SPONSORSHIP CERTIFICATE

Mr./Ms./Dr. ………………………., an employee of our college/ institute is sponsored to attend the AICTE sponsored SDP on Geoinformatics: Technology & Applications from July 7-19, 2008 at MNNIT Allahabad.

Signature of Sponsoring Authority
Office Seal

Name:
Designation:

PAYMENT DETAILS

DD No.: ……………….. dated: ……… Amount: .……..
Drawn at: ……………

ADDRESS FOR COMMUNICATION

Dr. R. D. Gupta
Course Coordinator
Department of Civil Engineering
Motilal Nehru National Institute of Technology
ALLAHABAD (U.P.)- 211004

Tel: 0532- 2271308 (O), 2271708 (R)
Mobile: +919838346268
e-mail: rdg@mnnit.ac.in, gupta_rd@rediffmail.com

OR
Course Director, Summer Schools
SNFCE, MNNIT- Allahabad- 211004

IMPORTANT DATES

- Last date for submission of application forms: Receipts of application: June 23rd, 2008
- Intimation about selection (On Institute web site: www.mnnit.ac.in): 30th June, 2008
- Confirmation from the participants (by e-mail to course coordinator): 2nd July, 2008

ELIGIBILITY

The candidate should have B.E./ B.Tech. in any branch of engineering. Preference will be given to the candidates with M.E./ M.Tech. Selection will be done by short listing the aspirants.

COURSE FEE

No course fee will be charged from the faculty members of AICTE recognized Engineering Colleges/ Institutions. However, they have to send a DD of Rs.200/- for registration which is fully refundable unless they fail to attend the course.

Professionals from industry are welcome to participate with payment of Rs. 7000/- for the courses. Boarding and lodging will have to be arranged by them. Alternatively, tailor made courses may be organized for them, on request.

All payments should be made through demand draft payable at Allahabad and drawn in favour of Director, MNNIT, Allahabad.

TA/ DA AND ACCOMMODATION

Eligible candidates would be provided TA limited to 3rd AC by shortest route for attending the programmes as per AICTE norms. Suitable arrangement will be made to accommodate all the participants at MNNIT Campus.

ALLAHABAD CITY

The city of Allahabad is situated at the confluence of three sacred rivers, the Ganga, the Yamuna and the invisible Saraswati. There are many places of interest in and around Allahabad both for historically oriented visitor as well as for those with more contemporary tourist interest, like Varanasi, Sarnath, Kaushambi which attract visitors from all over the world. Allahabad is directly connected by rail/ road/ air with other important towns in India. It is located at Delhi Howrah main train route.

AICTE/ MHRD Sponsored
Staff Development Programme
on
Geoinformatics: Technology & Applications

July 7 – 19, 2008

Patron:
Prof. (Dr.) Arun Baran Samaddar
Director

Chairman:
Prof. S. K. Duggal
Head, Civil Engineering Department

Course Coordinator:
Dr. R. D. Gupta
Assistant Professor, Civil Engineering & Coordinator, GIS Cell

Organised by
Department of Civil Engineering
Motilal Nehru National Institute of Technology
Allahabad (U.P.)- 211004, India
BACKGROUND
The tools of Geoinformatics, i.e., Geographical Information System (GIS), Remote Sensing and Global Positioning System (GPS) have not only evolved constantly in last few decades but have also emerged as significant interdisciplinary technologies, apart from achieving a matured and operational status in India and abroad. These modern technological tools are being increasingly used in a variety of application areas such as land use/land cover mapping, urban and regional planning, civil engineering, geography, environmental monitoring and management, agriculture, forestry, utility/facility mapping, natural resources inventorying and management, infrastructure development, etc.

There is an urgent need of technical manpower in the field of Geoinformatics who can prop up national programmes of high importance like National Natural Resource Management System, Urban Resource Information System, National Resource Information System, National Spatial Data Infrastructure, etc. to support national objectives of poverty reduction and sustainable development. In the present era of rapid technological advancement, faculty members of various technical institutions would have an edge if familiar with GIS/remote sensing/GPS as a technology and as an application tool for various diversified fields, including societal applications to improve the quality of life.

COURSE CONTENTS
- GIS: Basic concepts, topology & data models
- Design and organisation of geographic database
- Integration of multi-themed information
- Role of GIS as Decision Support System
- GIS for development of Spatial Data Infrastructure
- Remote Sensing: Introduction, Sensor & Orbital characteristics, Spectral reflectance curves
- Indian Remote Sensing Satellites: An Overview
- Digital classification of remotely sensing satellite images, Geo-referencing & image enhancement
- Remote sensing for Land use/land cover mapping
- GPS: Fundamentals, GPS techniques, GPS for surveying and navigation
- Geoinformatics for Natural resource management, Urban planning and infrastructure development, Micro level planning and rural development
- Environmental impact assessment and analysis using GIS and remote sensing
- GIS/RS/GPS applications for NNRMS, NSDI, NRIS, URIS and related case studies

The course contents will be covered through power point presentations, interactive sessions, group discussions, brain storming sessions, etc. Laboratory classes shall be conducted for getting hands-on training on GIS/image processing software.

COURSE MATERIAL
Lecture notes and reference material will be provided either in printed form/CD-ROM.

RESOURCE PERSONS
Faculty from MNNIT-Allahabad, guest resource persons from other premier institutions/research organisations like IITs, NITs, UPRSAC, IIRS will deliver lectures.

VENUE: MNNIT-Allahabad
MNNIT, Allahabad is a premiere technical institute with total commitment to quality and excellence in academic pursuits; and offers B. Tech. degrees in nine disciplines, Masters in twenty two disciplines of engineering, MCA, MMS degrees and doctoral programmes in all disciplines of study. The students from different countries such as Thailand, Sri Lanka, Nepal, Mauritius, Iran, Malaysia, Yemen, Syria, Bangladesh also join MNNIT for UG, PG and doctoral programmes. The Department of Civil Engineering offers PG programmes in four disciplines (regular & part time) and has well equipped laboratories.

GIS Cell at MNNIT Allahabad offers M. Tech. (GIS & Remote Sensing) programme as well as Institute fellowship for carrying out Ph.D. research work in the field of Geoinformatics.

APPLICATION FORM
AICTE/ MHRD Sponsored SDP on Geoinformatics: Technology & Applications
July 7 – 19, 2008

Name: .........................................................
Destination: ..............................................
Department: ..............................................
Institute/ Organization: ...................................
 ..................................................................................
Experience (in Years): .......................................
Address: ........................................................
 ..................................................................................
Tel. No.: ......................................................
Mobile No.: ..................................................
e-mail: ........................................................

Educational Background (from B.E./B.Tech.):
Degree Branch    Institute       Marks    Year

 ..................................................................................
 ..................................................................................
Areas of Research Interests:

Kindly register me for SDP on Geoinformatics: Technology & Applications to be held at MNNIT-Allahabad during July 7-19, 2008.

Place: ........................................
Date: ...........................................

Signature of Applicant

Interested candidates can pre-register by sending the filled application form by e-mail to course coordinator, if they anticipate delay in sending the form through proper channel.