



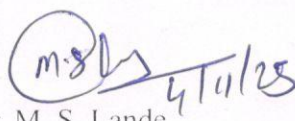
Vidya Pratishthan's
Centre of Excellence in Digital Manufacturing & Robotic Automation

Monthly Report October -2025

The following activities are conducted/ongoing in the month of October-2025 at CoEDMRA.

Sr.	Date	Activity	Remark
1	Octoer month	Revenue generated through selling of students project kits/ gift items etc	Rs. 45,275 collected in the month of oct.
2	1/10/2025	Visit of Babasaheb Phadtare College of Engineering and Technology	A separate report is attached.
3	3/10/2025	Visit of Orchid collage , Solapur	A separate report is attached.
4	4/10/2025	Visit Report – Interaction with Pawar Saheb and Management Team	A separate report is attached.
5	7/10/2025	Visit Report – Dr. Bharat Shinde Sir and Delegation from Gujarat at COEDMRA	A separate report is attached.
6	11/10/2025	Visit Report – Meeting with BIDA President Mr. Jamdar Sir	A separate report is attached.
7	12/10/2025	Visit of Aluminis batch 2019	A separate report is attached.
8	28/10/2025	Visit Report- Panthera graphite technologies Pvt ltd Kurkumbh	A separate report is attached.


Mrs. P. D. Kale,
Head
VP's CoEDMRA


Dr. M. S. Lande
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VPKBIET Baramati - 413133


Principal
VPKBIET, Baramati



Vidya Pratishthan's
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Visit Report

Industry: Babasaheb Phadtare College of Engineering and Technology

Delegation: 30 Students and 3 Faculty Members

Visitor: Delegation from Babasaheb Phadtare College of Engineering and Technology

Date of Visit: 1st October 2025

Place of Visit: Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA)

Purpose of Visit:

The purpose of the visit was to provide students and faculty members with exposure to the latest technologies in digital manufacturing, robotics, and automation, and to bridge the gap between academic learning and industrial practices.

Details of Visit:

- The delegation was welcomed at COEDMRA and given an introduction to the Centre's vision, mission, and activities.
- Students were oriented on digital manufacturing processes, industrial automation systems, and robotics applications.
- Live demonstrations of PLC programming, SCADA systems, robotic automation, and IoT-based applications were showcased.
- Faculty members interacted with COEDMRA experts to discuss possibilities of collaboration, training modules, and project-based learning opportunities.
- The visit emphasized the role of automation and Industry 4.0 technologies in shaping future industries.

Outcome:

- Students gained practical exposure and a deeper understanding of automation and robotics beyond classroom theory.
- The visit enhanced awareness of career opportunities in automation, robotics, and digital manufacturing.
- Faculty members identified potential areas for academic collaboration, industrial training, and research projects with COEDMRA.
- The visit was highly beneficial in inspiring students towards innovation and applied engineering practices.

Acknowledgment:

We extend our sincere gratitude to the management and faculty of Babasaheb Phadtare College of Engineering and Technology for organizing this visit. Special thanks to the COEDMRA coordinators and experts for their guidance, demonstrations, and valuable interaction with students and faculty.



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Industry: Orchid College, Solapur

Department: Artificial Intelligence and Data Science (AIDS)

Delegation: 45 Students and 3 Faculty Members

Date of Visit: 3rd October 2025

Place of Visit: Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA), VPKBIET, Baramati

Visitor: Delegation from Orchid College, Solapur

1. Purpose of Visit:

The main objective of the visit was to provide students with hands-on exposure to the latest technologies in **Digital Manufacturing, Robotics, and Industrial Automation**. The visit aimed to bridge the gap between theoretical knowledge and practical industrial applications, enhancing students' understanding of automation tools, robotics systems, and digital manufacturing processes.

2. Details of Visit:

The delegation of 45 students and 3 faculty members was welcomed at the Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA).

- The visit began with an introduction session about the objectives and activities of the COEDMRA center.
- Demonstrations were given on **PLC-based automation systems, industrial robotics, 3D printing, and digital twin technology**.
- Faculty members and experts explained ongoing **student and industry projects**, highlighting their applications in smart manufacturing and Industry 4.0.
- An interactive Q&A session allowed students to clarify their doubts and understand career prospects in automation and robotics.

3. Outcomes:

- Students gained a practical understanding of **industrial automation and digital manufacturing technologies**.
- The visit inspired them to pursue innovative projects and research in robotics and AI-integrated automation systems.

- Faculty members appreciated the infrastructure and discussed possibilities for **future collaboration and joint training programs**.

4. Acknowledgement:

We sincerely thank the **delegation from Orchid College, Solapur (AIDS Department)** for visiting COEDMRA. Special thanks to the faculty members for their coordination and active participation. Appreciation is also extended to the COEDMRA team for organizing informative demonstrations and ensuring the success of the visit.



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Visit Report – Interaction with Pawar Saheb and Management Team

Date: 4th October 2025

Place: VIIT Conference Hall

To: Pawar Saheb and Management Team

From: Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA)

Faculty Members Present:

- Dr. S. B. Lande (Principal)
- Prof. P. D. Kale (Center Head)
- Mr. Mandar More

Subject: Presentation and Discussion on 3D Printed Products and Components Developed at COEDMRA

Details of Visit: A team from the Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA) interacted with Pawar Saheb and the management team at VIIT Conference Hall. The visit aimed to showcase various 3D printed products and components designed and developed in the COEDMRA center.

The team explained the design process, materials used, and potential industrial applications of the 3D printed models. The interaction also included a discussion on future collaboration opportunities for research, innovation, and student development in advanced manufacturing technologies.

Outcomes:

- Appreciation received for the innovative 3D printed products developed by COEDMRA.
- Discussion initiated on expanding project-based learning and collaborative activities.
- Positive feedback and encouragement for further development in Digital Manufacturing.

Acknowledgement:

We sincerely thank Pawar Saheb and the management team for their valuable time, encouragement, and support during the interaction. Their guidance and suggestions will help in enhancing the research and innovation capabilities of the COEDMRA center.

Photos:



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Vidya Pratishthan's
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Visit Report

Visit Report – Dr. Bharat Shinde Sir and Delegation from Gujarat at COEDMRA

Date: 7th October 2025

Visitor: Dr. Bharat Shinde Sir (Principal, VP's Arts, Commerce & Science College), Dr. Kashid Sir (Vice Principal), and Delegation from Gujarat

Date of Visit: 11th September 2025

Place of Visit: Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA)

Purpose of Visit: To explore the advanced facilities, ongoing training programs, and collaborative opportunities in the field of digital manufacturing and automation.

Report:

Dr. Bharat Shinde Sir, along with Dr. Kashid Sir and a delegation from Gujarat, visited the Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA) on 11th September 2025. The visit aimed to understand the innovative practices and hands-on training modules conducted under COEDMRA for engineering and diploma students.

During the visit, the guests were given a detailed demonstration of various labs, including the Industrial Automation Lab, Robotics Lab, and IIoT setup. The COEDMRA team explained the use of advanced technologies such as PLCs, SCADA systems, robotic arms, and sensor-based automation in industrial applications.

The delegation appreciated the infrastructure and initiatives undertaken by COEDMRA in promoting skill-based learning and bridging the gap between academia and industry. They expressed interest in future collaboration and knowledge exchange programs to enhance technical education and research in automation and digital manufacturing.

Outcome:

The visit fostered positive academic relations and opened the scope for collaborative training, workshops, and research initiatives between COEDMRA and other institutions.

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Photos:





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Visit Report – Meeting with BIDA President Mr. Jamdar Sir

Date: 11th October 2025

To: Mr. Dhananjay Jamdar, President, Baramati Industrial Development Association (BIDA)

Place: BIDA Office, Baramati

From: Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA)

Faculty Members Present:

- Dr. M. S. Lande (HOD, Mechanical Engineering)
- Prof. P. D. Kale (Centre Head, COEDMRA)
- Mr. Mandar More
- Mr. S. Kadhane

Subject:

Presentation of 3D printed products, components, and CNC/VMC machined parts developed at COEDMRA and discussion regarding potential MoU collaboration.

Details of Visit:

The delegation from COEDMRA visited the office of BIDA President Mr. Dhananjay Jamdar to showcase the innovative products and components developed in the Digital Manufacturing and Robotics Center. The team demonstrated various 3D printed items, CNC and VMC machined parts, and discussed the technological capabilities of the center.

Further discussions were held regarding collaboration opportunities between BIDA and COEDMRA, focusing on industry-academia partnerships, skill development initiatives, and potential Memorandum of Understanding (MoU) for future projects and technical training programs.

Outcomes:

- Successful presentation of 3D printing, CNC, and VMC products developed at COEDMRA.
- Positive response from Mr. Jamdar regarding technical innovations and training capabilities.
- Agreement to explore an MoU for collaborative industrial and academic initiatives.

- Discussion on possible internship and project opportunities for students with BIDA member industries.

Acknowledgement:

We express our sincere gratitude to **Mr. Dhananjay Jamdar**, President of BIDA, for his valuable time, guidance, and encouragement toward strengthening industry-institute collaboration.



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Visit Report – COEDMRA Alumni Interaction (Batch 2019)

Date of Visit: 12th October 2025

Place of Visit: Centre of Excellence in Digital Manufacturing, Robotics, and Automation

Visitors: Alumni 2019 Batch, VPKBIET

Number of Alumni: 15

Participants: TY Students

Report:

A group of 15 alumni from the 2019 batch of VPKBIET visited the Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA) on 12th October 2025. The visit aimed to share industrial experiences, discuss current trends in automation, and motivate TY students. Alumni interacted with the students and faculty, explored ongoing projects, and appreciated the advancements and facilities at the center. The session provided valuable insights into career opportunities and real-world applications of automation technologies.

Outcome:

The visit strengthened alumni-student connections and inspired TY students to pursue innovation and skill development in the field of digital manufacturing and robotics.



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Visit Report

Date: 28th October 2025

To: Mr. Devaraj Jachak Sir
Ms. Sunaina Shrivastav Mam (CEO)

Place: Panthera Graphite Technologies Pvt. Ltd., Kurkumbh

From: Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA), VPKBIET, Baramati

Faculty Members Present:

- Dr. M. S. Lande Mam
- Prof. P. D. Kale Mam
- Prof. M. A. More Sir
- Prof. S. C. Mahadik Sir
- Prof. S. H. Kumbhar Sir

Subject:

Industrial Visit for Course Planning and Collaboration Discussion with Panthera Graphite Technologies Pvt. Ltd.

Details of Visit:

The visit to Panthera Graphite Technologies Pvt. Ltd., Kurkumbh, was conducted on 28th October 2025 with the objective of planning a one-month training course in collaboration with the industry. Discussions included course scheduling, topic planning, assessment methods, and the role of Mechanical Engineers in training.

Additionally, the scope for Electrical Engineering involvement was explored, and an introductory session was conducted with Bhagwat Geeta Sir to discuss future collaboration and student engagement.

Outcomes:

- Preliminary plan for a one-month industrial training course was formulated.
- Discussion on assessment strategies post-training.
- Positive response toward collaboration for student sessions under the guidance of Bhagwat Geeta Sir.
- Identified potential expansion opportunities in the Electrical Engineering domain for future programs.

Acknowledgement:

The faculty team extends sincere thanks to Mr. Devaraj Jachak Sir, Ms. Sunaina Shrivastav Ma'am, and the entire Panthera Graphite Technologies Pvt. Ltd. team for their warm hospitality and valuable discussions that will help in enhancing academic-industrial collaboration.



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