

*Five Days Workshop  
On*  
**Application of Remote Sensing for  
Efficient Infrastructure Planning**

**REGISTRATION FORM**

Name: .....

Age: .....

Qualification: .....

Designation: .....

Name of the Institution: .....

.....

Department: .....

Address: .....

.....

Mobile Number: .....

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The information provided herewith is true to the best of my knowledge. I agree to abide by the rules and regulations governing this workshop.

**Workshop Fees:**

Internal Participant: INR 800

External Participant: INR 1500

**BANK ACCOUNT DETAILS:**

Acc. Name: Manav Rachna International University-  
Operational A/C

Bank Name: Punjab National Bank

Acc. No.: 8895002100000212

IFSC: PUNB0889500

GST No.: 06AADTM7279E1ZD

Send the scanned copy of registration form and payment receipt to [rameezut.fet@mriu.edu.in](mailto:rameezut.fet@mriu.edu.in) and [lazarusd.fet@mriu.edu.in](mailto:lazarusd.fet@mriu.edu.in)

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Venue : CG-29

**FACULTY OF ENGINEERING &  
TECHNOLOGY, MRIIRS  
SECTOR – 43, ARAVALLI HILLS, DELHI-  
SURAJKUND ROAD, FARIDABAD -121004  
(HARYANA), INDIA**



*Five Days Workshop  
On*

**Application of Remote Sensing  
for Efficient  
Infrastructure Planning**

**9.9.2019 - 13.9.2019**  
(01:30PM to 03:30 PM)



ORGANIZED BY  
**DEPARTMENT OF CIVIL ENGINEERING  
FACULTY OF ENGINEERING AND  
TECHNOLOGY  
MANAV RACHNA INTERNATIONAL  
INSTITUTE OF RESEARCH AND STUDIES  
(DEEMED TO BE UNIVERSITY)  
NAAC 'A' GRADE ACCREDITED**

# PREAMBLE

## MANAV RACHNA INTERNATIONAL INSTITUTE OF RESEARCH & STUDIES

Manav Rachna International Institute of Research and Studies, a NAAC accredited 'A' grade university, is a continuum of excellence from the Career Institute of Technology and Management (CITM) and was granted 'Deemed-to-be-University' Status under section 3 of the UGC Act 1956. Recently, the university has been awarded 5 Star QS rating for teaching, facilities & employability and an overall rating of 3 stars. It is a visible symbol of knowledge & experience providing high quality education in the fields of Engineering & Technology, Health & Applied Sciences, Management, Computer Architecture, Design and many more.



# ABOUT CE

## CIVIL ENGINEERING DEPARTMENT

Civil Engineering is considered to be the most versatile branch among all the engineering branches in the country. Being the oldest Engineering branch in the academic institutions in the world, it has a lot of diversity right from Geotechnical Engineering to Structural Engineering, Environmental to Hydraulics, Transportation to Hydrology, Planning to Construction, etc. A Civil Engineer plays a vital role in national development works like roads, bridges, tunnels, buildings, airports, railways, docks and harbor, dams, water works, water supply and sewage systems, etc. which are essential for the rapid growth of any country. For better awareness and interest of a student, continuous interaction with reputed companies is being organized at frequent intervals in the form of special technical lecture/ workshop/ site visit or exchange of technical knowledge etc.

## THEME OF WORKSHOP

Effective and meaningful planning and development are necessary to handle complex problems of resource allocation and decision-making. It involves the use of collective intelligence and foresight to chart direction and make progress in public activity relating to human environment and general welfare. Hence the need for a suitable information system is increasingly being felt in all planning and developmental activities, whether these are for urban or rural areas.

In India most urban settlements are characterized by shortfalls in housing and water supply, encroachments in fringe area, inadequate sewerage, traffic congestion, pollution, poverty and social unrest making urban governance a difficult task. The high rate of urban population growth is a cause of concern among India's urban and town planners for efficient urban planning. Therefore, there is an urgent need to adopt modern technology of remote sensing which includes both aerial as well as satellite based systems, this allow us to collect lot of physical data rather easily, with speed and on repetitive basis, and together with GIS helps us to analyze the data spatially, offering possibilities of generating various options (modeling), thereby optimizing the whole planning process. These information systems also offer interpretation of physical (spatial) data with other socio-economic data, and thereby provide an important linkage in the total planning process and making it more effective and meaningful.

**Resource persons**  
**Renowned Academicians and Experts**  
**from Corporate Sector**

## Program Contents

- Efficient infrastructure planning and development using GIS & Remote sensing
- Various field applications of GIS & Remote sensing
- Interpretation of physical (spatial) data
- How GIS & Remote sensing help us to analyze the data
- Site Visit and Hands on Training