

About GVP

Gayatri Vidya Parishad (GVP) is a premier educational society established in 1988 in Visakhapatnam, Andhra Pradesh, by a group of distinguished academicians, industrialists, and philanthropists. It is best known for offering high-quality technical education, research opportunities, and strong placement support.

About Department of CSE(AI&ML)

The Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning) offers specialized B.Tech programs focused on creating intelligent systems, covering AI, ML, data science, and deep learning. It bridges core computing principles with advanced, industry-ready skills in neural networks, robotics, and automation to prepare students for roles like AI engineers and data scientists.

B.Tech in CSE (AI&ML) provides budding engineers with a spectacular array of courses in the allied areas of Artificial Intelligence & Machine Learning dedicated to frontiers in the field of Artificial Intelligence and Machine Learning (AI&ML) with a foundation in Computer Science and Engineering.

About Department of General Medicine

The Department of General Medicine at the Gayatri Vidya Parishad Institute of Healthcare and Medical Technology (GVPIHCMT) in Visakhapatnam is a key clinical department with speciality and super speciality teaching hospital. Established in 2016 and affiliated with Dr. NTR University of Health Sciences, the department provides both undergraduate (MBBS) training and postgraduate (MD) specialization in General Medicine.

About Two-Day National Seminar

This Two-Day National Seminar on AI in Healthcare & Research is mainly planned and organized for bridging the gap between theoretical technology and clinical application. It fosters interdisciplinary collaboration, addresses ethical, regulatory, and data privacy challenges, and showcases AI's role in diagnostics, drug discovery, and personalized care, ultimately aiming to improve patient outcomes and build a future-ready, digital healthcare ecosystem.

Key Highlights

- **Knowledge Exchange & Interdisciplinary Collaboration:** Brings together AI experts, healthcare professionals, researchers, and students to foster networking, share research, and bridge gaps between technical and medical domains.
- **Technological Advancements in Diagnostics & Treatment:** Highlights AI applications in medical imaging (retinal scans), early disease prediction, drug discovery, and robotic surgeries.
- **Addressing Challenges:** Discusses critical issues like ethical concerns, data privacy, regulatory, infrastructure gaps, and bias in AI algorithms.
- **Enhancing Future Healthcare:** Focuses on AI-powered virtual assistants, predictive care, and transforming healthcare workflows for better efficiency.
- **Skill Development and Training:** Hands-on technical sessions on applications of generative AI in Healthcare for young professionals, fostering innovation in healthcare solutions.



Two-Day National Seminar on Artificial Intelligence in Healthcare & Research

Date : 23rd & 24th March 2026

Venue : GVP CDPGC(A), Rushikonda & GVPIHCMT, Marikavalasa Visakhapatnam

Jointly Organized by

Department of CSE(AI&ML)
Gayatri Vidya Parishad College for Degree and PG Courses(A)
Visakhapatnam

&
Department of General Medicine
Gayatri Vidya Parishad Institute of Health Care and Medical Technology
Visakhapatnam

Program Schedule

Day 1: 23-03-2026

Venue: GVPCDPGC(A), Rushikonda

10.00am- 11.30am

Inaugural Session

11.45am - 1.00pm

Session I:

Foundations of AI in Medicine

- What is Artificial Intelligence, Machine Learning, and Deep Learning?
- Difference between AI tools, Automation, and Decision Support Systems
- Myths vs Reality of AI in Medicine

1.00pm-2.00 pm

Lunch Break

2.00pm-3.30pm

Session: 2 :

**Clinical Applications
Diagnostics**

- AI in Radiology (X-ray, CT, MRI interpretation)
- AI in Pathology (Digital pathology & slide analysis)
- AI-based ECG/EEG interpretation
- AI in Ophthalmology (Diabetic Retinopathy Screening)

Predictive & Preventive Medicine

- Early detection of Sepsis, Stroke, and Cardiac Events
- AI-based Risk Scoring in ICU
- Predictive analytics in Public Health

Therapeutics & Procedures

- Robotic Surgery & AI assistance

3.45pm-4.45 pm

Session 3:

Medical Education & Research

- AI tools for Medical Teaching and Assessment
- AI in Question Paper Generation & Evaluation
- Literature Review using AI
- Writing Research Papers with AI Assistance
- Detecting Plagiarism and Academic Integrity

Day 2 : 24-03-2026

**Venue : GVPIHCMT,
Marikavalasa Visakhapatnam**

10.00am- 11.30am

Session 4:

Ethics, Legal & Governance

- Data Privacy & Confidentiality
- Bias in AI Algorithms
- Medico-Legal Responsibility: Who is Liable?
- Regulatory Frameworks (India & Global)

11.45am- 1.00pm

Session 5:

Hospital Administration & Workflow

- AI in Electronic Health Records (EHR) automation
- Appointment Scheduling & Patient Flow Optimization
- AI Chatbots for Patient Queries
- Revenue Cycle & Billing Automation

1.00pm-2.00 pm

Lunch Break

2.00pm-3.30 pm

Session 6:

Hands-On / Demonstration Topics

- Live Demo of Clinical AI Tools
- Prompt Engineering for Doctors
- Using AI for Case Summaries & Discharge Notes
- Building Simple Clinical Decision Aids without Coding

3.45pm-4.45pm

Valedictory Session

List of Resource Persons

- 1) Dr.V.Murali Krishna
- 2) Dr. Meduri Ramakrishna
- 3) Dr. A.S.Veeramani Kartheek
- 4) Dr.P.Vijay Kumar
- 5) Dr.A.Ramesh
- 6) Dr.A.Rangarao
- 7) Dr.D.Lalitha Bhaskari
- 8) Sri.K.Bapuji
- 9) Sri. Kuppili Muralidhar
- 10) Dr.A.Rangarao
- 11) Dr.V.Dharma rao
- 12) Dr.Ravi Saripalle
- 13) Dr.Y.Anuradha
- 14) Dr.G.Hindhumathi
- 15) Dr.Nadiminti Venkata Ramana Murty
- 16) Dr.D.S.S.N.Raju

Conveners

1) Dr.V.Dharma Rao, MD
Professor & HoD
Department of General Medicine
GVPIHCMT, Marikavalasa
Visakhapatnam

2) Dr.Nadiminti Venkata Ramana Murty
Professor & HoD
Department of CSE(AI&ML)
GVPCDPGC(A), Rushikonda
Visakhapatnam

Co-Conveners

3) Dr.C.Raghavendra, MD
Professor
Department of Respiratory Medicine
GVPIHCMT, Marikavalasa
Visakhapatnam

4) Dr.D.S.S.N.Raju
Assistant Professor
Department of CSE(AI&ML)
GVPCDPGC(A), Rushikonda
Visakhapatnam