

ABOUT MANIT BHOPAL

Maulana Azad National Institute of Technology (MANIT) Bhopal, formerly known as Maulana Azad College of Technology (MACT) Bhopal was established in the year 1960 and subsequently upgraded to National Institute of Technology (NIT) in 2002. The Civil Engineering Department is one of the oldest departments of the institute and was established in 1962. The initial journey was started with UG program in Civil Engineering followed by M. Tech programs in seven specializations. The department also offers Ph.D programs in different frontier areas of civil engineering research. The department is equipped with state of the art laboratory facilities and is involved in providing testing, consultancy and research services in various areas of civil engineering. The institute is located in the heart of Bhopal City (the capital of Madhya Pradesh). Bhopal is well known worldwide as the city of lakes. It is well connected to various parts of the country by road, rail and air. The Institute is located at a distance of about 8 km from Bhopal railway station and 20 km from Raja Bhoj Airport.

ABOUT THE DEPARTMENT

The Department of Civil Engineering is one of the oldest department of the Institute started in 1960. It offers B.Tech (Civil Engineering) degree and 7 M.Tech degree and Ph.D program. The department has 31 highly qualified and dedicated faculty who strives to produce competent professionals who are abreast with the latest technology and are equipped with enterprising skills necessary for a designer and also for a site engineer.



Open For Registration!

June 25th-July 10th 2022

WHO CAN ATTEND

The course is open to motivate PG and Ph.D level students, who are having a strong willingness to get excellence in their scientific and engineering research pursuits. Only 25 participants will be selected as per the scheme norms. Preference shall be given to students from TierII/Tier-III institutes as per the norms of Accelerate Vigyan "Karyshala" scheme

HOW TO APPLY

Interested participants can apply through following Google form;

<https://forms.gle/ZxAyF4MqdcH4aix3A>

Applications will be shortlisted based on academic and research credentials. The shortlisted candidates will be intimated through email. There is no registration fee, along with free accommodation, food will be provided during the workshop. TA may be admissible as per the SERB norms and rules.

WORKSHOP COORDINATORS

Dr. Jyoti Sarup
Dr. M. K. Choudhary
Dr. Rutuja M. Chavan



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www.manit.ac.in



UNDER
KARYSHALA Scheme
A SERB Initiative



HIGH-END WORKSHOP ON "ADVANCED APPLICATION OF HYPER SPECTRAL AND MICROWAVE REMOTE SENSING"

(AAHMRS-2022)

JULY 25-31, 2022

Funded by

Science and Engineering Research Board
(SERB), Department of Science and
Technology,
Government of India,
Under Accelerate Vigyan Scheme



ORGANISED BY

DEPARTMENT OF CIVIL ENGINEERING
MAULANA AZAD NATIONAL
INSTITUTE OF TECHNOLOGY BHOPAL
(MANIT BHOPAL)



Department of Science and Technology (DST)

DST

ABOUT THE PROGRAM

The characteristics of an object can be determined using reflected or emitted electro-magnetic radiation, from the object. That is, "each object has a unique and different characteristics of reflection or emission if the type of deject or the environmental condition is different. "Remote sensing is a technology to identify and understand the object or the environmental condition through the uniqueness of the reflection or emission. It can use optical range, Infra-red, Microwave or radio waves.

Hyperspectral remote sensing is the science of acquiring digital imagery of earth materials in many narrow contiguous spectral bands. Hyperspectral sensors or imaging spectrometers measure earth materials and produce complete spectral signature with no wavelength omissions. Such instruments are flown aboard space and air-based platforms. Handheld versions also exist and are used for accuracy assessment missions and small scale investigations.

OBJECTIVES OF WORKSHOP

- ✓ To understand the basic scientific principles of hyperspectral and microwave remote sensing techniques.
- ✓ To analyze hyperspectral and microwave remote sensing data.
- ✓ To obtain knowledge of digital image processing software.
- ✓ To apply hyperspectral and microwave remote sensing techniques to solve various problems.

TENTATIVE RESOURCE PERSONS

- Dr. Y. S. Rao, IIT Bombay
- Dr. S.K. Ghosh, IIT Roorkee
- Dr. S. K. Katiyar, MANIT Bhopal
- Dr. Alok Choudhary, MPCOST Bhopal
- Dr. S. K. Goyal, MAPIT Bhopal
- Dr. Sadhana Jain, ISRO RRSC Nagpur
- Dr. T. R. Nayak, NCA Indore
- Dr. Jyoti Sarup, MANIT Bhopal
- Dr. Surabhi Mehrotra, MANIT Bhopal
- Dr. R. K. Jaiswal, NIH Bhopal
- Dr. Unmesh Khati, IIT Indore
- Dr. Rutuja Chavan, MANIT Bhopal
- Dr. S. Goswami, MPCOST Bhopal



REGISTER NOW >

IMPORTANT DATES

- Registration Opens**★
June 25, 2022
- Last Date for Application**
July 10, 2022
- Display of Shortlisted Candidates**
July 13, 2022
- Workshop Date**
July 25-31, 2022

ADDRESS FOR CORRESPONDENCE

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PARTICIPATION CERTIFICATE

Dr. / Mr. / Ms. / Mrs.

is a student of our institute and his / her application is hereby nominated. The applicant will be permitted to attend the Karyashala (a high-end workshop) on "Advanced Application of Hyperspectral and Microwave Remote Sensing (AAHMRS-2022)" through physical mode in Department of Civil Engineering at MANIT Bhopal during 25th-31st July 2022, if selected.

Our institute is (tick one):

- CFTI
- State Govt. Funded Institute
- Other Institutions

Date:

Signature of Authority

Designation

Official Seal