



Maulana Azad National Institute of Technology Bhopal

Self-Sponsored

HYBRID MODE WORKSHOP

On

“Artificial Intelligence and Deep Learning for Brain-Computer Interface”

26th – 30th Oct, 2026

Brain-Computer Interface (BCI)

Chief Patron

Dr. Karunesh Kumar Shukla,
Director, MANIT Bhopal

Patron

Dr. Anupama Sharma,
Dean (ID & IR), MANIT Bhopal

Organized by

Department of Computer Science & Engineering
&
Centre for Artificial Intelligence
Maulana Azad National Institute of Technology
Bhopal - 462003 (Madhya Pradesh)

Convener

Dr. R.K Pateriya (CSE)
Dr. Rajesh Wadhvani (CAI)

Coordinators

Dr. Mitul Kumar Ahirwal (CSE)
Dr. Akash Sinha (CSE)
Dr. Vikram Garg (CSE)



WORKSHOP HIGHLIGHTS

- ◆ Basics of signal and image processing concepts & biomedical databases.
- ◆ EEG signal classification.
- ◆ Models of Deep Learning.
- ◆ Wearable sensors/ hardware for BCI.
- ◆ Project writing and submission, and technical paper writing.



RESOURCE PERSONS (Tentative External Experts)

- 1 **Dr. N D Londhe**
(Prof. NIT Raipur)
- 2 **Dr. Anil Kumar**
(Aso. Prof. IIIT Jabalpur)
- 3 **Dr. Sudalaimani C**
(Associate Director (R&D),
CDAC Thiruvananthapuram)



IMPORTANT DATES



Last date of registration:
15th Oct 2026



Notification about
selection: By email.

Registration Details for Participants

The participants in the course will be faculty & Ph.D Scholars from Technical institutes. The Registration fee as following:

Participants	Fee (Rs.)
Student (UG/PG/Ph.D.)	500/-
Faculty Members	2,000/-
Industry Persons	2,000/-

Account details for Online payment of fee:

Acc. Name: Director MANIT

Acc. No.: 10020150107

IFSC code: SBIN0001608

Branch code: 001608



There will be no registration fees for MANIT students.

Link and QR for Registration: <https://forms.gle/qcWMonjobgZcNSeM9>



TOPICS TO BE COVERED



Signal & Image
Processing
Concepts



Biomedical
Databases



EEG Signal
Classification



Models of
Deep Learning
(CNN, RNN, LSTM,
Autoencoder)



Wearable Sensors/
Hardware
for BCI



Project Writing &
Technical Paper
Writing



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<https://sites.google.com/view/mitulkumarahirwal/bci-lab>