



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XII OF 1860 R. No. 40/66.M.S. & Charitable Act. Reg. (814) (N)

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebandara09@gmail.com Ph. No. 07184-298755

Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur



Ref.No.: MPCOE/2025-26/385

Date: 11/08/2025

OFFICE ORDER

Subject: Constitution of Institution-Industry Cell for the Academic Year 2025-26

In accordance with the objectives of enhancing collaboration between academia and industry, and as per the direction of the competent authority, the Institution-Industry Cell is hereby constituted at **Madhukarrao Pandav College of Engineering, Bhilewada, Bhandara** for the academic year 2025-26.

The committee shall consist of the following members:

Sr. No.	Name of the Faculty Member	Designation	Role in Committee
1.	Dr. Dhiraj Deshmukh	Principal	Chairman
2.	Dr. Hemant Hajare	Associate Professor	Member Secretary
3.	Dr. Rashmi Patil (Gajghate)	Associate Professor	Member
4.	Prof. Bharati Purusharathi	Assistant Professor	Member
5.	Prof. Atul Vaidya	Assistant Professor	Member
6.	Prof. Sandip Kumbhare	Assistant Professor	Member
7.	Prof. Ajay Patil	Assistant Professor	Member
8.	Prof. Sonal Dhargawe	Assistant Professor	Member
9.	Prof. Nikita Radke	Assistant Professor	Member

Responsibilities of the Institution-Industry Interaction Cell:

- To foster a strong relationship between the institute and industry.
- To organize industrial visits, expert talks, internships, and collaborative projects.
- To facilitate MoUs and partnerships with industries for mutual benefits.
- To assist students in understanding current industry trends and job requirements.
- To bridge the gap between academic curriculum and industry needs.

All members are requested to take note of this and extend their cooperation for the successful functioning of the cell.

H.C. Coordinator
H. Hajare

Vice Principal
A. Ump
Madhukarrao Pandav College of
Engineering, Bhilewada, Bhandara.

Principal
PRINCIPAL
Madhukarrao Pandav College of
Engineering, Bhilewada,
Bhandara.



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XII OF 1860 R. No. 40/66.M.S. & Charitable Act. Reg. (814) (N)
MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebhandara09@gmail.com Ph. No. 07184-298755
Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur

Ref.No.: MPCOE/2024-25/A-254

Date : 02/07/2024

OFFICE ORDER

Subject: Constitution of Institution-Industry Cell for the Academic Year 2024-25
In accordance with the objectives of enhancing collaboration between academia and industry, and as per the direction of the competent authority, the Institution-Industry Cell is hereby constituted at **Madhukarrao Pandav College of Engineering, Bhilewada, Bhandara** for the academic year 2024-25.

The committee shall consist of the following members:

Sr. No.	Name of the Faculty Member	Designation	Role in Committee
1.	Dr. Dhiraj Deshmukh	Principal	Chairman
2.	Dr. Hemant Hajare	Associate Professor	Member Secretary
3.	Prof. Bharati Purusharathi	Assistant Professor	Member
4.	Prof. Atul Vaidya	Assistant Professor	Member
5.	Prof. Sandip Kumbhare	Assistant Professor	Member
6.	Prof. Pranay Meshram	Assistant Professor	Member
7.	Prof. Ajay Patil	Assistant Professor	Member
8.	Prof. sonal Dhargawe	Assistant Professor	Member
9.	Prof. Nikita Radke	Assistant Professor	Member

Responsibilities of the Institution-Industry Interaction Cell:

- To foster a strong relationship between the institute and industry.
- To organize industrial visits, expert talks, internships, and collaborative projects.
- To facilitate MoUs and partnerships with industries for mutual benefits.
- To assist students in understanding current industry trends and job requirements.
- To bridge the gap between academic curriculum and industry needs.

All members are requested to take note of this and extend their cooperation for the successful functioning of the cell.


PRINCIPAL
Madhukarrao Pandav College of
Engineering, Bhilewada,
Bhandara.



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XXI OF 1860 R. NO. 40/66 M.S. & Charitable Act, Reg.(B14) (H)
MADHUKARRAO PANDAV COLLEGE OF ENGINEERING
Bhilewada, Bhandara.

Website: www.mpceb.in email: mpcebhandara09@gmail.com Phone: 07184-298755
Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur

Ref: MPCE/IIC/2024-25/01

Date: 05/07/2024

NOTICE

All the members of the Institution–Industry Cell are hereby informed that the **first meeting** of the academic year 2024–25 will be conducted as per the schedule given below:

- 📅 **Date:** 10/07/2024
- 🕒 **Time:** 11:30 AM
- 📍 **Venue:** Conference Room

Agenda of the Meeting:

1. Introduction of committee members and objectives of the cell.
2. Planning of industry-institute interaction activities for the academic year.
3. Proposal for industrial visits, expert talks, internships, and training programs.
4. Identification of potential industry partners for MoUs.
5. Any other point with the permission of the chair.

All members are requested to attend the meeting without fail.

By Order



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XII OF 1860 R. No. 40/66.M.S. & Charitable Act. Reg. (814) (N)

MADHUKARRAO PANDAU COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebhandara09@gmail.com Ph. No. 07184-298755
Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur



Ref.No.:

Date :

Ref: MPCE/IIC/2024-25/MOM01

Date: 12/07/2024

Minutes the Meeting:

Date: 10/07/2024

Time: 11:30 AM

Venue: Conference Room

The first meeting of the Institution–Industry Cell for the academic year 2024–25 was held under the chairmanship of **Dr. Dhiraj Deshmukh**, Principal. The following members were present:

Members Present:

Name	Designation	Role
Dr. Dhiraj Deshmukh	Principal	Chairman
Dr. Hemant Hajare	Associate Professor	Member Secretary
Prof. Bharati Purusharathi	Assistant Professor	Member
Prof. Atul Vaidya	Assistant Professor	Member
Prof. Sandip Kumbhare	Assistant Professor	Member
Prof. Pramay Meshram	Assistant Professor	Member
Prof. Ajay Patil	Assistant Professor	Member
Prof. Sonal Dhargawe	Assistant Professor	Member
Prof. Nikita Radke	Assistant Professor	Member

(Handwritten signatures of the members listed in the table)

Agenda-wise Discussions and Resolutions:

1. Introduction and Objectives of the Committee:

The meeting started with an introduction of the committee members and a discussion on the objectives of strengthening industry–institute relationships.

2. Planning of Industry Interaction Activities:

It was resolved that the following activities would be planned during the academic year:

- **Two industrial visits** for students (one per semester).
- **Two expert talks/guest lectures** by industry professionals.
- **Internship opportunities** for final-year students through local industry coordination.



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XII OF 1860 R. No. 40/66.M.S. & Charitable Act. Reg. (814) (N)

MADHUKARRAO PANDAU COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebhandara09@gmail.com Ph. No. 07184-298755

Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur




Ref.No.:

Date :

3. **Proposal for Industry Collaborations:**
Members discussed potential industry partners in the Bhandara–Nagpur region for MoU and project-based collaborations.
Action: Dr. Hemant Hajare and Prof. Ajay Patil will shortlist and initiate contact.
4. **Internship and Project Mapping:**
The committee decided to prepare a database of interested students and ongoing industrial trends. Prof. Nikita Radke and Prof. Bharati Purusharathi will collect the initial data.
5. **Any Other Point:**
 - Members agreed to document all industry activities and outcomes for academic and NAAC records.
 - The next meeting will be tentatively scheduled for **January 2025** to review the progress.

The meeting ended with a vote of thanks by the Member Secretary.


(Dr. Hemant Hajare)
Member Secretary
Institution–Industry Cell


(Dr. Dhiraj Deshmukh)
Principal & Chairman



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XII OF 1860 R. No. 40/66.M.S. & Charitable Act. Reg. (814) (N)

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebhandara09@gmail.com Ph. No. 07184-298755

Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur



Ref.No.:

Date :

Ref: MPCE/IIC/2024-25/ATR01

Date: 20/07/2024

Action Taken Report (ATR):

For the Meeting held on 10/07/2024

1. Introduction and Objective Sharing

Action Taken:

- The objectives of the Institution-Industry Cell were discussed and shared with all members.
- Members were made aware of their responsibilities towards industry collaboration.

2. Planning of Industry-Oriented Activities

Action Taken:

- A tentative calendar was prepared for organizing:
 - **One industrial visit** in September 2024.
 - **One guest lecture** by an industry expert scheduled in October 2024.
- Venues and dates will be finalized in coordination with departments.

3. Industry Collaboration and MoU Initiatives

Action Taken:

- Dr. Hemant Hajare and Prof. Ajay Patil initiated contact with local industries like Ashok Leyland (Ghogali), Sunflag Iron & Steel (Bhandara), and other regional partners.
- Draft format of MoU is being prepared for discussion in the next meeting.

4. Internship and Industry Project Mapping

Action Taken:

- Prof. Nikita Radke and Prof. Bharati Purushartha started collecting data from final-year students for internship mapping.



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XII OF 1860 R. No. 40/66.M.S. & Charitable Act. Reg. (814) (N)

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebhandara09@gmail.com Ph. No. 07184-298755
Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur



Ref.No.:

Date :

- A Google form was circulated to gather information about students' preferences and technical interests.

5. Documentation and Follow-Up

Action Taken:

- A dedicated file (digital + physical) has been started for maintaining all records of Institution–Industry Cell activities.
- Documentation will include meeting notices, MoUs, guest lectures, visits, and feedback.

The cell is progressing with steady efforts to strengthen institute–industry relationships and bridge the skill gap for students.

(Dr. Hemant Hajare)
Member Secretary
Institution–Industry Cell


(Dr. Dhiraj Deshmukh)
Principal & Chairman
PRINCIPAL
Madhukarrao Pandav College of
Engineering, Bhilewada,
Bhandara.



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XXI OF 1860 R. NO. 40/66 M.S. & Charitable Act, Reg.(814) (N)

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website: www.mpceb.in email: mpcebhandara09@gmail.com Phone: 07184-298755
Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur

Ref: MPCE/IIC/2024-25/02

Date: 10/01/2025

NOTICE

All members of the Institution-Industry Cell are hereby informed that the **second meeting** for the academic year 2024-25 will be conducted as per the following schedule:

- 📅 **Date:** 15/01/2025
- 🕒 **Time:** 11:00 AM
- 📍 **Venue:** Conference Room

Agenda of the Meeting:

1. Review of activities conducted till date (visits, guest lectures, internship drives).
2. Progress report on MoUs and industry partnerships.
3. Planning for end-semester industrial exposure, mini-projects, or skill sessions.
4. Feedback collection and documentation.
5. Any other point with the permission of the chair.

All members are requested to attend the meeting punctually.

By Order



Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebhandara09@gmail.com Ph. No. 07184-298755
 Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur

Date :

Ref.No.:

Date: 17/01/2025

Ref: MPCE/IIC/2024-25/MOM02

Minutes of Meeting:

Date: 15/01/2025

Time: 11:00 AM

Venue: Conference Room

The second meeting of the Institution–Industry Cell for the academic year 2024–25 was conducted under the chairmanship of **Dr. Dhiraj Deshmukh**, Principal. The following members were present:

Members Present:

Name	Designation	Role
Dr. Dhiraj Deshmukh	Principal	Chairman
Dr. Hemant Hajare	Associate Professor	Member Secretary
Prof. Bharati Purusharathi	Assistant Professor	Member
Prof. Atul Vaidya	Assistant Professor	Member
Prof. Sandip Kumbhare	Assistant Professor	Member
Prof. Pramay Meshram	Assistant Professor	Member
Prof. Ajay Patil	Assistant Professor	Member
Prof. Sonal Dhargawe	Assistant Professor	Member
Prof. Nikita Radke	Assistant Professor	Member

H. Hajare
Bharati
Atul
Sandip
Pramay
Ajay
Sonal
Nikita Radke

Agenda-wise Discussions and Resolutions:

1. Review of Conducted Activities:

- One industrial visit was successfully conducted in September 2024 to Sunflag Iron & Steel, Bhandara.
- A guest lecture by Mr. Nikhil Jagtap (HR Manager, Ashok Leyland) was held in October 2024.
- Internship awareness session was conducted by the training cell.

2. Progress on MoUs:

- Initial draft of MoUs prepared with two local industries.
- Follow-up meetings scheduled in February 2025 for finalization.



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XII OF 1860 R. No. 40/66.M.S. & Charitable Act. Reg. (814) (N)

MADHUKARRAO PANDAU COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebhandara09@gmail.com Ph. No. 07184-298755
Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur



Ref.No.:

Date :

3. Second Semester Planning:

- Mini-projects aligned with industry problems will be proposed for final-year students.
- Skill enhancement sessions and soft skill training in collaboration with external trainers to be planned.

4. Feedback & Documentation:

- Feedback from students and faculty collected for industrial visit and expert lecture.
- Feedback documented and kept on record by Member Secretary.

5. Any Other Point:

- Prof. Pramay Meshram suggested hosting a local industry exhibition. The proposal will be discussed further based on budget feasibility.

The meeting concluded with thanks to the chair and appreciation of members' efforts.

(Dr. Hemant Hajare)

Member Secretary
Institution-Industry Cell

(Dr. Dhiraj Deshmukh)

Principal & Chairman
PRINCIPAL
Madhukarrao Pandau College of
Engineering, Bhilewada,
Bhandara.



Ref.No.:

Date :

Ref: MPCE/IIC/2024-25/ATR02

Date: 25/01/2025

Action Taken Report (ATR):

For the Meeting held on 15/01/2025

1. Review of Conducted Activities

Action Taken:

- Documentation was compiled and archived.
- Student feedback was analyzed; responses were largely positive.

2. MoUs and Industry Partnership Progress

Action Taken:

- Draft MoUs prepared and shared with potential industry collaborators.
- Meetings for signing are scheduled in February 2025.
- Necessary documentation for MoUs is being aligned with NAAC/IQAC formats.

3. Planning for Semester II Activities

Action Taken:

- Mini-project proposal format was shared with final-year coordinators.
- Communication initiated with industries to submit real-time problems for student projects.
- A proposal for a **skill training session** on communication and resume writing is being finalized with a local training agency.

4. Feedback & Documentation

Action Taken:

- All activity feedback forms were compiled, summarized, and filed.



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XII OF 1860 R. No. 40/66.M.S. & Charitable Act. Reg. (814) (N)

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website : www.mpceb.in E-mail : mpce@rediffmail.com, mpcebhandara09@gmail.com Ph. No. 07184-298755
Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur



Ref.No.:

Date :

- Digital copies have been uploaded to the Institution–Industry Cell folder in the college cloud drive.

5. Additional Initiative – Industry Exhibition

Action Taken:

- Prof. Pramay Meshram's proposal for a local **Industry Exhibition** was noted.
- A sub-committee was proposed to study the feasibility in terms of resources and expected outcomes.

The Institution–Industry Cell is actively progressing towards enhancing student–industry engagement through continuous collaboration and structured planning.

(Dr. Hemant Hajare)
Member Secretary
Institution–Industry Cell

(Dr. Dhiraj Deshmukh)
Principal & Chairman
PRINCIPAL
Madhukarrao Pandav College of
Engineering, Bhilewada,
Bhandara



SANMARG SHIKSHAN SANSTHA'S

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara

Accredited with NAAC 'B' Grade

Approved by AICTE, New Delhi, Gov. of Maharashtra

Affiliated to RTM Nagpur University, Nagpur



DEPARTMENT OF ELECTRICAL ENGINEERING

Date: 12/03/2025

Report on Industrial Visit to Uma Plastic

Introduction:



On dated 11/03/2025, Department of Electrical Engineering, Madhukarrao Pandav College of Engineering, Bhandara organized an industrial visit to Uma Plastic situated in Palgaon, Dist-Bhandara. The visit aimed to provide third-year Electrical Branch students with practical exposure to industrial operations and applications of their theoretical knowledge in the field of electrical engineering.

Objective:

The primary objective of the industrial visit was to acquaint students with the functioning of a plastic manufacturing industry, with a specific focus on electrical systems and their role in production processes.

Preparation:

Prior arrangements for the industrial visit were made by the college administration, including seeking permission from Uma Plastic management. A group of 30 students, accompanied by two staff members, was organized for the visit.

Visit Details:

Upon arrival at Uma Plastic, the students were warmly welcomed by the management team. The visit commenced with an introductory session, providing insights into the history, operations, and technological aspects of the plastic manufacturing industry. Subsequently, the students were guided through the manufacturing facility, where they observed various stages of plastic production, molding, and packaging.

Learning Experience:

Throughout the visit, students had the opportunity to interact with industry professionals and gain practical insights into electrical engineering applications in the manufacturing sector. They observed the functioning of electrical machinery, automation systems, and safety measures implemented within the facility.

Key Highlights:

- Observation of electrical injection molding machines and their role in plastic product manufacturing.
- Understanding of electrical control systems used to regulate temperature, pressure, and other parameters during the molding process.
- Insight into energy-efficient practices adopted by Uma Plastic to minimize operational costs and environmental impact.
- Demonstration of safety protocols and emergency procedures related to electrical equipment and machinery.

Conclusion:

The industrial visit to Uma Plastic provided an enriching learning experience for the students of Electrical Engineering Madhukarrao Pandav College of Engineering Bhandara. It enhanced their understanding of electrical engineering applications in the plastic manufacturing industry and enabled them to bridge the gap between theoretical knowledge and practical implementation.

Acknowledgment:

We extend our sincere gratitude to the management and staff of Uma Plastic for their hospitality and cooperation during the visit. Their guidance and insights significantly contributed to the success of the educational trip.

Recommendations:

Based on our visit experience, we recommend incorporating more industrial visits into the curriculum to expose students to real-life industrial scenarios and enhance their practical skills.

Submitted by:


15/03/2025

Prof. Abhishek Goswami
H.O.D.
Department of Electrical Engineering
Madhukarrao Pandav College of
Engineering, Bhilewada
Department of Electrical Engineering

Madhukarrao Pandav College of Engineering Bhilewada



SANMARG SHIKSHAN SANSTHA NAGPUR

UNDER THE SOCIETIES REGISTRATION ACT XXI OF 1860 R. NO. 40/66 M.S. & Charitable Act. Reg.(814) (N)

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website: www.mpceb.in

email: mpcebhandara09@gmail.com

Phone: 07184-298755

Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur

Industrial Visit Report



Industry Visited: COJAG SMART TECHNOLOGY PVT. LTD, NAGPUR

Date of Visit: 07 March 2025

Department: Computer Engineering

College: Madhukarrao Pandav College of Engineering (MPCOE), Bhandara

Class: Third Year & Final Year Students

1. Introduction

An industrial visit was organized for the Computer Engineering students to provide practical exposure to advanced industry practices. The main purpose of the visit was to understand how engineering concepts are applied in real-time and to experience the working environment of a professional technology company.

1. Industry Overview

COJAG Smart Technology Pvt. Ltd. is a technology-driven company known for developing smart solutions by integrating hardware, software, IoT, and automation. The company focuses on innovation, research, and practical implementation of emerging technologies, making it an ideal learning environment for engineering students.

3. Areas Observed

- Working process of technology development
- Hardware and software integration units
- IoT-based product development areas
- Testing and quality verification sections
- Research, development, and innovation departments
- Team coordination and workflow management

4. Key Learnings

- Real-time application of Computer Engineering concepts
- How hardware and software are combined for smart solutions
- Use of modern tools, technologies, and equipment
- Professional practices followed in tech companies
- Importance of teamwork, coordination, and communication
- Industry standards, safety, and proper working procedures

5. Benefits of the Visit

The visit helped students understand how theoretical knowledge is used in real-world scenarios. It enhanced their technical awareness, increased their interest in emerging technologies, and provided motivation to work on innovative engineering projects.

6. Conclusion

The industrial visit to COJAG Smart Technology Pvt. Ltd. was highly educational and beneficial. It provided meaningful exposure to industry operations, strengthened practical knowledge, and helped students gain confidence for their future academic and professional journeys.


H.O.D.

Department of Computer Engi
Madhukarrao Pandav Colle
Engineering, Bhilewada, Bh



SANMARG SHIKSHAN SANSTHA NAGPUR

UNDER THE SOCIETIES REGISTRATION ACT XXI OF 1860 R. NO. 40/66 M.S. & Charitable Act. Reg.(B14) (N)

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING

Bhilewada, Bhandara.

Website: www.mpceb.in

email: mpcebhandara09@gmail.com

Phone: 07184-298755

Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur

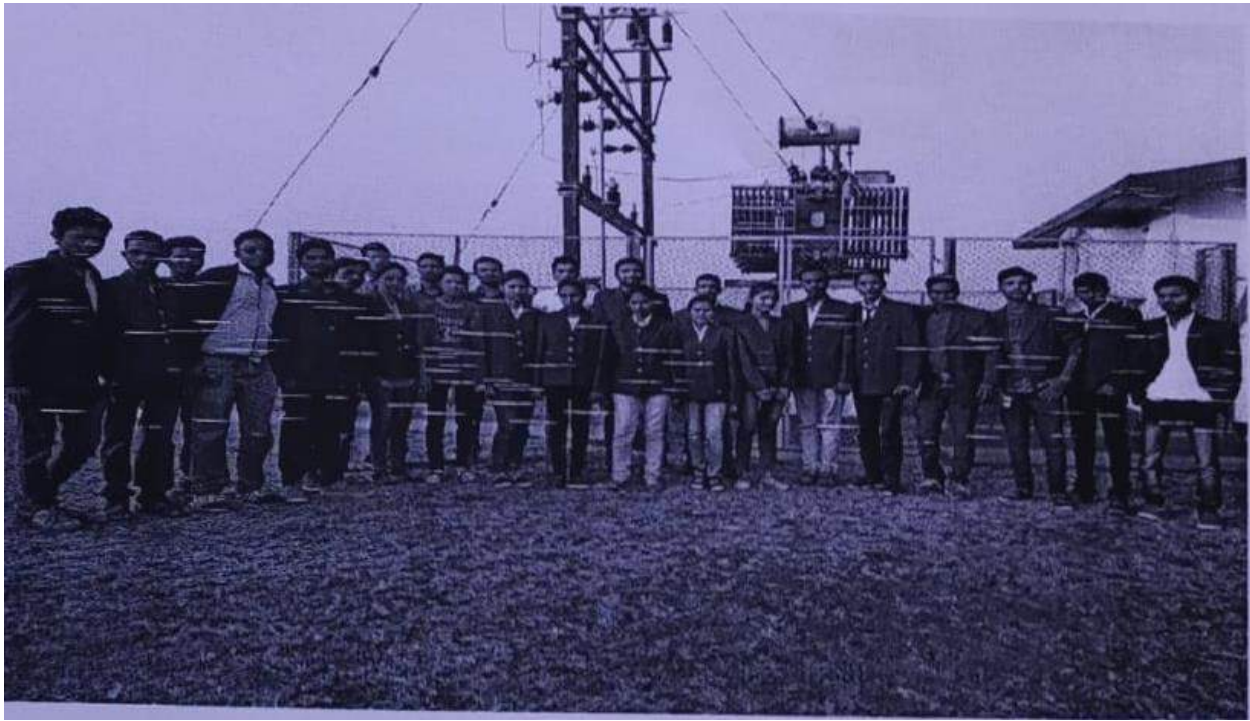


Department of Electronics & Telecommunication Engineering

Report on Industrial Visit to 2 MW Wind Power Plant, Motha, Chikhaldhara, Amravati

Introduction:

Date: 05/03/2025



On **05/03/2025**, Department of Electronics & Telecommunication Engineering Madhukarrao Pandav College of Engineering Bhandara organized an industrial visit to the 2 MW Wind Power Plant located in Motha, Chikhaldhara, District Amravati, operated by Maharashtra Energy Development Agency (MEDA). The visit aimed to provide third-year Electronics Branch students with practical exposure to renewable energy technologies and their application in power generation.

Objective:

The primary objective of the industrial visit was to familiarize students with the functioning of a wind power plant, emphasizing the role of Electronics engineering in renewable energy production.

Preparation:

Prior arrangements for the industrial visit were made by the college administration, including seeking permission from the MEDA. A group comprising 40 students along with two staff members was organized for the visit.

Visit Details:

Upon arrival at the 2 MW Wind Power Plant, the students were greeted by the MEDA staff and received a brief orientation about the plant's operations. The visit commenced with a guided tour of the facility, during which students were introduced to various components of the wind turbines, power generation process, and control systems.

Learning Experience:

The visit provided students with firsthand exposure to renewable energy technologies and their integration into the power grid. They gained practical insights into the design, operation, and maintenance of wind turbines, as well as the Electronics systems involved in converting wind energy into electrical power. Interaction with plant personnel facilitated a deeper understanding of the challenges and opportunities in the renewable energy sector.

Key Highlights:

- Observation of wind turbine installations and their functioning in harnessing wind energy.
- Understanding of electrical systems for power generation, transmission, and distribution within the wind power plant.
- Insight into the environmental benefits of wind energy and its contribution to sustainable development.
- Discussion on the role of government policies and incentives in promoting renewable energy adoption.

Conclusion:

The industrial visit to the 2 MW Wind Power Plant proved to be an enriching experience for the students of Department of Electronics & Telecommunication Engineering, Madhukarrao Pandav College of Engineering Bhandara. It enhanced their understanding of renewable energy technologies and their significance in addressing global energy challenges.


Acknowledgment:

We extend our sincere gratitude to the MEDA team for their hospitality and cooperation during the visit. Their guidance and insights greatly enriched the educational experience for our students.

Recommendations:

Based on the success of this visit, we recommend incorporating more industrial visits to renewable energy facilities into the curriculum to inspire students and foster their interest in sustainable engineering practices.

Submitted by:


Prof. Gitanjali Jichkar
HOD
Department of Electronics & Telecommunication Engineering
Madhukarrao Pandav College Of
Engineering, Bhilewada
Department of Electronics & Telecommunication Engineering
Madhukarrao Pandav College of Engineering,
Bhilewada



SANMARG SHIKSHAN SANSTHA NAGPUR
UNDER THE SOCIETIES REGISTRATION ACT XXI OF 1860 R. NO. 40/66 M.S. & Charitable Act. Reg.(814) (N)

MADHUKARRAO PANDAV COLLEGE OF ENGINEERING
Bhilewada, Bhandara.

Website: www.mpceb.in email: mpcebhandara09@gmail.com Phone: 07184-298755

Approved by AICTE, DTE, Govt. of Maharashtra, Affiliated to RTM Nagpur University, Nagpur



Department of Electronics & Telecommunication Engineering

Report on Industrial Visit to Hindustan Composite Limited

Introduction:

Date: 13/02/2025



On **13/02/2025**, Department of Electronics & Telecommunication Engineering Madhukarrao Pandav College of Engineering Bhilewada organized an industrial visit to Hindustan Composite Limited situated in MIDC, Gadegaon, Bhandara. The visit aimed to provide practical exposure to third-year Electronics Branch students regarding industrial operations and the application of theoretical knowledge in real-world scenarios.

Preparation:

The college administration made necessary arrangements for the visit, including seeking permission from Hindustan Composite Limited . A group comprising 29 students along with two staff members was organized for the visit.

Objectives: The visit aimed to:

- Offer students practical insights into industrial operations within a manufacturing setting. Provide a platform for students to observe and understand the integration of Electronics systems in industrial processes.
- Bridge the gap between theoretical knowledge and its practical application in the industry.

Learning Experience:

Students engaged in interactive sessions and discussions with industry professionals, gaining insights into real-world challenges and solutions. They observed the functioning of Electronics machinery, automation systems, and safety protocols, thereby reinforcing theoretical concepts learned in the classroom.

Key Highlights:

1. Observation of advanced Electronics control systems optimizing manufacturing processes.
2. Understanding of safety measures and protocols associated with Electronics equipment operation.
3. Exposure to innovative technologies driving efficiency and sustainability in manufacturing operations.

Conclusion:

The industrial visit to Hindustan Composite Limited significantly enhanced students' understanding of Electronics engineering in the manufacturing domain. It served as a catalyst for bridging the gap between theoretical knowledge and its practical application in an industrial setting.

Acknowledgment: Gratitude is extended to the entire team at Hindustan Composite Limited for their hospitality, cooperation, and valuable insights shared during the visit, which enriched the educational experience for our students.

Recommendations: Building upon the success of this visit, it is recommended to incorporate regular industrial visits into the curriculum. This initiative will provide students with diverse exposure to industrial environments and foster the development of practical skills essential for their professional growth.

Submitted by:



Prof. Gitanjali Jichkar

HOD
H.O.D

Department of Electronics & Telecor

Madhukarrao Pandav College Of

Department of Electronics & Telecommunication Engineering
Engineering, Bhandara

Madhukarrao Pandav College of Engineering,
Bhilewada