

ABOUT VCET

Vidyavardhini means a body committed to enhancement of knowledge. Vidyavardhini was established as a registered society in 1970 by late Padmashri H. G. alias Bhausaheb Vartak for the noble cause of education in rural areas.

Vidyavardhini's College of Engineering and Technology, Vasai is located on the sprawling campus of Vidyavardhini, spread over an area of 12.27 acres. It is approved by AICTE and affiliated to the University of Mumbai for the Bachelor's Degree in Mechanical Engineering, Electronics and Telecommunication, Computer Engineering, Information Technology, Civil Engineering, Computer Science & Engineering (Data Science) and Artificial Intelligence & Data Science Engineering. It also offers Master's Program in Structural Engineering and Management (MMS).



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PATRONS

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Shri. Vikas Vartak, President, Vidyavardhini

Patron

Shri. Arun Vartak, Chairman, Vidyavardhini

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Shri. Bhausaheb Mohol, Secretary, Vidyavardhini

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CONVENER

Dr. Rakesh Himte

Principal VCET

CO-CONVENERS

Dr. Megha Trivedi

Associate Professor & HOD, Computer Engineering

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Vidyavardhini's College of Engineering & Technology

(Approved by AICTE and affiliated to the University of Mumbai, NBA & NAAC Accredited)



AICTE Training And Learning (ATAL)

Sponsored Faculty Development Program on

GenAI & Agentic AI: The Future of Intelligent Systems

15 to 20 June, 2025

Organized by

**Department of Computer Engineering
&
Department of Artificial Intelligence &
Data Science**

ABOUT DEPARTMENT OF COMPUTER ENGG.

The Department of Computer Engineering was established in the year 1999 with the objective of imparting knowledge and developing practical skills in various areas of computer engineering. The Department offers an undergraduate programme in Computer Engineering with a current intake of 180 seats. The Department was accredited by the National Board of Accreditation (NBA) from 2012–2015, reaccredited from July 2022 to June 2025, and is permanently affiliated to the University of Mumbai.

The Department has expert and well-trained human resources and state-of-the-art laboratories to impart domain-specific knowledge in the areas of programming, database management, operating systems, web development, networking, artificial intelligence, machine learning, deep learning, etc.

ABOUT DEPARTMENT OF AI & DS

The Department of Artificial Intelligence and Data Science was established in 2020 to provide quality education in the emerging fields of Artificial Intelligence and Data Science. The department offers 120 seats for the Undergraduate program (BE).

The Department aims to create an environment for the development and fostering of proficient artificial intelligence and data science engineers who embody professionalism and civic responsibility. The Department has young, dynamic, highly qualified, and experienced faculty members, is equipped with the most modern software, and has state-of-the-art facilities for facilitating a coherent teaching-learning process.

AIM

This FDP aims to provide a comprehensive understanding of Generative AI (GenAI) and Agentic AI, equipping faculty members with fundamental knowledge, hands-on experience, and ethical awareness in AI-driven intelligent systems. The program aligns with AICTE's objectives of fostering digital transformation in education and promoting the integration of AI-based tools into pedagogy, supporting the implementation of NEP 2020.

COURSE OBJECTIVES

- Develop a strong foundation in Generative AI and Agentic AI, understanding principles, models, and applications.
- Gain hands-on experience with advanced AI techniques, including Transformers, GANs, VAEs, and LLMs for real-world use.
- Implement Autonomous Agents and Multi-Agent Systems for intelligent automation and decision-making.
- Enhance AI efficiency through prompt engineering, fine-tuning, and optimization strategies.
- Address ethical concerns such as deepfake detection, bias mitigation, and regulatory compliance for responsible AI deployment.

OUTCOMES

- Apply advanced prompt engineering techniques to optimize AI-generated outputs effectively.
- Deploy, fine-tune, and optimize LLMs for diverse real-world applications.
- Develop and integrate multi-agent systems for AI-driven decision-making and automation.
- Analyze and address ethical concerns related to AI bias, deepfakes, and regulatory compliance.
- Integrate AI-based teaching tools into academic settings, enhancing digital pedagogy and learning outcomes.

TOPICS


- Introduction to Generative AI and Agentic AI
- Technologies in Generative AI (Transformers, GAN,)
- Understanding Generative AI: Foundations, Models
- Fine-tuning Applications of LLM
- Understanding Autonomous Agents and Multi-Agent Systems
- Advanced Prompt Engineering and AI Prompt Optimization
- Integrating LLM with Agentic AI for Intelligent Decision Making
- Application of Gen AI and Agentic AI
- AI Ethics, DeepFake, Bias Mitigation and Regulatory Compliance

RESOURCE PERSONS

Eminent Speakers from Industry and Academia

EVENT DETAILS

 **Dates:** 15th June 2025 to 20th June 2025

 **Time:** 9:30 AM – 5:30 PM

 **Mode:** Offline

 **Venue:** VCET, Vasai

 [Google Maps Location](#)

- **Fee:** Free

- **Register via AICTE ATAL Portal:**
<https://www.aicte-india.org/atal>

- **Application Number:** 1743167748

- **Last Date to Register:** 8th June 2025

- **Confirmation of Registration:** 14th June 2025

For Eligibility, Attendance, Test & Evaluation Criteria, Please refer to :

<https://facilities.aicte-india.org/Atal/FAQ%20Participants.pdf>