ABOUT

The "Maulana Azad College of Engineering & Technology", (MACET) was started in the year 1987 under the Millat Education Society. This was the first technical self-financed minority institution in the entire northern India.

The college was initially started in the Mariam Building at Anisabad, Patna, donated by (Late) Ms. Begum Aziza Imam. It has got recognition from All India Council of Technical Education (AICTE), New Delhi in the year 1994 wide AICTE File No.720-73-209/RC/94 for running Under Graduate B.Tech. Courses in Engineering & Technology Program. In the year 2000, the college was shifted at Neora in the sprawling campus spread over an area of approx. 18 acres. Since then, it is running successfully four years B.Tech as well as three years Diploma Courses in Engineering & Technology Program.

VISION

- To foster scientific and technical temperament among the under-privilege section of society particularly among the minorities, taking inspiration from Holy Book Quran, "Read: Thy Lord is the most bounteous (Quran 30: 96:3)".
- Inculcating in students a respect for fellow human beings and responsibility towards the society.

MISSION

- To impart innovative and interactive learning process to target multifaceted personality development.
- To integrate spiritual and moral values with education and to develop human potential to its ability.
- To prepare students from diverse backgrounds to have aptitude for research and spirit of professionalism.

CHIEF PATRON

Prof. (Dr.) Asim Kumar
Director, MACET, Patna.

CONVENOR

Prof. (Dr.) Md. Masood Ahmad
Professor & Head Department of Civil Engg. And Dean Academic, MACET, Patna.

WORKSHOP ORGANIZERS

Dr. Mohd Khalid
Mr. Md Ehraz Akhtar
Asst. Professor, Department of Civil Engg., MACET, Patna.

Email: siddiquikhalidced@gmail.com
ehrazakhtar93@gmail.com

Mob: 9548139496
7550173254

TOPICS TO COVER

- Coordinate System, GIS Data
- GIS Terminology
- ArcMap Interface
- Geoprocessing
- Working with Shapefiles and Raster
- Data Acquisition
- GOI online portals for GIS data
- Exporting Google Earth Data to ArcMap
- Mapping with real world data
- Preparing a basic map

THREE DAYS NATIONAL WORKSHOP

Maulana Azad College Of Engineering & Technology
Affiliated to Bihar Engineering University, Govt. of Bihar
Approved by AICTE, New Delhi, Govt. of India

FUNDAMENTALS OF GIS AND GEOSPATIAL MAPPING

ArcGIS

"GIS: The Power of Location"

2nd March to 4th March 2024

Organized by-
Department of Civil Engineering
Maulana Azad College of Engineering & Technology, Neora, PATNA- 801113.

ABOUT WORKSHOP

A geographic information system (GIS) is a system that creates, manages, analyzes, and maps all types of data. GIS connects data to a map, integrating location data with all types of descriptive information. This provides a foundation for mapping and analysis that is used in science and almost every industry. GIS helps users to understand patterns, relationships, and geographic context. The benefits include improved communication and efficiency as well as better management and decision making.

There is GIS software, a computer program designed to support the use of a geographic information system. It provides the ability to create, store, manage, query, analyze, and visualize geographic data—data representing phenomena for which location is important. The GIS software industry encompasses a broad range of commercial and open-source products that offer some or all of these capabilities within various information technology architectures. ArcGIS is one such software.

Geospatial mapping is a broad term encompassing all the operations involved in creating maps that utilize geospatial data. It involves a series of operations leading to the visualization of spatial objects on a map. Geospatial mapping can be described as a spatial visualization technique that assists in creating customized maps tailored to specific needs. The goal of geospatial mapping is to display objects with geographical coordinates within a geographical context, presenting a model of the real world on a map. Various techniques, solutions, and Geographic Information Systems (GIS) software can be employed to analyze available geospatial data and geographical and terrestrial databases.

OBJECTIVE OF WORKSHOP

- To apprise the participants of the relevance and importance of GIS and Remote Sensing.
- To enable the participants to apply the knowledge gathered for further dissemination and the undertaking of UG/PG projects.
- To build confidence levels in the participants and apply the acquired knowledge for engaging in research projects.
- To bridge the gap between theory and practice in the field of GIS among practicing GIS professionals.

The targeted group for this training program includes land use planners, surveyors, agricultural professionals, natural disaster mitigators, and faculty members teaching subjects related to GIS and its applications.

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TIME & DURATION

No. of Days & Time	**3 (2.3.2024 to 4.3.2024)**
Inauguration	2.3.2024 (9 AM)
First Session	9:30 AM to 12:30 PM
Lunch Break	12:30 PM to 1:30 PM
Second Session	1:30 PM to 5:00 PM
Wrap Up/ Conclusion	4.3.2024 (4 PM onwards)

❖ For All Faculty members and students of various Discipline.

VENUE

SEMINAR HALL-2,
Seminar Hall Building,
Maulana Azad College of Engg. & Technology
Gorhna, Neoraganj, Neora, Patna – 801113.

SPOKESPERSON

Mr. Nadeem Ahmad
Research Scholar (PMRF)
Department of Civil Engineering,
Jamia Millia Islamia, New Delhi.

APPLICANT FORM

Name - _____

Designation - _____

Department - _____

Email Id - _____

Phone No. - _____

Address - _____

Application Mode- offline/online

Online form.
https://forms.gle/B9zEedzpYXXgJkfa9