About VNRVJIET

VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET), Hyderabad, is a leading institution committed to excellence in engineering education, research, innovation, and industry collaboration. The institute promotes interdisciplinary research and adoption of emerging technologies to enhance academic and professional capabilities. With its strong focus on AI, Data Science, advanced computing, and emerging technologies, VNRVJIET provides an ideal academic environment for faculty development and research-oriented knowledge exchange.

Highlights and Accomplishments

- QS I-GAUGE "DIAMOND" Rating (only institution in Telangana State)
- NAAC Accredited with A++ Grade (CGPA 3.68/4.0)
- ISO 21001:2018 Certified
- Recognized as "College with Potential for Excellence (CPE)" by UGC
- NIRF 150–200 Rank Band (2025)
- Host Institute for MSME Incubator (BI)
- AICTE "Margadarshan" & UGC "Paramarsh" Mentor Institute
- In-house Incubator "VJ-Hub" with 12 Incubatees

Register by clicking below link:
https://forms.gle/S9SKoPdR3GRgHbA98

About CSE – AIML & IoT and R&AI

The Department CSE-Artificial Intelligence & Machine Learning (AIML) , CSE-Internet of Things (IoT) and Robotics & Artificial Intelligence (R&AI) stands as a dynamic hub of academic innovation, advancing research and education in cutting-edge domains. The department offers B.Tech programs in CSE (AIML) , CSE (IoT) and R&AI with current intakes of 180 ,60 and 60 students respectively, along with Minor Degree Programs in AIML and IoT open to students from various disciplines. It also offers an M.Tech program in Artificial intelligence(AI) and Artificial Intelligence & Data Science (AI & DS) with an intake of 18 and 18 respectively. Emphasizing an interdisciplinary approach and strong collaborations with industry and research organizations, the department is dedicated to cultivating professionals equipped to design and develop AI-driven, intelligent, and smart systems that effectively address real-world challenges.

Key Features of the Department

The department features highly qualified faculty with Ph.D. qualifications and certifications from premier institutions such as IIIT Hyderabad and NPTEL. Students gain hands-on experience through state-of-the-art laboratories and Centers of Excellence in AI, ML, Deep Learning, NLP, Computer Vision, IoT, and Robotics. Student clubs, industry internships, research initiatives, and a curriculum aligned with NEP 2020 and industry requirements foster innovation and practical skills. These initiatives prepare graduates for successful careers in emerging technologies and research.

IEEE Computational Intelligence Society | Internet Society | BLACKBUCK EDUCATION

ONE WEEK ONLINE NATIONAL LEVEL PROFESSIONAL DEVELOPMENT PROGRAMME

Advanced AI and Quantum Computing for Research, Education and Data-Driven Innovation

30th Nov - 5th Dec 2026



Organized by

Department of CSE - AIML & IoT, R&AI

TAMASOMA JYOTIRGAMAYA
VIGNANA JYOTHI

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About FDP

This Faculty Development Programme is designed to equip faculty members, researchers, and academic professionals with emerging skills in Generative AI, Quantum Computing, Prompt Engineering, Agentic AI, Multi-Agent Systems, and AI-assisted Research Writing. The programme emphasizes practical exposure through hands-on training, research article discussions, demonstrations, and application-oriented activities. The FDP focuses on how these emerging technologies can be integrated into engineering research, healthcare applications, data science, teaching-learning practices, literature analysis, and scholarly publication.

Topics to be Covered

- Generative AI for health care and academic research
- Quantum Computing : Fundamentals,Algorithms and applications
- Advance Prompt Engineering for Research and Education
- Agentic AI and multi-agent systems for Research
- Quantum Intelligence for Data Science and Industry Applications
- AI-Assisted Research & High-Impact Journal Writing

Course Outcomes

- Understand Generative AI, Quantum Computing, and Agentic AI
- Develop hands-on skills in emerging AI and Quantum Computing tools and platforms.
- Apply GenAI and Prompt Engineering techniques to teaching, research, etc.
- Develop AI-assisted and Agentic AI workflows for literature review and research productivity.
- Explore AI-assisted research writing while ensuring originality, integrity, and publication ethics.

Who Can Attend

Faculty members, research scholars, and industry professionals from CSE, ECE, Robotics, and related domains.

MODE OF CONDUCT:
ONLINE (Microsoft Teams)

Registration

Payment Link :

https://rzp.io/rzp/SPZ9s5Io

Register by clicking below link:

https://forms.gle/S9SKoPdR3GRgHbA98

Organizing Committee

Chief Patron : Sri. D. Suresh Babu, President, Vignana Jyothi
Co-Patron : Sri. Kode Durga Prasad, IPS (Retd.), General Secretary, Vignana Jyothi
Chairman : Dr. B. Chennakesava Rao, Principal
Convener : Dr. Y. Sagar, HoD, CSE(AIML&IoT), R&AI
Coordinators : Dr. N. Sandhya, Head RDC
Dr. A. Harshavardhan
Co-Coordinator : Dr. Ch. Suresh

Resource Persons

Sessions will be delivered by distinguished speakers from reputed academic and industrial organizations.

Contact Us

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Advanced AI and Quantum Computing for Research, Education and Data-Driven Innovation

DAY-WISE Schedule		
DATE	**EFFECTIVE TITLE**	**TOPICS TO BE COVERED**
30-Nov-2026 (Monday)	Generative AI for Healthcare & Academic Research	Introduction to Generative AI in Medical and Health Technologies, GenAI applications in healthcare, GenAI for Research & Academic Writing, Article Discussion, Hands-on Training / Labs
01-Dec-2026 (Tuesday)	Quantum Computing: Fundamentals, Algorithms & Applications	Fundamentals of Quantum Computing, Quantum Computing concepts and principles, Quantum Algorithms & Applications, Article Discussion, Hands-on Training / Labs
02-Dec-2026 (Wednesday)	Advanced Prompt Engineering for Research & Education	Prompt Engineering – Core Techniques, Advanced Prompt Engineering, Effective prompt design for academic and technical tasks, Article Discussion, Hands-on Training / Labs
03-Dec-2026 (Thursday)	Agentic AI & Multi-Agent Systems for Research	Introduction to Agentic AI Systems, Multi-Agent Systems, Agentic AI for research workflows, Article Discussion, Hands-on Training / Labs
04-Dec-2026 (Friday)	Quantum Intelligence for Data Science & Industry Applications	Quantum Computing in Data Science, Applications of quantum intelligence in data-driven problems, Industry exposure / Industrial Visit
05-Dec-2026 (Saturday)	AI-Assisted Research & High-Impact Journal Writing	Research Article Writing for High-Impact Journals, AI-assisted research and academic writing, Article Summary, MCQ & Reflection Journal, Valedictory Session