



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

Monthly Report August -2026

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

Sr.	Date	Activity	Remark
1	Aug month	Revenue generated through selling of students project kits/ gift items etc	Rs.61,345/- was collected for the month of August.
2	8/8/2026	Visit Report-VP Marathi Medium School	A separate report is attached.
3	10/8/2026	Visit Report-MGI College of Engineering Shegaon Team	A separate report is attached.
4	18/8/2026	Visit Report- Mr. C.E. Potnis	A separate report is attached.
5	21/8/2026	Internship Report- Yashoda Technical Campus	A separate report is attached.
6	22/8/2026	Visit Report- JSPM Polytechnic, Hadapsar	A separate report is attached.
7	24/8/2026	Visit Report- Someshwar Polytechnic	A separate report is attached.
8	27/8/2026	Visit Report- VP Polytechnic, Indapur	A separate report is attached.
9	29/8/2026	Visit Report-MAEER's MIT Smt. Prayag Karad Vishwashanti English Medium High School, Barshi	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
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Visit Report

Date of Visit: 8 August 2026

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

1. Guest Details

- **Institute:** VP Marathi Medium School
- **Class:** 10th Standard
- **Number of Students:** 300
- **Faculty Members:** 10

2. Purpose of Visit

The purpose of the visit was to provide students with practical exposure to digital manufacturing, robotics, industrial automation, and emerging technologies. The visit aimed to create awareness about modern engineering technologies and their applications in industries.

3. Details of Visit

During the visit, students were introduced to the various facilities and technologies available at COEDMRA, including:

- Introduction to Digital Manufacturing and Industry 4.0 concepts.
- Demonstration of 6-Axis Articulated and SCARA Robots.
- Introduction to PLC, Industrial Automation, Hydraulic and Pneumatic Systems.
- Demonstration of CNC/VMC and 3D Printing technologies.

4. Outcomes

The visit provided students with practical exposure to modern industrial technologies, robotics, automation, Industry 4.0, and smart manufacturing. It helped them connect their academic knowledge with real-world applications and understand future career and higher-education opportunities in engineering and technology.

5. Conclusion

The visit to COEDMRA provided students with valuable practical exposure to robotics, automation, digital manufacturing, and emerging technologies, creating interest in engineering and future career opportunities.

Photos:



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Visit Report

Date of Visit: 10 August 2026

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

1. Guest Details

Institute: MGI College of Engineering, Shegaon

Guests:

- Dr. Gopal Gawande – Professor & Dean, IQAC
- Dr. Tushar Bade – T&P Officer
- Dr. Manekar – HOD, CSE
- Dr. Santosh Mhaske – HOD, ENTC

2. Purpose of Visit

The purpose of the visit was to explore COEDMRA's advanced facilities, industrial technologies, robotics, automation, and digital manufacturing practices, and to discuss opportunities for academic and industry collaboration.

3. Details of Visit

The guests visited various sections of COEDMRA and were introduced to robotics, industrial automation, PLC, SCADA, CNC/VMC, 3D printing, IoT, and smart manufacturing technologies. Demonstrations of the available facilities were also provided.

4. Outcomes

The visit provided valuable insights into advanced manufacturing and automation technologies and encouraged interaction and knowledge sharing between the institutions. It also helped identify potential areas for academic, training, and industry collaboration.

5. Conclusion

The visit to COEDMRA was informative and productive, providing the visiting team with practical exposure to modern technologies and opportunities for future academic and industry collaboration.

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Visit Report

Date of Visit: 18 August 2026

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

1. Guest Details

Name: Mr. Chandrashekhar E. Potnis

Organization: Vidyarthi Sahayyak Samiti, Pune

Designation: Trustee

2. Purpose of Visit

The purpose of the visit was to introduce the guest to the activities, facilities, and training capabilities of COEDMRA in the areas of digital manufacturing, robotics, automation, IoT, PLC, SCADA, and advanced manufacturing technologies.

3. Details of Visit

The guest visited COEDMRA and was introduced to the Centre's facilities and training activities. Demonstrations of PLC, SCADA, robotics, IoT, CNC/VMC, and 3D printing were presented.

4. Outcomes

- The guest gained an understanding of the facilities and technological capabilities of COEDMRA.
- The practical training and hands-on learning approach of the Centre were appreciated.
- The importance of industry-oriented technical education and skill development was discussed.
- Opportunities for future academic, training, and institutional collaboration were explored.

5. Conclusion

The visit of Chandrashekhar E. Potnis, Trustee, Vidyarthi Sahayyak Samiti, Pune, was informative and fruitful. The visit provided an opportunity to showcase the advanced facilities and activities of COEDMRA and highlighted its contribution towards practical learning, skill development, and digital manufacturing education.

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Internship Report

Internship Duration: 6 August 2026 to 21 August 2026

Place: Centre of Excellence in Digital Manufacturing and Robotics Automation

1. Intern Details

- Institute: Yashoda Technical Campus, Satara
- Class: Second Year
- Branch: Robotics and Mechatronics
- Total Students: 29
- Girls: 19
- Boys: 10
- Training Domains: Industrial Automation, Robotics, and Digital Manufacturing

2. Objective of Internship

The internship was organized to provide students with practical, hands-on exposure to industrial automation, robotics, and digital manufacturing technologies. The training focused on developing technical knowledge and industry-oriented skills through demonstrations, software practice, and practical sessions.

3. Areas Covered

A. Industrial Automation

- Introduction to PLC and automation systems
- PLC programming and ladder logic
- Timers, counters, and basic PLC instructions
- SCADA and HMI applications
- Industrial communication and IIoT concepts
- Practical work on automation training kits

B. Robotics

- Introduction to industrial robots
- SCARA robot operation and programming
- 6-axis articulated robot operation
- Manual and automatic modes
- Pick-and-place operations
- Robot programming and simulation

C. Digital Manufacturing

- Introduction to Fusion 360 and 3D modelling
- Preparation of models for 3D printing
- Introduction to 3D printing and printing parameters
- Introduction to CNC/VMC machines
- Drawing reading and basic CNC programming
- Practical exposure to CNC/VMC operations

4. Training Methodology

The internship included theory sessions, software demonstrations, practical sessions, hands-on activities, and industrial equipment demonstrations. Students were encouraged to operate the training equipment and understand the practical applications of the technologies.

5. Outcomes

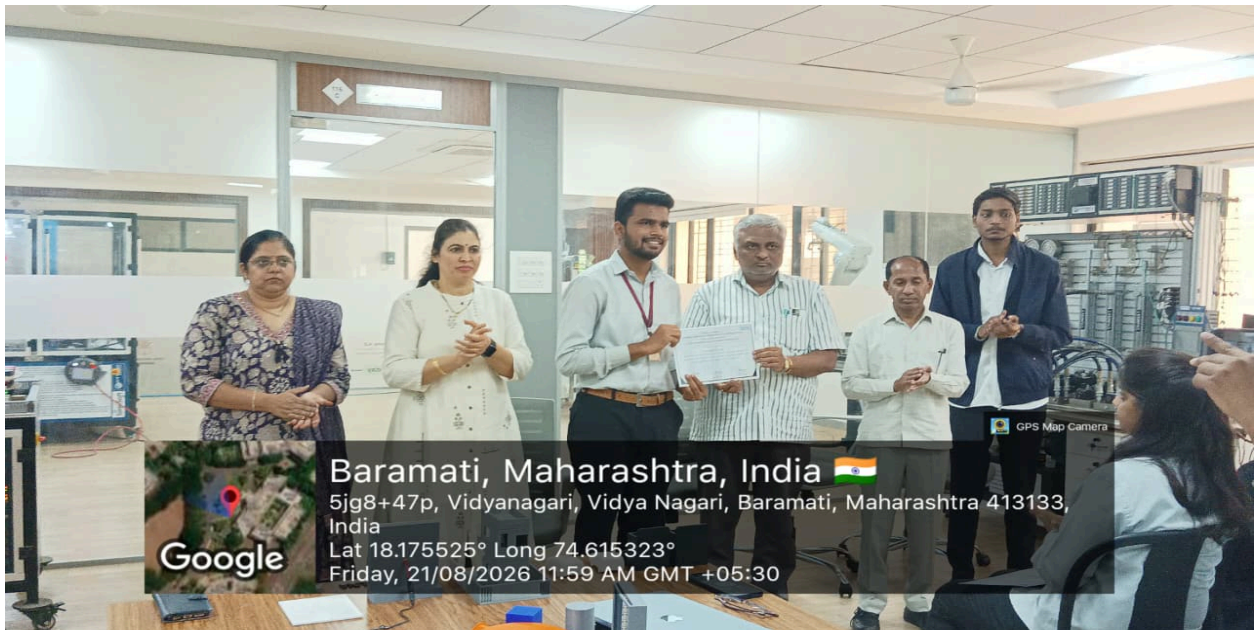
At the end of the internship, students:

- Gained practical knowledge of PLC, SCADA, and industrial automation.
- Developed basic skills in robot operation and programming.
- Understood the fundamentals of 3D modelling and 3D printing.
- Gained exposure to CNC/VMC machines and programming.
- Improved their understanding of industry-oriented technologies and automation applications.

6. Conclusion

The internship at COEDMRA provided the 29 students of Yashoda Technical Campus with valuable hands-on experience in Industrial Automation, Robotics, and Digital Manufacturing. The practical training helped students connect their academic knowledge with real-world industrial applications and enhanced their technical skills.

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Visit Report

1. Guest Details

Date of Visit: 22 August 2026
Institute: JSPM Polytechnic, Hadapsar
Class: Robotics and Automation
Number of Students: 40
Faculty Members: 3

2. Purpose of Visit

The main purpose of the visit was to provide students with practical exposure to advanced technologies used in digital manufacturing, industrial automation, robotics, and Industry 4.0. The visit aimed to bridge the gap between theoretical knowledge and practical industrial applications.

3. Details of the Visit

Students and faculty visited different sections of COEDMRA and observed demonstrations of:

- PLC, SCADA and HMI
- Industrial Robotics – SCARA and 6-axis robots, Industry 4.0
- CNC/VMC and 3D Printing

Students also interacted with trainers and gained practical exposure to modern manufacturing technologies.

4. Outcomes

- Gained practical knowledge of industrial automation and robotics.
- Understood PLC, SCADA, HMI, and IoT applications.
- Learned about SCARA and 6-axis robots.
- Gained exposure to CNC/VMC and 3D printing.
- Understood Industry 4.0 and smart manufacturing.

5. Conclusion

The visit was informative and beneficial, providing students with practical exposure to robotics, automation, digital manufacturing, and Industry 4.0 technologies.

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Visit Report

Date of Visit: 24 August 2026

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

1. Guest Details

- Institute: Someshwar Polytechnic
- Class: Second Year Computer Diploma
- Number of Students: 60
- Faculty Members: 5

2. Purpose of Visit

The main purpose of the visit was to provide students with practical exposure to digital manufacturing, robotics, automation, and industrial technologies. The visit helped students understand industrial applications, modern technologies, and the connection between classroom learning and real-world applications.

3. Details of Visit

The students visited different sections of COEDMRA, including Robotics, Automation, Simulation, and Digital Manufacturing. They learned about PLC, SCADA, HMI, industrial robots, SCARA and 6-axis robots, CNC/VMC machines, 3D printing, and sensors through demonstrations and interactions with the trainers.

4. Outcomes

The visit provided students with practical knowledge of industrial automation, robotics, and digital manufacturing. Students gained basic understanding of PLC, SCADA, HMI, CNC/VMC, 3D printing, and industrial robots, and learned about their practical applications and career opportunities.

5. Conclusion

The visit to COEDMRA was an informative and valuable learning experience for the students and faculty of Someshwar Polytechnic. It provided practical exposure to automation, robotics, and digital manufacturing and encouraged students to explore modern technologies and future career opportunities.

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Visit Report

Date of Visit: 28 August 2026

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

1. Guest Details

- Institute: VP Polytechnic, Indapur
- Class: Second Year Computer Diploma
- Number of Students: 70
- Faculty Members: 2

2. Purpose of Visit

The main purpose of the visit was to provide students with practical exposure to digital manufacturing, robotics, automation, and industrial technologies. The visit helped students understand industrial applications, modern technologies, and the connection between classroom learning and real-world applications.

3. Details of Visit

The students visited different sections of COEDMRA, including Robotics, Automation, Simulation, and Digital Manufacturing. They learned about PLC, SCADA, HMI, industrial robots, SCARA and 6-axis robots, CNC/VMC machines, 3D printing, and sensors through demonstrations and interactions with the trainers.

4. Outcomes

The visit provided students with practical knowledge of industrial automation, robotics, and digital manufacturing. Students gained basic understanding of PLC, SCADA, HMI, CNC/VMC, 3D printing, and industrial robots, and learned about their practical applications and career opportunities.

5. Conclusion

The visit to COEDMRA was an informative and valuable learning experience for the students and faculty of Someshwar Polytechnic. It provided practical exposure to automation, robotics, and digital manufacturing and encouraged students to explore modern technologies and future career opportunities.

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Visit Report

1. Guest / Visit Details

- **Date of Visit:** 29 August 2026
- **Institute:** MAEER's MIT Smt. Prayag Karad Vishwashanti English Medium High School, Barshi
- **Grades:** VI to X
- **Number of Students:** 380
- **Number of Faculty Members:** 35 Teachers

2. Purpose of Visit

The purpose of the visit was to provide students with practical exposure to Robotics, Automation, IoT, and Digital Manufacturing and create awareness about modern technologies.

3. Details of the Visit

The students and faculty members visited COEDMRA and were introduced to various modern technologies. They observed demonstrations of Robotics, PLC, SCADA, IoT, CNC machines, and 3D printing. The trainers explained the working and practical applications of these technologies in simple language. Students actively participated in the demonstrations and interacted with the trainers.

4. Outcomes

Students gained basic knowledge of modern technologies and understood their practical applications in industries. The visit encouraged students to develop interest in STEM and emerging technologies.

5. Conclusion

The visit was **informative and interactive**. It provided valuable practical exposure to 380 students and 35 faculty members and motivated students to explore future opportunities in technology and engineering.

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