

Registration form

TEQIP II
Sponsored Short Term Course
on
Bio-Inspired & Geospatial Techniques
(BIOGEOS)

February 27 - March 03, 2015

Personal Details:

1. Name (Mr./Ms./Dr.):
2. Designation:
3. Highest qualification:
4. Specialization:
5. Organization:
6. Department:
7. Date of Birth:
8. Registration Fee Category (A/B/C):
9. Address for Communication
- Pin:
- Phone: Fax No.
- Email:

Payment Details:

- Demand Draft No. Date.....
- Drawn on
- Amount (Rs)
- Signature of Applicant

CERTIFICATE

This is to certify that Mr./Ms./Dr./Prof.
.....
is a student/employee of our Institute/Organization and is permitted to attend the Short Term Course on "Bio-Inspired & Geospatial Techniques" to be held at MNNIT Allahabad during February 27-March 03, 2015.

Signature of Employer

(Signature of Head of the Institution/
Head of the Department with seal)

Organizing Committee

- Patron: Prof. P. Chakrabarti
Director, MNNIT, Allahabad
- Chairman: Prof. A. K. Sachan
Professor & Head, CED
- Convener: Prof. R.K. Srivastava, CED
- Coordinators: Dr. R. M. Singh
Associate Professor, CED
Dr. Varun Singh
Assistant Professor CED
- Co-Coordination: Dr. N.R.Rawal
Assistant Professor, CED
Er. Vijay Kumar
Assistant Professor, CED
- Treasurer: Dr. N.R.Rawal, CED

Important Dates

Last date of receipt of Application Feb. 18, 2015
Intimation of selection by E-mail: Feb. 20, 2015

Address For Correspondence

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MNNIT, Allahabad
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Dr. Varun Singh

Coordinator
Deptt. of Civil Engineering,
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Mob. No: +91-9473956924,
E-Mail: biogeos15@gmail.com

Resource Persons

Senior Faculty members and Experts from MNNIT Allahabad, IITs, NITs and other reputed Institutes will deliver lectures.

TEQIP II

Sponsored Short Term Course
on
Bio-Inspired & Geospatial Techniques
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February 27 - March 03, 2015

Patron
Prof. P. Chakrabarti
Director

Chairman
Prof. A.K. Sachan
Head, Department of Civil Engineering

Convener
Prof. R.K. Srivastava
Department of Civil Engineering

Coordinators
Dr. R. M. Singh
Associate Professor,
Department of Civil Engineering
&
Dr. Varun Singh
Assistant Professor,
Department of Civil Engineering



Organized by:
Department of Civil Engineering
Motilal Nehru National Institute of Technology Allahabad
Allahabad, 211004, India

About The Institute

The Institute was established as Motilal Nehru Regional Engineering College (R.E.C.) in the year 1961 as a joint effort of Government of India and Government of U.P. in accordance with the scheme of establishment of R.E.C. and was later upgraded as National Institute of Technology (NIT) with the status of Deemed University on June 26, 2002. Now, this Institute is known as Motilal Nehru National Institute of Technology (MNNIT) Allahabad.

The foundation stone of the Institute was laid by the first Prime Minister of India, Pt. Jawaharlal Nehru on the May 3, 1961 on a site spreading across 222 acres on the bank of the river Ganga. The main building of the Institute was inaugurated by another illustrious son of India, Prime Minister Sri Lal Bahadur Shastri on April 18, 1965.

The Institute has very good infrastructure with state-of-the-art facilities in all the departments for teaching and research. Institute offers 9 Nos. U.G. and 22 Nos. P.G. programmes besides MBA, MCA, M.Sc.in Mathematics and Scientific Computing, and Masters in Social Work. Doctoral programmes are offered in various disciplines of Technology, Science, Humanities and Management. It is one of the leading NITs across the Country. The students are extensively exposed to cross-cultural environment as candidates from other countries, like, Nepal, Sri Lanka, Bhutan, Bangladesh, Malaysia, Iran, Iraq, Thailand, Yemen, Palestine etc. also join this Institute for different disciplines of U.G. and P.G. programmes.

About The Department

The Department of Civil Engineering offers one Bachelor of Technology and four Master of Technology courses with specialization in Structural, Environmental, Geotechnical Engineering, and Transportation Engineering and Ph.D. Programme on regular basis. It also offers part-time Master of Technology course with

specialization in Structural Engineering, and Computer Aided Design in Civil Engineering depending upon the number of candidates. Further, the Department is a recognized QIP Centre for the post-graduate studies. The course curriculum is up-to-date, spanning disciplines that cover both traditional concepts and recent developments. A strong foundation is laid through courses on Structural Engineering, Geotechnical Engineering, Environmental Engineering, Transportation Engineering, Water Resources and Computer Applications. The theoretical courses are supplemented by practical courses through well-equipped laboratories.

About Allahabad

Allahabad city is situated on the confluence of the three most pious rivers namely Ganga, Yamuna and mythological Saraswati. The city is well connected with Railways, Roadways, and Airways. It is situated on Delhi-Howrah rail link and NH-2. The local transport is available in the form of Taxies, Buses, Auto - Rickshaws and Rickshaws.

Course Objective

Computation methods inspired by natural biological phenomena have emerged as natural choice for solving Engineering problems. Geospatial techniques have been widely used for natural resources management. The objective of this course is to familiarize the participants with basic concepts, the current practices and latest developments in Bio-Inspired computations and Geospatial techniques along with their applications.

Highlights & Course Content

- Evolutionary computations techniques like GA, ACO, and PCO etc.
- Artificial Neural Networks, Fuzzy Logic.
- Geo-spatial Techniques-Remote Sensing, GIS, GPS.
- Pattern Recognition, Change Detection and Classification.

- Demonstration of software applications of GA, ANN, Fuzzy Logic etc.

Course Material

Course material will be provided to the participants in CD-ROM

Boarding And Lodging

Boarding, lodging and travel expenses shall be borne by the participants. Limited shared accommodations may be available in the Executive Development Centre of the Institute on first come first served basis. Good Hotels are also available in Allahabad.

Venue

The course will be conducted in the Conference Room of the Department of Civil Engineering, MNNIT, Allahabad. The inaugural is scheduled at 10:00 AM on Feb. 27, 2015.

Eligibility

Faculty members from the AICTE recognized Academic Institutions/Universities Field Engineers and students pursuing or completed Bachelors Degree in Engineering or Sciences are eligible to apply.

Registration Fee

Registration Fee under three categories is given as:

- (A) Faculty from Academic Institutes: ₹ 1,500/-
- (B) Students: ₹ 1,000/-
- (C) Architects/Engineers/Professionals: ₹ 3,000/-

Registration fee includes Breakfast, working Lunch and Course Kit. Hard copy of filled and signed registration form duly forwarded by Director/Dean of the Institute/Organization/Head of the Department should be sent to the coordinators on or before **February 18, 2015** along with the fee as per the above mentioned category through Demand Draft in favour of "BIOGEOS-2014" payable at Allahabad.

It is advised to email scanned copy of the duly filled registration form to Coordinator(s) in advance.