



**Bansilal Ramnath Agarwal Charitable Trust's
Vishwakarma Institute of Technology, Pune
Department of Computer Science and Engineering (AI & ML)**

Report on Industry Visit

Academic Year: 2025–2026, Sem-I

Date & Time: 16 October 2025, 2:00 PM – 6:00 PM

Location: MITCON Consultancy & Engineering Services Ltd., Pune

Faculty Visited :

- Prof. (Dr.) Premanand P. Ghadekar
- Dr. Amruta Amune
- Prof. Ravishankar Bhaganagare
- Prof. Ashlesha Sawant

Industry Representatives:

Officials and technical experts from MITCON Consultancy & Engineering Services Ltd.

- Mr. Swapnil Pawar , Asst. Vice President - MITCON Skills
- Mr. Sagar Bhor, Business Development Manager.
- Mr. Hrushikesh Walvekar, Chief Executive Officer ,White Arrow Cybersecurity(OPC) Private Limited

Organizers and Support: CSI Club VIT Pune

Participating Students: 150 Students

About the Organization

MITCON Consultancy & Engineering Services Ltd. is a premier consultancy organization headquartered in Pune with more than **40 years of expertise** in engineering consultancy, sustainability solutions, business advisory, and skill development.

The organization operates across several major domains including:

- Energy Transition and Climate Change
- Biofuel and Green Chemistry
- Environmental Engineering
- Business Advisory Services
- Skill Development and Training

MITCON is an **ISO 9001:2015 certified and NSE-listed company**, providing professional services for sustainable industrial development and advanced technology solutions.

Overview of the Visit

An Industrial Visit was organized by the Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning) to MITCON Consultancy & Engineering Services Ltd., Pune on 16 October 2025. The visit aimed to provide students with exposure to real-world industrial applications of Artificial Intelligence, Machine Learning, and Data Analytics in consultancy and sustainability sectors.

During the visit, students interacted with industry experts and learned about emerging technologies and their practical applications in environmental sustainability and smart infrastructure. The session included expert talks on the role of AI-driven analytics, sustainability solutions, and energy optimization techniques. Students were also introduced to the practical aspects of consultancy-based project management and data-driven decision-making models used in industry. Students also had the opportunity to visit MITCON's unique Biochar Plant, which demonstrates sustainable waste management through the conversion of agricultural residue and organic waste into valuable by-products such as biochar, syngas, and wood vinegar. The plant has a production capacity of 5 tonnes per day and serves as a live example of green engineering practices. Experts explained how such innovations contribute to environmental conservation, carbon reduction, and soil health improvement, highlighting the growing need for eco-friendly technological solutions in modern industry.

The visit also included an interactive **question-and-answer session**, allowing students to discuss career opportunities, emerging technologies, and interdisciplinary domains such as **AI, sustainability engineering, and cybersecurity**. Overall, the visit successfully bridged the gap between academic learning and real-world industry practices.



Objectives

- To expose students to real-world applications of Artificial Intelligence and Machine Learning.
- To bridge the gap between theoretical knowledge and practical implementation in consultancy and engineering sectors.
- To understand the role of AI-driven analytics in sustainability and environmental monitoring.
- To provide insights into industrial workflows and professional practices.

- To encourage innovation and industry–academia collaboration.

Key Discussion Topics

- AI and Data Analytics in environmental consultancy and energy management.
- Data-driven decision-making models used in industry.
- Automation tools and analytics platforms used in consultancy services.
- Sustainable technologies such as Biochar production and green engineering practices.
- Cybersecurity challenges in modern industries.

Learning Outcomes

Students were able to:

- Understand AI and ML applications in industrial consultancy.
- Identify emerging sustainability technologies.
- Analyze data-driven decision systems used in industry.
- Gain exposure to professional work culture.
- Recognize interdisciplinary domains such as AI, cybersecurity, and sustainability engineering.





Outcome of Industry Visit

Students are able to:

- Understand applications of AI and ML in consultancy projects (PO1, PS01).
- Analyze industry problems and explore technological solutions (PO2, PO3, PS02).
- Observe investigative approaches used in consultancy projects (PO4).
- Use modern tools and analytics platforms (PO5, PS02).
- Understand sustainability practices and responsible engineering (PO7).
- Appreciate professional ethics and workplace conduct (PO8).
- Improve communication through interaction with experts (PO9, PO10).
- Develop motivation for lifelong learning (PO12).

PO 1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO 9	PO10	PO 11	PO 12	PSO 1	PSO 2	PSO 3
3	3	2	3	3	-	3	2	3	3	-	3	3	3	2

Co-Coordinator

Dr. Amruta Amune

Coordinator & Head

Prof. (Dr.) Premanand P. Ghadekar

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