



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

Monthly Report September -2025

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

Sr.	Date	Activity	Remark
1	Sept 2025	Revenue generated by selling medals/ school kits/gift items	Rs. 10.080 - revenue generated
2	2/09/2025	Student visit of ERA International school	A separate report is attached.
3	4/09/2025	Visit of Babasaheb Phadtare College of Engineering and Technology	A separate report is attached.
4	8/09/2025	Report on Visit by Mr. Ajit Gate	A separate report is attached.
5	10/09/2025	Bharat Forge Training Inauguration Program	A separate report is attached.
6	10/09/2025	BFL MOU	MoU is attached
7	11/09/25	Faculty visit of Yashwantrao Chavan Academy of Development Administration	A separate report is attached.
8	11/09/2025	Visit of Mr. Kalel Jayant P.	A separate report is attached.
9	26/9/2025	Visit of Mr. Yogesh Inamdar, Associate Vice President, Bharat Forge Ltd.	A separate report is attached.

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

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

Principal
VPKBIET, Baramati

Centre of Excellence in Digital Manufacturing & Robotic Automation

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

Visit Report

Industry: ERA International School, Baramati

Date of Visit: 2nd September 2025

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

Institution: ERA International School, Baramati

Delegation: 70 Students and 4 Faculty Members

Objective of the Visit:

The visit was organized with the aim of introducing students to the concepts of **robotics**, **automation**, and **digital manufacturing**—an integral part of their academic curriculum under **industrial exposure**. The visit sought to bridge the gap between theoretical knowledge and real-world applications by providing a practical understanding of cutting-edge technologies.

Details of the Visit:

On **2nd September 2025**, a delegation comprising **70 students and 4 faculty members** from **ERA International School, Baramati**, visited the **Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA)**.

Upon arrival, the delegation was warmly welcomed by the COEDMRA staff and given a brief orientation about the center's mission, objectives, and ongoing research projects.

The visit began with a **presentation session** where students were introduced to:

- Fundamentals of **Robotics & Automation**
- Applications of **Digital Manufacturing** in modern industries

- Real-time demonstrations of robotic arms, sensors, and industrial automation setups

Following the presentation, students were taken on a **guided tour** of the facility. They observed:

- CNC machines and automated production lines
- 3D printing and prototyping stations
- Robotics lab showcasing different types of robots and automation tools
- Human-Machine Interaction systems and IoT integrations

The session concluded with a **Q&A interaction**, where students enthusiastically asked questions and gained further insights into how these technologies are applied in real-world industrial scenarios.

Outcomes of the Visit:

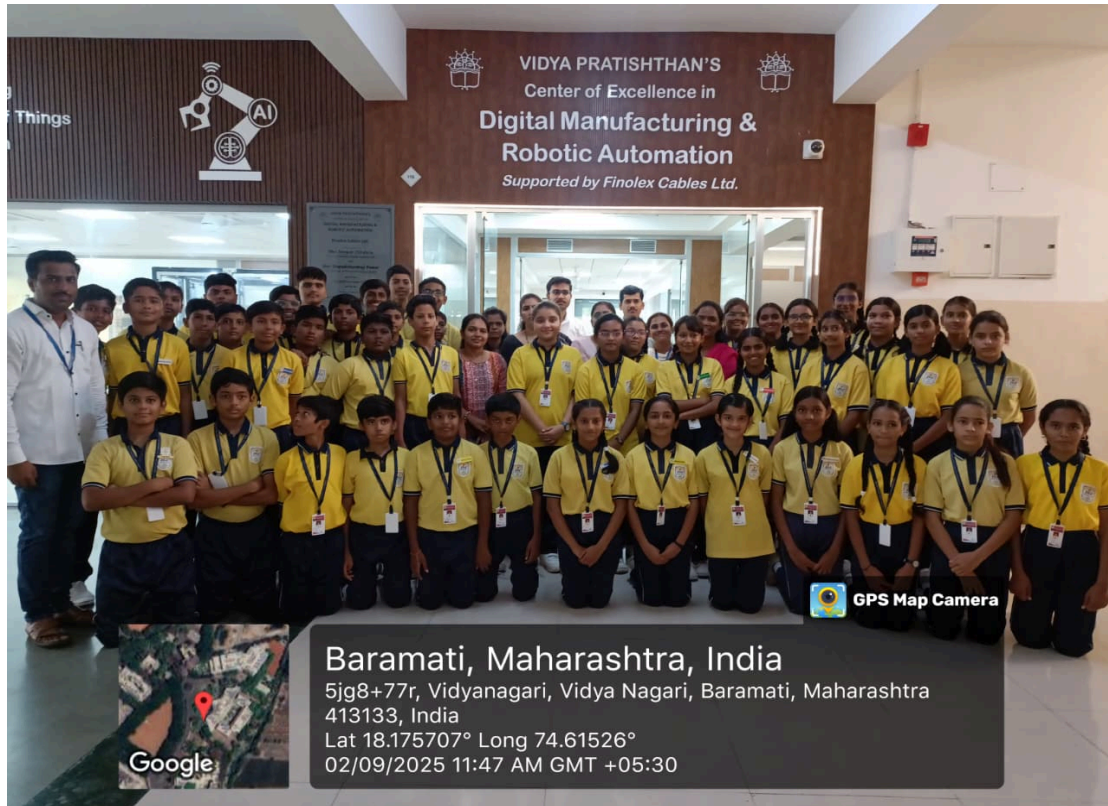
- Students developed a **basic understanding of robotics and automation** technologies.
- Gained practical exposure to tools and machines used in **advanced manufacturing systems**.
- Understood the significance of **digital transformation** in the industrial domain.
- Inspired interest in pursuing careers in engineering, robotics, and automation

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Photos:







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

Visit Report

Date: 4th September 2025

To: Babasaheb Phadtare College of Engineering & Technology

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

Faculty Members: Dr. P. R. Chitragar, Prof. P. D. Kale, Mr. Mandar More

Subject: Visit to Babasaheb Phadtare College of Engineering & Technology

Details of Visit:

On 4th September 2025, our faculty members – Dr. P. R. Chitragar, Prof. P. D. Kale, and Mr. Mandar More – visited Babasaheb Phadtare College of Engineering & Technology. The purpose of the visit was to create awareness about the Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA) and to explore collaboration opportunities.

During the visit, information was shared regarding:

- **The facilities and research capabilities** available at COEDMRA.
- **Internship programs** designed to provide hands-on experience in robotics, automation, and digital manufacturing technologies.
- **Training programs** aimed at enhancing students' skills in advanced technologies like robotics programming, automation tools, artificial intelligence, and machine learning.

The faculty encouraged the college to send interested students to COEDMRA for exposure visits, workshops, and internships, which will greatly benefit them in gaining practical knowledge and industry-relevant experience.

Additionally, the importance of fostering industry-academia linkages was emphasized to help students stay updated with emerging technologies. We also offered to conduct on-campus seminars and short-term training sessions to further support the students' learning needs. Collaborative projects and research initiatives were discussed as potential areas to strengthen innovation and practical application. Our team is committed to mentoring students and providing technical guidance for their academic and professional growth.

We look forward to a continued partnership and are happy to support your students in their learning journey.

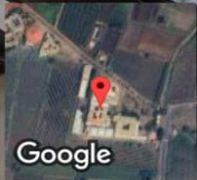
Mrs. P. D. Kale,
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Photos:





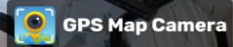
Pune, Maharashtra, India

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

Visit Report

Industry: Digitech Robotics India Pvt. Ltd.

Visitor: Mr. Ajit Gate

Date of Visit: 8th September 2025

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

Purpose of Visit:

The visit was aimed at exploring collaborative opportunities and sharing expert insights on current trends in robotics and artificial intelligence.

Details of Visit:

On 8th September 2025, Mr. Ajit Gate from M/s. Digitech Robotics India Pvt. Ltd. visited the Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA). During the interaction, he provided valuable suggestions on the implementation of digital twin solutions in robotics and emphasized the significance of Artificial Intelligence and Machine Learning (AIML) for enhancing automation processes. He also discussed the role of Robot Operating System (ROS) programming in improving robotic applications and facilitating advanced control strategies.

The visit provided an excellent platform for knowledge exchange and potential collaboration, aligning with the ongoing efforts to advance robotics and automation technologies.

Outcome:

- The insights shared by Mr. Ajit Gate are expected to benefit ongoing and upcoming projects at COEDMRA.
- Discussions will be extended to explore potential collaborations in research and development.
- The suggestions regarding digital tuning and AI DS will be integrated into training sessions and practical demonstrations for students and faculty.

Acknowledgment:

We extend our sincere gratitude to Mr. Ajit Gate for sharing his expertise and contributing to the advancement of digital manufacturing and automation at COEDMRA.

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

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Dept. of Mechanical Engg.

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Photos:



Baramati, Maharashtra, India
5jg8+47p, Vidyanagari, Vidya Nagari, Baramati, Maharashtra 413133, India
Lat 18.175427° Long 74.615379°
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Vidya Pratishthan's
Centre of Excellence in Digital Manufacturing & Robotic Automation

Report-Bharat Forge Training Inauguration Program

Bharat Forge Training Inauguration Program

Date: 10th September 2025

Time: 10:00 AM

Venue: VPKBIET Main Building Seminar Hall

1. Introduction

The **Bharat Forge Training Inauguration Program** was conducted on 10th September 2025 at 10:00 AM in the Seminar Hall of the main building at VPKBIET. The program was organized to officially commence the training initiative in collaboration with Bharat Forge Group, aimed at enhancing industry-academia interaction and providing students with hands-on training and exposure.

2. Guests and Dignitaries

The program was graced by distinguished guests from Bharat Forge and other industries as well as faculty members from VPKBIET:

Guests from Bharat Forge Group:

1. **Mr. Sanjay Agrawal**
2. **Mr. Srinivasu Malladi**
3. **Mr. Ganesh Chandan**
4. **Mr. Srinivasu Malladi**, Vice President (HR, IR & Admin), Bharat Forge Group
5. **Mr. Ganesh Chandan**, President & CHRO, Kalyani Group

Faculty Members and Officials Present:

- **Dr. Lande**, Principal, VPKBIET
- **Dr. J. S. Rangole**, HOD of Electronics & Telecommunication
- **Prof. Gadge**, HOD of Electrical Engineering
- **Dr. M. S. Lande**, HOD of Mechanical Engineering
- **Prof. P. V. Kale**, Head, Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA)
- **Dr. Vishal Kore**, TPO, Vidya Pratishthan
- **Dr. Jyoti Kulkarni**, TPO, VPKBIET

3. Program Schedule and Proceedings

The inauguration program followed a structured format, ensuring active participation and knowledge exchange:

Felicitation Ceremony:

The event began with the felicitation of guests by the institute authorities. Guests from Bharat Forge Group and faculty members were honored with bouquets and mementos as a mark of appreciation.

1. Speeches:

Following the felicitation, the dignitaries delivered speeches emphasizing the importance of industry-academia collaboration, the need for skill development, and the opportunities that the training program would create for students.

2. Signing of MoU:

A Memorandum of Understanding (MoU) was signed between VPKBIET and Bharat Forge Group to formalize the training program and set the framework for cooperation in training, internships, and skill enhancement.

3. Visit to Centre of Excellence:

The program concluded with a visit to the **Centre of Excellence in Digital Manufacturing, Robotics, and Automation (COEDMRA)**. The guests were given a guided tour of the labs and facilities, where students demonstrated their projects and ongoing research activities.

4. Observations

- The interaction between industry representatives and students was highly encouraging, providing a platform for knowledge exchange and networking.
- The MoU signing marks a significant step toward bridging the gap between academia and industry.
- The tour at the COEDMRA inspired students to engage in practical learning and research-driven projects.

5. Conclusion

The Bharat Forge Training Inauguration Program was a grand success. It laid the foundation for future collaborations and provided students with valuable insights into industrial practices and skill development opportunities. The presence of esteemed dignitaries and faculty contributed to making the event impactful and motivating for the students.





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

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

Principal
VPKBIET, Baramati



महाराष्ट्र MAHARASHTRA

2025

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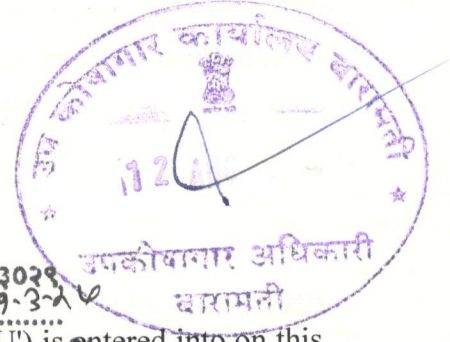
MEMORANDUM OF UNDERSTANDING
(मौ.अ.उ.)
(MoU)

मुद्रांक विक्रेता

परवाना क्रमांक २२०३०२९

परवान्याची मुदत ३९-३-२५

प्रशासक, बरामती



This Memorandum of Understanding (hereinafter called as the 'MoU') is entered into on this the 1st day of Month September 2025 at Baramati, Maharashtra

BETWEEN.

Bharat Forge Limited; a company bearing CIN: L25209PN1961PLC012046, incorporated under the provisions of Companies Act, 2013 and having its registered office at, Mundhwa, Pune, 411036 (hereinafter referred to as the "Bharat Forge Limited" or "BFL", which term, unless inconsistent with its context or meaning, shall include its authorized representatives, successors, transferees and permitted assignees) **OF THE FIRST PART;**

AND

Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, a college under Pune University and located at Baramati (VPKBIET, Baramati), Dist. Pune, MH., India 413133 (hereinafter referred to as the "VPKBIET", which term, unless inconsistent with its context or meaning, shall include its authorized representatives, successors, transferees and

permitted assignees), **OF THE SECOND PART.**

Bharat Forge Limited and **VPKBIET** shall jointly be referred to as Parties and each individually as Party in this Memorandum of Understanding ("**MOU**").

Recitals

- A. **Bharat Forge Limited** is world's largest and most technologically advanced commercial forging company, a specialized engineering product manufacturer, engaged in manufacture of critical forged and fully machined components for automotive & non-automotive sector.
- B. **Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology, Baramati (VPKBIET, Baramati)** is a private institute approved by AICTE and offers a variety of courses at UG and PG levels with specializations in Electrical Engineering, Computer Science Engineering, Structural Engineering, Artificial Intelligence & Machine Learning and Robotics Engineering and others..

WHEREAS:

Both First Party & Second Party believe that collaboration and co-operation between themselves will promote more effective use of each of their resources, and provide enhanced opportunities of Skill Based Training/Class room training /On the Job training/ Industrial Visit, Expert Lectures etc.

NOW THEREFORE, IN CONSIDERATION OF THE MUTUAL COVENANTS, PROMISES, AGREEMENTS, TERMS AND CONDITIONS SET FORTH IN THIS MOU, THE MUTUAL BENEFITS TO BE DERIVED THEREFROM AND OTHER GOOD AND VALUABLE CONSIDERATION (*THE RECEIPT AND SUFFICIENCY OF WHICH IS HEREBY ACKNOWLEDGED*), THE PARTIES HERETO AGREE AS FOLLOWS:

1. Definitions and Interpretation.

- 1.1. "**Mechatronics training**" is a course of training which combines mechanical engineering, electrical engineering, electronics, and computer science to design and develop intelligent automated systems, offered by any institute, industry or establishment. It also consists of on-the-job-training (OJT) /practical training at institute & workplace, here VPKBIET.
- 1.2. "**On-the-job-training**" or "**OJT**" is the Practical training imparted at workplace in an institute/ industry, here VPKBIET.
- 1.3. "**An employer**" is a Company /entity who has business in any trade or occupation, here BFL.
- 1.4. "**Institute**" is an entity established by the University in accordance with the Act and the

Statutes of the University, here Pune University.

CO-OPERATION

- 1.1 Both Parties are united by common interests and objectives, and they shall establish co-operation each other.
- 1.2 First Party and Second Party co-operation will facilitate effective utilization of the intellectual and infrastructural capabilities for upgradation of Skills of employees of the First Party while effective utilization of the facility of the Second Party.
- 1.3 The parties shall co-operate with each other and shall promptly take the responsibility.
- 1.4 Any kind of monetary obligations will not be involved in this MOU for both the parties.

2. Roles & Responsibilities of the Parties

2.1. Bharat Forge Limited agrees its role is as follows:

1. BFL will depute employees for Mechatronics training for a period of three months or such other extended period as may be mutually agreed between the Parties from the date of this MOU.
2. BFL will design & define the syllabus for Mechatronics training as per the BFL's requirements. (Ref. Annexure-A).
3. BFL will reimburse food expenses at actuals incurred by deputed employees during training period at the institute.
4. Mandate attendance for all deputed employees enrolled in training program.
5. Assist the Institute with securing participant information.
6. Provide a weekly/monthly progress report of training participants' during training.
7. Work with the program partners and provide follow up services to the program participants as applicable.

2.2. VPKBIET agrees that its role as an implementation partner includes:

1. Impart the evidenced-based training courses and training course materials to employees of BFL.
2. Provide subject matter expert faculty for all specialized courses and impart training courses.
3. Maintain attendance records, including all activities of this program, and providing the same information to BFL as required.
4. Prepare Evaluation and effectiveness of training imparted.
5. Provide Certificates of Completion for employees who successfully complete their training course.
6. Follow all relevant and applicable regulations and administrative rules as specified by BFL.

3. TERM AND VALIDITY

3.1 This Agreement will be valid until it is expressly terminated by either Party with no further liability to each other .

4. Compliance with Laws

4.1 At all times during the term of this MOU and in performance of their respective obligation under it, the parties shall comply with the laws of India.

5. Confidentiality

5.1 Each Party undertakes that it shall not at any time disclose to any person any confidential information concerning the business, affairs, customers, intellectual property, clients or suppliers of the other Party, except as specified below.

5.1.1. A party may disclose the other Party's confidential information:

1. To its employees, officers, representatives, subcontractors or advisers who need to know such information for the purposes of carrying out the Party's obligations under this agreement. Each Party shall ensure that its employees, officers, representatives, subcontractors or advisers to whom it discloses the other Party's confidential information and or intellectual property comply with this clause;
2. With the prior written consent of the other Party (such consent not to be unreasonably withheld or delayed);

5.1.2. No Party shall use any other party's confidential information and/or intellectual property (including but not limited to patents, utility models, rights to inventions, copyright and neighboring and related rights, trademarks and service marks, business names and domain names) for any purpose other than to perform its obligations under this agreement.

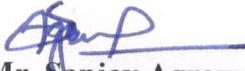
6. Miscellaneous

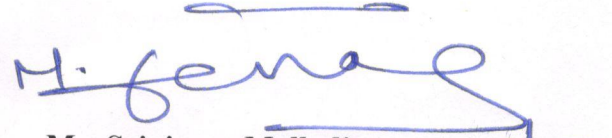
- 6.1. This MOU supersedes any prior statement of intention or understanding by either Party regarding the purpose of this MOU.
- 6.2. Nothing in this MOU constitutes any relationship of principal and agent, partnership, or joint ventures between the parties.
- 6.3. This MOU shall be governed by the laws of India and the Parties agree to the Jurisdiction of the Courts in Pune, Maharashtra for the any disputes arising for or out of this MOU.
- 6.4. If any part or parts of this Agreement shall be held unenforceable for any reason, the remainder of this Agreement shall continue in full force and effect. If any provision of this Agreement is deemed invalid or unenforceable by any court of competent jurisdiction, and if limiting such provision would make the provision valid, then such provision shall be deemed to be construed as so limited.
- 6.5. Neither Party shall transfer or assign any of its rights or obligations under this Agreement without the prior written consent of the other Party.

- 6.6. The parties agree and undertakes that from the Effective Date and during the Term of this Agreement or any time after the termination, shall not directly or indirectly, on their own behalf or on behalf of others, solicit, recruit, or induce or attempt to persuade any person now or at any time hereafter engaged in the performance of this MoU by the other party as an employee, officer, director, independent contractor, advisor or consultant, without the written consent of the other party.
- 6.7. Each Party will bear its own costs incurred in:
 - a) negotiating and settling the terms of this MOU; and
 - b) carrying out its respective roles and responsibilities under this MOU.
- 6.8. Entire Agreement: This Agreement is final, complete and exclusive agreement of the Parties and supersedes all proposals, oral or written, all negotiations, conversations, or discussions between or among Parties relating to the subject matter of this Agreement.
- 6.9. Amendment: No provision of this Agreement may be amended or modified except in writing executed by the Parties hereto.
- 6.10. Counterparts: This Agreement shall be executed in one or more counterparts, each of which shall be deemed an original, and shall constitute one and the same Agreement.
- 6.11. Force Majeure: Neither Party shall be liable for any failure or delay in performance of any obligation, other than obligation for payment of money, under this Agreement to the extent, such failure or delay is due to a Force Majeure Event. The Party having any such cause shall promptly notify the other Party in writing of the nature of such cause and the expected delay; if, however, it is not feasible for a Party to prevent the occurrence of the Force Majeure Event as a result of which that Party is prevented from performing its obligation affected by such Force Majeure Event, the Parties may decide to release that Party from performing its obligation hereunder or may modify the relevant provisions of this Agreement affected by the Force Majeure Event so long as the Force Majeure Event continues, in order to enable that Party to perform its other obligations hereunder as so modified.
- 6.12. Any dispute as to its interpretation or construction, execution or performance of, or in any way related to this Agreement should first be resolved amicably by the Parties. If within a reasonable time the Parties fail to resolve their differences then the Parties agree to abide by the decision of a single arbitrator appointed by both the Parties and the arbitration proceedings shall be conducted in accordance with the rules of arbitration of the Arbitration & Conciliation Act, 1996 or any statutory modification thereof. The place of arbitration or forum shall be in Bangalore exclusively and the language English. Each Party shall bear its own costs relating to such arbitration, and the Parties shall equally share the arbitrator's fees.

IN WITNESS WHEREOF, the Parties have affixed their signatures to this Agreement on the day month and year first above written.

First Party:


Mr. Sanjay Agrawal
Sr. Vice President

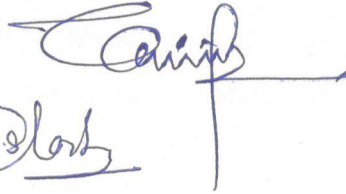

Mr. Srinivasu Malladi
Vice President Human resources

**Bharat Forge Limited, Plot No. E-1/1, MIDC, Baramati,
Maharashtra. 413133.**


Dr. Sudhir B. Lande,
Principal,
**Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology,
Baramati Dist. Pune, MH. India 413133.**

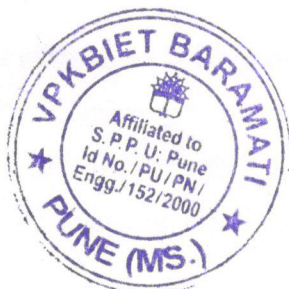
Witness-:

1) **Mr. Sadashiv B. Patil**



2) **Ms. Manisha Lande**







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

Visit Report

Industry: Yashwantrao Chavan Academy of Development Administration (YASHADA), Pune

Visitor: Faculty Visit of YASHADA Team

Date of Visit: 11th September 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 faculty members undergoing training at YASHADA with practical exposure to digital manufacturing, robotics, and automation technologies.

Details of Visit:

- A total of 27 faculty members and 2 YASHADA officials visited COEDMRA as part of their training program.
- The visit included an introduction to the Centre's facilities, infrastructure, and academic collaborations.
- Faculty members were guided through various departments and laboratories, gaining insights into industrial automation, robotics applications, and digital manufacturing systems.
- Interactive sessions were conducted to explain how COEDMRA integrates advanced technologies with academic and industrial practices.
- Discussions highlighted the importance of hands-on exposure for skill enhancement of faculty and students.

Outcome:

- The visit successfully created awareness about the latest trends in automation, robotics, and digital technologies.

- Faculty members expressed that the exposure will help them strengthen their teaching methodologies and research directions.
- The visit also established a potential for future collaboration between COEDMRA and participating institutions for training programs and knowledge exchange.

Acknowledgment:

We sincerely thank the officials and faculty members from YASHADA for their active participation. Special appreciation is extended to the coordinators for facilitating this visit and ensuring its success.

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

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

Principal
VPKBIET, Baramati

Photos:







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Centre of Excellence in Digital Manufacturing & Robotic Automation

Visit Report

Industry: Bharat Forge Ltd.

Visitor: Mr. Yogesh Inamdar, Associate Vice President, Bharat Forge Ltd.

Date of Visit: 26th September 2025

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

Purpose of Visit:

To discuss the training programs for Bharat Forge Ltd. (BFL) trainees in the areas of digital manufacturing, robotics, and automation.

Details of Visit:

- Mr. Yogesh Inamdar visited COEDMRA to explore training opportunities for BFL trainees.
- Discussions were held on designing a structured training program covering practical and theoretical aspects of industrial automation.
- Possible modules and schedules for trainee batches were considered to align with industry needs.
- Key focus areas included **hands-on training in PLC, SCADA, robotics, and advanced manufacturing technologies.**

Outcome:

- A mutual understanding was established regarding the scope of training for BFL trainees.
- Both parties agreed to draft a structured plan for training sessions and finalize the schedule in coordination with BFL.
- The visit laid the foundation for a long-term collaboration between Bharat Forge Ltd. and COEDMRA.

Acknowledgment:

We extend our sincere gratitude to **Mr. Yogesh Inamdar** for visiting COEDMRA and sharing valuable insights towards the development of trainee-oriented programs.

Photos:





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

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

Principal

VPKBIET, Baramati