



National Institute of Technology Manipur – India 795004

— in association with —

Department of Artificial Intelligence & Data Science
Jyothi Engineering College (Autonomous), Thrissur, Kerala – 679531



Jyothi
Engineering College
(AUTONOMOUS)
THRISSUR, KERALA, INDIA

FIVE-DAY HYBRID FACULTY DEVELOPMENT PROGRAMME ON

AI & ML Based Healthcare Research

Tools, Trends & Challenges in Intelligent Medical Systems

21st – 26th May 2026

| 5 Days | Hybrid Mode |

CHIEF PATRONS

Prof. DVLN Somayajulu
Director, NIT Manipur

Msgr. Jose Konikkara
Manager, JEC

Fr. David Nettikkadan
Executive Manager, JEC

CHAIRPERSONS

Dr. Yambem Jina Chanu
Assoc. Prof. & Head, CSE, NIT Manipur

Dr. P. Sojan Lal
Principal, JEC

Mr. Shine P. Xavier
Convener — HoD (AD), JEC

COORDINATORS

Dr. Ujjwal Biswas
CSE, NIT Manipur

Dr. Anoop V.
Dept. of AD, JEC

Dr. Sandeep C. S.
Dept. of AD, JEC

ABOUT NIT MANIPUR

National Institute of Technology Manipur, established in 2010, is an Institute of National Importance under the Ministry of Education, Government of India. Located on a 341.5-acre campus in Langol, Imphal, NIT Manipur offers B.Tech, M.Tech, M.Sc., and Ph.D. programmes across engineering, sciences, and humanities, fostering academic excellence, research, and innovation in the Northeast.

DEPARTMENT OF CSE, NIT MANIPUR

The Department of Computer Science and Engineering, established in 2010, offers B.Tech, M.Tech, and Ph.D. programmes with a strong focus on research and emerging technologies including AI, ML, and intelligent systems. The department maintains an excellent teaching-research environment with qualified faculty and an industry-aligned curriculum.

ABOUT JEC

Jyothi Engineering College (Autonomous), established in 2002 under the Trichur Educational Trust, is a leading institution in Kerala, affiliated with APJ Abdul Kalam Technological University and accredited with NAAC Grade 'A'. The college offers eight UG programmes, four PG MTech programmes, and PhD programmes, with 2128 students and 158 well-qualified faculty members.

DEPARTMENT OF AI & DATA SCIENCE, JEC

Established in 2020 and affiliated with APJ Abdul Kalam Technological University, the department combines strong Computer Science fundamentals with advanced AI and Data Science concepts. With experienced faculty, modern labs, a research-driven environment, and active industry collaboration, it prepares students with both core computing knowledge and specialized AI and Data Science skills for successful careers.

VISION- DEPARTMENT OF AI & DATA SCIENCE, JEC

Creating ethical leaders in the domain of Artificial Intelligence and Data Science through effectual teaching and learning processes to develop emerging technology solutions for the benefit of industry and society, with a focus on holistic learning and excellence.

MISSION- DEPARTMENT OF AI & DATA SCIENCE, JEC

- Strengthening basic competencies in the domains of Artificial Intelligence and Data Science.
- Providing high-quality, value-based technical education and developing technology professionals with creative ideas and compelling leadership abilities.
- Using logical thinking to create and develop cutting-edge products in collaboration with industry stakeholders to meet global expectations.
- Enabling graduates to adapt to new technologies via strong fundamentals and lifetime learning.

CREATING TECHNOLOGY LEADERS OF TOMORROW

ABOUT THE PROGRAMME

A five-day hybrid programme (21–26 May 2026 exploring the fundamentals of Artificial Intelligence (AI) and Machine Learning (ML) in healthcare. Industry experts and academics will deliver both fundamental and advanced concepts in AI/ML, healthcare data processing, analysis, and prediction.

Designed for faculty, research scholars, and UG/PG students, the programme combines theoretical depth with hands-on Python sessions to build intelligent healthcare solutions.

LEARNING OUTCOMES

- AI, ML & Deep Learning based healthcare systems.
- Applications & research trends in advanced AI/ML systems.
- Potential research problems in AI, ML & DL.
- Decision-making systems using AI/ML/DL in healthcare.
- Hands-on ML & DL in healthcare using Python.
- Translating theory into real-world healthcare solutions.

KEYNOTE SPEAKERS

Prof. DVLN Somayajulu — Director, NIT Manipur

Prof. Prahlada Rao BB — NIT Manipur

RESOURCE PERSON	AFFILIATION	TOPIC
Dr. Anil Kumar Birru	Dept. of ME, NIT Manipur	<i>Intelligent Computer-Based Technologies in Dentistry</i>
Dr. Khelchadra Thongam	Dept. of CSE, NIT Manipur	<i>DL and Intelligent Applications in Healthcare</i>
Dr. Ujjwal Biswas	Dept. of CSE, NIT Manipur	<i>Quantum-ML & Gen-AI in Preliminary Disease Diagnosing</i>
Dr. M. Dennis Singh	Dept. of CSE, NIT Manipur	<i>Transformer-Based Automated Grading of Diabetic Retinopathy</i>
Mr. Jithin K. C.	Jyothi Engineering College	<i>AI-ML in Intelligent Healthcare Systems: Tools, Trends and Robotic Applications</i>
Dr. Om Prakash Singh	Dept. of CSE, IIIT Bhagalpur	<i>Application of Deep Learning Models in Healthcare</i>
Dr. Sajitha A. S.	Jyothi Engineering College, Thrissur	<i>The Future of Healthcare, Wearables, AI and Remote Patient Monitoring</i>
Dr. Seenia Francis	CDAC, Thiruvananthapuram	<i>From U-Net to Foundation Models, Evolution of Medical Image Segmentation.</i>

REGISTRATION

EXTERNAL PARTICIPANTS

₹ 250 — Faculty Members / Industry Participants/ PG / PhD Scholars from AICTE /UGC Approved Institutions.

NIT MANIPUR / JEC, FACULTY MEMBERS

₹ 100

Registration Link: <https://forms.gle/rQPcPCVzmBrptEHD7>

UPI Payment ID: lintasijo007-2@oksbi

UPI No: 9061166507

Last Date: 17th May 2026



Scan to Register

WHO CAN PARTICIPATE?

- PG Students
- PhD Scholars
- Faculty Members
- Industry Professionals
- All India & Abroad

NIT MANIPUR — COORDINATOR

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JEC — COORDINATORS

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★ Every Participant will receive an e-certificate upon successful completion of the programme. ★