



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

Monthly Report April -2026

The following activities are conducted/ongoing in the month of April-2026 at CoEDMRA.

Sr.	Date	Activity	Remark
1	March month	Revenue generated through selling of students project kits/ gift items etc	Rs. 52000 /- was collected for the month of April.
2	6/4/2026	Visit Report-KBP, Rayat Satara	A separate report is attached.
3	15/4/2026	Visit Report-Dipak Karandikar sir	A separate report is attached.
4	22/4/2026	Visit Report-Yashoda Technical Campus, Satara	A separate report is attached.
5	23/4/2026	Visit Report-Dr. Deepak Shikarpur, Mr. Kiran Vaidya	A separate report is attached.
6	24/4/2026	Visit Report-Shree Siddheshwar Women's College of Engineering, Solapur	A separate report is attached.
7	24/4/2026	Visit Report-Col. Abhishek Sir	A separate report is attached.
8	30/4/2026	Report- AI Explorers Boot Camp	A separate report is attached.

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

Dr. M. S. Lande
Head of Department

Principal, VPKBIET, Baramati



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

Date of Visit: 6 April 2026

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

1. Visitor Details

Visitor Group: Karmveer Bhaurao Patil College of Engineering, Satara

Total Visitors: 7 Faculty Members

Faculty Members: Dr. Shabina Modi and Team

2. Purpose of Visit

The purpose of the visit was to gain knowledge about advanced technologies in digital manufacturing, robotics, and industrial automation. The faculty members aimed to understand practical applications and explore opportunities for academic collaboration.

3. Visit Overview

The visit included a detailed tour of various sections of COEDMRA such as the Simulation Lab, Mechatronics Lab, Robotics Lab, and Advanced Manufacturing Lab. Demonstrations of CNC, VMC machines, industrial robots, and automation systems were conducted. The visitors were introduced to different software tools and hands-on training setups available at the center.

4. Outcome

The visit enhanced the understanding of modern industrial practices among the faculty members. It provided insights into integrating practical training with academic curriculum and encouraged the adoption of advanced technologies in teaching.

5. Conclusion

The visit was highly informative and beneficial. It strengthened the connection between academic learning and industry practices. The faculty members expressed their appreciation for the well-organized session and valuable knowledge shared during the visit.

Photos



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

Dr. M. S. Lande
Head of Department
Dept. of Mechanical Engg



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

Date of Visit: 15 April 2026

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

1. Visitor Details

Hon. Dipak Karandikar Sir (Former President, Maratha Chamber of Commerce) visited the centre along with 3–4 distinguished dignitaries.

2. Purpose of Visit

The purpose of the visit was to observe the advanced facilities at COEDMRA and to understand the ongoing training programs conducted for the employee training batch in the domains of industrial automation, robotics, and digital manufacturing.

3. Visit Overview

During the visit, the dignitaries were given a detailed tour of the laboratories and infrastructure. They observed live demonstrations of industrial automation systems, robotic applications, and PLC-based setups.

The visitors also interacted with the ongoing **training batch of employees**, where they gained insights into the practical training methodology, hands-on sessions, and industry-oriented curriculum being delivered at the centre. The training sessions focus on enhancing technical skills aligned with current industrial requirements.

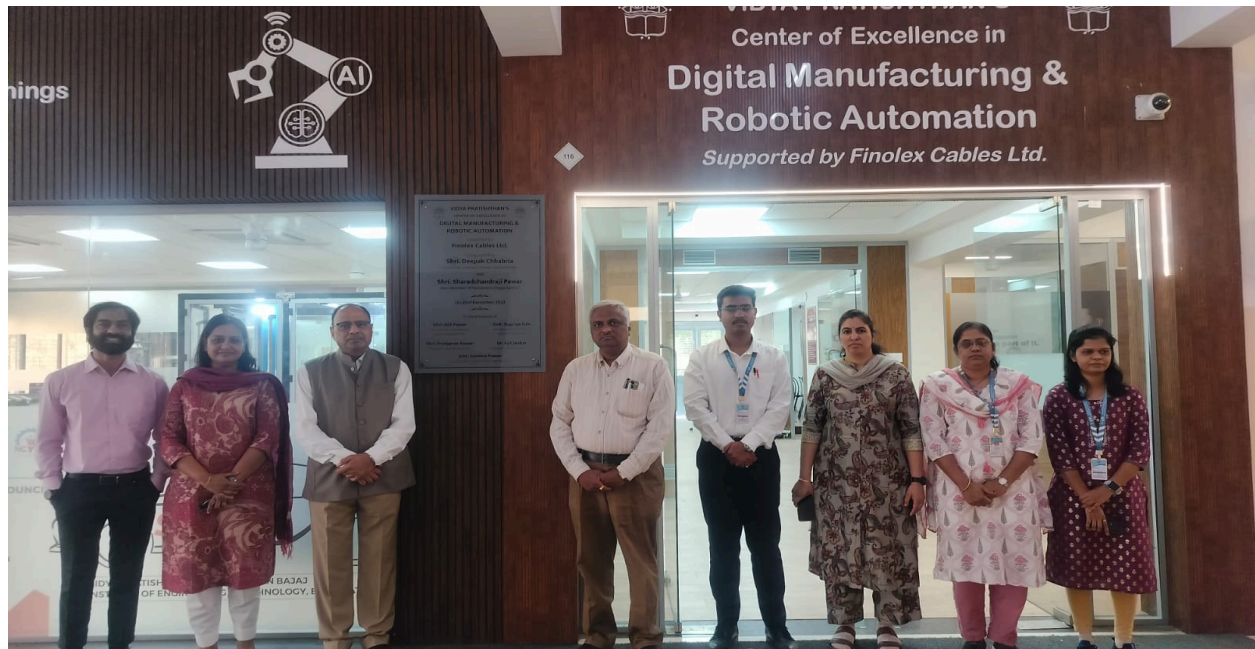
4. Outcome

The dignitaries appreciated the well-equipped facilities, structured training approach, and the practical exposure provided to the trainees. They acknowledged the importance of such initiatives in bridging the gap between industry and skill development.

5. Conclusion

The visit concluded on a positive note with valuable feedback from the dignitaries. Their visit encouraged the team to continue delivering high-quality training programs and further strengthen industry collaboration in the field of digital manufacturing and automation.

Photos



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

Dr. M. S. Lande
Head of Department
Dept. of Mechanical Engg



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

Date of Visit: 22 April 2026

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

1. Visitor Details

- **Visitor Group:** Yashoda Technical Campus, Satara
- **Total Visitors:** 67 Students and 4 Faculty Members
- **Student Details:** Second Year Engineering Students (Robotics and Mechatronics Branch)

2. Purpose of Visit

The purpose of the visit was to provide students with practical exposure to advanced technologies in digital manufacturing, industrial automation, and robotics. The visit aimed to bridge the gap between theoretical knowledge and real-world industrial applications.

3. Objectives of the Visit

- To understand the fundamentals of industrial automation and robotics
- To gain knowledge about modern digital manufacturing techniques
- To explore real-time applications of PLC, sensors, and control systems
- To enhance students' technical skills through practical demonstration
- To create awareness about emerging trends in Industry 4.0

4. Outcomes of the Visit

- Students gained practical understanding of industrial automation systems
- Enhanced knowledge of robotics and mechatronics applications
- Improved awareness of Industry 4.0 technologies
- Better clarity on career opportunities in automation and manufacturing sectors
- Increased interest in practical and research-oriented learning

5. Conclusion

The visit to COEDMRA was highly informative and beneficial for the students. It provided valuable insights into modern industrial practices and advanced technologies. The exposure to real-time systems helped students connect theoretical concepts with practical applications. Overall, the visit was successful in achieving its objectives and contributed significantly to the students' learning experience.

Photos:



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

Dr. M. S. Lande
Head of Department
Dept. of Mechanical Engg



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

Visit Report

Date of Visit: 23 April 2026

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

1. Visitor Details

- **Dr. Deepak Shikarpur (Ph.D.)** – IT Engineer, Director, Kinetic Communications and Belrise Group of Companies
- **Mr. Kiran Vaidya** – Managing Director, Auto Cluster Development and Research Institute, Pune

2. Purpose of Visit

The purpose of the visit was to explore the advanced facilities at COEDMRA and understand its role in promoting digital manufacturing, industrial automation, and innovation. The visit also aimed to identify opportunities for collaboration between industry experts and the center in the areas of skill development, research, and technology transfer.

3. Objectives of the Visit

- To gain insights into digital manufacturing technologies and automation systems
- To understand industry-oriented training methodologies and infrastructure
- To evaluate the integration of IoT, robotics, and smart manufacturing systems
- To promote interaction between industry leaders and technical institutions

4. Outcomes of the Visit

- Appreciation for the advanced infrastructure and practical learning environment at COEDMRA
- Exchange of valuable industry knowledge and technical expertise
- Identification of potential areas for collaboration in training and development programs
- Strengthening the relationship between industry and academic institutions

5. Conclusion

The visit was highly insightful and productive, providing a platform for meaningful interaction between industry experts and the institution. It highlighted the importance of adopting modern technologies and industry-oriented training in education. The visit also opened avenues for future collaboration in the fields of automation, robotics, and digital manufacturing.



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

Date of Visit: 24 April 2026

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

1. Visitor Details

Visitor Group: Shree Siddheshwar Women's College of Engineering, Solapur

Total Visitors: 20 members (09 Faculty Members, 11 Students)

2. Purpose of Visit

The purpose of the visit was to explore advanced technologies in digital manufacturing, industrial automation, and robotics. The visit aimed to understand the training infrastructure, industry-oriented programs, and potential collaboration opportunities for technical training and skill development.

3. Visit Overview

The visit began with an introductory session providing an overview of COEDMRA, its vision, and its role in promoting innovation and industry-oriented skills.

The visitors were guided through various laboratories and facilities, including: Simulation Section, Mechatronics Section, Robotics Section, Advanced Manufacturing Section

A detailed demonstration of various ongoing projects and training modules was presented.

4. Outcome

- Enhanced understanding of startup incubation and innovation ecosystem
- Exposure to advanced industrial technologies and practical training methods
- Awareness of opportunities for entrepreneurship and research
- Motivation among students to engage in innovation-driven projects
- Strengthening of institutional collaboration for future activities

5. Conclusion

The visit to COEDMRA was highly informative and beneficial for both faculty and students. It provided valuable insights into modern technologies, startup support systems, and industry-oriented learning. The experience will significantly contribute to fostering innovation, entrepreneurship, and technical skills among participants.

Photos:



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

Dr. M. S. Lande
Head of Department
Dept. of Mechanical Engg



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

Date of Visit: 24 April 2026

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

1. Visitor Details

Name: Lieutenant Colonel Abhishek Goregaonkar

Designation: 2nd Commanding Officer

Organization: 6th Technical Training Regiment, Goa

2. Purpose of Visit

The purpose of the visit was to explore advanced technologies in digital manufacturing, industrial automation, and robotics. The visit aimed to understand the training infrastructure, industry-oriented programs, and potential collaboration opportunities for technical training and skill development.

3. Visit Overview

During the visit, the guest was given a comprehensive tour of COEDMRA facilities, including: Simulation Section, Mechatronics Section, Robotics Section, Advanced Manufacturing Section

A detailed demonstration of various ongoing projects and training modules was presented.

4. Outcome

- Appreciation for the state-of-the-art infrastructure and practical training approach
- Exchange of knowledge regarding military technical training and industrial automation
- Identification of potential collaboration for training programs and skill development initiatives

5. Conclusion

The visit was highly informative and productive, strengthening the relationship between technical training institutions and industry-oriented centers. It provided valuable exposure to advanced manufacturing technologies and opened avenues for future collaboration in the field of automation and robotics.

Photos



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

Dr. M. S. Lande
Head of Department
Dept. of Mechanical Engg



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

AI Explorers Boot Camp Report

Date: 30 April 2026

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

1. Introduction

An AI Explorers Boot Camp was organized at COEDMRA to introduce students to modern technologies like 3D printing and robotics. The aim of the boot camp was to create interest and awareness about advanced engineering fields among school students.

2. Participants

A total of **10 students** participated in the boot camp from the following schools:

- VPEMS School, Baramati
- VP Supa
- VP Bal Vikas, Baramati

The students were from 5th to 10th standard.

3. Objectives

- To introduce students to Artificial Intelligence and Robotics
- To provide basic knowledge of 3D Printing technology
- To encourage students towards innovation and practical learning
- To create awareness about future technologies

4. Sessions Conducted

a) 3D Printing Session

The 3D printing session was conducted by Mandar Sir.
He explained:

- Basics of 3D printing technology
- Working of a 3D printer
- Materials used in printing
- Live demonstration of printing process

Students observed how a digital design is converted into a physical object.

b) Robotics Session

The robotics session was conducted by Arti Mam. She covered:

- Introduction to **robotics**
- Types of robots used in industry
- Basic robot movements and applications
- Demonstration of robotic systems

Students actively participated and asked questions during the session.

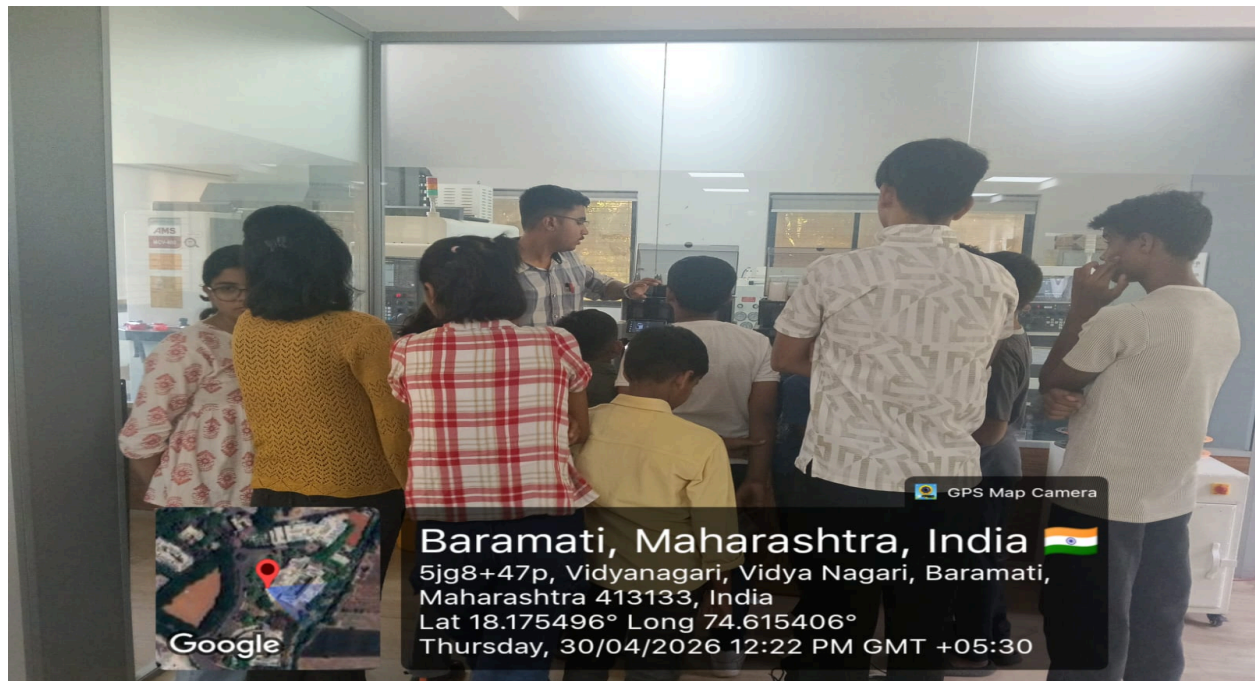
5. Outcomes

- Students gained basic knowledge of **3D printing and robotics**
- Increased curiosity about **AI and modern technologies**
- Improved understanding through **practical demonstrations**
- Encouraged interest in **engineering and innovation fields**

6. Conclusion

The AI Explorers Boot Camp was highly informative and interactive. It helped students understand advanced technologies in a simple and practical way. Such programs are very useful for inspiring young minds and guiding them towards future career opportunities in technology.

Photos





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

Dr. M. S. Lande
 Head of Department
 Dept. of Mechanical Engg