

MALAVIYA NATIONAL INSTITUTE OF TECHNOLOGY



25/05/2026

to

25/07/2026

8th Summer Internship Program–2026



Organized by:
Robotics & Machine Analytics (RAMAN) Lab
Department of Electrical Engineering
Malaviya National Institute of Technology Jaipur 302017, Rajasthan, India
www.mnit.ac.in, www.ramanlab.co.in

About MNIT

Malaviya National Institute of Technology (MNIT) Jaipur is one of the NITs established by Ministry of Human Resource Development, Government of India. The Institute, earlier known as MREC, was established in 1963 as a joint venture of the state and central Governments. Later in 2002, the college was given the status of National Institute of Technology and on August 15, 2007, proclaimed Institute of National Importance through Act of Parliament. MNIT campus spreads over 325 acres of lush green area in the prime location of Jaipur city. At present, in addition to research, consultancy and developmental activities, the Institute offers UG and PG (M. Tech./M.Sc. & Ph.D.) level courses to about 5000 students in almost all leading fields of engineering, technology, management and sciences.



About Department of EE

The Electrical Engineering Department is one of the oldest departments of the institute which was established in the year 1963. At present, the department offers undergraduate courses in Electrical Engineering along with postgraduate courses in Power Systems, Power Electronics and drives, and Power Systems Management. The department has undertaken several research projects/schemes with financial assistance from AICTE, DST, and MHRD, including international collaborative research projects.

About Department of AIDE

The Department of Artificial Intelligence and Data Engineering (AIDE) at Malaviya National Institute of Technology (MNIT) was established recently in the year 2023. The department, with the Joint faculty of different disciplines, promotes academic and research in AI, Data engineering and related technology to equip students with the knowledge and skills to thrive in this rapidly evolving landscape. The Department presently offers an academic program at the Undergraduate level - B.Tech. in AIDE with an intake of forty students. The department will soon offer Postgraduate, Doctoral, and other cutting-edge programs that combine AI principles with data engineering practices, preparing graduates to address real- world challenges.

Patron

Prof. N P Padhy
Director, MNIT Jaipur

Convener

Prof. Nikhil Gupta
Professor & Head
Department of EE, MNIT Jaipur

Prof. Dinesh Gopalani

Professor & Head
Department of AIDE, MNIT Jaipur

Coordinator

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Course Contents

1. Advanced Python Programming
2. LaTeX for Academic Article Writing
3. Beamer for Academic Presentation
4. How to get article published in reputed journals?
5. Tools for research: Excel, Minitab, Draw.io, COMSOL, MATLAB, Mendeley, Notion, data visualization and analysis, medical image visualization and analysis.
6. Experiment Design, Testing and Performance Analysis.

Project Domains

1. Time series signal processing for a health-care problem.
2. Image processing in neuroscience
3. Dynamic learning in sequential data.
4. Adaptive learning of time—series data with missing context.
5. Vision language action models for robotic control
6. AI techniques for diabetic foot ulcer
7. AI techniques in the study of animal behaviour analysis
8. AI techniques in modelling physical phenomenon
9. Dynamic learning integration for model parameter optimization.
10. Modelling movement dynamics of human.
11. Data reconstruction techniques in a health-care problem.

About RAMAN Lab

RAMAN Lab was established in September 2014 by Prof. Rajesh Kumar in the Department of Electrical Engineering at Malaviya National Institute of Technology (MNIT) Jaipur, Jaipur, Rajasthan, India. The lab focuses on applying Computational Intelligent techniques, in various interdisciplinary research areas, including control of Robotics and Automation, Biomedical Signal and Image Processing, Bioinformatics, Healthcare, Energy Management, and Electric Vehicles.

About Summer Internship

The summer internship offered by RAMAN is structured to encourage collaborative research on the topics listed in our program. Through this initiative, motivated students and faculty members can work closely with RAMAN scholars to explore meaningful research problems and develop publishable outcomes. Participants joining the Summer Internship Program will be invited to contribute ideas, experiments, and analysis within the proposed research themes.

- ◆ **Exclusive Benefit for SIP Interns** – Applicants selected for the Summer Internship Program (SIP) will enjoy **free access to the Summer School**, at no additional cost.
- ◆ **Fully Funded Publications** – Any conference paper produced during the internship, the conference registration fees will be **completely funded by RAMAN LAB**.
- ◆ **Collaborative Research Experience** – Work on cutting-edge research while working closely with **leading RAMAN scholars**.

Important Dates

Last date of registration	23 rd May, 2026
Confirmation of selection	24 th May, 2026
Internship start date	25 th May, 2026



Scan for Online Registration Form

Registration Fees

UG Students	Rs. 25,000/-
PG students/PhD	Rs. 27,000/-
Faculty	Rs. 30,000/-
Industrial Employee	Rs. 30,000/-

Note: 18% GST is included in the registration fees.

30 % off in the Registration fees for MNIT Jaipur students.

UG Students RS 17500/-, and for PG/PhD Rs 18900/-

Payment Mode

NEFT/IMPS:

Name: Registrar (Sponsored Research) MNIT

Account No.: 676801700388

IFSC CODE: ICIC0006768 (ICICI BANK, MNIT)

Registration Form Details

After fee submission, the applicant must register themselves by submitting details on [Google Form Link](#)

Further details of the internship and instructions for filling the form may be found on [Raman Lab Website](#).

All registration forms must be received by 24 May, 2026. Registration fee is non-refundable.

General Information

Accommodation and travelling expenses are to be borne by the participants. Limited accommodation on actual charges may be available at MNIT Hostels. A request for hostel accommodation will need to be made in advance. The participant will not be paid any TA/DA.

Address for Correspondence

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