00
Total	26,93,02,793.00	90,61,094.00	20,78,60,177.00	46,81,01,876.00	13,85,16,608.00

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 16 – ACADEMIC EXPENSES

(Amount-Rs)

Particulars	Current year				Previous year			
	Non-recurring (oh-35)	Recurring (oh-31)	User expenses	Total	Non-recurring (oh-35)	Recurring (oh-31)	User expenses	Total
a) Laboratory expenses	-	-	-	-	-	-	-	-
b) Field work/Participation	-	-	-	-	-	-	-	-
c) Seminar/Workshop	-	-	-	-	-	-	-	-
d) Payment to visiting faculty	-	-	-	-	-	-	-	-
e) Examination	-	-	-	-	-	-	-	-
f) Student Welfare expenses	-	-	-	-	-	-	-	-
g) Admission expenses				-				-

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

MBA Admission			3,63,415.00	3,63,415.00			2,36,000.00	2,36,000.00
h) Convocation expenses				-				-
Convocation expenses		-	24,19,989.00	24,19,989.00		25,00,073.00	-	25,00,073.00
i) Publications				-				-
j) Stipend/means-cum-merit scholarship				-				-
Stipend M Tec		8,28,13,246.00		8,28,13,246.00		8,90,23,605.00		8,90,23,605.00
Stipend Ph.D		9,65,43,471.00		9,65,43,471.00		9,57,42,992.00		9,57,42,992.00
Merit Scholarship		8,61,000.00		8,61,000.00		6,52,960.00		6,52,960.00
k) Subscription Expenses				-				-
l) Others (specify)				-				-
Alumni Expenses			-	-			8,65,200.00	8,65,200.00
Faculty Recruitment		-		-		1,17,166.00		1,17,166.00
Refund of Excess Fees			3,25,84,471.00	3,25,84,471.00			37,80,223.00	37,80,223.00
Student Club/Student Activity Centre			88,60,232.45	88,60,232.45			77,12,383.00	77,12,383.00
Total	-	18,02,17,717.00	4,42,28,107.45	22,44,45,824.45	-	18,80,36,796.00	1,25,93,806.00	20,06,30,602.00

SCHEDULES FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 17 – ADMINISTRATIVE AND GENERAL EXPENSES

(Amount-Rs)

Particulars	Current Year					Previous Year				
	Salary (oh-36)	Non- recurring (oh-35)	Recurring (oh-31)	User payment	Total	Salary (oh-36)	Non- recurring (oh-35)	Recurring (oh-31)	User payment	Total
A. Infrastructure										-
a) Electricity and power										-
Colony				26,46,976.00	26,46,976.00				23,97,531.00	23,97,531.00
Hostel				1,83,72,957.00	1,83,72,957.00				1,74,47,715.00	1,74,47,715.00
Institute			5,77,88,442.00		5,77,88,442.00			5,75,31,495.00		5,75,31,495.00
b) Water charges					-					-
c) Insurance					-					-
d) Rent, Rates and Taxes (including property tax)					-					-
Rent & Taxes - Hostel and Colony			2,24,13,587.00		2,24,13,587.00			5,80,28,946.00		5,80,28,946.00
Water Tax			50,42,951.00		50,42,951.00					-
B. Communication					-					-
e) Postage & telegram			43,389.00		43,389.00			28,400.00		28,400.00
f) Telephone and Internet Charges					-					-
Telephone Expenses	22,66,283.00				22,66,283.00	16,81,499.00		3,77,544.00		20,59,043.00
Rental Charges of Internet Bandwidth (Internet Charge)			67,18,867.00		67,18,867.00			34,53,560.00		34,53,560.00
C. Others					-					-
g) Printing and Stationary			13,61,471.00		13,61,471.00			5,22,399.00		5,22,399.00
h) Travelling and Conveyance Expenses			23,08,635.69		23,08,635.69			34,49,741.00		34,49,741.00
j) Hospitality					-					-
j) Auditors Remuneration					-					-

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Audit Fees AGUP			-		-			-		-
Chartered Accountant Fees			2,32,400.00		2,32,400.00			1,85,400.00		1,85,400.00
k) Professional Charges					-					-
l) Advertisement and Publicity					-					-
Advertisement			12,10,483.00		12,10,483.00			38,09,661.00		38,09,661.00
m) Magazines & Journals					-					-
Library & E-Journals	-	4,53,60,195.00			4,53,60,195.00	-		-		-
n) Others (specify)					-					-
Legal Expenses			6,69,274.00		6,69,274.00			1,72,575.00		1,72,575.00
Library Operating Cost (incl TLB)					-			5,19,004.00		5,19,004.00
Liveries to Staff			2,65,490.00		2,65,490.00			1,63,400.00		1,63,400.00
M.SC Admission					-			44,500.00		44,500.00
Utensil Charges				75,074.00	75,074.00			2,97,340.00		2,97,340.00
Miscellaneous Contingencies			33,95,540.00		33,95,540.00			20,93,540.80		20,93,540.80
Misc. Expenses- hostel			11,50,974.00	29,710.00	11,80,684.00			8,79,581.00	42,118.00	9,21,699.00
Research Grant			-		-			1,57,921.00		1,57,921.00
Security Charges			4,31,73,564.00		4,31,73,564.00			4,79,20,746.00		4,79,20,746.00
Recreation Club Teaching & Non Teaching			52,500.00		52,500.00			61,000.00		61,000.00
Anti Ragging Squad			3,15,289.00		3,15,289.00			15,09,816.00		15,09,816.00
Training for Faculty Staff			-		-			915.00		915.00
Executive Development Centre			9,49,334.00		9,49,334.00			5,41,639.00		5,41,639.00
Medical Reimbursement	43,58,780.00				43,58,780.00			35,48,750.00		35,48,750.00
Medicine including Doctors visit Fees	30,12,113.00				30,12,113.00			12,20,331.00		12,20,331.00
Science City Salary					-					-
NIT Transit House Contribution			2,50,000.00		2,50,000.00			2,50,000.00		2,50,000.00
B.O.G & Meetings			16,97,155.00		16,97,155.00			16,60,059.00		16,60,059.00
Seminar & Conference			1,53,435.00		1,53,435.00			50,000.00		50,000.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Application fees for appointment				1,36,000.00	1,36,000.00				46,740.00	46,740.00
CMDR					-			7,05,992.00		7,05,992.00
GST Paid against bill					-		98,000.00	21,04,179.00		22,02,179.00
Hostel & Colony (User Charges)					-				3,02,013.00	3,02,013.00
Raw Material & Consumable					-				10,004.00	10,004.00
Campus Interview and Placement				5,00,072.00	5,00,072.00					
NCC/NSS			3,15,520.00		3,15,520.00					
o) Purchase/Consumables (As per Annexure I)			1,32,83,019.00		1,32,83,019.00			1,32,04,337.00		1,32,04,337.00
Total	96,37,176.00	4,53,60,195.00	16,27,91,319.69	2,17,60,789.00	23,95,49,479.69	16,81,499.00		20,41,50,931.80	2,05,87,961.00	22,65,18,391.80

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE I OF SCH 17

DOC/CONSUMABLES/ACADEMIC DEPARTMENTS AND CENTERS

(Amount in Rs.)

Particulars	Current Year 2018-19	Previous Year 2017-18
Purchases - Consumables-(U.G.&P.G.)		
Applied Mechanics Department	7,75,570.00	6,13,477.00
Biotech Department	9,16,440.00	6,47,119.00
Campus Interview and Placement		2,03,449.00
Chemistry Department	4,77,168.00	3,89,094.00
Civil Engineering Department	9,47,152.00	6,15,222.00
Computer Science Department	11,79,126.00	14,31,710.00
Electronics and Communication Engineering Department	5,73,563.00	5,63,972.00
Electrical Engineering Department	8,24,920.00	6,55,009.00
GIS Cell	4,05,744.00	1,81,915.00
Humanities Department	3,36,907.00	2,91,303.00
Computer Centre	7,17,207.00	7,57,406.00

Maths Department	3,98,112.00	2,86,581.00
Mechanical Engineering Department	12,77,743.00	16,10,938.00
NCC		4,45,770.00
SMS/MBA Operating Cost	12,79,695.00	6,66,975.00
Physics Department	3,26,357.00	1,54,546.00
Training & Placement	3,99,703.00	4,18,546.00
Workshop - Mechanical Department	5,25,302.00	8,37,721.00
Chemical - Engineering Department	9,17,000.00	6,25,388.00
Centre for Interdisciplinary Research	2,41,574.00	3,71,463.00
CMDR	2,97,135.00	
Library Operating Cost (incl TLB)	4,66,601.00	
P G Operating Cost	-	14,36,733.00
Total	1,32,83,019.00	1,32,04,337.00

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 18 – TRANSPORTATION EXPENSES

(Amount-Rs)

Particulars	Current Year			Previous Year		
	Non-recurring (oh-35)	Recurring (oh-31)	Total	Non-recurring (oh-35)	Non- plan	Total
1. Vehicles (owned by educational institution)						
a) Running expenses	-	-	-	-	-	-
b) Maintenance of Vehicle	-	12,77,804.00	12,77,804.00	-	12,86,155.00	12,86,155.00
c) Insurance expenses	-		-	-	-	-
2. Vehicles taken on rent/lease	-	-	-	-	-	-
a) Rent/lease expenses						-
3. Vehicle(Taxi) Hiring Expenses						
Total	-	12,77,804.00	12,77,804.00	-	12,86,155.00	12,86,155.00

SCHEDULE 19 – REPAIRS & MAINTENANCE

(Amount-Rs)

Particulars	Current Year			Previous Year		
	Non-recurring (oh-35)	Recurring (oh-31)	Total	Non-recurring (oh-35)	Recurring (oh-31)	Total
a) Building						
Renovation of Building Structure		3,06,56,472.00	3,06,56,472.00		4,07,02,673.00	4,07,02,673.00
b) Furniture & Fixture			-			-
Maintenance of Furniture			-			-
c) Plant & Machinery			-			-
d) Office Equipments						
Maintenance of Computer & Equipment		20,00,721.00	20,00,721.00		19,89,921.00	19,89,921.00
General Utility Equipment	27,47,066.00		27,47,066.00	97,00,401.00		97,00,401.00
e) Computers			-			-
f) Laboratory & Scientific Equipment			-			-
g) Audio Visual Equipment			-			-
h) Cleaning Material & Services			-			-
i) Book binding charges			-			-
j) Gardening Expenses						
Maintenance Lawns & Gardens		1,27,939.00	1,27,939.00		2,26,636.00	2,26,636.00
k) Estate Maintenance			-			-
l) Others (specify)						
Renovation of Electric System & Facilities		99,79,218.00	99,79,218.00		1,12,85,078.00	1,12,85,078.00
Total	27,47,066.00	4,27,64,350.00	4,55,11,416.00	97,00,401.00	5,42,04,308.00	6,39,04,709.00

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 20 – FINANCE COSTS

(Amount-Rs)

Particulars	Current Year				Previous Year			
	Non-recurring (oh-35)	Recurring (oh-31)	User expenses	Total	Non-recurring (oh-35)	Recurring (oh-31)	User expenses	Total
a) Bank Charges			93,920.27	93,920.27	-	-	88,122.80	88,122.80
b) Others (Specify)				-	-	-	-	-
Total	-	-	93,920.27	93,920.27	-	-	88,122.80	88,122.80

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 21 – OTHER EXPENSES

(Amount-Rs)

Particulars	Current Year			Previous Year		
	Non-recurring (oh-35)	Recurring (oh-31)	Total	Non-recurring (oh-35)	Recurring (oh-31)	Total
a) Provision for Bad and Doubtful Debts/Advances			-	-	-	-
b) Irrecoverable Balances Written-off			-	-	-	-
c) Grants/Subsidiaries to other institutions/ organisations			-	-	-	-
d) Others (specify)			-		-	-
Govt. Schemes and Programs		2,59,330.00	2,59,330.00		2,17,295.00	2,17,295.00
Total	-	2,59,330.00	2,59,330.00	-	2,17,295.00	2,17,295.00

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

SCHEDULE 22 – PRIOR PERIOD EXPENSES

(Amount-Rs)

Particulars	Current Year				Previous Year			
	Non-recurring (oh-35)	Recurring (oh-31)	User payment	Total	Non-recurring (oh-35)	Recurring (oh-31)	User payment	Total
1) Establishment Expenses								
Cumulative Professional Development Allowance				-		80,000.00		80,000.00
2) Academic Expenses				-				-
Examination fees				-				-
3) Administrative Expenses				-				-
Income Tax Demand Earlier Years				-				-
4) Transportation Expenses				-				-
5) Repair & Maintenance				-				-
6) Other Expenses				-				-
Advance Adjustment		1,88,391.00	-	1,88,391.00			29,400.00	29,400.00
Total	-	1,88,391.00	-	1,88,391.00	-	80,000.00	29,400.00	1,09,400.00

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY, ALLAHABAD

SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE YEAR 2018-2019

SCHEDULE 23 - 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.

Fixed assets are valued at cost less accumulated depreciation.

INTANGIBLE ASSETS:

E-Journals and Computer Software are grouped under Intangible asset

E-Journals are separated from library books in view of the limited benefit that could be derived from the on-line access provided. E-journals are not in a tangible form, but temporarily capitalized and in view of the magnitude of expenditure and the benefits derived in terms of perpetual knowledge acquired by the Academic and Research Staff

DEPRECIATION:

Depreciation on fixed assets has been charged on Straight Line method at rates as prescribed in the Uniform Accounting Standard for all education institutions under MHRD. Depreciation is provided for the whole year on additions during the year. Assets are depreciated over the useful life so that residual value does not fall below 5% of the cost except intangible asset i.e. in cases where residual value is 5% or less of the cost, depreciation is not charged over such assets.

Depreciation on fixed assets has been charged to income and expenditure account by corresponding credit to income & expenditure statement from capital fund

Depreciation on fixed assets created out of subsidiary funds are charged by the Institute on Straight Line method at rates as prescribed in the Uniform Accounting Standard for all education institutions under MHRD, in cases where subsidiaries have charged depreciation the same has not been considered.

SUBSIDIARIES

Subsidiary unit accounts are prepared separately, however for overall reporting purpose, it is merged with Main Institute Final Accounts.

GOVERNMENT GRANTS/ SUBSIDIES:

Government Grants relating to depreciable fixed assets has been taken to Capital Fund account to be recognised in the income and expenditure statement on a systematic and rational basis over the useful life of the asset.

Government grants and subsidies are accounted on receipt basis and/or where there is a reasonable assurance that the grant will be received. Where a sanction for release of grant pertaining to the financial year is received before 31st March and the grant is actually received in the next financial year, the grant is accounted on accrual basis and an equal amount is shown as recoverable from the Grantor.

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.

Advances given out of Grant for Capital and Revenue purposes are taken as Grant utilised only when such advance is capitalised or expenditure has been booked.

RETIREMENT BENEFITS:

Pension, Gratuity and Leave Encashment payable on death / retirement of employees for the year 2018-19 is 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.

EARMARKED/ENDOWMENT FUNDS:

Long Term Funds are earmarked for specific purposes. Each of the funds has a separate bank account. Those with large balances also have investments in Term Deposits with banks. The income from investments are credited to the respective funds. The expenditure and advances are debited to the fund.

TAXATION:

Institute being autonomous body exempt from income tax u/s 10(23C)(iiiab) of the Income Tax Act, 1961, 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 from the year 2014-2015 is prepared on the basis of New Format of Accounts for CEI's 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

During the year excess utilised grant under head Salary (OH-36) has been met out of IRG receipts for the year 2018-19 and thereafter balance amount has been met out of Corpus/Capital Fund of the Institute in terms of MHRD letter No. Fno. 23011/02/2018-IF.I dated 25-10-2018

During the year amount of Rs. 70,81,35,802.37/- has been transferred from Capital Fund of the Institute to Corpus Fund separately maintained alongwith corresponding Investment in FDR and Accrued Interest as on 31.03.2019 in terms of 52 FC-52.06

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

Assets created out of Projects account where ownership has been transferred to institute has been taken as asset of institute . Assets where ownership has not been transferred to institute has been shown under project fixed assets as the ownership of the assets is with the sponsor and corresponding balance is taken in subsidiary fund account (Project Fund)

Foreign Currency Earnings and Outgo during the year 2018-19 is :-

Earnings: Nil

Outgo: USD 9,34,995.97/-, GBP 89,549/- and Euro 1,756/-

Caution Money received by the Institute has been considered as current liability being repayable on demand

During the year Pensionary Benefits of Employees as per Actuarial Valuation Report amounting to Rs. 19,45,23,510/- has been provided for.

Income and Expense related to previous years where ever occurred due to reconciliation of entries has been taken to Prior Period Income/Expense.

Cancelled cheque amounting to Rs. 1,57,99,408/= reflected under Annexure B(6) of Sch. 3 is subject to reconciliation

Advance for fixed assets and revenue expenses at Schedule G(iii) are subject to reconciliation and confirmation.

Year end balance of Stores & Spares, Loose Tools, Publication, Lab Chemicals, Consumables and Glass ware, Building or Electrical Material, Stationery, etc are taken as stock only if the same is significant w.r.t. total expenditure incurred else it is considered as an expense in the year of purchase.

Subsidiary account of Nodal Centre has been closed hence not incorporated during the year, however closing entries in institute books is to be passed.

Interest accrued and TDS deducted thereon for subsidiaries has been taken to the extent such informations are made available and provided by the subsidiaries.

SCHEDULE FORMING PART OF THE ACCOUNTS FOR THE YEAR 2018-2019

SCHEDULE 24 - CONTINGENT LIABILITIES AND NOTES TO ACCOUNTS

CONTINGENT LIABILITIES

As on 31.03.2019 Court Cases filed against the Institution, by former/ present employees, tenants and contractors and arbitration cases with contractors, were pending for decisions. The suits filed by employees were establishment -related viz promotions, increments, pay scales, termination etc. The quantum of the claims is not ascertainable. The claim in the suits and arbitration cases by contractors amounted to Rs. 5,76,07,459/- + Interest.

Letters of credit established by the Bank on behalf of the Institution and outstanding on 31.03.2019 - Nil

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE (i) OF SCH 1 (A-1)

INCOME FROM SUBSIDIARY FUNDS

(Amount in Rs.)

Particulars	Current Year 2018-2019		Previous Year 2017-2018
1) Interest Received			
a) On Term Deposits with Scheduled Banks:			
Alumni Association	10,51,803.00		3,46,601.00
Dean Academic Affairs- Autosweep	5,083.00		
G.K. Agarwal Trust	17,497.00		18,162.00
Industrial Estate	22,11,449.00		23,51,084.00
Project Account	69,86,256.00		18,30,287.00
Research & Consultancy Cell	66,51,813.00		47,58,930.00
SNFCE	12,76,875.00		13,89,964.00
Sponsored Gold Medal	1,99,473.00		30,383.00
Student Welfare Fund	13,20,505.51		30,23,256.00
		1,97,20,754.51	
b) On Savings Account with Scheduled Bank:			
Alumni Association	41,235.00		5,20,815.00
Dean Academic Affairs	5,69,459.00		9,66,045.00
G.K. Agarwal Trust	1,100.00		3,716.00
Industrial Estate	3,35,272.00		4,43,833.00
P.D.T.C.	7,407.00		7,915.00
Project Account	1,02,607.00		31,13,764.00
Research & Consultancy Cell	10,32,892.00		15,51,114.00
SNFCE	1,67,453.00		1,45,239.00
Sponsored Gold Medal	1,921.00		3,922.00
Student Welfare Fund	3,519.00		98,233.00
TEQIP - II	50,885.00		1,80,268.00
Text Book Lending Bank	20,699.00	23,34,449.00	21,696.00

2) Revenue Income:			
Alumni Association	30,20,244.87		73,69,068.94
Dean Academic Affairs	6,05,19,457.40		-
Dean Academic Affairs- Prior Period	-		50.40
Industrial Estate	-		11,92,974.00
Project Account	11,06,476.00		18,46,910.00
Research & Consultancy Cell	1,20,62,569.00		84,46,075.00
Research & Consultancy Cell-Prior Period	-		1,82,78,242.39
SNFCE	-		1,01,500.00
Student Welfare Fund	24,51,208.00		10,81,387.00
TEQIP II	-		63,305.00
TEQIP II- Prior Period	1,46,184.00		1,28,358.00
Text Book Lending Bank	15,395.00		27,594.00
Sponsored Gold Medal	-	7,93,21,534.27	-
Total		10,13,76,737.78	5,93,40,691.73

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE (ii) OF SCH 1 (A-1)

EXPENDITURE OF SUBSIDIARIES

(Amount in Rs.)

Particulars	Current Year 2018-19	Previous Year 2017-18
Alumni Association	38,08,688.90	26,65,888.40
Dean Academic Affairs	90,08,112.12	1,07,69,070.70
G K Agrawal Trust	25.00	-
Industrial Estate	12,58,974.00	10,85,333.00
Project Account	86,562.35	11,63,791.70
Research & Consultancy Cell	28,74,229.34	24,43,526.50
Research & Consultancy Cell- Prior Period	1,82,78,242.39	
School of Non Formal Continuing Education	7,91,038.00	9,27,922.00
Sponsor Gold Medal	71,115.00	-

Student Welfare Fund	10,39,694.00	10,27,213.00
TEQIP - II	23,65,798.70	1,01,99,504.75
Text Book Lending Bank	7,056.00	17,071.00
Total	3,95,89,535.80	3,02,99,321.05

SCHEDULE FORMING PART OF INCOME AND EXPENDITURE ACCOUNT

ANNEXURE (iii) OF SCH 1 (A-1)

DEPRECIATION OF SUBSIDIARIES

(Amount in Rs.)

Particulars	Current Year 2018-19	Previous Year 2017-18
Alumni Association	1,02,198.00	98,849.00
Dean Academic Affairs	1,01,699.00	79,435.00
Industrial Estate	11,674.00	11,674.00
Nodal Centre (NTMIS)	21,741.00	21,741.00
Project Account	60,12,748.00	55,84,130.00
Research & Consultancy Cell	33,53,695.00	33,15,961.00
School of Non Formal Continuing Education	4,968.00	4,968.00
Student Welfare Fund	1,04,074.00	1,04,074.00
TEQIP - II	34,27,972.00	34,27,972.00
Total	1,31,40,769.00	1,26,48,804.00

RECEIPT & PAYMENT ACCOUNT FOR THE YEAR ENDING 31ST MARCH, 2019

(Amount in Rs.)

Receipts	Current Year		Previous Year	
I. OPENING BALANCE:				
Cash in Hand		7,470.00		49,272.00
Bank Account:				
State Bank of India - Power Jyoti	11,711.71		9,038.71	
State Bank of India - New Fees Account	46,50,07,327.96	46,50,19,039.67	16,82,37,546.96	16,82,46,585.67
Savings Account & Autosweep:				

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

<u>Vijaya Bank</u>		22,89,34,514.78		12,13,67,533.07
In Fixed Deposits with Banks:				
Institute				
State Bank of India	86,48,49,276.00		80,67,60,339.00	
<u>Caution Money</u>				
State Bank of India	17,27,804.00		17,27,804.00	
<u>Vijaya Bank</u>	85,00,000.00	87,50,77,080.00	85,00,000.00	81,69,88,143.00
Earmarked and Endowment Fund:				
<u>Contributory Provident Fund:</u>				
Contributory Provident Fund (SB)	22,94,273.12		1,51,534.12	
Contributory Provident Fund FDR	1,43,89,470.00		1,22,98,067.00	
General Provident Fund:				
General Provident Fund - with Treasury	10,07,349.00		10,07,349.00	
General Provident Fund - with Vijaya Bank (FDR)	24,89,28,729.00		22,71,69,919.00	
General Provident Fund - with Vijaya Bank (SB)	1,69,26,626.00		9,49,076.00	
Corpus Fund				
Corpus Fund-with (SBI-SB)	1,02,43,024.00		96,32,841.00	
Corpus Fund-with (SBI-FDR)	16,46,79,553.00		14,58,00,000.00	
Development/Renewal Fund				
Development/Renewal Fund (SBI-SB)	3,39,383.00		3,21,690.00	
Development/Renewal Fund (SBI-FDR)	6,31,835.00		5,50,000.00	
Maintenance Fund				
Maintenance Fund (SBI-SB)	3,38,860.00		3,21,199.00	
Maintenance Fund (SBI-TDR)	6,31,835.00		5,50,000.00	
Staff Development Fund				
Staff Development Fund (SBI-SB)	3,54,915.00		3,36,283.00	
Staff Development Fund (SBI-TDR)	13,78,551.00		12,00,000.00	
New Pension Scheme:				
Vijaya Bank Saving Account	1,24,70,777.00		80,73,928.00	
Vijaya Bank Autosweep FDR	-	47,46,15,180.12	-	40,83,61,886.12

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

<u>In Subsidiary Funds:</u>			
<u>Admission Committee</u>	7,04,312.00		7,04,312.00
<u>Alumni Association</u>			
<u>Savings Account</u>	68,16,543.37		13,29,553.83
<u>Fixed Deposits</u>	1,05,41,505.00		1,05,41,505.00
<u>Dean Academic Affairs</u>	1,89,27,319.20		2,97,17,201.50
<u>G. K. Agarwal Trust :</u>			
<u>Savings Account:</u>	2,89,206.00		2,67,328.00
<u>Fixed Deposits</u>	3,00,000.00		3,00,000.00
<u>Industrial Estate</u>			
<u>Current Account</u>	1,13,35,054.51		1,08,98,809.51
<u>Fixed Deposits</u>	3,32,88,877.00		3,17,92,593.00
<u>Kitchen Project</u>	6,272.00		6,272.00
<u>Nodal Centre</u>	82,770.00		82,770.00
<u>P.D.T.C.</u>	2,08,867.00		2,00,952.00
<u>Project Account</u>			
<u>Savings & Auto Sweep Account</u>	9,24,61,079.08		2,91,05,010.78
<u>Fixed Deposits</u>	3,15,00,998.00		2,96,70,711.00
<u>Research & Consultancy Cell :</u>			
<u>Savings & Auto Sweep Account</u>	3,53,11,138.92		3,02,43,021.42
<u>Fixed Deposits</u>	8,00,96,566.00		7,53,37,636.00
<u>School of Non Formal Continuing Education :</u>			
<u>Current Account</u>	45,46,927.00		38,43,146.00
<u>Fixed Deposits</u>	1,98,02,189.00		1,98,02,189.00
<u>Sponsored Gold Medal</u>			
<u>Savings Account</u>	2,54,701.00		2,20,396.00
<u>Fixed Deposits</u>	3,88,488.00		3,88,488.00
<u>Student Welfare Fund :</u>			
<u>Savings Account</u>	52,27,308.00		95,25,845.00
<u>Fixed Deposits</u>	2,05,82,050.00		1,25,82,050.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

TEQIP - II	23,03,369.70		2,02,67,452.45	
Text Book Lending Bank	5,80,878.00	37,55,56,418.78	5,48,659.00	31,73,75,901.49
II. GRANT RECEIVED:				
a) From Government of India				
Non Plan (Recurring) Grant	45,03,00,000.00		25,89,00,000.00	
Plan (Non Recurring) Grant	5,64,00,000.00		54,77,00,000.00	
Plan (Non Recurring) Grant	1,13,61,00,000.00	1,64,28,00,000.00	46,18,00,000.00	1,26,84,00,000.00
III. ACADEMIC RECEIPTS:				
Tuition Fees:				
Tuition Fees B.Tech	18,22,97,190.00		18,22,79,060.00	
Tuition Fees MBA	18,00,000.00		18,12,000.00	
Tuition Fees MCA	1,30,13,000.00		1,29,67,000.00	
Tuition Fees M.Tech	4,73,90,000.00		4,58,50,000.00	
Tuition Fees Ph.D.	60,28,625.00		36,67,500.00	
Tuition Fees M.Sc.	4,80,000.00		4,65,000.00	
Tuition Fees MSW	-		1,65,000.00	
Tuition Fees DASA	10,26,66,400.00		11,07,89,500.00	
Registration fee:				
Registration Fees M.Tech	1,35,400.00		1,31,000.00	
Registration Fees MBA	15,000.00		15,100.00	
Registration Fees MCA	51,100.00		51,300.00	
Registration Fees PhD	80,300.00		48,900.00	
Registration Fees MSW	-		2,200.00	
Registration Fees MSC	6,400.00		6,200.00	
Registration Fees B.Tech	6,70,300.00		6,19,200.00	
Day Fees B.Tech	10,05,450.00		9,29,900.00	
Day Fees M.Tech	2,46,950.00		2,29,250.00	
Day Fees MBA	26,250.00		26,425.00	
Day Fees MCA	89,425.00		89,775.00	
Day Fees Ph.D	1,20,450.00		73,350.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Day Fees MSC	9,600.00		9,300.00	
M. Tech/Ph.D Admission	34,01,600.00		1,79,336.40	
Enrolment Fee	32,29,200.00		26,13,100.00	
Library Admission fee	23,96,250.00		21,84,750.00	
Laboratory fee:				
Lab Fees B.Tech	16,75,750.00		15,53,500.00	
Lab Fees M.Tech	3,38,500.00		3,27,500.00	
Lab Fees MBA	37,500.00		37,750.00	
Lab Fees MCA	1,27,750.00		1,28,250.00	
Lab Fees Ph.D	2,00,750.00		1,22,250.00	
Lab Fees MSC	16,000.00		15,500.00	
Others Fees				
Syllabus fee	3,94,800.00		3,89,700.00	
Annual Examination fee				
Identity card fee	1,04,300.00	1,00,425.00	1,00,425.00	
Medical fee	23,96,250.00		21,84,750.00	
Transportation fee:				
Bus Charges from Student	9,18,415.00		8,49,450.00	
Development Fees	12,33,000.00		11,38,250.00	
Magazine Fees	6,39,100.00		5,52,000.00	
Placement Charges	26,56,675.00		25,51,250.00	
Student Welfare Fees	4,62,000.00		4,25,700.00	
NRI- Other Fees	77,90,369.46	38,41,50,049.46	85,26,577.57	38,41,06,998.97
IV. RECEIPTS AGAINST EARMARKED/ENDOWMENT FUNDS				
Contributory Provident Fund:				
Subscription	10,58,582.00		21,26,708.00	
General Provident Fund:				
Subscription	4,02,09,657.00		5,18,19,506.00	
New Pension Scheme				
Subscription and Loan Recovery	4,26,28,414.00		2,92,07,239.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Corpus Fund				
Contribution from Tequip II and R & C	3,83,45,067.00		-	
Development/Renewal Fund				
Contribution from Tequip II	45,067.00		-	
Maintenance Fund				
Contribution from Tequip II	45,067.00		-	
Staff Development Fund				
Contribution from Tequip II	45,067.00	12,23,76,921.00	-	8,31,53,453.00
V. RECEIPTS AGAINST SPONSORED FELLOWSHIPS AND SCHOLARSHIP:				
Institute				
QIP Stipend & Contingency	1,65,041.00		-	
Outside Scholarship	67,81,275.00		92,36,232.40	
U.G.C. Fellowship	20,000.00		3,52,468.00	
CSIR Delhi	7,56,000.00		90,958.00	
Fellowship CSIR	16,767.00		-	
ICSR Project	10,000.00			
Subsidiaries				
Project Account :				
Project (Running)	4,94,16,837.00		10,51,05,407.00	
Project (Deffered Grant)	54,62,224.00		78,67,331.00	
R&C Cell (Deffered Grant)	5,27,080.00	6,31,55,224.00		12,26,52,396.40
VI. INCOME ON INVESTMENT FROM				
a) EARMARKED/ ENDOWMENT FUND:				
Contributory Provident Fund:				
Interest on Contributory Provident Fund	5,28,901.57		21,31,817.00	
General Provident Fund:				
Interest on General Provident Fund	1,52,23,037.00		1,39,53,045.00	
Corpus Fund				
Revenue Income	8,52,050.00		1,95,56,513.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Development/Renewal Fund				
Revenue Income	18,994.00		1,01,057.00	
Maintenance Fund				
Revenue Income	18,960.00		1,01,022.00	
Staff Development Fund				
Revenue Income	20,000.00		1,98,817.00	
New Pension Scheme				
Interest on autosweep	5,16,312.00		-	
Interest on saving bank	15,571.00		4,24,186.00	
Subsidiary Funds				
Alumni Association	30,20,244.87		73,69,068.94	
Dean Academics	6,05,19,457.40			
Dean Academics-Prior Period	-		50.40	
Industrial Estate	-		18,81,837.00	
Project Account	11,06,476.00		18,46,910.00	
Research & Consultancy Cell	1,20,62,569.00		84,46,075.00	
Research & Consultancy Cell- Prior Period	-		1,82,78,242.39	
SNFCE	-		1,01,500.00	
Student Welfare Fund	24,51,208.00		10,81,387.00	
TEQUIP	-		63,305.00	
TEQUIP II- Prior Period	1,46,184.00		1,28,358.00	
Text Book Lending Bank	15,395.00	9,65,15,359.84	27,594.00	7,56,90,784.73
VII. INTEREST RECEIVED ON:				
Term Deposits:				
Main Institute	9,41,89,450.00		8,17,19,129.00	
Subsidiary Funds:				
Alumni Association	10,51,803.00		3,46,601.00	
Dean Academics	5,083.00			
G.K. Agarwal Trust	17,497.00		18,162.00	
Industrial Estate	21,73,460.00		23,51,084.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Project Account	69,86,256.00		18,30,287.00	
Research & Consultancy Cell	66,51,813.00		47,58,930.00	
School of Non Formal Continuing Education	12,76,875.00		13,89,964.00	
Sponsored Gold Medal	1,99,473.00		30,383.00	
Student Welfare Fund	13,20,505.51		30,23,256.00	
<u>Savings Bank & Autosweep Accounts:</u>				
Main Institute	29,96,906.00		21,46,613.00	
<u>Subsidiary Funds:</u>				
Alumni Association	41,235.00		5,20,815.00	
Dean Academic Affairs	5,69,459.00		9,66,045.00	
G. K. Agarwal Trust	1,100.00		3,716.00	
Industrial Estate	3,35,272.00		4,43,833.00	
P.D.T.C.	7,407.00		7,915.00	
Project Account	1,02,607.00		31,13,764.00	
Research & Consultancy Cell	10,32,892.00		15,51,114.00	
School of Non Formal Continuing Education	1,67,453.00		1,45,239.00	
Sponsored Gold Medal	1,921.00		3,922.00	
Student Welfare Fund	3,519.00		98,233.00	
TEQIP - II	50,885.00		1,80,268.00	
Text Book Lending Bank	20,699.00		21,696.00	
<u>On loan to Employees:</u>				
Interest on House Building Loan Recovery	-		1,63,710.00	
Interest on Motorcycle Loan Recovery	6,976.00		3,488.00	
Interest on Other Advance	16,933.00	11,92,27,479.51	-	10,48,38,167.00
<u>VIII. INVESTMENT ENCASHED</u>				
<u>IX. OTHER INCOME(INCLUDING PRIOR PERIOD INCOME)</u>				
<u>1. Hostel Room Rent</u>				
Hostel Fan Charges	13,45,650.00		13,41,000.00	
Hostel Room Rent	33,64,125.00		33,52,500.00	
Hostel Utensils	8,97,100.00		8,93,400.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Hostel & Colony (User Charges)	53,625.00		-	
Shop/Canteen Rent & Electric Charges	6,11,470.80		2,68,216.00	
Rent from Staff Quarter	13,92,900.00		8,93,320.00	
Building Rent	1,71,992.40		1,98,590.00	
Income from Guest House	18,87,080.00		12,86,780.00	
2. Electricity & water charges				
Hostel Electricity Charges	77,59,103.60		70,00,599.40	
Water/Electricity Charges from Contractor & Staff	23,35,499.00		22,73,494.80	
3. Others				
Computer hiring charges	5,325.00		-	
Computer Stationery Charges	28,65,000.00		25,69,875.00	
E-Mail Charges	41,33,850.00		37,50,750.00	
Medical Contribution	13,77,725.00		6,15,675.00	
Recreation Fees	95,85,000.00		87,39,000.00	
Student study tour	33,948.00		1,13,250.00	
Reference material	3,75,000.00		3,77,500.00	
Verification of Degree/Migration/Mark sheet	18,71,903.00		10,93,901.00	
Alumni Fees	8,52,600.00		4,55,100.00	
CMDR	27,300.00		2,02,363.00	
M.Sc Admission	1,00,000.00		5,17,500.00	
Miscellaneous Receipts Institute	12,97,674.03		4,47,221.00	
Sale of Tender Form	1,71,700.00		1,18,850.00	
Vehicle Charges	65,462.00		2,68,152.00	
Library Misc Receipt	1,09,766.00		-	
Seminar & Conference	-		2,37,608.00	
Retention of Service Charges	51,309.00		-	
Leave Salary	3,30,682.00		3,89,606.00	
Pension Contribution	14,26,525.00		6,49,187.00	
RTI Fees	720.00		1,210.00	
NIMCET fees	-	4,45,00,034.83	-	3,80,54,648.20

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

TEQUIP I		-		70,84,346.00
<u>X. DEPOSITS AND ADVANCES</u>				
Advance adjustment to Staff	1,50,73,843.00		2,45,49,010.00	
Advance adjustment to Imprest	2,54,543.00		4,87,434.00	
Advance adjustment to Parties	21,02,98,811.35		85,72,857.00	
Institute-LC Debit on account R&C Cell	61,02,585.00			
TEQUIP III	75,00,000.00		6,38,094.00	
Recovered From SBI	-		14,55,616.00	
<u>Subsidiary-</u>				
Subsidiary- Alumni Association - Advance & Imprest	2,44,487.00		30,605.00	
Subsidiary-Project Account - Advance & Imprest	10,92,278.00		8,63,375.00	
R&C Cell - Advances & Imprest	24,69,674.00		13,99,000.00	
R&C Cell - Receivable from Project Account	11,87,999.00		8,26,245.00	
Project Account - Advance for Plant and Machinery	42,07,214.00			
Industrial Estate-Advance for imprest	4,500.00		-	
TEQUIP II- Advances Recoverable	-		37,35,692.00	
Recoverable Deposit- Institute- G.I. for Students	13,07,688.00		12,38,136.00	
Recoverable Deposit- Institute-Group Insurance Scheme	12,85,845.00	25,10,29,467.35	9,86,107.00	4,47,82,171.00
<u>XI. MISCELLANEOUS RECEIPTS INCLUDING STATUTORY RECEIPTS</u>				
Income Tax	8,47,16,684.00		7,14,12,153.00	
Sales Tax	-		1,35,265.00	
GST Payable	9,626.00		15,899.00	
GST ITC	19,58,441.00		-	
Employees contribution to C.P.F	9,76,160.00		5,68,124.00	
Employees contribution to N.P.S	3,73,99,430.00		2,24,52,516.00	
GPF- contribution to employees	3,97,02,943.00		3,22,72,634.00	
<u>SUBSIDIARIES</u>				
Project Account - Income Tax	3,94,692.00		2,86,276.00	
Project Account - GST	6,193.00		-	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

R&C Cell - Income Tax	57,94,654.00		34,52,168.00	
R&C Cell - Service Tax	-		11,60,225.00	
R&C Cell - GST	97,46,633.00		27,45,888.00	
Industrial Estate- GST	2,41,007.00		40,170.00	
SNFCE - Income Tax	40,826.00	18,09,87,289.00	26,605.00	13,45,67,923.00
XII. ANY OTHER RECEIPTS				
Loan Account of PDTC & Industrial Estate	-		-	
ICCT SEED	-		1,00,000.00	
NIMSET Scheme	-		5,150.00	
TEQUIP II stipend	-		6,95,971.00	
Cancelled Cheques	54,13,647.00		56,71,155.00	
DST New Delhi	11,13,132.00		42,34,035.00	
Examination Fees	1,31,73,000.00		1,23,82,100.00	
L.I.C.	3,67,695.00		5,45,505.00	
Diety Programme	94,01,989.00		67,44,088.00	
Other Liabilities (Misc. Receipt Transfer)	1,41,81,879.05		2,68,53,152.14	
Retirement Benefit Received From Other Institution	-		43,51,523.00	
Caution Money	31,44,000.00		29,60,000.00	
Earnest Money/ Security Money	23,37,935.00		3,84,484.00	
Project Account Dean R & C	-		21,18,381.00	
Gain Project	24,48,000.00		76,16,000.00	
Stipend TEQUIP II (R&C)	-		15,00,000.00	
Sipee 17	-		2,56,000.00	
Library Security Money	6,00,000.00		-	
Prime Minister/Chief Minister Relief Fund	3,05,818.00		-	
SBI Loan Recovery	96,000.00		-	
Swayam	14,70,000.00		-	
Union Donation	87,500.00		42,000.00	
SUBSIDIARIES				
Alumni Association - Amount Payable	-		1,18,015.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Dean Academics - Cancelled Cheques	-		22,093.00	
Industrial Estate - Expenses Payable	10,620.00		9,440.00	
Project Account - Accounting Charges Payable	20,000.00		20,000.00	
R&C Cell - Expenses Payable	20,05,236.00		83,052.00	
R&C Cell - Gyan Course	-		1,77,000.00	
Project Fund A/c			60,03,646.00	
Project Account - Fellowship Payable	-		10,48,296.00	
Project Account - Transfer to R&C Cell	8,73,536.00			
SNFCE- Cancelled Cheque	1,800.00		-	
TEQIP II- Expenses Payable	-		55,327.00	
R&C Cell -Unclaimed Deposits	27,01,398.00		-	
R&C Cell - Testing & Consultancy (Pending)	5,36,81,287.00	11,34,34,472.05	2,29,62,544.00	10,69,58,957.14
Total		5,43,73,86,000.39		4,20,26,79,166.79

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

(31-03-2018)

Receipts	Amount	Amount	Amount
IRG			
Tuition Fees B.Tech	18,22,97,190.00		
Tuition Fees M.Sc.	4,80,000.00		
Tuition Fees M.Tech	4,73,90,000.00		
Tuition Fees MBA	18,00,000.00		
Tuition Fees MCA	1,30,13,000.00		
Tuition Fees MSW	-		
Tuition Fees Ph.D	60,28,625.00		
NRI Fees	10,26,66,400.00		
Total IRG			35,36,75,215.00
SALARY EXPENDITURE OH 36			
STAFF PAYMENT AND BENEFITS:			
(a) Salaries and Wages:			

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Pay Administrative Officer		1,48,52,630.00		
Pay Direction & Teaching		30,82,79,389.00		
Pay of Other Staff		6,40,71,251.00		
Visiting Guest & Faculty		1,11,44,383.00		
Pay Revision - Teaching		2,28,50,741.00	42,11,98,394.00	
(b) Allowances & Bonus:				
Teaching Staff :				
Dearness Allowance		2,53,67,822.00		
HRA		38,01,847.00		
Transport Allowances		86,43,907.00	3,78,13,576.00	
Administrative Officer:				
Dearness Allowance		11,92,158.00		
HRA		4,99,682.00		
Transport Allowances		6,59,904.00	23,51,744.00	
Other Staff:				
Dearness Allowance		52,13,931.00		
HRA		25,25,799.00		
Washing Allowances		82,710.00		
Transport Allowances		32,59,786.00	1,10,82,226.00	
Bonus		-		
Children Education Allowance		40,83,878.00		
Earned Leave Encashment on LTC		29,53,984.00		
Family Planning Incentive		(71,220.00)		
Leave Encashment at the time of Retirement		2,17,23,357.00		
LTC		49,10,933.04		
Retention of Service Charges		-		
Medical Reimbursement		43,58,780.00		
Medicine		30,12,113.00		
Professional Development Allowance/ (CPDA)		50,38,313.00		
Special Allowance		8,97,965.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Cash Handling Allowance		720.00		
Telephone Expense to Faculty		25,34,015.00		
Deans Honorarium		2,22,645.00		
			4,96,65,483.04	
(c) Salary Arrears :				
Pay Revision - Non Teaching		-	-	
TOTAL SALARY AND PENSION EXPENDITURE (NON PLAN)				52,21,11,423.04
RECURRING EXPENDITURE OH 31				
(A) Expenses on Employees Retirement:				
Commuted Value of Pension		5,75,31,191.00		
Gratuity		3,03,33,369.00		
Medical Allowance (Pensioner)		61,59,483.00		
Pension Pay		8,30,51,062.00		
Pension Relief		3,41,26,544.00		
Pension Arrear		5,81,01,144.00		
TA On Retirement		91,990.00	26,93,94,783.00	
(d) Pay Others:				
Pay Security Charges		4,35,92,312.00		
Pay on Contractual Staff		14,55,97,676.00		
C.A. Fees		2,12,400.00	18,94,02,388.00	
(e) Contribution to Provident Fund:				
Direction & Teaching		4,88,080.00		
New Pension Scheme		1,86,93,724.00	1,91,81,804.00	
ADMINISTRATIVE EXPENSES				
Purchases- Consumables (U.G.& P.G.):				
Applied Mechanics Department		7,75,570.00		
Biotech Engineering Department		9,16,440.00		
Campus Interview & Placement		-		
Chemical Engineering Department		9,17,000.00		
Chemistry Department		4,77,168.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Civil Engineering Department		9,47,152.00		
Computer Science Department		11,79,126.00		
Electrical Engineering Department		8,24,920.00		
Electronics and Communication Engg Deptt		5,73,563.00		
Humanities Department		3,36,907.00		
Computer Centre		7,17,207.00		
Maths Department		3,98,112.00		
Mechanical Engineering Department		12,77,743.00		
NCC		-		
SMS/MBA Operating Cost		12,79,695.00		
Physics Department		3,26,357.00		
Training & Placement		3,99,703.00		
GIS Cell		4,05,744.00		
Centre for Interdisciplinary Research		2,41,574.00		
CMDR		2,97,135.00		
Library Operating Cost (Including TLB)		4,66,601.00		
PG Operating Cost		-		
Workshop (M E D)		5,25,302.00	1,32,83,019.00	
<u>Electricity & Power:</u>				
Institute		5,73,34,517.00	5,73,34,517.00	
Insurance expenses		-		
Postage		43,389.00		
Printing & Stationery		13,61,471.00		
Rent & Taxes - Hostel & Colony		2,24,13,587.00		
Seminar & Conference		1,53,435.00		
Telephone		-		
Travelling & Conveyance Expenses		23,08,635.69		
Repair & Maintenance of Vehicle		12,77,804.00		
Water Tax		50,42,951.00	3,26,01,272.69	
<u>Auditor's Remuneration:</u>				

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Audit Fees AGUP		-		
Advertisement Charges		12,10,483.00		
Hospitality Expenses		-	12,10,483.00	
<u>Institute Expenses:</u>				
Anti Ragging Squad		3,15,289.00		
B.O.G. & Other Meetings		16,97,155.00		
Convocation		-		
Legal Charges		6,69,274.00		
Liveries to Staff		2,65,490.00		
Misc. Expenses hostel		11,50,974.00		
Misc. Office Contingency		33,95,540.00		
Misc Exp on EDC		9,49,334.00		
Recreation Club Teaching & Non Teaching		52,500.00		
Training for Faculty Staff		-		
Maintenance - Lawns & Gardens		1,27,939.00		
NCC/NSS		3,15,520.00		
Startup (Govt Policies)- Govt Scheme and Programs		2,59,330.00		
Rental Charges of Internet Bandwith		67,18,867.00	1,59,17,212.00	
Maintenance of Computer & Equipment		20,00,721.00		
NIT Guest House, Delhi		2,50,000.00		
Renovation of Building Structure		3,06,56,472.00		
Renovation of Electric System & Facilities		99,79,218.00		
Stipend:-				
Ph.D Stipend	9,65,43,471.00			
M.Tec Stipend	8,28,13,246.00			
P.G. Stipend	-	17,93,56,717.00		
Merit Scholarship		8,61,000.00	22,31,04,128.00	
TOTAL ADMINISTRATIVE EXPENDITURE (NON PLAN)				82,14,29,606.69
PLAN EXPENDITURE				
Plan- (Revenue):				

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Furniture		-		
General Utility Equipment		27,47,066.00		
Library & E-Journals		4,53,60,195.00		
Research Grant		-	4,81,07,261.00	
<u>Plan Grant- Expenditure on Fixed Assets</u>				
Building		5,75,65,504.00		
Plant, machinery and equipment		26,74,051.00		
Furniture		74,32,208.00		
Office equipment		-		
Computer peripherals		26,71,199.00		
Other Fixed Assets		90,047.00		
Electric Installation		66,81,523.00		
Library Books		38,01,666.00		
Library E-Journals		1,33,24,339.00		
Computer Software		8,85,000.00		
Tubewell & Water Supply		-		
Capital Work in Progress		15,03,92,073.35	24,55,17,610.35	
Total Plan Expenditure				29,36,24,871.35

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

31-03-2019

Receipts	Amount	Amount	Amount
IRG			
Tuition Fees B.Tech	18,22,97,190.00		
Tuition Fees M.Sc.	4,80,000.00		
Tuition Fees M.Tech	4,73,90,000.00		
Tuition Fees MBA	18,00,000.00		
Tuition Fees MCA	1,30,13,000.00		
Tuition Fees MSW	-		
Tuition Fees Ph.D	60,28,625.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

NRI Fees		10,26,66,400.00		
Total IRG			35,36,75,215.00	
SALARY EXPENDITURE OH-36				
STAFF PAYMENT AND BENEFITS:				
(a) Salaries and Wages:				
Pay Administrative Officer		1,48,52,630.00		
Pay Direction & Teaching		30,82,79,389.00		
Pay of Other Staff		6,40,71,251.00		
Visiting Guest & Faculty		1,11,44,383.00		
Pay Revision - Teaching		2,28,50,741.00	42,11,98,394.00	
(b) Allowances & Bonus:				
Teaching Staff :				
Dearness Allowance		2,53,67,822.00		
HRA		38,01,847.00		
Transport Allowances		86,43,907.00	3,78,13,576.00	
Administrative Officer:				
Dearness Allowance		11,92,158.00		
HRA		4,99,682.00		
Transport Allowances		6,59,904.00	23,51,744.00	
Other Staff:				
Dearness Allowance		52,13,931.00		
HRA		25,25,799.00		
Washing Allowances		82,710.00		
Transport Allowances		32,59,786.00	1,10,82,226.00	
Bonus		-		
Children Education Allowance		40,83,878.00		
Earned Leave Encashment on LTC		29,53,984.00		
Family Planning Incentive		(71,220.00)		
Leave Encashment at the time of Retirement		2,17,23,357.00		
LTC		49,10,933.04		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Retention of Service Charges		-		
Medical Reimbursement		43,58,780.00		
Medicine		30,12,113.00		
Professional Development Allowance (CPDA)		50,38,313.00		
Special Allowance		8,97,965.00		
Cash Handling Allowance		720.00		
Telephone Expense to Faculty		25,34,015.00		
Deans Honorarium		2,22,645.00	4,96,65,483.04	
(c) Salary Arrears :				
Pay Revision - Non Teaching		-	-	
TOTAL SALARY AND PENSION EXPENDITURE (NON PLAN)				52,21,11,423.04
RECURRING EXPENDITURE OH-31				
(A) Expenses on Employees Retirement:				
Commuted Value of Pension		5,75,31,191.00		
Gratuity		3,03,33,369.00		
Medical Allowance (Pensioner)		61,59,483.00		
Pension Pay		8,30,51,062.00		
Pension Relief		3,41,26,544.00		
Pension Arrear		5,81,01,144.00		
TA On Retirement		91,990.00	26,93,94,783.00	
(e) Contribution to Provident Fund:				
Direction & Teaching		4,88,080.00		
New Pension Scheme		1,86,93,724.00	1,91,81,804.00	
(d) Pay Others:				
Pay Security Charges		4,35,92,312.00		
Pay on Contractual Staff		14,55,97,676.00		
C.A. Fees		2,12,400.00	18,94,02,388.00	
ADMINISTRATIVE EXPENSES				
Purchases-- Consumables (U.G.& P.G.):				
Applied Mechanics Department		7,75,570.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Biotech Engineering Department		9,16,440.00	
Campus Interview & Placement		-	
Chemical Engineering Department		9,17,000.00	
Chemistry Department		4,77,168.00	
Civil Engineering Department		9,47,152.00	
Computer Science Department		11,79,126.00	
Electrical Engineering Department		8,24,920.00	
Electronics and Communication Engg Deptt		5,73,563.00	
Humanities Department		3,36,907.00	
Computer Centre		7,17,207.00	
Maths Department		3,98,112.00	
Mechanical Engineering Department		12,77,743.00	
NCC		-	
SMS/MBA Operating Cost		12,79,695.00	
Physics Department		3,26,357.00	
Training & Placement		3,99,703.00	
GIS Cell		4,05,744.00	
Centre for Interdisciplinary Research		2,41,574.00	
CMDR		2,97,135.00	
Library Operating Cost (Including TLB)		4,66,601.00	
PG Operating Cost		-	
Workshop (M E D)		5,25,302.00	1,32,83,019.00
Electricity & Power:			
Institute		5,73,34,517.00	5,73,34,517.00
Insurance expenses		-	
Postage		43,389.00	
Printing & Stationery		13,61,471.00	
Rent & Taxes - Hostel & Colony		2,24,13,587.00	
Seminar & Conference		1,53,435.00	
Telephone		-	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Repair & Maintenance of Vehicle		12,77,804.00		
Travelling & Conveyance Expenses		23,08,635.69		
Water Tax		50,42,951.00	3,26,01,272.69	
Auditor's Remuneration:				
Audit Fees AGUP		-		
Advertisement Charges		12,10,483.00		
Hospitality Expenses		-	12,10,483.00	
Institute Expenses:				
Anti Ragging Squad		3,15,289.00		
B.O.G. & Other Meetings		16,97,155.00		
Convocation		-		
Legal Charges		6,69,274.00		
Liveries to Staff		2,65,490.00		
Faculty Recruitment		-		
Misc. Expenses-hostel		11,50,974.00		
Misc. Office Contingency		33,95,540.00		
Misc Exp on EDC		9,49,334.00		
Recreation Club Teaching & Non Teaching		52,500.00		
Training for Faculty Staff		-		
Maintenance - Lawns & Gardens		1,27,939.00		
NCC/NSS		3,15,520.00		
Startup (Govt Policies)- Govt Scheme and Programs		2,59,330.00		
Rental Charges of Internet Bandwith		67,18,867.00	1,59,17,212.00	
Stipend:-				
Ph.D Stipend	9,65,43,471.00			
M.Tec Stipend	8,28,13,246.00	17,93,56,717.00		
Merit Scholarship		8,61,000.00	18,02,17,717.00	
Maintenance of Computer & Equipment		20,00,721.00		
NIT Guest House, Delhi		2,50,000.00		
Renovation of Building Structure		3,06,56,472.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Renovation of Electric System & Facilities		99,79,218.00		
Research Grant		-	4,28,86,411.00	
TOTAL RECURRING EXPENDITURE				82,14,29,606.69
Plan Grant- Expenditure on Fixed Assets OH-31				
Building		54,01,688.00		
Plant, machinery and equipment		5,44,864.00		
Furniture		9,35,570.00		
Office equipment		-		
Computer peripherals		2,80,400.00		
Other Fixed Assets		8,373.00		
Electric Installation		61,29,183.00		
Library Books		-		
Library E-Journals		-		
Computer Software		-		
Tubewell & Water Supply		-		
Capital Work in Progress		90,89,800.00		
Augmentation			2,23,89,878.00	
TOTAL RECURRING EXPENDITURE Capital Expense				2,23,89,878.00
NON-RECURRING EXPENDITURE				
Plan- (Revenue):				
General Utility Equipment		27,47,066.00		
Library & E-Journals		4,53,60,195.00		
Land Scaping & Gardening		-	4,81,07,261.00	
Plan Grant- Expenditure on Fixed Assets OH-35				
Building		5,21,63,816.00		
Plant, machinery and equipment		21,29,187.00		
Furniture		64,96,638.00		
Office equipment		-		
Computer peripherals		23,90,799.00		
Other Fixed Assets		81,674.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Electric Installation		5,52,340.00		
Library Books		38,01,666.00		
Library E-Journals		1,33,24,339.00		
Computer Software		8,85,000.00		
Tubewell & Water Supply		-		
Capital Work in Progress		14,13,02,273.35	22,31,27,732.35	
Augmentation		0		
Total Non-Recurring Expenditure				27,12,34,993.35

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

(31-03-2019)

RECEIPTS	Amount	Amount	Amount
IRG			
Tuition Fees B.Tech	18,22,97,190.00		
Tuition Fees M.Sc.	4,80,000.00		
Tuition Fees M.Tech	4,73,90,000.00		
Tuition Fees MBA	18,00,000.00		
Tuition Fees MCA	1,30,13,000.00		
Tuition Fees MSW	-		
Tuition Fees Ph.D	60,28,625.00		
NRI Fees	10,26,66,400.00		
Total IRG		35,36,75,215.00	
SALARY EXPENDITURE OH-36			
STAFF PAYMENT AND BENEFITS:			
(a) Salaries and Wages:			
Pay Administrative Officer	1,48,52,630.00		
Pay Direction & Teaching	30,82,79,389.00		
Pay of Other Staff	6,40,71,251.00		
Visiting Guest & Faculty	1,11,44,383.00		
Pay Revision - Teaching	2,28,50,741.00	42,11,98,394.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

(b) Allowances & Bonus:				
Teaching Staff :				
Dearness Allowance		2,53,67,822.00		
HRA		38,01,847.00		
Transport Allowances		86,43,907.00	3,78,13,576.00	
Administrative Officer:				
Dearness Allowance		11,92,158.00		
HRA		4,99,682.00		
Transport Allowances		6,59,904.00	23,51,744.00	
Other Staff:				
Dearness Allowance		52,13,931.00		
HRA		25,25,799.00		
Washing Allowances		82,710.00		
Transport Allowances		32,59,786.00	1,10,82,226.00	
Bonus		-		
Children Education Allowance		40,83,878.00		
Earned Leave Encashment on LTC		29,53,984.00		
Family Planning Incentive		(71,220.00)		
Leave Encashment at the time of Retirement		2,17,23,357.00		
LTC		49,10,933.04		
Retention of Service Charges		-		
Medical Reimbursement		43,58,780.00		
Medicine		30,12,113.00		
Professional Development Allowance/ (CPDA)		50,38,313.00		
Special Allowance		8,97,965.00		
Cash Handling Allowance		720.00		
Telephone Expense to Faculty		25,34,015.00		
Deans Honorarium		2,22,645.00	4,96,65,483.04	
(c) Salary Arrears :				
Pay Revision - Non Teaching		-	-	

TOTAL SALARY AND PENSION EXPENDITURE (NON PLAN)				52,21,11,423.04
RECURRING EXPENDITURE OH-31				
(A) Expenses on Employees Retirement:				
Commuted Value of Pension		5,75,31,191.00		
Gratuity		3,03,33,369.00		
Medical Allowance (Pensioner)		61,59,483.00		
Pension Pay		8,30,51,062.00		
Pension Relief		3,41,26,544.00		
Pension Arrear		5,81,01,144.00		
TA On Retirement		91,990.00	26,93,94,783.00	
(e) Contribution to Provident Fund:				
Direction & Teaching		4,88,080.00		
New Pension Scheme		1,86,93,724.00	1,91,81,804.00	
(d) Pay Others:				
Pay Security Charges		4,35,92,312.00		
Pay on Contractual Staff		14,55,97,676.00		
C.A. Fees		2,12,400.00	18,94,02,388.00	
ADMINISTRATIVE EXPENSES				
Purchases-- Consumables (U.G.& P.G.):				
Applied Mechanics Department		7,75,570.00		
Biotech Engineering Department		9,16,440.00		
Campus Interview & Placement		-		
Chemical Engineering Department		9,17,000.00		
Chemistry Department		4,77,168.00		
Civil Engineering Department		9,47,152.00		
Computer Science Department		11,79,126.00		
Electrical Engineering Department		8,24,920.00		
Electronics and Communication Engg Deptt		5,73,563.00		
Humanities Department		3,36,907.00		
Computer Centre		7,17,207.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Maths Department		3,98,112.00	
Mechanical Engineering Department		12,77,743.00	
NCC		-	
SMS/MBA Operating Cost		12,79,695.00	
Physics Department		3,26,357.00	
Training & Placement		3,99,703.00	
GIS Cell		4,05,744.00	
Centre for Interdisciplinary Research		2,41,574.00	
CMDR		2,97,135.00	
Library Operating Cost (Including TLB)		4,66,601.00	
PG Operating Cost		-	
Workshop (M E D)		5,25,302.00	1,32,83,019.00
Electricity & Power:			
Institute		5,73,34,517.00	5,73,34,517.00
Insurance expenses		-	
Postage		43,389.00	
Printing & Stationery		13,61,471.00	
Rent & Taxes - Hostel & Colony		2,24,13,587.00	
Seminar & Conference		1,53,435.00	
Telephone		-	
Repair & Maintenance of Vehicle		12,77,804.00	
Travelling & Conveyance Expenses		23,08,635.69	
Water Tax		50,42,951.00	3,26,01,272.69
Auditor's Remuneration:			
Audit Fees AGUP		-	
Advertisement Charges		12,10,483.00	
Hospitality Expenses		-	12,10,483.00
Institute Expenses:			
Anti Ragging Squad		3,15,289.00	
B.O.G. & Other Meetings		16,97,155.00	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Convocation		-		
Legal Charges		6,69,274.00		
Liveries to Staff		2,65,490.00		
Faculty Recruitment		-		
Misc. Expenses-hostel		11,50,974.00		
Misc. Office Contingency		33,95,540.00		
Misc Exp on EDC		9,49,334.00		
Recreation Club Teaching & Non Teaching		52,500.00		
Training for Faculty Staff		-		
Maintenance - Lawns & Gardens		1,27,939.00		
NCC/NSS		3,15,520.00		
Startup (Govt Policies)- Govt Scheme and Programs		2,59,330.00		
Rental Charges of Internet Bandwith		67,18,867.00	1,59,17,212.00	
Stipend:-				
Ph.D Stipend	9,65,43,471.00			
M.Tec Stipend	8,28,13,246.00	17,93,56,717.00		
Merit Scholarship		8,61,000.00	18,02,17,717.00	
Maintenance of Computer & Equipment		20,00,721.00		
NIT Guest House, Delhi		2,50,000.00		
Renovation of Building Structure		3,06,56,472.00		
Renovation of Electric System & Facilities		99,79,218.00		
Research Grant		-	4,28,86,411.00	
Total Recurring Expenditure				82,14,29,606.69
Non-Recurring Expenditure				
Plan- (Revenue):				
General Utility Equipment		27,47,066.00		
Library & E-Journals		4,53,60,195.00		
Land Scaping & Gardening		-	4,81,07,261.00	
Plan Grant- Expenditure on Fixed Assets OH-35				
Building		5,75,65,504.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Plant, machinery and equipment		26,74,051.00		
Furniture		74,32,208.00		
Office equipment		-		
Computer peripherals		26,71,199.00		
Other Fixed Assets		90,047.00		
Electric Installation		66,81,523.00		
Library Books		38,01,666.00		
Library E-Journals		1,33,24,339.00		
Computer Software		8,85,000.00		
Tubewell & Water Supply		-		
Capital Work in Progress		15,03,92,073.35	24,55,17,610.35	
Augmentation				
Total Non-Recurring Expenditure				29,36,24,871.35

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

(31-03-2019)

RECEIPTS		Amount	Amount	Amount
IRG				
Tuition Fees B.Tech		18,22,97,190.00		
Tuition Fees M.Sc.		4,80,000.00		
Tuition Fees M.Tech		4,73,90,000.00		
Tuition Fees MBA		18,00,000.00		
Tuition Fees MCA		1,30,13,000.00		
Tuition Fees MSW		-		
Tuition Fees Ph.D		60,28,625.00		
NRI Fees		10,26,66,400.00		
<u>Total IRG</u>			35,36,75,215.00	
SALARY EXPENDITURE OH-36				
STAFF PAYMENT AND BENEFITS:				
(a) Salaries and Wages:				

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Pay Administrative Officer		1,48,52,630.00		
Pay Direction & Teaching		30,82,79,389.00		
Pay of Other Staff		6,40,71,251.00		
Visiting Guest & Faculty		1,11,44,383.00		
Pay Revision - Teaching		2,28,50,741.00	42,11,98,394.00	
(b) Allowances & Bonus:				
Teaching Staff :				
Dearness Allowance		2,53,67,822.00		
HRA		38,01,847.00		
Transport Allowances		86,43,907.00	3,78,13,576.00	
Administrative Officer:				
Dearness Allowance		11,92,158.00		
HRA		4,99,682.00		
Transport Allowances		6,59,904.00	23,51,744.00	
Other Staff:				
Dearness Allowance		52,13,931.00		
HRA		25,25,799.00		
Washing Allowances		82,710.00		
Transport Allowances		32,59,786.00	1,10,82,226.00	
Bonus		-		
Children Education Allowance		40,83,878.00		
Earned Leave Encashment on LTC		29,53,984.00		
Family Planning Incentive		(71,220.00)		
Leave Encashment at the time of Retirement		2,17,23,357.00		
LTC		49,10,933.04		
Retention of Service Charges		-		
Medical Reimbursement		43,58,780.00		
Medicine		30,12,113.00		
Professional Development Allowance/ (CPDA)		50,38,313.00		
Special Allowance		8,97,965.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Cash Handling Allowance		720.00		
Telephone Expense to Faculty		25,34,015.00		
Deans Honorarium		2,22,645.00	4,96,65,483.04	
(c) Salary Arrears :				
Pay Revision - Non Teaching		-	-	
TOTAL SALARY AND PENSION EXPENDITURE (NON PLAN)				52,21,11,423.04
RECURRING EXPENDITURE OH-31				
(A) Expenses on Employees Retirement:				
Commuted Value of Pension		5,75,31,191.00		
Gratuity		3,03,33,369.00		
Medical Allowance (Pensioner)		61,59,483.00		
Pension Pay		8,30,51,062.00		
Pension Relief		3,41,26,544.00		
Pension Arrear		5,81,01,144.00		
TA On Retirement		91,990.00	26,93,94,783.00	
(e) Contribution to Provident Fund:				
Direction & Teaching		4,88,080.00		
New Pension Scheme		1,86,93,724.00	1,91,81,804.00	
(d) Pay Others:				
Pay Security Charges		4,35,92,312.00		
Pay on Contractual Staff		14,55,97,676.00		
C.A. Fees		2,12,400.00	18,94,02,388.00	
ADMINISTRATIVE EXPENSES				
Purchases-- Consumables (U.G.& P.G.):				
Applied Mechanics Department		7,75,570.00		
Biotech Engineering Department		9,16,440.00		
Campus Interview & Placement		-		
Chemical Engineering Department		9,17,000.00		
Chemistry Department		4,77,168.00		
Civil Engineering Department		9,47,152.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Computer Science Department		11,79,126.00	
Electrical Engineering Department		8,24,920.00	
Electronics and Communication Engg Deptt		5,73,563.00	
Humanities Department		3,36,907.00	
Computer Centre		7,17,207.00	
Maths Department		3,98,112.00	
Mechanical Engineering Department		12,77,743.00	
NCC		-	
SMS/MBA Operating Cost		12,79,695.00	
Physics Department		3,26,357.00	
Training & Placement		3,99,703.00	
GIS Cell		4,05,744.00	
Centre for Interdisciplinary Research		2,41,574.00	
CMDR		2,97,135.00	
Library Operating Cost (Including TLB)		4,66,601.00	
PG Operating Cost		-	
Workshop (M E D)		5,25,302.00	1,32,83,019.00
Electricity & Power:			
Institute		5,73,34,517.00	5,73,34,517.00
Insurance expenses		-	
Postage		43,389.00	
Printing & Stationery		13,61,471.00	
Rent & Taxes - Hostel & Colony		2,24,13,587.00	
Seminar & Conference		1,53,435.00	
Telephone		-	
Repair & Maintenance of Vehicle		12,77,804.00	
Travelling & Conveyance Expenses		23,08,635.69	
Water Tax		50,42,951.00	3,26,01,272.69
Auditor's Remuneration:			
Audit Fees AGUP		-	

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Advertisement Charges		12,10,483.00		
Hospitality Expenses		-	12,10,483.00	
Institute Expenses:				
Anti Ragging Squad		3,15,289.00		
B.O.G. & Other Meetings		16,97,155.00		
Convocation		-		
Legal Charges		6,69,274.00		
Liveries to Staff		2,65,490.00		
Misc. Expenses-hostel		11,50,974.00		
Misc. Office Contingency		33,95,540.00		
Misc Exp on EDC		9,49,334.00		
Recreation Club Teaching & Non Teaching		52,500.00		
Training for Faculty Staff		-		
Maintenance - Lawns & Gardens		1,27,939.00		
NCC/NSS		3,15,520.00		
Startup (Govt Policies)- Govt Scheme and Programs		2,59,330.00		
Rental Charges of Internet Bandwith		67,18,867.00	1,59,17,212.00	
Stipend:-				
Ph.D Stipend	9,65,43,471.00			
M.Tech. Stipend	8,28,13,246.00	17,93,56,717.00		
Merit Scholarship		8,61,000.00	18,02,17,717.00	
Maintenance of Computer & Equipment		20,00,721.00		
NIT Guest House, Delhi		2,50,000.00		
Renovation of Building Structure		4,61,18,567.00		
Renovation of Electric System & Facilities		1,69,07,001.00		
Research Grant		-	6,52,76,289.00	
Total Recurring Expenditure				84,38,19,484.69
Non-Recurring Expenditure				
Plan- (Revenue):				
General Utility Equipment		92,86,758.00		

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

Library & E-Journals		4,53,60,195.00		
Land Scaping & Gardening		-	5,46,46,953.00	
Plan Grant- Expenditure on Fixed Assets				
Building		5,16,96,536.00		
Plant, machinery and equipment		-		
Furniture		64,63,226.00		
Office equipment		-		
Computer peripherals		-		
Other Fixed Assets		-		
Electric Installation		-		
Library Books		38,01,666.00		
Library E-Journals		1,33,24,339.00		
Computer Software		-		
Tube well & Water Supply		-		
Capital Work in Progress		14,13,02,273.35	21,65,88,040.35	
Augmentation				
Total Non-Recurring Expenditure				27,12,34,993.35

CHARTERED ACCOUNTANT

DY. REGISTRAR (A/CS)

REGISTRAR

ANNEXURES

- Annexure-1 NIT Council**
- Annexure-2 Board of Governors**
- Annexure-3 Finance Committee**
- Annexure-4 Building and Works Committee**
- Annexure-5 Senate**
- Annexure-6 Activities Organized Under SAC**
- Annexure-7 Placement Details**
- Annexure-8 Details of Publication under Central Instrumentation Facility**
- Annexure-9 Details of Externally Funded Research Project**
- Annexure-10 Testing and Consultancy**

COUNCIL OF NATIONAL INSTITUTE OF TECHNOLOGY (NIT COUNCIL)

The Council shall consist of the following members, namely:-

- (a) the Minister in charge of the Ministry or Department of the Central Government having administrative control of the technical education, *ex officio*, as Chairman;
- (b) the Secretary to the Government of India in charge of the Ministry or Department of the Central Government having administrative control of the technical education, *ex officio* as Vice-Chairman;
- (c) the Chairperson of every Board, *ex officio*;
- (d) the Director of every Institute, *ex officio*;
- (e) the Chairman, University Grants Commission, *ex officio*;
- (f) the Director General, Council of Scientific and Industrial Research, *ex officio*;
- (g) four Secretaries to the Government of India, to represent the Ministries or Department of the Central Government dealing with biotechnology, atomic energy, information technology and space, *ex officio*;
- (h) the Chairman, All India Council for Technical Education, *ex officio*;
- (i) 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;
- (j) three members of Parliament, of whom two shall be chosen by the House of the People and one by the Council of States:

Provided that the office of member of the Council shall not disqualify its holder for being chosen as or for being, a member of either House of Parliament;
- (k) two Secretaries to the State Government, from amongst the Ministries or Departments of that Government dealing with technical education where the Institutes are located, *ex officio*;
- (l) Financial Advisor, dealing with the Human Resource Development Ministry or Department of the Central Government, *ex officio*;
- (m) one officer not below the rank of Joint Secretary to the Government of India in the Ministry or Department of Central Government having administrative control of the Technical Education, *ex officio*, as Member-Secretary.

BOARD OF GOVERNORS

The Board of Governors of the Institute consists of the following members:

- | | | |
|-------|--|-------------|
| (i) | The Chairperson to be nominated by the Visitor | Chairperson |
| (ii) | The Director, ex-officio; | Member |
| (iii) | 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 |
| (iv) | 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 technologists or industrialists of repute; | Member |
| (v) | Two persons, at least one of whom shall be a woman, having special knowledge or practical experience in respect of education, engineering or science to be nominated by the Council; and | Member |
| (vi) | One professor and one assistant professor or a lecturer of the Institute to be nominated by the Senate. | Member |
| (vii) | Registrar | Secretary |

FINANCE COMMITTEE

The Finance Committee consists of the following persons:

- | | |
|---|-------------------------------|
| (i) The Chairperson Board of Governor | Chairman (Ex-Officio) |
| (ii) The Director | Member (Ex-Officio) |
| (iii) Joint Secretary dealing with National Institutes of Technology or his nominee and Financial Advisor (Human Resource Development) or his nominee members | Members |
| (iv) Two persons nominated by the Board from amongst its members | Members |
| (v) The Registrar | Member Secretary (Ex-Officio) |

(Provided that in addition to the above, the Chairman may, in consultation with the Director, co-opt a member as and when found necessary)

BUILDING AND WORKS COMMITTEE

The Building and Works Committee Consists of the following persons:

- | | | |
|-------|--|----------------------------------|
| (i) | The Director of the Institute | Chairman (Ex-Officio) |
| (ii) | One member nominated by the Central Government not below the rank of Director or Deputy Secretary | Member |
| (iii) | One member nominated by the Board of Governors | Member |
| (iv) | Registrar | Member Secretary
(Ex-Officio) |
| (v) | Dean, Planning and Development or similar position | Member |
| (vi) | One expert each from Civil and Electrical Engineering Wing of the Central or State Government or any autonomous body of repute | Member |

SENATE

The Senate of the Institute consists of the following persons:

- | | | |
|-------|---|-----------------------|
| (i) | The Director of the Institute | Chairman (Ex-Officio) |
| (ii) | The Deputy Director | Member (Ex-Officio) |
| (iii) | The professors appointed or recognized as such by the Institute for the purpose of imparting instructions in the Institute | Member |
| (iv) | 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 |
| (v) | Such other members of the staff as may be laid down in the Statutes | Member |
| (vi) | Registrar | Secretary |

ACTIVITIES ORGANIZED UNDER STUDENT ACTIVITY CENTRE

Following events have been organized during the period April, 2018 to March, 2019 by the SAC, MNNIT Allahabad.

S. No.	Name of the Festivals/Events	Events Date
1.	Independence Day Quiz	August 15, 2018
2.	3-Week SAC Induction Program for newly admitted students	August 20, 2018 to 23 Sept. 2018
3.	Personality Development workshop	September 02-04, 2018
4.	Avishkar (Annual Technical Festival)	September 26-29, 2018
5.	Kumbh Sevamitra Selection for Institute Students	October 03, 2018
6.	Annual Athletics Meet	October 26-28, 2018
7.	Sardar Patel Jayanti	October 31, 2018
8.	Josh (Annual Sports Festival)	January 11-18, 2019
9.	Saraswati Pooja	February 10, 2019
10.	Matri Bhasha Divas (MHRD)	February 21, 2019
11.	Eloquence (Annual Literary festival)	March 03-06, 2019

The Personality Development Workshop was marked by the motivational speech by the Director MNNIT Allahabad; Prof. Rajeev Tripathi.

The annual techno-management festival Avishkar 2018 witnessed the participation of the following personalities in GnoTalks

- (i) Mr. J. Gopikrishnan (Investigative Journalist)
- (ii) Mr. Karan Singh Magic
- (iii) Mr. I.M Vijayan (Fastest international goals, and Arjun award winner of Indian football)
- (iv) Mr. Robin Hood Army (A volunteer based organization)
- (v) Mr. Sameer Anjaan (winner of three filmfare awards)
- (vi) Mr. Rahul Subramanian (Winner of YouTube comedy)

Annual Literary Festival Eloquence -2019 was organized during March 03 -06, 2019, with an aim to bring about personality and communications skills development of the participating students, along with the creation of a learning and atmosphere of literary art. The event also witnessed the presence of Mrs. Shefali Vaidya, a leading newspaper columnist and author. Prof. B. N. Singh, Sr. Staff Engineer, John Deere Electronics Solution, Fargo North Dakota, USA, also delivered a motivational talk in the event. A photography competition cum exhibition was organized on last day, 06 March, 2019 to display the photographs taken by the students of MNNIT, at Kumbh 2019, held during Jan-March 2019, at Prayagraj.

The institute has always provided students the right platform to showcase their talents and bring achievement to the institute by participating in various inter institute events. The students participated in the following events:

- (i) Technical Festival "TECHNICHE-2018" at IIT Guwahati : August 29th to September 02nd , 2018.
- (ii) Technical Festival "SAE-NIS EFFICYCLE-2018" at Lovely Professional University (LPU), Jalandhar Punjab : October 09-13, 2018
- (iii) Cultural Festival "FOOTLOOSE" at IIIT Allahabad: October 05th, 2018.
- (iv) All India Inter NIT Sports Meet- 2018 at NIT Nagpur: September 29 to October 01, 2018.
- (v) "Udghosh- 2018" IIT Kanpur : October 04-07, 2018
- (vi) Annual Sports Festival "VAJRA-2018" at BIT Mesra-Ranchi : October 31 to November 04, 2018
- (vii) Technical Festival "KSHITIJ- 2019" at IIT Kharagpur: January 17-21, 2019.
- (viii) Cultural Festival IIT Kharagpur : January 23-28, 2019
- (ix) MNNIT Football Team Participate in NIT Rourkela: January 25-27, 2019.

- (x) Nukkad Natak at Kumbh Mela-2019: February 07, 2019.
- (xi) Sports Festival "SANGRAM-2019" IIT Roorkee: March 01-03, 2019.
- (xii) Techfest "TECHKRITI – 2019" at IIT Kanpur (March 07-10, 2019)
- (xiii) Technical fest of IIT BHU "TECHNEX-2019" (March 08-10, 2019)
- (xiv) Technical Festival "AZEOTROPY-2019" at IIT Bombay : March 14-18, 2019

Following are the brief achievement of the students in the various inter-institute events attended.

Sl. No.	Event	Performance
1.	Jaipuria Quiz, (November 17, 2018)	The National Finale "Jaipuria" Quiz (1 st Position) Mr. Shivam Kapoor (B.Tech 3 rd Year) and Mr. Siddharth Majumdar (B.Tech 3 rd Year), (2 nd Position) Mr. Ayushman Singhand Mr. Shiladitya Gargopadhyay (B.Tech 3 rd Year), and (3 rd Position) Mr. Preet Pal Singh, Mr. Rastra Shekhar (B.Tech 3 rd Year).
2.	Technical Festival "KSHITIJ-2019 (January 18-20, 2019)	(3 rd Position) Mr. Abhinav Singh (Final Year), Mr. Anshuman Sabat (Final Year), Mr. Anurag Agarwal (Final Year), Ms. Arjita Chaurasia (Final Year)
3.	Cultural Festival "Spring Fest" IIT Kharagpur (January 23-28, 2019)	Institute feel proud to win the Spring Fest Championship: at IIT Kharagpur, out of the 400+ colleges participated in Spring staff 2019, MNNIT Allahabad won Springest Champions title by getting maximum prize among all the colleges in Spring staff 2019. <ul style="list-style-type: none"> 1. A Mighty Pen: A team of the following students of the MNNIT Literary Club participated and received the first prize in this function. <ul style="list-style-type: none"> (i) Sushant Yadav 2nd year 20171038 (ii) Rishabh Singh First Year 20184095 (iii) Unmanned Singh Parihar first year 20185014 2. National level debate competition: In the one of the country's most prestigious debates, among the more than 80 debutants participating from across India, Mr. Prakar Lohumi 3 years 20164052 from MNNIT Literary Club won the first prize. 3. Bran D: A team of the following people from the Art Committee of MNNIT participated in this event and received second prize. <ul style="list-style-type: none"> (i) Piyush Agarwal Third Year 20165073 (ii) Saiyan Ganguly 3 years 20165021 (iii) Abhishek Kumar Gangwar First Year 20184031 (iv) Shreyas Tandon First Year 20188050 4. Sargam: The following band of MNNIT Music Committee participated in this program and secured second place among the band of 25 students / semi-professionals. <ul style="list-style-type: none"> (i) Sky Dube Third Year 20164055 (ii) Shreyash Khandelwal Third Year 20164126 (iii) Nishant Malik 3 years 20165126 (iv) Aik Jain III Year 20164135 (v) Shantanu Singh 2nd Year 20176002 5. Impromptu: Out of more than 50 students participating in this event, Mr. Prakher Lohumi won the second prize of 3 years in the year 2016, following the following student of the MNNIT Literary Club. 6. Top it to win it: In this culinary competition, Mr. Amadya Singh Parihar remained second from the first year 20185014 MNNIT

Literary Club.

7. Theater (Stage Play): A team of the following students of Alchemy - The Dramatics Club of MNNIT achieved second place after the title - "Devadasi". He also won the Best Production award. Rishav Kumar also won an oral mention of the judges as the third best actor.

- (i) Rishav Kumar III Year 20161072
- (ii) Spruha Singh 3rd Year 20165031
- (iii) Strong Patwa third year 20162043
- (iv) Siddharth Dwivedi III Year 20168030
- (v) Anurag Pathak III Year 20165043
- (vi) Makarand Manjhandhandilya Third Year 20161017
- (vii) Kanad Kumar Amar third year 20165089
- (viii) Sandipan government second year 20175087
- (ix) Harleen Kaur 2 year 20170012
- (x) Shivangi Yadav 1 year 20184099
- (xi) First year 20181037
- (xii) Shobhit Agarwal First Year 20189009

The Students also participated in various inter-institute sports/Athletic events and achievement launch for the institute.

1. All India Sports Meet '**UDGHOSH**' 18 at IIT Kanpur during October 04-07, 2018. The institute won the following medals

(i) Gold	-	04
(ii) Silver	-	07
(iii) Bronze	-	06

On the total number of medals secured the following achievement was marked at IIT Kanpur.

- (i) MNNIT Girls Athletics Team: Championship-Winner
- (ii) MNNIT Boys Athletics Team: Runners-Up

2. Annual sports festival "Vajra", 2018 of Bit Mesra-Ranchi (Nov. 2- 4, 2018) for table-tennis

Table-Tennis Team became Champion

3. MNNIT Football Team for Inter-NIT 2019 (January 25-27, 2019 at NIT Rourkela)

Result -----3rd Place Bronze Medal

The most applauding moment was when the Institute Athletic Team Participated in Inter – Institute Sports Meet 'SANGRAM' (Athletics) at IIT Roorkee during March 01-03, 2019. The institute won the following medals.

(i) Gold	-	02
(ii) Silver	-	08
(iii) Bronze	-	07

Under various events irrespective of their genre, the institute has extended its constant effort and support to the students on higher scales. The students have also given justice in bringing name and fame to the institute with their remarkable performances and glorious results. The very idea of letting students perform in various activities apart from academic oriented programs is of incredible value and importance.

PLACEMENT DETAILS**For B. Tech. Courses**

Course	Discipline	No. of Students	Eligible Students	Students Placed	Jobs Offered	%age
B. Tech	Biotechnology	-	26	20	19	76.92
	Chemical	-	41	41	49	100
	Civil	-	67	47	45	67.14
	Computer Science	-	167	163	170	97.6
	Electrical	-	66	64	64	96.97
	Electronics & Communication	-	128	116	120	87.88
	Mechanical	-	110	103	108	91.96
	Production & Industrial	-	31	31	29	100
	Information Technology	-	90	86	89	95.56
Total		-	726	671	693	92.42

For Master Courses

Course	Eligible Students	Students Placed	Jobs Offered	% age
M. Tech.	320	84	90	26.25
MCA	83	64	70	77.11
MBA	34	31	35	91.18
M.Sc.	11	-	-	-
Total	448	179	195	39.96

Year-wise Placement details of B. Tech. Students

Department	2018-19		2017-18		2016-17	
	Eligible	Placed	Eligible	Placed	Eligible	Placed
Biotechnology	26	20	34	19	23	20
Chemical	41	41	33	28	36	28
Civil	67	47	58	41	68	50
Computer Science	167	163	164	160	163	154
Electronics & Communication	66	64	144	129	137	113
Electrical	128	116	71	65	66	54
Information Technology	90	86	92	85	92	81
Mechanical	110	103	124	108	109	93
Production & Industrial	31	31	25	21	36	25
Total	726	671	745	656	730	618

DETAILS OF PUBLICATION UNDER CENTRAL INSTRUMENTATION FACILITY

1. Liu S, Yang R, Durgesh K. Tripathi, Li X, He W, Wu M, Ali S, Ma M, Cheng Q, Pan Y. The interplay between reactive oxygen and nitrogen species contributes in the regulatory mechanism of the nitro-oxidative stress induced by cadmium in Arabidopsis. *Journal of Hazardous Materials*. 2018;344:1007-24.(IF: 6.434)
2. Durgesh K. Tripathi, Singh S, Gaur S, Singh S, Yadav V, Liu S, Singh VP, Sharma S, Srivastava P, Prasad SM, Dubey NK. Acquisition and Homeostasis of Iron in Higher Plants and Their Probable Role in Abiotic Stress Tolerance. *Frontiers in Environmental Science*. 2018;5:86.
3. Tripathi A, Liu S, Singh PK, Kumar N, Pandey AC, Durgesh K. Tripathi, Chauhan DK, Sahi S. Differential phytotoxic responses of silver nitrate (AgNO₃) and silver nanoparticle (AgNps) in Cucumis sativus L. *Plant Gene*. 2017;11:255-64.
4. Liu, Shiliang, Rongjie Yang, Jun Yang, Tongpei Yi, Huixing Song, Mingyan Jiang, Durgesh K. Tripathi, Mingdong Ma, and Qibing Chen. Differentiating *Thamnocalamus Munro* from *Fargesia Franchet emend. Yi (Bambusoideae, Poaceae)*: novel evidence from morphological and neural-network analyses. *Scientific Reports* 2017; 7(IF: 4.122)
5. Vishwakarma, K., Gaur, S., Upadhyay, N., Singh, J., Tripathi, D. K., Chauhan, D. K., Sharma, S. Differential phytotoxic impact of plant mediated silver nanoparticles (AgNPs) and silver nitrate (AgNO₃) on Brassica sp. *Frontiers in Plant Science*, 2017; 8: 1501.(IF: 3.678)
6. Upadhyay, N., Vishwakarma, K., Singh, J., Mishra, M., Kumar, V., Rani, R., Mishra, R.K., Chauhan, D.K., Tripathi, D.K. and Sharma, S., 2017. Tolerance and reduction of chromium (VI) by *Bacillus* sp. MNU16 isolated from contaminated coal mining soil. *Frontiers in plant science*, 2017;8: 778 (IF: 3.678)
7. Tripathi, D.K., Tripathi, A., Shweta, S.S., Singh, Y., Vishwakarma, K., Yadav, G., Sharma, S., Singh, V.K., Mishra, R.K., Upadhyay, R.G. and Dubey, N.K. Uptake, accumulation and toxicity of silver nanoparticle in autotrophic plants, and heterotrophic microbes: A concentric review. *Frontiers in microbiology*, 2017;8: 7 (IF: 4.019)
8. Kumar, D., Tripathi, D. K., Liu, S., Singh, V. K., Sharma, S., Dubey, N. K., ... & Chauhan, D. K. *Pongamia pinnata* (L.) pierre tree seedlings offer a model species for arsenic phytoremediation. *Plant Gene*. 2017; 11:238-46
9. Singh, S., Tripathi, D.K., Singh, S., Sharma, S., Dubey, N.K., Chauhan, D.K. and Vaculík, M. Toxicity of aluminium on various levels of plant cells and organism: a review. *Environmental and Experimental Botany*. 2017;137:177-93(IF: 3.666)
10. Singh, S., Vishwakarma, K., Singh, S., Sharma, S., Dubey, N.K., Singh, V.K., Liu, S., Tripathi, D.K. and Chauhan, D.K. Understanding the plant and nanoparticle interface at transcriptomic and proteomic level: A concentric overview. *Plant Gene*. 2017;11:265-72.

Book(s)/ Book Chapter(s) Authored

SI. No.	Faculty Name (Author/Co-Author)	Book	Book Chapter	Publisher
1.	D. K. Tripathi, P. Ahmad, S. Sharma, D. K. Chauhan, N. K. Dubey, 2017	Nanomaterials in Plants, Algae, and Microorganisms: Concepts and Controversies: Volume	-	Elsevier
2.	D. K. Tripathi and S. Sharma et al., 2017	Nanotechnology: Food and Environmental Paradigm	Plants and Carbon Nanotubes (CNTs) Interface: Present Status and Future Prospects.	Springer Nature

3. N. Arif, D. K. Tripathi, S. Sharma, et al., 2017 Plant Responses to Xenobiotics to Assessment of Antioxidant Potential of Plants in Response to Heavy Metals. In Plant Responses to Xenobiotics Springer
4. K. Vishwakarma, S. Sharma, V. Kumar, N. Upadhyay, N. Kumar, R. Mishra, G. Yadav, R. K. Verma, D. K. Tripathi, 2017 Probiotics in Agroecosystem in Current Scenario of Root Exudate-Mediated Plant-Microbe Interaction and Promotion of Plant Growth Springer, Singapore
5. K. Vishwakarma, M. Mishra, S. Jain, J. Singh, N. Upadhyay, R. K. Verma, P. Verma, D. K. Tripathi, V. Kumar, R. Mishra, S. Sharma, 2017 Plant-Microbe Interactions in Agro-Ecological Perspectives Exploring the Role of Plant-Microbe Interactions in Improving Soil Structure and Function Through Root Exudation: A Key to Sustainable Agriculture Springer, Singapore
6. G. Yadav, K. Vishwakarma, S. Sharma, V. Kumar, N. Upadhyay, N. Kumar, R. K. Verma, R. Mishra, D. K. Tripathi and R. G. Upadhyay, 2017 Probiotics and plant health Emerging Significance of Rhizospheric Probiotics and Its Impact on Plant Health: Current Perspective Towards Sustainable Agriculture Springer, Singapore
7. Shweta, K. Vishwakarma, S. Sharma, R. P. Narayan, P. Srivastava, A. S. Khan, N. K. Dubey, D. K. Tripathi, and Chauhan, 2017 Nanotechnology Plants and Carbon Nanotubes (CNTs) Interface: Present Status and Future Prospects Springer, Singapore
8. K. Vishwakarma, N. Upadhyay, N. Kumar, D. K. Tripathi, S. Sharma, 2017 Nanomaterials in Plants, Potential applications and Concepts and sustainable agriculture Elsevier

Research Projects Ongoing/ Completed

Sl. No.	Principle Investigator/ Coinvestigator(s)	Project Title	Funding Agency	Amount (INR)	Duration (Status)
1.	Project Mentor: Director MNNIT Project Coordinator/PI: Dr. Shivesh Sharma	Design and Innovation Centre	MHRD	Rs. 1 Crore	Ongoing

DETAILS OF EXTERNALLY FUNDED RESEARCH PROJECT (UPTO 31.03.2019)

Sl. No	Principal Investigator/Co-investigator	Project Title	Funding Agency	Sanctioned Amount (₹)
1.	Prof. R.C. Vaishya, CED	Air Quality Monitoring Project	Uttar Pradesh Pollution Control Board (Lucknow)	7,40,000 Per year
2.	Prof. R.P. Singh, CED	Ambient Air Quality Monitoring and Noise Monitoring at three locations in Allahabad	UPPCB, Lucknow	10,56,000 Per year
3.	Dr. Shivesh Sharma, DBT	Design and Innovation Centre	MHRD, New Delhi	1,00,00,000
4.	Dr. R. S. Yadav, CSED	Information Security Education & Awareness (ISEA) Project - Phase - II	DeitY, New Delhi	38,34,977
5.	Dr. Sameer Srivastava, DBT	Characterization of Epigenetically Deregulated Genes in Colorectal Adenomas/Carcinomas Using Next Generation Sequencing Technologies for Development of Novel Biomarkers.	DBT, New Delhi	24,95,500
6.	Dr. Ambak Kumar Rai, DBT	Study to Investigate the Therapeutic Efficacy of CD5 Blocking in Treatment of T Cell lymphoblastic Leukemia	DBT, New Delhi	24,69,000
7.	Dr. Vijaya Bhaduarua, ECED	Special Manpower Development Programme - Clip to System Design (S M D P -C2SD)	MCIT/Deity, New Delhi	99,72,000
8.	Dr. Murari Venkataramanujam, AMD	The Effect of Micro Level Progressive Matrix Plasticity on the Macro Level Response of Unidirectional Composites: Micromechanics Based Study	SERB, New Delhi	24,86,000
9.	Dr. Neeraj Tyagi, CSED	Visvesvaraya PhD Scheme for Electronics & IT	MCIT/Deity, New Delhi	8,44,83,600
10.	Dr. Rohit Ranjan Sahi	Inspire Faculty Award (Studies on Nanoparticles Decoration in Super Critical Fluid To Improve The Hydrogen Sorption Cyclability of Most Promising Storage Materials i.e. Manesium)	DST, New Delhi	1900000 Per year
11.	Dr. Arun Kumar Singh	Electronic and Optical properties of Organic Semiconductors on 2D Nanomaterials (Graphene, MoS ₂ , WS ₂)	DST, New Delhi	1900000 Per year
12.	Dr. A. N. Sawarkar, Chemical Engg.	Studies on Pyrolysis of Rice Husk	Marathi Vidnyan Parishad, Mumbai	1,00,000
13.	Dr. R. P. Tiwrai, AMD	Modeling, Simulation and Development of Smart Active Ankle Foot Orthotic Device for Gait Rehabilitation	DBT, New Delhi	17,83,000
14.	Dr. Manoj Kumar, Math. Deptt.	Numerical Algorithms based on Neural Network for the solution of boundary value problems	NBHM, Mumbai	13,64,600
15.	Dr. Pramod Kumar Yadav, Mathematics	Hydrodynamics modeling of Complex porous membranes and their applications in engineering sciences	SERB, New Delhi	8,08,500

16.	Dr. Basant Kumar, ECED	Design of Neural Network based Pacemaker	DBT, New Delhi	14,93,000
17.	Dr. RamJi Dwivedi, GIS	Landslide inventory Preparation using Multi-temporal SAR Interferometry (InSAR)	DST, New Delhi	20,44,100
18.	Dr. Naresh Kumar, Physics	Development of Ferrite-Semiconductor Composites Hollow Nanospheres Based Sensors for Enhanced Bio and Gas Sensing Performances	CSIR, New Delhi	20,00,200
19.	Dr. Manisha Sachan, Biotechnology	Identification of Novel Epigenetic Biomarkers Next Generation Sequencing Technologies towards Developing a Multiplex Methylight Assay for early diagnosis of Epithelial ovarian cancer	ICMR, New Delhi	29,61,860
20.	Dr. K. N. Pandey	Life Prediction of Turbine Blades Under Coated and Uncoated Conditions (GTMAP)	AR & DB, New Delhi	24,33,000
21.	Dr. Sameer Srivastava, DBT	Biosynthesis of Isoprene, and industrially important hydrocarbon, using e.coli as Model Organism	DBT, New Delhi	46,98,200
22.	Dr. Manoj Kumar, Math. Deptt.	Numerical Studies of effects on human-heart due to growing blockage in coronary artery	DBT, New Delhi	21,73,200
23.	Dr. Yogendra Kumar Prajapati	Role of Graphene and MoS ₂ on Performance of Surface Plasmon Resonance Based Sensors: An Application to Bio Sensing	DAE, BRNS Mumbai	20,21,900
24.	Dr. Manoj Kumar Gupta, Mechanical Engineering	Green Composite Prepared by Waste Sugarcane Bagasses and Poly Lactic Acid (PLA) for Packaging Application	CST UP	10,44,000
25.	Dr. RamJi Dwivedi, GIS	Multi-Temporal Interferometric Sar (MT-InSAR) Studies for near real-time landslide monitoring	ISRO, Bangalore	45,43,000
26.	Dr. Ram Prakash Tiwari	Dam Rehabilitation and Improvement Project of Central Water Commission (CWC)	Central Water Commission (CWC), New Delhi	4,61,00,000
27.	Head ECED (DR. V. Bhadauria)	DST-FIST (Fund for Improvement in S&T Infrastructure (FIST 2016).	DST, New Delhi	1,15,00,000
28.	Dr. Sushil Kumar, Chemical Engineering	Bioremediation for removal of reactive dyes from industrial waste water	UPCST	10,44,000
29.	Dr. Vasu B	Mathematical Simulations of Nanoparticles as Drug Carrier on Blood Flow through a Stenotic Artery	SERB, New Delhi	22,80,520
30.	Dr. Ajay Bharti, AMD	Improvement of Mechanical Properties due to Friction Stir Processing (FSP) and Addition of Hard Phase Particle	Shashi Associates Pune	1,00,000
31.	Dr. V. S. Tripathi	Design and development of a patch antenna based non-invasive blood sugar monitoring system	CST U.P.	8,94,000
32.	Head Biotechnology	FIST Program DST	DST, New Delhi	83,00,000
33.	Dr. Akshoy Ranjan Paul	Prototype Development of a Novel Dry Powder Inhaler (DPI) for Pulmonary Drug	CST U.P.	11,94,000

	Delivery		
34. Dr. Radha Rani Mewaram DBT	Development of Microbial Fuel Cell (MFC) based process for domestic wastewater treatment and power generation: Application in improving treatment sustainability	SERB, New Delhi	39,26,000
35. Dr. Vishnu Agarwal	Study of water and terrestrial biofilms using foldscope as a tool to address community health and sanitation issues	Biotechnology (BCIL)	8,00,000
36. Dr. Audhesh Narayan	Development and Performance Study of Milling Electro-Chemical Spark Micro machining Progress	UPCST	7,80,000
37. Dr. Seema Nara	Screening selection and validation of novel conin parvovirus specific aptamers (DBT-TANUVAS Canine Research Centre and Networks)	DBT, New Delhi	13,65,000
38. Dr. Ravindra Tripathi, HSS	Strategies for Development of Handicraft Sector in India: An Empirical Study of Handicrafts Sector in Uttar Pradesh	ICSSR, New Delhi	3,15,000
39. Dr. Shivesh Sharma, DBT	Studies on Nanoparticles (FeO ₂ and CuO-NPS) Mediated Toxicity, Tolerance Mechanisms and Their Toxicity Management in Some Susceptible and Tolerant Rice (<i>Oryza sativa</i> L.) Varieties	CSIR, New Delhi	30,96,000
40. Dr. Radha Rani Mewaram DBT	Impact of <i>Vetiveria zizanioides</i> (L.), its root exudates and associated microbial communities on biogeochemistry of heavy metals and their application in development of remediation strategies for heavy metal contaminated sites	SERB, New Delhi	35,97,924
41. Dr. Mayank Pandey, Dr. Basant Kumar, Dr. Y. K. Prajapati, Dr. K. K. Mishra, CSE	Young Faculty Research of the Visvesvaraya PhD Scheme for Electronics & IT	DeitY, New Delhi	1,48,00,000
42. Dr. J. C. Mohanta, MED	Quad-captor application for live-inspection of power transmission lines	DST, New Delhi	24,12,300
43. Dr. Shashank Srivastava	Intelligent detection and mitigation of DDoS Attack in SDN	DST, New Delhi	24,64,880
44. Dr. Dipesh Shikchand Patle, Chemical	In SITU Biodiesel Production from Microalgae Using Ultrasonic Assisted Reactor	SERB, New Delhi	3,97,561
45. Dr. Harinder Singh, Assistant Professor, Chemical Engineering	Effect of Dual Modifications of Starch Isolated from Various Cultivars of Sorghum for the Production of Specialty and Resistant Starches and Evaluation of Genotype Diversity in Cultivars Using Flour As Model	Ministry of Food Processing Industries (MoFPI)	31,60,520
46. Dr. Ashutosh Mani, BDT	Screening and identification of natural inhibitors for β -Secretase-1 as potential therapeutics against Alzheimer's disease	SERB, New Delhi	45,17,480
47. Dr. Ruchi Chawla, Chemistry	Visible-light mediated synthetically important radical reactions of vinyl epoxides	DST, New Delhi	26,34,000
Total			25,31,65,222

DETAILS OF NEW SANCTIONED RESEARCH PROJECT DURING THE FINANCIAL YEAR 2018-19

Sl. No.	Principal Investigator /Co-investigator	Project Title	Funding Agency	Sanctioned Amount (₹)	Duration month and Years
1.	Dr. Shivesh Sharma, DBT	Studies on Nanoparticles (FeO ₂ and CuO-NPS) Mediated Toxicity, Tolerance Mechanisms and Their Toxicity Management in Some Susceptible and Tolerant Rice (<i>Oryza sativa</i> L.) Varieties	CSIR, New Delhi	36,93,000	3 Years
2.	Dr. Radha Rani Mewaram, DBT	Impact of <i>Vetiveria zizanioides</i> (L.), its root exudates and associated microbial communities on biogeochemistry of heavy metals and their application in development of remediation strategies for heavy metal contaminated sites	SERB, New Delhi	35,97,924	3 Years
3.	Dr. Mayank Pandey, CSED	Testing and Evaluation of Crowd Management Strategies at Kumbh Mela Allahabad using Agent Based Modeling and Simulation	Senior Superintendent of Police, Kumbh Mela Allahabad UP	10,00,000	6 Months
4.	Dr. Mayank Pandey Dr. Basant Kumar Dr. Y. K. Prajapati Dr. Krishna Kr Mishra	Young Faculty Research of the Visvesvaraya PhD Scheme for Electronics & IT	DeitY, New Delhi	1,48,00,000	5 Years
5.	Dr. Harinder Singh, Assistant Professor Chemical Engineering	Effect of Dual Modifications of Starch Isolated from Various Cultivars of Sorghum for the Production of Specialty and Resistant Starches and Evaluation of Genotype Diversity in Cultivars Using Flour As Model	Ministry of Food Processing Industries (MoFPI)	31,60,520	3 Years
6.	Dr. J. C. Mohanta, MED	Quad-captor application for live-inspection of power transmission lines	DST, New Delhi	24,12,300	3 Years
7.	Dr. Shashank Srivastava	Intelligent detection and mitigation of DDoS Attack in SDN	DST, New Delhi	24,64,880	3 Years
8.	Dr. Dipesh Shikchand Patle, Chemical	In Situ Biodiesel Production From Microalgae Using Ultrasonic Assisted Reactor	SERB, New Delhi	3,97,561	3 Years
9.	Dr. Ruchi Chawla, Chemistry	Visible-light mediated synthetically important radical reactions of vinyl epoxides	DST, New Delhi	26,34,000	3 Years
10.	Dr. Ashutosh Mani, BDT	Screening and identification of natural inhibitors for β -Secretase-1 as potential therapeutics against Alzheimer's disease	SERB, New Delhi	45,17,480	3 Years
Total				3,86,77,665	

SPONSORED RESEARCH PROJECTS COMPLETED DURING 2018-19

Sl. No.	Principal Investigator/ Co-ordinator	Title of Project	Sponsoring Agency	Month Year of Project. Sanct. and Duration
1.	Dr. Soumya Ranjan Mohanty	Embedded disturbance detection and classification for the distributed generation source connected to grid	SERB, New Delhi	3 Years
2.	Dr. Ashutosh Mani, BDT	Identification of Novel Drug Targets in Aspergillums Fumigates Genome Prioritized by essentiality based screening and rational designing of new Antifungal compounds	CST, Lucknow	3 Years
3.	Dr. Anuj Jain, AMD	Effects of Respirable Suspended articulate Matter (RSPM) on Chronic Obstructive Pulmonary Diseases (CPOD) Using Computational Fluid Dynamics (CFD)	CST, Lucknow	3 Years
4.	Dr. Nand Kishor, EED	Operation of the Smart Grid With Wide Area Information (Opera Grid)	DST, New Delhi	3 Years & 6 Months
5.	Dr. Rajesh Gupta, EED.	Power Electronics Converter Based Bidirectional Power Flow Controller for Energy Storage Applications	CSIR, New Delhi	3 Years & 3 Months
6.	Dr. Ajeet Singh, Physics	Modeling of Dyes and perovskites based Sensitizer for solar energy harvesting	SERB, New Delhi	3 Years
7.	Dr. Sushil Kumar, Chemical	Reactive Extraction of Nicotinic-and Isonicotinic Acids from Aqueous Solution	SERB, New Delhi	3 Years
8.	Dr. Vishnu Agarwal, DBT	Study of Role of Lactone Signaling and Alginate Production on Neutrophil interaction Appoptosis and Subsequent Macrophage Mediated Phagocytosis Against Pseudomonas Aeruginosa Biofilm associated infections	SERB, New Delhi	3 Years & 6 Months
9.	Dr. Asheesh Singh EED	Implementation of Fast Charging/Discharging PHEVs Integrated with Modern UPS for Peak Demand Reduction in Distribution System	CSIR, New Delhi	3 Years
10.	Dr. Pitam Singh, Mathematics	Social Priority Based Urban Road Transport System using GIS and DEA: Performance Assessment and Designing for Major Cities of Uttar Pradesh (India)	ICSSR, New Delhi	2 Years & 6 Months
11.	Dr. Rajesh Gupta, EED.	Hybrid DC Micro Grid System for Future Residential-Rural Electrification	MNRE, New Delhi	2 Years
12.	Dr. Ram Pratap Yadav, Physics	National Post-Doctoral Fellowship Scheme (Surface Study of ZnO and In ₂ O ₃ Thin Films by Fractal Approach and Its Applications)	SERB, New Delhi	2 Years
13.	Dr. Hemant Kumar Pandey, CED	Identification of Groundwater prospect and recharge zones in Districts Banda and Mahoba of Bundelkhand region of Uttar Pradesh	DST, New Delhi	2 Years & 6 Months
14.	Dr. Arun Prakash, ECED	Wireless Sensor Network (WNS) Routing for Industrial Application: Algorithm Design and Hardware	CST, Lucknow	2 Years
15.	Dr. Ambak Kr. Rai, DBT	Study to establish infection of L. donovani through intradermal route in hamsters and its pathological validation	DBT, New Delhi	2 Years
16.	Dr. Hari Pratap	National Post-Doctoral Fellowship Scheme	SERB,	2 Years

17.	Bhasker Dr. Mayank Pandey, CSED	Testing and Evaluation of Crowd Management Strategies at Kumbh Mela Allahabad using Agent Based Modeling and Simulation	New Delhi Senior Superintendent of Police, Kumbh Mela Allahabad UP	(resigned) 6 Months
-----	---------------------------------------	---	---	------------------------

ANNEXURE-10
TESTING AND CONSULTANCY

SL. No.	Name of PI	Name of Funding Agency	Project Title	Amount (INR)
1.	Dr. Ajaya Bharti	Executive engineer flood work Division, Allhabad. 334/348, mumfordganj, Allahabad-211004	Tensile Test	17,700.00
2.	Dr. V. P. Singh	Executive engineer, Sharada Sahayak Khan-51 Pratapgarh. U.P.	Sub-Soil Investigation.	13,86,500.00
3.	Prof. R. C. Vaisya	Sri A. Sudhakar Member secretary CPCB, ministry of Environment, Forest & Climate change Govt. Of India Parivesh Bhawan, East Arjun Nagar, Delhi-110032	Inspection of GIS by Teechnical-.Institution in Ganga main stem states.	47,56,875.00
4.	Dr. Y. K. Gupta	Mr. C Dinesh Kumar Reddy. Chief Exceutive officer, Cantonment Board.2, Ashoka Road, New cantt, Allahabad.	Vetting of Estimate part of DPR of New Building of Cantonment general Hospital in New Cantt, Allahabad	1,18,000.00
5.	Dr. L. K. Mishra	Mr Ch. V. Madhava Rao Project Managar NCC Limited, Yamunavihar Housing Scheme (AdA) ADA calony. Avantika yojana, Near ADA police Booth Naini Allahabad, 211008 (U.P.)	Mix Design of M-25 & M-30 Grade SCC with Admixture,	76,700.00
6.	Dr. A. K. Singh	Mr. Deep Prakash Yadav Sr. Manager Engg (C) (for Engineering in charge) Air port Authority of India Allahabad-(UP)	(1) Wet Mix Maeadam Design (2) GSB Mix Design	47,200.00
7.	Dr. Abhishek Kumar	M/S. Uma Enterprises, 116 Katha waiya Gaipura vindhyachal Mirjapur, U.P.	Tensil strengthand mass of Zinc Coating	12,980.00
8.	Dr. Abhishek kumar	Sandeep Builders,C-448 Indira Nagar, Sector-21 Lucknow	Tensile Test and Mass of Zinc Coating , Hardness.	15,930.00
9.	GIAN Co-ordinator (Dr.G. Psahu)	GIAN Co-ordinator MNNIT Alld.	Video Conferencing Charges (phy sics 21-28 Dec 17)	59,000.00
10.	GIAN Co-ordinator (Dr.G. Psahu)	GIAN Co-ordinator MNNIT Alld.	Video Conferencing Mar. 12-17, 2018	59,000.00
11.	GIAN Co-ordinator (Dr.G. Psahu)	GIAN Co-ordinator MNNIT Alld.	Video Conferencing Nov-06-10 2017	50,000.00
12.	GIAN Co-ordinator (Dr.G. Psahu)	GIAN Co-ordinator MNNIT Alld.	Video Conferencing July 31-April 11, 2017	1,18,000.00

13.	Prof. Rakesh Kumar	Project Manager U. P. Rajkiya Nirman Nigam Ltd, Safai Unit Behind the running stadium, Etawah	Inspection & Quality Chagne of a Building Complex.	82,600.00
14.	Dr. L. K. Mishra	Dr. Rajeev Singh, Narayan swaroop Hospital Neem sarai, Mundera, Thana Dhoomangan, Allahabad	Compresive strength of cubes	5,900.00
15.	Dr. L. K. Mishra	Executive Engineer, flood Division, Allahabad	Mix Design of M-25 Grade Concrete	29,500.00
16.	Er. Rohit Khanna	The Executive Engineer, Allahabad Development Authority Allahabad	Structural Desgin of Safety Railling for the approach Road of Chandra shekhar Bridge, Shastri Bridge and New Yamuna Bridge.	59,000.00
17.	Prof. A. K. Singh	Mr. Deepak Rai Sr. Mgr. (FGA) Meja Thermal Power Plant Allahabad.	(i) Testing of Gradation (ii) Dr. Y Density/ Procter Test/OMC/OMD	5,900.00
18.	Dr. A. R. Paul	M/S Viddut Kumar Jain, Kundan Bhawan. Sector-23 Indira Nager, Lucknow	Pressure Test of Ms. Pipe zommadia	13,806.00
19.	Dr. Vivek kumar Patel	M/S SMS Limited, Site office, Kodharghat Meja Allahabad	Tensile, Bends Rebend Test	1,03,840.00
20.	Dr. A. R. Paul	M/S Viddut Kumar Jain, Kundan Bhawan. Sector-23 Indira Nager, Lucknow	Tensile Test of M.S pipe zoommdia	5,900.00
21.	Dr. L. K. Mishra	M/S Akrtati Engineers, 28B, Sarla Bagh Exten, Dyal Bagh 167 Agra.	Mix Design of Concrete.	1,29,800.00
22.	Prof. Rakesh Kumar	The unit In-charge, U.P. Rajkiya Nirman nigam Ltd. Unit-13, Plot No.-4 Sector- 7 Gomti Nagar Extension, Lucknow	III Party Inspection and Quality Check of a residential/ non-residential buildings in Lucknow	94,400.00
23.	Prof. A. K.Sachan	M/S Singh & Associates 139-A Allenganj, Allahabad	Vetting of Structural Design of Chheonki Railway Station	70,800.00
24.	Dr. L. K. Mishra	Dy. GM (Civil), Northern Coalfield Limited, Nighai Project Civil Engineering Department, Nighai post-Nighai project, District-Singrauli, M.P., PIN-486884	Mix Design of M-25 Grade Concrete	29,500.00
25.	Dr. L. K. Mishra	M/s VIL Limited , Camp Office-Manu K Pura (Urwa), Meja , Allahabad	Testing of OPC Cement	9,440.00
26.	Prof. A. K.Sachan	Shri S. K. Ranjan Project Manager Ganga Pollution Control Unit U.P. Jal Nigam , Allahabad	Percentage Bitumen of Bituminous Macdam sample	5,900.00
27.	Dr. L. K. Mishra	Dr. Rajeev Singh, Narayan Swaroop Hospital, Neem Sarai, Mundera, Thana Dhoomanganj Allahabad 211011	Compressive Strength of Concrete Specimen	7,080.00
28.	Dr. N. R. Rawal	M/S Techno Electric & Engineering Co. Ltd, C/O Sr. Managar (FOA) Meja Thermal Power Plant, Allahabad	Testing of Water sample	7,080.00

29.	Dr.N. R. Rawal	M/S Bridge & Roof Co.(India) C/O Sr. Managar (FOA), Meja Thermal Power Plant, Allahabad	Testing of Water sample	7,080.00
30.	GIAN Co-ordinator	GIAN Co-ordinator MNNIT, Allahabad	Video Conferencing charges Oct 30, 04.Nov 17	59,000.00
31.	GIAN Co-ordinator	GIAN Co-ordinator MNNIT, Allahabad	Nov 06.10.2017	59,000.00
32.	GIAN Co-ordinator	GIAN Co-ordinator MNNIT, Allahabad	Dec.30.2017	59,000.00
33.	GIAN Co-ordinator	GIAN Co-ordinator MNNIT, Allahabad	Jan 22.26,17	59,000.00
34.	GIAN Co-ordinator	GIAN Co-ordinator MNNIT, Allahabad	Nov 22-April 02 2018	1,18,000.00
35.	GIAN Co-ordinator	GIAN Co-ordinator MNNIT, Allahabad	Nov 06-10 2017	50,000.00
36.	Dr. Abhishek Kumar	MS Ankit Enterprise, 49/273-C New Shobatiabag Allahabad	Tensile & Mass of Zinc coating	12,980.00
37.	Dr. Anindya Bhar	M/S VIL Limited Sector -20 Lucknow	Tensile, Bend and Rebend Test	47,200.00
38.	Dr. L. K. Mishra	The Engineer-in-Charge, SV Enviro, Labs & Consultants, Enviro House, B- 1,Block-B, IDA, Autonagar, Visakhapatnam-530012	Testing of Materials	9,440.00
39.	Dr. L. K. Mishra	Shri Yamuna Prasad, Ps.Jigna, Mirzapur	Testing of Materials	9,440.00
40.	Dr. L. K. Mishra	Mr. D. K. Rai, Manager (Civil), Power Grid Corporation of India Limited 6th Floor Indira Bhawan, Civil Lines Allahabad	Testing of Materials	9,440.00
41.	Dr. L. K. Mishra	Mr. Siddhartha Singh, AGM (FOA), Meja Thermal Power Plant (Allahabad)	Testing of PPC Cement	5,900.00
42.	Dr. N. R. Rawal	The Dy. Director (Construction), Mandi Parishad, Allahabad, U.P.	Design of Sump well & other	5,01,500.00
43.	Dr. A. R. Paul	M/S Narayan Singh chandral, 1585-A Matiyara Road Allahpur Allahabad	PVC pipe pressure test	43,542.00
44.	Dr. P. R. Pal	The Executive Engineer, First Construction Division, U.P. Jal Nigam, Bhujouli Colony, Deoria-18, U.P.	Rebound Hammer & UPV Test s on OHT	2,07,208.00
45.	Dr. L. K. Mishra	M/S Gopal Enterprises main road Singrauli (M.P.) 486889	Mix Design of M-25 Grade Concrete	29,500.00
46.	Dr. V. P. Singh	M/S VIL Limited, B-5/21, Vishal Khand , Gomti Nagar Lucknow, U.P	Soil Testing	53,100.00
47.	Dr. Vivek Kumar Patel	M/S Tata projects Limited ,Bareilly U.P 243004	Tensile Bend and Rebend Test	28,320.00
48.	Prof. A.K.Sachan	M/S Ramesh Singh Construction Vi, Dharshauna (Devenandpur) Post Cholapur - Varanasi	Structural Design of 150 KI 10m Staging	12,000.00
49.	Prof. A. K.Sachan	M/S Sunil Kumar Gaur, U.P. Jal Nigam, Turnkey – Kanpur Zone, Kanpur U.P.	Design of 250 KL OHT	15,000.00
50.	Prof. A. K.Sachan	M/S Sunil Kumar Gaur, U.P. Jal Nigam, Turnkey – Kanpur Zone, Kanpur U.P.	Vetting of 225 KL OHT	12,000.00
51.	Prof A. K Sachan	M/S Diksha Construction, 211/158, Naya Pura, Kareli, Allahabad.	Design of 200 KL OHT	15,000.00
52.	Prof. A. K.Sachan	M/S Awasthi tube well Company Kamla nagar, Collectorganj Fatehpur- 212601-	Design of 260 KL OHT	15,000.00

		India		
53.	Prof R. C. Vaishya	Dr. A. K. Vidyarthi- Additional Director & Divisional IIIT head. WQM-II Central Pollution Control Board Ministry of Environment Forest & Climate Change Govt of India, New Delhi	Testing Com Consultancy	32,08,125.00
54.	Dr. L. K. Mishra	Shri Tanveer Ahmed, Chairman Establishment, Sub-Committee Special Judge (SC/ST Act) District Court Faizabad	Testing of Materials	21,830.00
55.	Prof. R. P. Tiwari	M/S NPSS, Construction Pvt. Ltd V11/16 Liddle Road, George Town, Allahabad	Mass of Zinc coating	7,080.00
56.	Prof. R. P. Tiwari	M/S NPSS, Construction Pvt. Ltd. 11/16 Liddle Road, George Town, Allahabad	Prccsurc Test	13,806.00
57.	Prof. R. P. Tiwari	M/S NPSS, Construction Pvt. Ltd. 11/16 Liddle Road, George Town, Allahabad	Tensile Test	5,900.00
58.	Prof. A. K.Sachan	M/S Narendra Kumar Gupta, Sadar road, Karwi-Chitrakoot-210205	Vetting of Intake well.	30,000.00
59.	Prof. A. K.Sachan	M/S G. S. Express PVT, LTD. C-877, Mahanagar, Lucknow-226006	Design of 250 kl Overhead Tank	30,000.00
60.	Prof. A. K.Sachan	M/S Ramesh Singh Construction Cholapur, Varanasi	Design of CWR, Ph. Drain	20,000.00
61.	Prof. A. K.Sachan	M/S K.B. Gupta, Bachcha Jail, Hardauli Ghat Road Kyotara, Banda (U.P.) 210001	Design of 375 KI Overhead Tank	20,000.00
62.	Prof. A. K.Sachan	M/S R. K. Engineers, Sales Ltd Vibhuti khand (Near Railway station) Gomti Nagar Lucknow 226010	Design of 550 KI under ground Water Tank	20,000.00
63.	Prof. A. K.Sachan	M/S Maa Shanti Construction 93 E.W.S., Dabauli West, Kanpur-22	Design of 175 KI Overhead Tank	13,000.00
64.	Dr. L. K. Mishra	Executive Engineering, ADA, Allahabad	Testing of Concrete Cubes	7,080.00
65.	Dr. L. K. Mishra	M/S Satish Kumar & Co D-474, Govindpuram, Ghaziabad	Tensile Test	17,700.00
66.	Dr. V. P. Singh	M/S Tata project Limited, Biharipur, Kishore Bazar, Civil Lines, Bareilly, U.P-243004	Soil Testing	11,800.00
67.	Prof. R. P. Tiwari	The Apper Project Manager, U.P. Rajkiya Nirman Nigam Ltd. Mainpuri Unit, Firozabad	Third Party Inspection	1,77,000.00
68.	Prof. R. P. Tiwari	The Apper Project Manager, U.P. Rajkiya Nirman Nigam Ltd. Unit-1, Gorakhpur	Third Party Inspection	1,77,000.00
69.	Dr. Nekram Rawal	Project Manager, Ganga Pollution Control Unit UP Jal Nigam Allahabad	Testing of sewage Sample	42,480.00
70.	Dr. Nekram Rawal	M/S RCC Infra Venture Ltd. C/O Mr. N.P. Singh, IDSE, AEE (Civil), AGE (Project), AF: Station, Bamrauli, Allahabad	Testing of Water Sample	7,080.00
71.	Prof Rakesh Kumar	The Project Manger, U.P.P.C.L., Construction Unit-150, Seth Sukhoomal	Third Party Inspection of Building	2,95,000.00

72.	Dr. L. K. Mishra	Road, Sitapur (U.P) Officer-in-charge, M/S Satish Kumar & Co. D-474, Govindpuram, Ghaziabad	Testing of Materials	26,550.00
73.	Dr. A. R. Paul	M/S Awasthi Tube well Company, Fatehpur	Tensile Test	5,900.00
74.	Dr. A. R. Paul	M/S Awasthi Tube well Company, Fatehpur	Pressure Test	13,806.00
75.	Prof. Raj Mohan Singh	Sr. Project Manager, DBL Lucknow-Sultanpur Highway, Lucknow	Petrography test of rock	11,800.00
76.	Dr. L. K. Mishra	M/S C. K. Construction, 6th floor, lojix Techno park Plot-5 sector-127,Noida, Goutam Buddha Nagar Pin 201304	Mix Design of M-30 PM-35 grade concrete	88,500.00
77.	Prof R. P. Tiwari	M/s IPMC Company, 17-18, Auri More, Bina Road Anapara, Sonebhadra, U.P.	Consultancy Charges for Inspection	53,100.00
78.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd., Chitrakoot Unit, Chitrakoot	III Party Inspection of UPRNN of Chitrakoot	7,49,300.00
79.	Prof. R. P Tiwari	The Project Manager (E), Electrical Unit-3, U.P. Rajkiya Nirman Nigam Ltd., Plot No.4, Sahid Path, Gomti Nagar Sector-7 Lucknow	III Party Inspection of UPRNN of Works	1,12,148.00
80.	Prof. R. P Tiwari	M/s IPMC Company, 17-18, Auri More, Bina Road Anapara, Sone bhadra, U.P.	III Party Inpection	94,400.00
81.	Prof. R. P Tiwari	The Executive Engineer, Noida Central Division, Central public Works Department, I.P. Bhawan, Room No. B-319, 3rd Floor New Delhi-11002	Examination of Structural Feasibility	6,37,200.00
82.	Prof. R. P Tiwari	The Apper Project Manager, U.P. Rkiya Nirman Nigam Ltd. PGI Unit-I, Lucknow - 226014	Third Party Inspection of U.P. RNN	23,62,469.00
83.	Dr. Ashutosh Pandey	Shri SK Bajpai, Executive Engineer, UP State Construction and Infrastructure Development Corporation Limited, Fatehpur	Cement Plaster (Checking the ratio of cement and sand)	11,800.00
84.	Dr.Ashutosh Pandey	Mr. Rohit Khanna, Executive Engineering, ADA Allahabad	Unslaikad lime (Chemical Test)	23,600.00
85.	Dr. V. P Singh	Er. Subhash Chandra Dubey, Sr. Manager (FQA), NTPC, SSTPS, Shakti nagar, Sonebhadra-231222 (U.P)	Soil Testing	76,110.00
86.	Dr. V. P.Singh	M/S VIL Limited, B-5/21, Vishal Khand, Gomti Nagar, Lucknow, U.P	Soil Testing	11,800.00
87.	Dr. V. P.Singh	M/s Ram Kripal singh construction Pvt, Ltd Noida, (U.P)	Soil Testing	7,080.00
88.	Prof A. K. Sachan	M/s Viddut Kumar Jain Kundan Bhawan, Sector 23/6. Indira Nagar (Lucknow)	Design of 2000 kl & 850KI OHT	1,12,100.00
89.	Dr. Ramesh Pandey	M/s VIL Limited, Manu ka pura, Meja, Allahabad	Tensile Bend Rebend Test	56,640.00
90.	Prof. R. P Tiwari	M/s Ram Kripal singh construction Pvt, Ltd. Noida, sector-3 Noida, U.P.	Tensile Bend & Rebend Test	56,640.00

91.	Prof. R. P Tiwari	M/s SMS Limited, Site office Kodharghat, Meja, Allahabad	Tensile Bend Rebend Test	1,03,840.00
92.	Prof. R. P Tiwari	M/S IPMC Company, 17-18, Auri More, Bina Road Anapara, Sonebhadra, U.P.	III Party Inspection of Site & Material test,	53,100.00
93.	Prof. R. P Tiwari	The Apper Project Manager, U.P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	III Party Inspection of UPRNN Project	13,16,687.00
94.	Dr. Anindya Bhar	M/s Bhardwaj Developers, Gomtinagar, Lucknow	Testing Bend Rebend Test	28,320.00
95.	Dr. L. K. Mishra	Project Manager, U.P. Rajkiya Nirman Nigam Limited, Bhadohi Unit	Inspection of Construction work of Trauma Center	1,29,800.00
96.	Dr. L. K. Mishra	M/s Techno Electrics Engineering Co. Ltd, 33 Cantt Road, Lucknow	Testing of PPC Cement	5,900.00
97.	Dr. L. K. Mishra	UP State Construction & Infrastructure Development Corporation Ltd, ITI Road, Collectorganj Fatehpur	Testing of Materials	5,900.00
98.	Prof. A. K. Sachan	M/s Neeraj Constructions Allahabad, 215/1 chaukhandi, Kydgunj, Allahabad	Design of 300 KI 400 KI OHT	44,840.00
99.	Prof. A. K. Sachan	M/s Neeraj Constructions Allahabad, 215/1 chaukhandi, Kydgunj, Allahabad	Design of 275, 450 & 550KI OHT	64,900.00
100.	Dr. N. R. Rawal	M/s Ram Kripal Singh Construction Pvt Ltd, Urwa, Allahabad-UP	Testing of Water Sample	8,850.00
101.	Dr. N. R. Rawal	Mr. Anil Pillai, Vice President, Technology Application & Business Development Bioxgreen Technology Pvt Ltd., Chennai	Testing of Sevage Sample	23,600.00
102.	Dr. N. R. Rawal	Project Manager, Ganga Pollution Control Unit UP Jal Nigam , Allahabad	Testing of Sewage Sample	23,600.00
103.	Dr. N. R. Rawal	Dr. Kapil Kulshrestha, Yashlok Hospital and Research Centre, 43A/31A, Hashimpur Road, Allahabad	Testing of Water Sample	14,160.00
104.	Dr. Tamal Ghosh	Mr. Tanvir Ahmad, Adhayaksha, Avasthapna Upsamiti, SC/ST act Janpad Nyayalai Faizabad	Testing of Mortar	11,800.00
105.	Dr. Tamal Ghosh	Mr. Tanvir Ahmad, Adhayaksha, Avasthapna Upsamiti, SC/ST act Janpad Nyayalai Faizabad	Testing of Mortar	11,800.00
106.	Dr. L. K. Mishra	M/s New Modern Technomech, 52/29, Chhancha Pvt Ltd, Industrial Estate, Mayurbhanj, Odisha	Compressive Strength of M10 Cubes	5,900.00
107.	Dr. L. K. Mishra	M/s Vinod Dwivedi, Govind Nagar, Chitrakoot UP	Mix Design M 25 & M 35 Grade Concrete for RCC Works	82,600.00
108.	Dr. Anindya Bhar	Mr. Tanvir Ahmad, Adhayaksha, Avasthapna Upsamiti, SC/ST act Janpad Nyayalai Faizabad	Tensile Bend and rebend Test	28,320.00
109.	Dr. L. K. Mishra	Mr. Anand Prakash, Executive Engineering, ADA Allahabad	Compressive Strength of C.C. Cubes	9,440.00

110.	Dr. N. R. Rawal	Mr. Anil Pillai, Vice President, Technology Application & Business Development BioXgreen Technology pvt. Ltd. Chennai-600018	Testing of sewage sample (BOD, TSS) (outlet)	5,900.00
111.	Dr. Abhishek Kumar	M/s Pancham Realcon Private Limited Omaxe First Floor, 56A/56B, Adarsh Square Sardar Pater Marg Civil Line, Allahabad U.P.-211001	Tensile Bend Rebend Test	28,320.00
112.	Dr. N. R. Rawal	M/s Techno Electric & Engineering Co. Ltd. C/O Sr. Mgr. (FOA) Meja Thermal Power Plant (Allahabad), 5th floor Sangam Palace, Civil Line Allahabad	Testing of water sample	8,850.00
113.	Prof. A. K. Sachan	M/s Viddut Kumar Jain Kundan Bhawan, Sector 23, Indira Nagar Lucknow 226016	Design of 200 kl and 500 kl OHT	44,840.00
114.	Prof. A. K. Sachan	The Executive Engineer, ADA Allahabad	Design of RCC slab of SPAN 6.5 m.	82,600.00
115.	Prof. A. K. Sachan	M/s R. K. Engineers Sales Ltd Vibhuti Khand Gomti Nagar, Lucknow -226010	500 kl and 600 kl semi underground water tank with ph	40,000.00
116.	Prof. A. K. Sachan	MS Viddut Kumar Jain Kundan Bhawan, Sector 23/6. Indira Nagar (Lucknow) 226016	Design of 150 kl & 150 kl 250 kl. Water Tank	59,000.00
117.	Dr. L. K. Mishra	The Officer-In-Charge Nandi Agro Initiative Pvt. Ltd. 287, Bahadurganj, Allahabad-211003	Testing of Cement Brick	5,900.00
118.	Dr. L. K. Mishra	M/s UPRNN, Structural Sector D-6 and D-7, Naini, Allahabad	Testing of Materials	67,850.00
119.	Dr. L. K. Mishra	Shri Tanveer Ahmed, Chairman, Establishment Sub-Committee, Special Judge (SC/ST Act), District Court, Faizabad	Testing of Cubes	18,880.00
120.	GIAN Coordinator, All. EED	GIAN Course, Co-ordinator, Allahabad.	Video conferencing 13-17 Nov. 2018	59,000.00
121.	Prof. A. K. Sachan	M/s Neeraj Construction, 215/1, Chaukhandi, Kydganj, Allahabad - 211003 (U.P.)	Design of 400 kl, 650 kl and 750 kl Water Tank	80,004.00
122.	Dr. L. K. Mishra	M/s Piyush Pandey, Shreeram Contractors FF, 01, 2nd Floor, Parsavnath Plaza, Alfa-1, Commercial Belt, Greater Noida, G.B. Nagar-201308 (U.P.)	Compressive Strength of Cubes	5,900.00
123.	Dr. L. K. Mishra	Mr. Rohit Khanna, Executive Engineer, ADA Allahabad	Compressive Strength of C.C. Cubes	7,080.00
124.	Prof Rakesh Kumar	The Project Manager, Construction and Design Services, Unit-15, Uttar Pradesh Jal Nigam, Over P.C.F. Aliganj, Banda (U.P)	Inspection of renovation work of Animal Medical Science & Animal Husbandory Degree College Banda	94,400.00
125.	Dr. Tamal Ghosh	Executive Engineer, Rural Engineering	Motar test (ratio of	11,800.00

	Department, Block-Pratapgarh	cement and sand content)		
126.	Dr. Abhishek Kumar	Office of Project Manager, Unit-33, Construction and Design Services, U. P. Jal Nigam, 263 Mamfordganj, Allahabad	Testing of Speomen, Materials, Tensile Bend Rebend Test	56,640.00
127.	Prof. A. K Sachan	M/S Satish Chandra Sachan, 279, EWS, Double Story, Barra, Kanpur	Design of 400 kl water Tank.	23,600.00
128.	Prof. A. K Sachan	M/s Maa Shanti Construction 93 E.W.S, Dabauli West, Kanpur	Design of 225 kl water Tank.	17,700.00
129.	Prof. A. K Sachan	M/s Radhe Sales, Vill-Aiyle, P.O.-Tiwaripur, Varanasi, S-17-119, Pahariya, Varanasi	Design of 100 kl OHT	16,520.00
130.	Dr. Ajay Bharti	M/s S. K. Verma, Executive Engineer, Office of Executive, Engineer six construction division U.P.Jal Nigam Allahabad.	Tensile Test	23,600.00
131.	Dr. Tamal Ghosh	Executive Engineer, Rural Engineering Department Block-Pratapgarh	Motar test (ratio of cement and sand content)	11,800.00
132.	Dr. A. K. Sachan	M/S R.K. Engineers Sales Ltd., Vibhuti Khand Gomti Nagar, Lucknow-226010	Design of 600kl under ground Tank & phon it	20,060.00
133.	Prof. A. K. Sachan	M/S Sai Construction, N-1/65 C-6, Sewa Upvan Colony, Samneghat, Lanka Varanasi-221005	Design of 850 kl water Tank.	41,300.00
134.	Dr. N. R. Rawal	M/S Jai Prakash Enterprises, C/O Assistant Engineer Allahabad Development Authority	Testing of water sample	8,850.00
135.	Dr. L. K. Mishra	M/S K. K. Enterprise, Bajha Ghibeya, Jhusi, Allahabad	Testing of Materials	8,850.00
136.	Dr. L. K. Mishra	Shri M. R. Gupta, Unit Incharge Uttar Pradesh State Construction Corporation Limited (Allahabad Unit-1, Allahabad) Project Manager, 24 Court Rooms under construction, District Court (Infront of Police Post Katra) Allahabad-211001	Mix Design of Concrete	1,41,600.00
137.	Dr. L. K. Mishra	M/s New Modern Technomech, Pvt.Ltd. S2,Chhancha Industrial Estate, P.O.-Baripada, Dist-Mayurbhanj, Odisha-757001	Compressive Strength of Cubes	5,900.00
138.	Dr. Ashutosh Pandey	Mr. Rohit Khanna, Executive Engineer, ADA Allahabad	Mortor Test	29,500.00
139.	Dr. Ashutosh Pandey	Anjum Pervez, Associate General Manager-QA/QC GMR Infrastructure Ltd. House No. 2/2B (Near Vishal Mega Mart), 1 Floor Bhagwan Ram Mandir Marg, Civil Lines Allahabad-211001 U.P.	PH Value	5,900.00
140.	Dr. Ashutosh pandey	Anjum Pervez, Associate General Manager-QA/QC GMR Infrastructure Ltd. House No. 2/2B (Near Vishal Mega Mart), 1 Floor Bhagwan Ram Mandir	PH Value	11,800.00

141.	Dr. Ashutosh Kumar Upadhyay	Marg, Civil Lines Allahabad-211001 U.P. M/S VIL Limited, Manu Ka Pura, Meja, Allahabad	Tensile Bend and Rebind Test	1,51,040.00
142.	Dr. A. R. Paul	M/s R.A. Construction,8/5, Nehru Nagar Meerapur, Allahabad	PVC Sheet Consile & Hardness Test	17,700.00
143.	Dr. Kumar Venkatesh	M/s Global Engineers 5/429, Vikas Khand Gombi Nagar, Lucknow	Checking of Design & Foundation of Drawings	59,000.00
144.	Dr. L. K. Mishra	The Officer-In-Charge, HITECH PREFAB 315/102-B, Alopibagh, Allahabad-211006	Compressive Strength of Precast R.C.C Bend Elements.	35,400.00
145.	Dr. L. K. Mishra	M/s Garg Builders Ground flour, 25 Chanderpuri Ghaziabad U.P.-201001.	Mix Design of M-25 Grade Concrete	35,400.00
146.	Dr. V. P. Singh	M/s Pratham Enterprises, 144/4A Kareli Allahabad	Borehole & SPT Test	55,460.00
147.	Prof. A. K. Singh	Excutive Engineer Allahabad Development Authority Allahabad (U.P)	Work of modern Karan Suddidhi Karan and Saundayakikaran of Khushrubagh, Allahabad.	11,800.00
148.	Dr. Gautam Ghosh	Shri Nand Gopal Gupta 'Nandi' Minister, Stamp and Court Fees, Registration and Civil Aviation Department, Government of Uttar Pradesh	Testing of Materials	34,220.00
149.	Dr. N. R. Rawal	M/s Ram Kripal Singh, Construction (P). Limited, Lehdi Crossing, Urwa, Allahabad	Testing of water sample	8,850.00
150.	Dr. N. R. Rawal	M/s Ram Kripal Singh, Construction (P). Limited, Lehdi Crossing, Urwa, Allahabad	Testing of water sample	8,850.00
151.	Dr. N. R. Rawal	M/s Ram Kripal Singh, Construction (P). Limited, Lehdi Crossing, Urwa, Allahabad	Testing of water sample	8,850.00
152.	Prof. A. K. Sachan	M/s Executive Engineer, U. P. Jal Nigam Jhansi	Design of 100 kl CWR 4 P.H	23,600.00
153.	Prof. A. K. Sachan	Er. Pankaj Chopara, APM UPRNN Ltd Kaushambi Unit, Allahabad	Design of 75 kl -100 kl OHT & ProQ.	35,400.00
154.	Prof. A. K. Sachan	M/s Radhe Sales, Vill- Aiyle, PO- Tiwaripur, Varanasi	Design of 225 kl OHT	30,680.00
155.	Prof. A. K. Sachan	M/s Neeraj Construction, 215/1 Chaukhandi Kydganj Allahabad 211003	Design of 650 kl Water Tank.	29,500.00
156.	Prof. A. K. Sachan	M/s Tahir Construction B-111 Rajeev Nagar Karchhana, Vihari marg kalyanpur, Lucknow,	Design of 400 kl Water Tank.	22,420.00
157.	Prof. A. K. Sachan	M/s G. S. Express Pvt. Ltd.C-877, Mahanagar, Lucknow-226006	Change in ht of staging 250 kl OHT	14,750.00
158.	Prof. A.K. Sachan	M/s EMS Infracon Private Limited House No. 29, Ambedkar Vihar Chauphatka, Allahabad (UP)-211001	Grading test of Ballast G1,G2 & G3	7,080.00
159.	Dr. L. K. Mishra	Maa Lalita Entertainment & Developers Private Limited 265/316 Old Katra	Compressive Strength of M-25 Cubes	5,900.00

160.	Dr. L. K. Mishra	Allahabad M/s. S.P. Tripathi, Project Manager Unit-33, Construction and Design Services Uttar Pradesh Jal Nigam 263, Momfoedganj, Allahabad	Testing of Materials	30,090.00
161.	Dr. A. R. Paul	Executive Engineer, Office of Executive Engineer Jal Nigam Kaushambhi	PVC PiPe 90 mm dia Pressure Test	9,912.00
162.	Dr. Vivek Kumar Patel	M/s Ram Kripal Singh Construction (P). Limited, Lehdi Crossing, Urwa, Allahabad	Tensile Bend Rebend Test	37,760.00
163.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Rajkiya Medical College Unit, Bahraich	III Party Inspection	3,54,000.00
164.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Shravasti Unit, Shravasti	III Party Inspection	3,54,000.00
165.	Prof. R. P. Tiwari	The Project Manager, U.P. Rajkiya Nirman Nigam Ltd., Etawah Unit-1, Etawah-2720662	III Party Inspection	3,54,000.00
166.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	III Party Inspection	3,54,000.00
167.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Saifai Unit-1, Etawah	III Party Inspection	1,77,000.00
168.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Saifai Unit-1, Etawah	III Party Inspection	1,77,000.00
169.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Saifai Unit-1, Etawah	III Party Inspection	1,77,000.00
170.	Prof. R. P. Tiwari	The Project Manager, U.P. Rajkiya Nirman Nigam Ltd., SUDH Unit-1, Agra-2275183	III Party Inspection	3,54,000.00
171.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. PGI Unit-1, Lucknow-226014	III Party Inspection	1,77,000.00
172.	Prof. R.P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	III Party Inspection	5,31,000.00
173.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Mainpuri Unit, Firozabad-283203	III Party Inspection	94,400.00
174.	Prof. R. P. Tiwari	M/s IPMC Company 17-18, Auri More, Bina Road, Anapara, Sonebhadra, U.P.	Site Inspection	1,53,400.00
175.	Dr. Abhishek Kumar	M/s Galvano India, Pvt. Ltd. E-95-97, UPSIDC Surajpur Industrial Area, Distt-Gautam Budh Nagar, Greater Noida-201306 (U.P)	Mass of zine coating, weight persquare meter Base meter-thickness.	10,030.00
176.	Dr. Abhishek Kumar	M/s Galvano India, Pvt. Ltd. E-95-97, UPSIDC Surajpur Industrial Area, Distt-Gautam Budh Nagar, Greater Noida-201306 (U.P)	Tansile Test	5,900.00

177.	Dr.V. P. Singh	M/s Ram Kripal Singh, Construction (P) Limited Noida U.P.	Testing of soile sample	23,600.00
178.	Prof. R. P. Tiwari	M/s IPMC Company 17-18, Auri More, Bina Road Anapara, Sonebhadra, U.P.	Material Test Design cheek. Inspection	59,000.00
179.	Dr. G. Ghosh	M/s Sanjay Kumar Singh, Vill-Sikari, Khorabar, Gorakhpur	Compressive Strength of Cubes	5,900.00
180.	Dr. L. K. Mishra	Sr. Section Engineer (Works), N. C. Railway, Chunar	Testing of Materials	5,900.00
181.	Dr. L. K. Mishra	Sr. Section Engineer (Works), N. C. Railway Chunar	Testing of Materials	9,440.00
182.	Dr. L. K. Mishra	M/s C. K. Construction 6th Floor Logix Techno park Plot No- 5 Sector -127, Noida Gautam Buddha Nagar, U.P 201304,	Testing of Cement Sample	11,800.00
183.	Dr. N. R. Rawal	M/s C. K. Construction, 6th Floor Logix Techno park Plot No- 5 Sector -127, Noida Gautam Buddha Nagar, U.P 201304	Testing of Water Sample	8,850.00
184.	Prof A. K. Singh	Md. Luqman Khan, Ganga Pollution Control Unit, U. P. Jal Nigam, Allahabad	Road Restoration work	23,600.00
185.	GIAN Coordinator	GIAN course coordinator, MNNIT, Allahabad	Vide Conferencing sept 24 To Sept 28, 2018	59,000.00
186.	Dr. Ajay Bharti	M/s C. K. Construction, 6th Floor Logix Techno park Plot No- 5 Sector -127, Noida Gautam Buddha Nagar, U.P 201304	Tensile Bend and Rebend Test	47,200.00
187.	Dr. N. R. Rawal	M/s Shakuntala Lifestyle 917/ 397A/1, Meerapur, Prayagraj-211003	Testing of wastewater sample	5,900.00
188.	Prof. R. P. Tiwari	The Project Manager, U.P. Rajkiya Nirman Nigam Ltd. Etawah Unit-1, Etawah-2720662	III Party Inspection	1,77,000.00
189.	Prof. R. P. Tiwari	The Project Manager, U.P. Rajkiya Nirman Nigam Ltd. Etawah Unit-1, Etawah-2720662	III Party Inspection	1,77,000.00
190.	Prof. Rakesh Kumar	The Unit In-charge, U.P. Rajkiya Nirman Nigam Ltd., Unit-13, PlotNo.-4, Sector-7 Gomti Nagar Extension, Lucknow	III Party Inspection	94,400.00
191.	Dr. Kumar Venkatesh	M/s S.V.N. Builders 44, Anaaj Mandi Hapur Road Ghaziabad	Vetting of Design/ Drawing of Reinforced Earth Wall	1,06,200.00
192.	Dr. Rakesh Kumar	M/s, Sadan Construction Sadan Shah, Civil Lines, Lalitpur	Design and Drawing of C.W.R.	70,800.00
193.	Dr. Kumar Venkatesh	R. S.Constructions 1-635, Govind Puram, Ghaziabad	Vetting of Design/ Drawing of Reinforced Earth Wall	35,400.00
194.	Dr. G. Ghosh	DTH Infra Engineers Private Limited 1849/2, Multan Nagar, Mandir Wali Gali, Baghpat Road, Meerut, Uttar Pradesh-250002	Testing of Materials & Mix Design of M30 Grade Concrete.	1,22,720.00

195.	Dr. L. K. Mishra	M/s Kusum Constructions, LS-2/255, Sector-F, Jankipuram, Lucknow, U.P., PIN-226021	Testing of Materials	5,310.00
196.	Dr. G. Ghosh	DTH Infra Engineers Private Limited 1849/2, Multan Nagar, Mandir Wali Gali, Baghpat Road, Meerut, Uttar Pradesh-250002	Compressive Strength of Cubes	5,900.00
197.	Prof. A. K. Sachan	M/s K. N. Agarwal, 126/H/28, Govind Nagar, Kanpur-208006	Design of 100 kl 18 m Overhead Water Tank and 200 kl m Under Ground Tank.	31,860.00
198.	Prof. A. K. Sachan	M/s Gopal Enterprises, Vill & Post-Chibaiya, Prayagraj	Design of 1200 kl on 26 m (22+4) staging	50,000.00
199.	Prof. A. K. Sachan	M/s Nitin Construction Company, 33, Ajay Nagar, Near Sector- 8, Indira Nagar, Lucknow-226016	Design of 800 kl & 550 kl Water Tank	75,000.00
200.	Prof. R. P. Tiwari	The Apper Project Manager, U.P. Rajkiya Nirman Nigam Ltd. Rajkiya Medical College Unit, Bahraich	III Party Inspection	1,77,000.00
201.	Dr. L. K. Mishra	M/s New Modern, Technomech Pvt. Ltd. 211/A, Chakia, Allahabad-211017 (U.P.)	Testing of Materials	46,020.00
202.	Dr. L. K. Mishra	M/s New Modern, Technomech Pvt. Ltd. 211/A, Chakia, Allahabad-211017 (U.P.)	Testing of Materials	18,880.00
203.	Prof. Rakesh Kumar	UPRNN Banda Unit Banda	III Party Inspection of Govt Allopathic Medical College	16,99,200.00
204.	Dr. L. K. Mishra	M/s New Modern, Technomech Pvt. Ltd. 211/A, Chakia, Allahabad-211017 (U.P.)	Testing of Materials	9,440.00
205.	Dr. A. K. Upadhyay	M/s VIL Limited, Manu Kapura Meja, Allahabad	Tensile, Bend and Rebend Test.	75,520.00
206.	Dr. N. R. Rawal	M/s Vil Limited, Lucknow C/O Manager (Civil), RITES Ltd., Vth floor, Sangam Place Civil Line, Allahabad	Testing of water sample	17,700.00
207.	Dr. G. Ghosh	M/s Garg Builders, Ground Floor, 125 Chanderpuri Ghaziabad, U.P., Pin-201001	Mix Design of M-30 Grade Concrete with OPC and Admixture	41,300.00
208.	Dr. G. Ghosh	M/s Gopal Enterprises, Vill & Post-Chibaiya, Prayagraj	Compressive Strength of Cubes	5,900.00
209.	Dr. G. Ghosh	Mr. Pankaj Tare, Project Manager Tata Projects Limited Allahabad Airport Project Allahabad New (Civil Enclave) Airport Project Near ITBP, Koshambhi Road, Jhalwa-211012, Uttar Pradesh	Flexural Strength of Beams	5,900.00
210.	Dr. G. Ghosh	M/s L. P. R. construction, 15F/1A Baghbari Gaddi, Allahabad	Testing of Interlocking Paver Block	6,490.00
211.	Dr. G. Ghosh	M/s Anil Kumar Rai, R.S. Housing Colony, Bartand, Dhanbad, Jharkhand	Testing of Vitrified Floor Tiles	13,570.00
212.	Dr. L. K. Mishra	Mr. Amit Srivastava, Area Officer, Karchhana, Allahabad	Testing of Materials	24,780.00
213.	Prof. Rakesh Kumar	The Unit In-charge, U.P. Rajkiya Nirman	III Party Inspection	94,400.00

214.	Prof. Ajay Kumar Singh	Nigam Ltd., Sodic Unit Agriculture Engineering College Campus, Etawah M/s EMS Infracon Private Limited House No. 29, Ambedkar Bihar Prayagraj - 211001	Ballast Tesing	7,080.00
215.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	III Party Quality check of Construction work of U.P.R.N.N.	1,77,000.00
216.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	III Party Inspection	1,77,000.00
217.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	III Party Inspection	1,77,000.00
218.	Dr. G. Ghosh	M/s Bridge & Roof Co (India) Limited, Kankria Centre, 5th Floor, 2/1, Russel street Kolkata-71	Testing of Materials	1,35,700.00
219.	Prof. A. K. Singh	Shri D. K. Sinha SE MoH & FW Project Cell (PMMSY) AIIMS, Patna	Providing Consultancy Services for 3 rd Party Inspection (AIIMS Patna)	49,56,000.00
220.	Prof. R. P. Tiwari	Executive Engineer Noida Central Division CPWD, New Delhi-110002	Examination of Structural Feasibility	70,800.00
221.	Dr. Goutam Ghosh	M/s Mohd. Aleem, 68, Mahewa East, Naini, Allahabad-211007	Testing of Interlocking Paver Block	12,980.00
222.	Dr. L. K. Mishra	M/s New Modern Technomech Pvt. Ltd., 211/A, Chakia, Allahabad-211017, U.P.	Compressive Strength of Cubes M-10 Grade	5,900.00
223.	Dr. L. K. Mishra	M/s New Modern Technomech Pvt. Ltd., 211/A, Chakia, Allahabad-211017, U.P.	Compressive Strength of Cubes M-10 Grade	5,900.00
224.	Dr. Gautam Ghosh	Mr. Rohit Khanna, Executive Engineer, ADA Allahabad	Compressive Strength of C.C Cubes	5,900.00
225.	Dr. L. K. Mishra	M/s EMS Infracon Pvt. Ltd., C-88, RDC, Rajnagar, Ghaziabad, U.P. 201002	Load Test of Manhole Cover with Frame	17,700.00
226.	Dr. Goutam Ghosh	M/s EMS Infracon Private Limited House No. 29, Ambedkar Vihar, Chauphatka, Prayagraj 211001, U.P., India	Testing of Aggregate	5,900.00
227.	Dr. Rama shankar	Project Manager, U. P., ADA Colony, Nirman Ekai, Partapgarh	Non Distructive and Load Test of the Building.	9,44,000.00
228.	Dr. L. K. Mishra	Shri Vijay Kiran Anand, I.A.S. Mela Adhikari Kumbh Mela Prayagraj	Non Distructive and Load Test of the Building.	4,72,000.00
229.	Dr. L. K Mishra	Shri Vijay Kiran Anand I.A.S. Mela Adhikari Kumbh Mela Prayagraj	Non Distructive and Load Test of the Building.	2,92,050.00
230.	Dr. Anuj Jain	M/s Garg Builders Chanderpuri 125, Ground Floor Ghaziabad (U.P.)	Tensile, Bend and Rebend Test.	56,640.00
231.	Dr. Abhishek Kumar	M/s Ekmay Pump and Power Project Limited, Lucknow	Mass of Zinc Coating of Base Metal Thickness and Total Thickness	10,030.00

232.	Prof. R. C. Vaishya	Dr. A. K. Vidyarthi, Additional Director & I/C WQM-II Parivesh Bhawan East. Arjun Nagar Delhi-2110032	Inspection of GPIS in Ganga Main Stem Statas	79,65,000.00
233.	Prof. A. K. Sachan	M/s Vashno Contruccion & Trading Company 26, Shyamji Puram, Agra	Design of 550 kl 18 m staging tank	35,000.00
234.	Prof. A. K. Sachan	M/s Neeraj Contractions 215/1, Chaukhandi, Kydganj Allahabad 211003 (U.P)	Design of 600 kl 16 m staging tank	35,000.00
235.	Prof. A. K. Sachan	M/s Viddut Kumar Jain, Kundan Bhawan, Sec-23, Indira Nagar, Lucknow-226016	Design of 1600 kl 20 m staging tank	50,000.00
236.	Prof. R. P. Tiwari	The Chief Engineer, Prayagraj Development Authority Prayagraj	III Party Inspection & Quality Check of Materials	82,600.00
237.	Prof. R. P. Tiwari	The Additional Project Manager, U.P. Rajkiya Nirman Nigam Ltd., Unit-17, Plot No. 4, Shaheed Path, Sector-7 Lucknow-226010	III Party Inspection & Quality Check	3,54,000.00
238.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	III Party Inspection & Quality check	1,77,000.00
239.	Prof. R. P. Tiwari	The Additional Project Manager, U.P. Rajkiya Nirman Nigam Ltd. Arbi Farsi University Unit Lucknow	Illrd Party Inspection & Quality check	7,08,000.00
240.	Prof. R. P. Tiwari	The Additional Project Manager, U.P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	Illrd Party Inspection & Quality cheek	1,77,000.00
241.	Prof. R. P. Tiwari	The Additional Project Manager U. P. Rajkiya Nirman Nigam Ltd. King George Medical University Unit-10, Lucknow-226003	Illrd Party Inspection & Quality check	1,77,000.00
242.	Dr. N. R. Rawal	Mr. Amit Kumar Katiyar, Executive Engineer, Section II UP Jal Nigam, Civil Line Prayagraj-211001	Testing of Sewage Sample	8,850.00
243.	Dr. Ramesh Panday	R. P. Singh Brigadier, Chairma, APS, New Cantt Allahabad (Office of Chairman Army Public School New Cantt Allahabad)	Design Consultay Structural Audit of School Building	29,500.00
244.	Prof. A. K. Singh	Dy. Project Manager, UP Bridge Corporation Ltd. Bridge Corporation Unit-2 Allahabad	Job Mix Design	2,59,600.00
245.	Prof. R. C. Vaishya,	Dr. Ashok Kumar Scienffic Officer, U.P. Pollution Control Board Lucknow, UP	Monitoring Industrieies STPS & CETPS by TPI Kumbh-2019	2,54,800.00
246.	Prof R. P. Tiwari	The Apper Project Manager, U.P. Rajkiya Nirman Nigam Ltd., Mainpuri Unit, Firozabad- 283203	III Party Inspection Material Testing	53,100.00
247.	Prof. R. P. Tiwari	The Additional Project Manager, U.P. Rajkiya Nirman Nigam Ltd. Shravasti Unit, Shravasti	III Party Inspection Material Testing	1,77,000.00

248.	Prof. R. P. Tiwari	The Additional Project Manager U.P. Rajkiya Nirman Nigam Ltd. Shravasti Unit, Shravasti	III Party Inspection Material Testing	2,36,000.00
249.	Prof. A. K. Sachan	M/s Viddut Kumar Jain Kundan Bhawan, Sec-23, Indira Nagar, Lucknow-226016	Design of 1500 kl and 400 kl OHT	79,910.00
250.	Dr. Anindiya Bhar	M/s Diya Traders Raipur pure kalyan shah, Soraon harisen ganj Allahabad	Tansile Strength	23,600.00
251.	Dr. Goutam Ghosh	Mr. Manish Bhatnagar, Earthen Pot Eurogren 555C/1, Mumfordganj, Allahabad	Testing of Interlocking Paver Block	6,490.00
252.	Dr. Goutam Ghosh	M/s. S. K. Tripathi, Project Manager Unit-33, Construction and Design Services Uttar Pradesh Jal Nigam 263, Momfoedganj, Allahabad	Testing of Materials	34,810.00
253.	Dr. Goutam Ghosh	Project Manager, Construction Unit-14, UP Projects Corporation Ltd. Construction Unit-14, Near Shekhar Hospital Indira Nagar, Lucknow 226016	Testing of Materials	24,780.00
254.	Dr. Goutam Ghosh	M/s. S. K. Tripathi Project Manager Unit-33, Construction and Design Services Uttar Pradesh Jal Nigam 263, Momfoedganj, Allahabad	Compressive Strength of Cubes	5,900.00
255.	Prof R. P. Tiwari	Shri Rajiv Singh, Additional Project Manager, UP State Construction Corporation Ltd., Machinery and Structural Center D-6 and D7 Naini Allahabad	Tensile, Bend and Rebind Test	47,200.00
256.	Dr. Gutam Ghosh	Additional Project Manager, Uttar Pradesh State Construction Ltd., Prayagraj Unit-2 Machinery and Structural Center D-6 and D7 Naini Prayagraj	Testing of Materials	47,790.00
257.	Dr. N. R. Rawal	M/s Bioxgreen Technology Pvt. Ltd., Neeladri Building, 2nd Floor, 9 Cenotaph Road, Alwarpet, Chennai-600018	Testing of Sewage sample	35,400.00
258.	Dr. N. R. Rawal	Er. S.K. Verma Executive Engineer, Construction Section, Shadipur Khurdh, UP Jal Nigam, Fatehpur (UP) 212601	Testing of water sample	8,850.00
259.	Dr. V. P. Singh	Er. A. K. Dwivedi, Executive Engineer C.D.-I, PWD Allahabad	Sub-surface Investigation	8,20,100.00
260.	GIAN Co-Ordinator	GIAN Co-Ordinator, MNNIT, Allahabad	Vedio Conferencing Nov 19-23,2018	59,000.00
261.	Dr. N. R. Rawal	Mr. P. K. Agarwal, General Manager Office of The General Manager, Ganga pollution Control Unit, UP Jal Nigam, Prayagraj-211001	Testing of Sewage sample	1,13,280.00
262.	Dr. L. K. Mishra	M/s SYP Infraventures India Private Limited. S-77, Ganga Nagar Baduan Road, Bareilly , Uttar Pradesh, India Pin-243001	Load Test of Manhole Cover with Frame	17,700.00

263.	Dr. Gutam Ghosh	M/s Gupta Constructions Pvt. Ltd. House no. S-5/48 M, Ardali Bazar, Varanasi	Mix Design of M-25 Grade Concrete	64,900.00
264.	Dr. Gutam Ghosh	M/s Gupta Constructions Pvt. Ltd. House no. S-5/48 M, Ardali Bazar, Varanasi	Mix Design of M-25 Grade Concrete	64,900.00
265.	Prof. R. P. Tiwari	The Project Manager U.P. Rajkiya Nirman Nigam Ltd. Agra Unit-1, Agra	III Party Inspection Agra museum.	1,77,000.00
266.	Prof. R. P. Tiwari	The Project Manager U.P. Rajkiya Nirman Nigam Ltd. Mainpuri Unit, Firozabad-283203	III Party Inspection	1,77,000.00
267.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Mainpuri Unit, Firozabad-283203	III Party Inspection	1,77,000.00
268.	Dr. N. R. Rawal	Project Manager, HNB Engineers Pvt.Ltd, Ambedkar Vihar Colony Chowphataka, Prayagraj-211001	Testing of sewage sample	53,100.00
269.	Dr. Abhishek Kumar	M/s A.B. Infrabuild Limited 113 Khalasi lane kydganj Allahabad – 211003 (U.P.)	Total Thick nees, mass Metal Thickness Mass of Zine Coating	10,030.00
270.	Dr. Abhishek Kumar	M/s A.B. Infrabuild Limited, 113 Khalasi lane kydganj Allahabad – 211003 (U.P.)	Tensile Test	5,900.00
271.	Dr. Ashutosh Kumar	M/s Kusum Engineers & Debilers Pvt. LS-2/555, Center-F Jankipuram, Lucknow - 226021	Tensile Bend and Rebend Tst	18,880.00
272.	Prof R. P. Tiwari	Shri Ashish Tiwari, Member Secretary Uttar Pradesh Pollution Control Board TC-12 V, Vibhuti Khand Gomti Nagar, Lucknow-226010	Category-5	5,09,760.00
273.	Prof. Rakesh Kumar	The Project Manager, UPPCL, Unit-14, C-1015 Near Shekhar Hospital, Indira Nagar, Lucknow	III Party Inspection	5,31,000.00
274.	Prof. R. P. Tiwari	Shri Ashish Tiwari, Member Secretary Uttar Pradesh Pollution Control Board TC-12 V, Vibhuti Khand Gomti Nagar, Lucknow 226010	cheeking & Vetting of sruetural Design	1,47,500.00
275.	Dr. N. R. Rawal	Mr. Maple orgtech, India Put. Ltd, Unit House P-40, New Alipore KolKata-700053	Testing of water sample	44,250.00
276.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Gorakhpur Unit-1, Gorakhpur	III Party Inspection	1,77,000.00
277.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Gorakhpur Unit-1, Gorakhpur	III Party Inspection	1,77,000.00
278.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Gorakhpur Unit-1, Gorakhpur	Mix Design	88,500.00
279.	Dr. G. Ghosh	Mr. Rohit Khanna, Executive Engineer ADA Allahabad	Compressive Strength of C.C Cubes	7,080.00
280.	Dr. G. Ghosh	M/s Kapoor Construction Co. 22, Ashok Nagar, Allagabad	Mix Design of M-25 Grade of Conerete	64,900.00

281.	Dr. G. Ghosh	M/s Ram Dev Prasad and Sons 251, Sohbatiyabagh, Prayagraj	Mix Design of M-25 and 35 Grade of Concrete	1,53,400.00
282.	Dr. G. Ghosh	M/s Hombale Construction and Estcetes Private Limite Ground floor-2 BHK, House No.41, Senani Vihar Lucknow	Testing of Ceramic Vitrified Floor Tiles	19,470.00
283.	Dr. G. Ghosh	M/s Hombale Construction And Estcetes Private Limite Ground floor-2 BHK, House No.41, Senani Vihar Lucknow	Testing of Ceramic Glazed Wall Tiles	19,470.00
284.	Dr. G. Ghosh	M/s M.G. Contractors Pvt.Ltd. Allahabad	Mix Design of M-30 Grade Concrete	41,300.00
285.	Dr. G. Ghosh	M/s C. K. Construction 6th floor, Logix Techno Park, Plot No. 5, Tower B, 6th Floor, Sec-127, Noida-201304, U.P.	Mix Design of M-30 Grade Self Compacting Concrete	1,59,300.00
286.	Dr. V. P. Singh	Head of Department (Environment) Central Mine Planning and Design Inst Pewt Limited Regional Institute 6, Post Jayant, District Sigrauli Madhya Pradesh	Soil Testing for Slope Stability Shedy of all open Cast Mines of NCL Siggrali	7,96,500.00
287.	Prof. A. K. Sachan	M/s Satish Chandra Sachan, 279, E.W.S. Double Story, Barra, Kanpur	Design of 600 kl 16 m staging tank & 500 kl 18 m tank	65,000.00
288.	Prof. A. K. Sachan	M/s Jaiprakash Chaudhary, Contractor Siarapar, Dist- Basti	Design of 150 kl 16 m staging tank	14,000.00
289.	Prof. A. K. Sachan	M/s Shri Construction, 312, Shekhpara Colony, Vikas nagar Lucknow	700 kl OHT Design	35,000.00
290.	Prof. A. K. Sachan	M/s Mahmood Ahmad Haqiqat Pura (mau) Pin- 275101 (U.P.)	Design of 150 kl 17 m staging tank	14,000.00
291.	Prof. A. K. Sachan	M/s Sunil Kumar Gaur, U.P. Jal Nigam Turnkey-Kanpur Zone, Kanpur U.P.	Design of 125 kl 14/15 m staging tank	13,000.00
292.	Prof. A. K. Sachan	M/s Maa Shanti Construction, 93 E.W.S., Dabauli West, Kanpur-22	Design of 1050 kl 20 m staging tank	50,000.00
293.	Dr. G. Ghosh	M/s Kusum Engineers & Developers Pvt. Ltd. LS-2/555, Sector-F Jankipuram, Lucknow, U.P.	Compressive Strength of C.C. Cubes	5,900.00
294.	Dr. A. R. Paul	S. K. Tripathi Project Manager Office Project Manager, Unit-33 Construction and Design Services Uttar Pradesh Jal Nigam 263, Mumfordganj Allahabad,	Pressure Test	84,252.00
295.	Prof. R. P. Tiwari	The Apper Project Manager U.P. Rajkiya Nirman Nigam Ltd. Rajkiya Medical College Unit, Bahraich	III Party Inspection	1,77,000.00
296.	Prof. R. P. Tiwari	The Unit In-Charge, U.P. Rajkiya Nirman Nigam Ltd. Saifai Unit-1, Etawah Saifai	III Party Inspection	1,77,000.00
297.	Prof. R. P. Tiwari	The Unit In-Charge, U.P. Rajkiya Nirman Nigam Ltd. Saifai Unit-1, Etawah Saifai	III Party Inspection	1,77,000.00
298.	Prof. R. P. Tiwari	The Unit In-Charge, U.P. Rajkiya Nirman Nigam Ltd. PGI Unit-1, Lucknow- 226014	III Party Inspection	1,77,000.00

Motilal Nehru National Institute of Technology Allahabad [MNNIT Allahabad]

299.	Prof. R. P. Tiwari	The Unit In-Charge, U.P. Rajkiya Nirman Nigam Ltd, PGI Unit-1, Lucknow-226014	III Party Inspection	1,77,000.00
300.	Prof. R. P. Tiwari	The Unit In-Charge, U.P. Rajkiya Nirman Nigam Ltd. Saifai Unit-1, Etawah Saifai	III Party Inspection	1,18,000.00
301.	Prof. R. P. Tiwari	The Executive Engineer, Irrigation Construction Division, Mataila, Lalitpur	III Party Inspection	15,38,720.00
302.	Dr. V. P. Singh	Executive Engineer, U.P. Jal Vidyut Nigam Ltd. Rihand Colony civil Maintenance Division Turra, Sonebhadra	Site Inspection	2,47,800.00
303.	Prof. P. K mehta	M/s Grace Infrastructures 90c, New Laskar Line Bairahana, Prayagraj	Proof Checking of Rcc structural Design.	2,36,000.00
304.	Dr. V. P. Singh	M/s Dilip Buildcon Ltd. Mirzapur, U.P.	Testing	1,91,160.00
305.	Dr. Goutam Ghosh	M/s K.B Superbuild Pvt.Ltd. H.No.-2 Gali No.-3., Deenagarhi Hapur Road Ghaziabad, U.P. 201001	Mix Design of m25 Grade concrete	35,400.00
306.	Dr. Goutam Ghosh	M/s K.B. Superbuild Pvt. Ltd. H.No.-2 Gali No.-3., Deenagarhi Hapur Road Ghaziabad, U.P. 201001,	Mix Design of m25 Grade concrete	35,400.00
307.	Dr. Kumar Venkatesh	M/s S.U.N. Builders- 44 Anaaj mandi, Hapur Road Ghaziabad	Veeting of Design/ Draouhing of Reinforcet Earth Wall	35,400.00
308.	Dr. Kumar Venkatesh	M/s RS Consutructions, I-635, Govindpuram Ghaziabad	Veeting of Design/ Draouhing of Reinforcet Earth Wall	35,400.00
309.	Prof. Rakesh Kumar	The Unit In-Charge, U.P. Rajkiya Nirman Nigam Ltd. Saifai Unit-2, Etawah	Third Party of Building of district Etawah	94,400.00
310.	Dr. P.R Pal	The Unit In-Charge, U.P. Rajkiya Nirman Nigam Ltd.,Unit-13, Plot No.-4 Sector-,7 Gomti Nagar Extension, Lucknow, 226002	Inspection, and Quality Checking	94,400.00
311.	Dr. L.K. Mishra	Mr. Ashwin Dubey, Technical Services (U.P.) Dalmia Bharat Cement OCL India Limted 1st Floor, Sood House, S-20/51, GB Nepali Kothi, Varuna Bridge, Cantt., Varanasi, Uttar Pradesh-221002	Testing of Materials	8,260.00
312.	Prof. R. P. Tiwari	M/s IPMC Company, 17-18, Auri More, Bina Road Anapara, Sonebhadra	Inspection & Material Test	64,900.00
313.	Prof. A. K. Singh	Shri Purushottan Lal Choudhary Gm (T)-cum-Project Director Project Director, Project Implementation Unit 53. Basant Bihar, Naubasta Kanpur	Testing aum Consultancy	82,60,000.00
Total				6,33,43,750.00



Visit of Hon'ble Minister of State (MHRD) (12.06.2018)



4th International Yoga Day (21.06.2018)



Orientation Programme (27.07.2018)



Gender Sensitivity Programme (11.07.2018)



Rukhsat 2018



Rukhsat 2018



Independence Day (2018)



Independence Day (2018)



Plantation Drive (15.08.2018 to 14.09.2018)



Aviskar (26.09.2018 to 29.09.2018)



Aviskar (26.09.2018 to 29.09.2018)



Aviskar (26.09.2018 to 29.09.2018)



Gandhi Jayanti (02.10.2018)



Annual Athletic Meet (26.10.2018 to 28.10.2018)



Annual Athletic Meet (26.10.2018 to 28.10.2018)



Prize Distribution Ceremony (28.10.2018)



Vigilance Awareness Week (29.10.2018 to 03.11.2018)



Global Alumni Convention (16.11.2018 to 18.11.2018)



Global Alumni Convention (16.11.2018 to 18.11.2018)



15th Annual Convocation (15.12.2018)



15th Annual Convocation (15.12.2018)



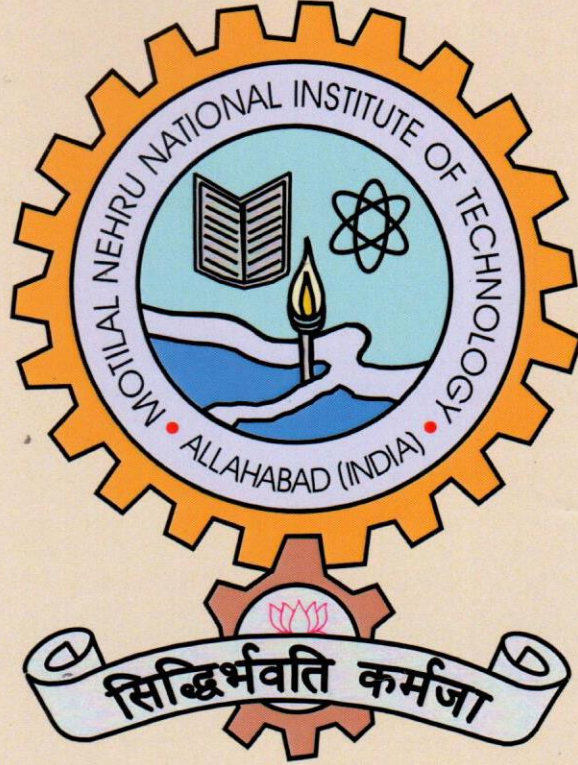
Josh (11.01.2019 to 18.01.2019)



Republic Day (2019)



Renaissance (09.03.2019 to 10.03.2019)



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद

प्रयागराज-211 004

भारत

MOTILAL NEHRU NATIONAL INSTITUTE OF TECHNOLOGY ALLAHABAD

Prayagraj - 211 004

India