

GOVERNMENT POLYTECHNIC NANDED

PRODUCTION ENGINEERING DEPARTMENT

NEWSLETTER 2023-24

Vision and Mission of the Department

VISION

To become a nationally acclaimed centre for promoting entrepreneurship to diploma production engineers and provide need based services to society and skilled manpower to industry.

MISSION

- Quality education to be provided to the students along with enhancement of their skills to make competitive production engineers.
- To augment skill sets to fulfil industrial needs and promote entrepreneurship.
- Foster, create and develop capacity among students to use optimal set of resources to provide services to society.

From the Editor's Desk

Greetings!

We are delighted to present the **Production Engineering Department's Newsletter** for the academic year 2023-24. This newsletter serves as a platform to share departmental updates, student achievements, and upcoming events. It reflects the vibrant and dynamic environment that drives both academic and extracurricular activities within our department.

Stay tuned for exciting developments, research projects, and industry collaborations happening throughout the year.

Mr. S. M. Kandhare

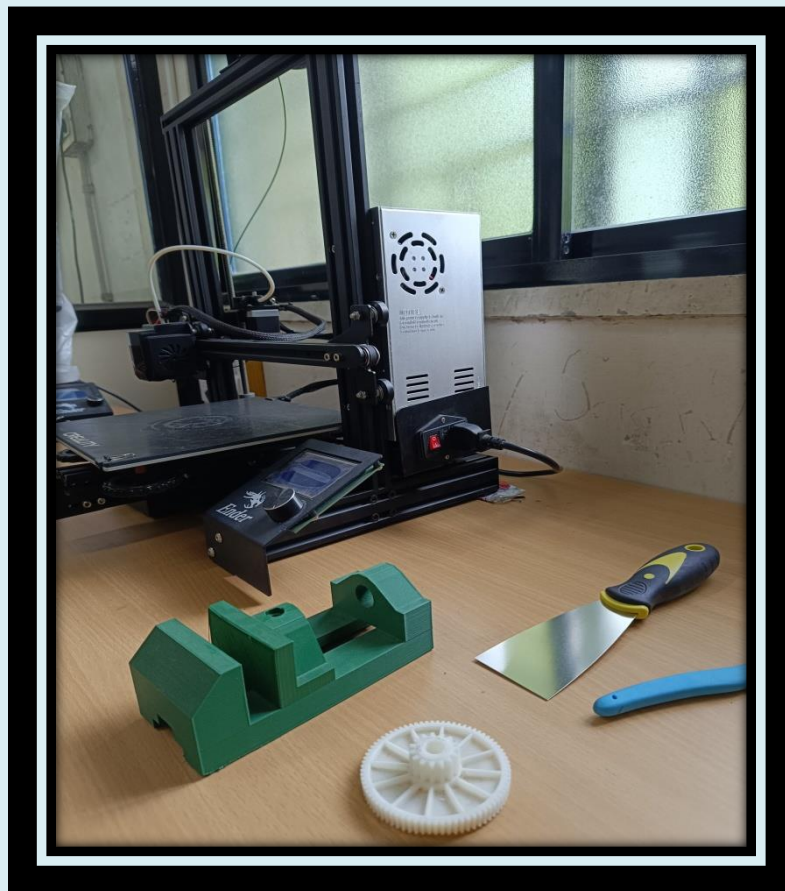
Editor-in-Chief

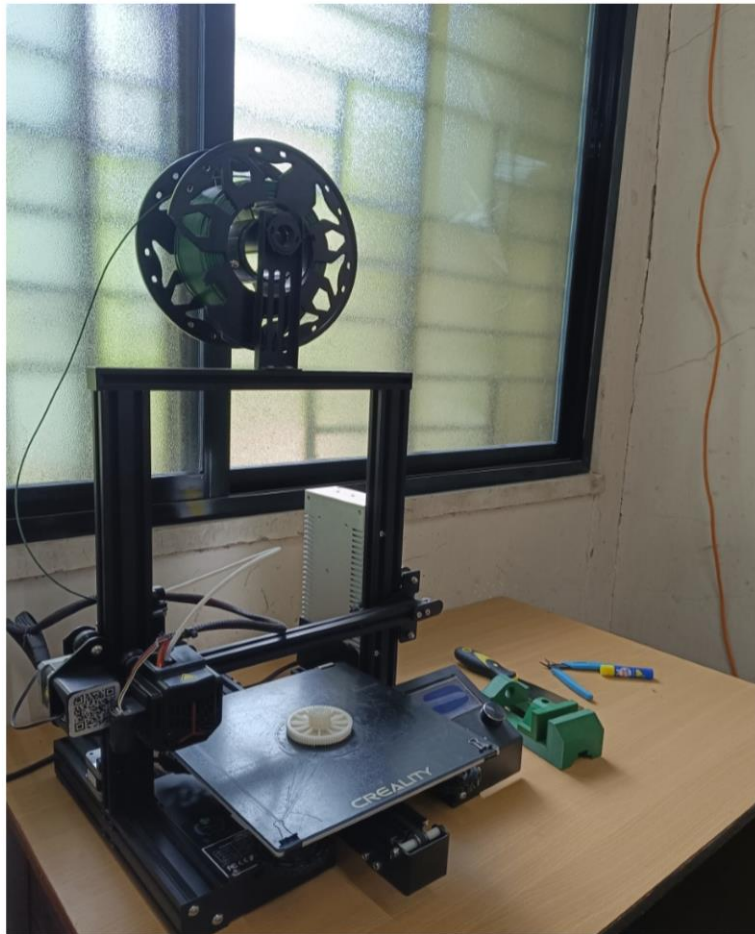
Head of the Department

Departmental Updates

1. New Equipment in CAD/CAM Lab

We are excited to announce the installation of a state-of-the-art **3D printing machine** in our CAD/CAM lab. This advanced equipment will greatly enhance the practical training of our students, allowing them to experience **additive manufacturing** firsthand. With this new 3D printer, students will be able to design, prototype, and fabricate complex parts, gaining valuable insights into modern manufacturing techniques such as **rapid prototyping** and **customized production**. This addition aligns with current industry standards, equipping our students with the skills needed to thrive in the evolving world of **smart manufacturing**.





2. Alumni Meet 2023

The Alumni Meet 2023 was a memorable event where former students of the Production Engineering Department reconnected with the institute, faculty, and current students. Held in December, the meet saw participation from alumni across various industries, sharing their professional experiences and insights into the evolving field of production engineering. Their success stories served as an inspiration for current students, while discussions on industry trends and career guidance provided valuable takeaways. The event fostered strong networking opportunities and reinforced the lasting bond between alumni and the department.



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ALUMNI MEET 2023



Honorary guest Principal SARWADNYA sir addressed the fellow alumni



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ALUMNI MEET 2023



Alumni shared their experience, achievement and gave valuable feedback



3. MoU Signed with Industry Partners

The department has signed a **Memorandum of Understanding (MoU)** with **4 renowned industries of Nanded area** to collaborate on projects related to **Industry 4.0** and smart manufacturing and also for Industrial training. This partnership will provide students with exposure to cutting-edge technologies and facilitate internships and industry-driven projects. Following is the list of MoUs.



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PRODUCTION ENGINEERING DEPARTMENT

MOU with Industry

| Sr. No | Name of Industry | Valid | |
|--------|--|----------|----------|
| | | From | To |
| 01 | Supreme gold irrigation ltd, Nanded | 09/09/21 | 09/09/24 |
| 02 | Ninad agro plast ltd.MIDC, Nanded | 09/09/21 | 09/09/24 |
| 03 | Shiur sakhar kakhana ltd, Kalamnuri, Hingoli | 09/09/21 | 09/09/24 |
| 04 | Shri Subhash sugar pvt ltd, Hadgaon | 09/09/21 | 09/09/24 |

In charge Head, Deptt.
Govt. Polytechnic, Nanded
Production Engineering Department
Government polytechnic, Nanded

Student Achievements

1. First Prize in State level Technical Poster Presentation

Our third-year student, **Sanika Gutte**, got first prize in the **State level Technical Poster Presentation** organized by Indira Institute of Technology Nanded. The poster presentation theme areas like manufacturing systems, automation, and lean production techniques.



2. Internship Success Stories

Many students successfully completed their internships at prestigious companies like **Bhaurao Sugar Factory Gundegaon, Supreme Gold Cidco Nanded, etc.** They worked on live production projects, gaining valuable hands-on experience in modern manufacturing environments.

3. Toppers Felicitation of 2022-23 Batch

In recognition of academic excellence, the Production Engineering Department hosted a special Toppers Felicitation Ceremony for the academic year 2022-23 . This event celebrated the hard work, dedication, and outstanding achievements of our students who excelled in their respective exams.

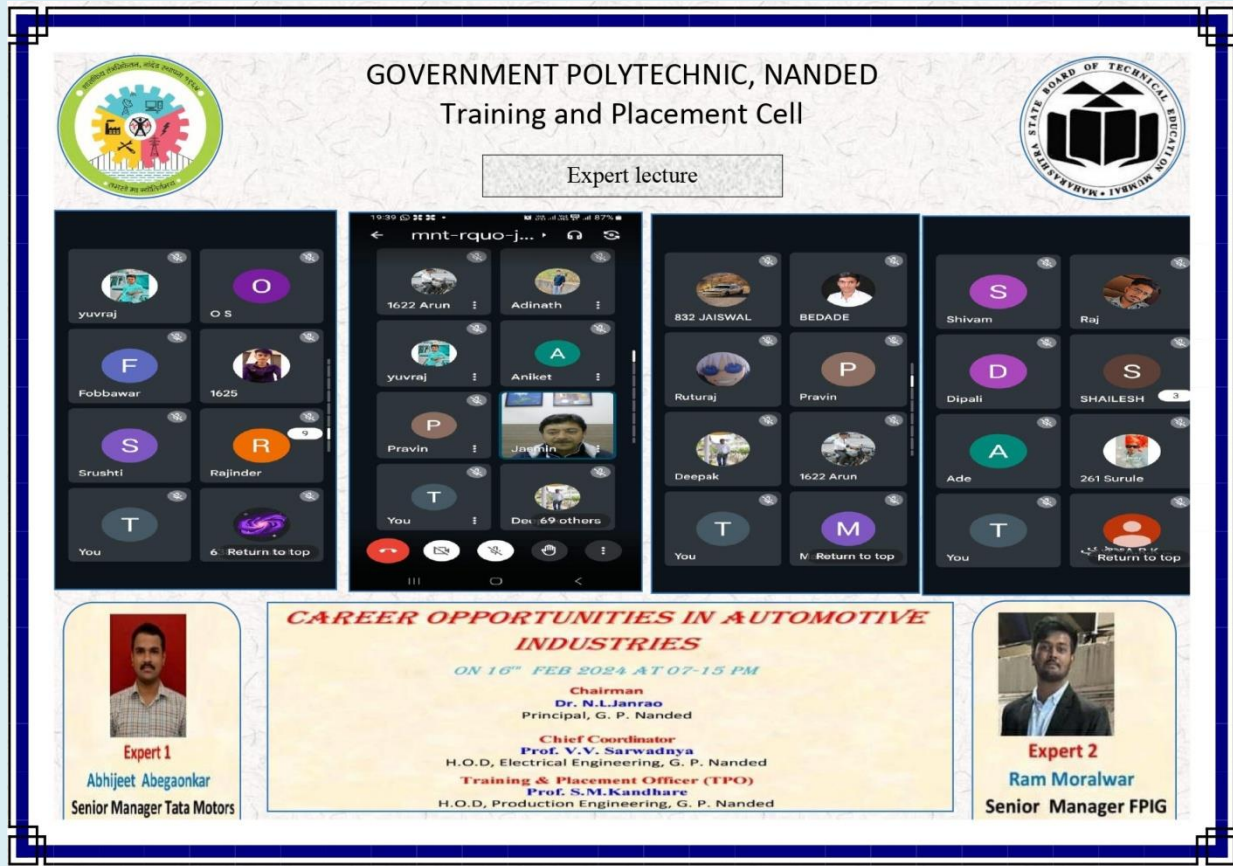


Guest Lectures and Workshops

1. Career Opportunities in Automotive Industries

The Production Engineering Department recently hosted an insightful guest lecture on "Career Opportunities in Automotive Industries", delivered by **Mr. Abhijit Abegaonkar**, Senior Manager at **Tata Motors, Pune**. The session provided students with a comprehensive overview of the various career paths in the automotive sector, including roles in production, design, quality control, and automation. Mr. Abegaonkar also discussed the latest industry trends, the importance of upskilling, and how emerging technologies like electric vehicles and automation are shaping the future of the automotive industry. The interactive session concluded with valuable advice on how to build a successful career in this dynamic field.





2. Guest Lecture: Emerging Manufacturing Trends

The **Production Engineering Department** recently hosted an enlightening guest lecture on "**Emerging Manufacturing Trends**", delivered by **Dr. B. Apurva Kulkarni**, a renowned expert in advanced manufacturing technologies. The session explored key advancements in the field, including **industrial automation**, **smart factories**, **additive manufacturing**, and the integration of **artificial intelligence (AI)** in modern production processes.

Dr. Kulkarni provided valuable insights into how **automation** and **AI** are revolutionizing production efficiency, reducing human error, and enabling real-time decision-making in **smart factories**. He also highlighted the growing importance of **additive manufacturing** (3D printing) in creating complex, customized products with minimal waste. Students

gained a deep understanding of how these trends are shaping the future of manufacturing and the skills required to thrive in this evolving landscape.

The session concluded with an engaging Q&A, where Dr. Kulkarni emphasized the need for continuous learning and adaptability in today's rapidly advancing industrial environment.



3. Guest Lecture: Career Opportunities in Software Industries

The **Production Engineering Department** hosted a guest lecture on "**Career Opportunities in Software Industries**", presented by **Mr. Rohan Deshmukh**, a software industry expert. Mr. Deshmukh discussed key career paths in **software development, data analytics, AI, cloud computing, and cybersecurity**. He highlighted the growing demand for skilled professionals and how emerging technologies are transforming industries. The session concluded with practical advice on upskilling and adapting to the fast-paced changes in the software field, providing students with valuable insights into building successful careers.



Online/Offline Expert Lectures Conducted AY 2023-24

| EXPERT NAME | DATE | TOPIC OF LECTURE |
|--|------------|--|
| Mr. Shailendra Goje ICICI Foundation | 21/08/2023 | Practical Banking & Mudra Loan for Startup |
| Mr. Rohan R. Deshmukh Senior Research Analyst Allscript Pune | 10/10/2023 | Career opportunities in Software Industries |
| Mr. Prathmesh Mandlik Software Engineer Better Place safety solution Bangaluru (2014 Alumni) | 08/08/2023 | Application of Software Languages in IT Sector |
| Mr. Anil Pimpladhare Entrepreneur (2009 Alumni) | 21/10/2023 | Entrepreneurial opportunity at local level. |
| Dr. Apurva Kulkarni CEO, CELEGRA Nanded | 23/11/2023 | Emerging Manufacturing Trends include industrial automation, smart factories, additive manufacturing and artificial intelligence (AI). |

Alumni Spotlight

In this edition, we highlight the achievements of our alumnus **Mr. Vaijnath Karkhede**, who is currently working as a **Production Manager at Force Motors Pune**. He recently led a project that reduced lead times in the assembly line by 15%, significantly boosting overall productivity. Mr. Vaijnath Karkhede also interacted with current students during the **expert lecture**, offering career guidance and sharing his experiences in the industry.

Words of Wisdom

“The production process is not just about machines and materials; it’s about creating value and driving innovation.”

— **Mr. Vaijnath Karkhede**, Production Engineer at **Force Motors Pune** (Alumnus, Batch of 2014)

Departmental Other Activities

1. Blood Donation Camp

The **Production Engineering Department** successfully organized a **Blood Donation Camp** on **15/09/2023**, in collaboration with the local health authorities. This event aimed to raise awareness about the importance of blood donation and contribute to saving lives. Faculty members, students, and staff enthusiastically participated in the camp, donating blood to support the local blood banks and healthcare institutions. The camp saw an overwhelming response, with a significant number of donors coming forward to contribute to this noble cause. The department takes pride in its commitment to social responsibility and is grateful to everyone who participated and helped make the event a success.



2. Department Cleaning Drive

The **Production Engineering Department** conducted a **Department Cleaning Drive** on **1st Oct 2023**, with the active participation of students, faculty, and staff. The initiative was aimed at promoting cleanliness and a healthy environment within the department premises. Participants worked together to clean classrooms, laboratories, and common areas, ensuring a neat and organized workspace. The drive not only enhanced the aesthetic appeal of the department but also instilled a sense of responsibility among students towards maintaining cleanliness and hygiene. The department plans to make this a regular activity to continue fostering a clean and productive learning environment.





3. Industrial Visits

The **Production Engineering Department** organized multiple **industrial visits** this year to leading companies like **Urvi Steel, Shantidot and MSRTC Workshop**. These visits provided students with valuable insights into real-world manufacturing processes, automation, and quality control systems. The hands-on exposure to cutting-edge technologies helped bridge the gap between classroom learning and industry practices, enhancing the students' practical knowledge and understanding of modern production environments.



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Production Engineering Department



URVI STEEL, KUSHNOOR MIDC



INDUSTRIAL VISIT ON 13 JAN 2024



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Production Engineering Department



SHANTIDOOT INDUSTRY, KUSHNOOR MIDC



INDUSTRIAL VISIT ON 13 JAN 2024



4. Institute-Level Aptitude Exam

The Production Engineering Department successfully conducted an **Institute-Level Aptitude Exam** for students across all departments on **29/02/2024**. The exam aimed to assess and enhance students' problem-solving skills, logical reasoning, and quantitative aptitude—essential competencies for placements and competitive exams. The event saw enthusiastic participation, with top performers being recognized and awarded certificates. This initiative was designed to help students sharpen their analytical skills and prepare them for future career opportunities.



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Production Engineering Department



PRODTUDE-24

INSTITUTE LEVEL APTITUDE EXAM



organised by PG Dept on 29/02/2024 at 4 pm



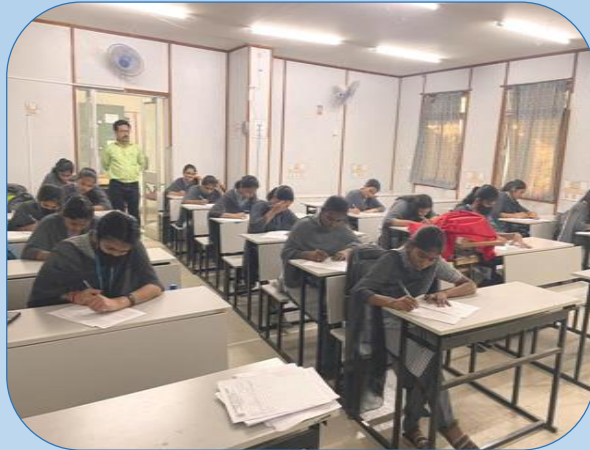
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PRODTUDE-24

INSTITUTE LEVEL APTITUDE EXAM



organised by PG Dept on 29/02/2024 at 4 pm

We hope you enjoy reading this issue of the **Production Engineering Newsletter**. Stays connected with the department, and keep pushing the boundaries of what's possible in the world of manufacturing and production.

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