

# **GOVERNMENT POLYTECHNIC NANDED**

## **PRODUCTION ENGINEERING DEPARTMENT**

### **NEWSLETTER 2021-22**

#### **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 2021-22. 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

## Expert Lectures

| AY 2021-22 |  |            |   |
|------------|--|------------|---|
| 1          | Mr. Gaurav Deshpande<br>Production Engineer, Garware<br>Polymer Pvt. Ltd. Aurangabad | 07/03/2022 | Career Opportunities for<br>Production Engineer in<br>Industries                            |
| 2          | Mr. Suraj kumar Humbe<br>Ass Technical Officer<br>CIPET, Bhopal                      | 14-12-2021 | Talk on various skills required<br>for Production Engineer.                                 |
| 3          | Mr. Nagesh Joshi (ITA) (TCS pune)<br>(2006 Alumni)                                   | 22/02/2022 | Lecture on present scenario of<br>production industries and role<br>of production engineer. |

### 1. Expert Lecture: Career Opportunities for Production Engineers in Industries

On **7th March 2022**, the **Production Engineering Department** organized an expert lecture on "**Career Opportunities for Production Engineers in Industries**", delivered by **Mr. Gaurav Deshpande**, a seasoned industry professional. During the session, Mr. Deshpande highlighted various career paths available to production engineers in sectors such as **manufacturing, automation, quality control**, and **supply chain management**. He provided practical insights into industry expectations, emerging trends, and the skills needed to succeed in today's competitive job market. The lecture was highly informative and motivated students to explore diverse opportunities in the field of production engineering.

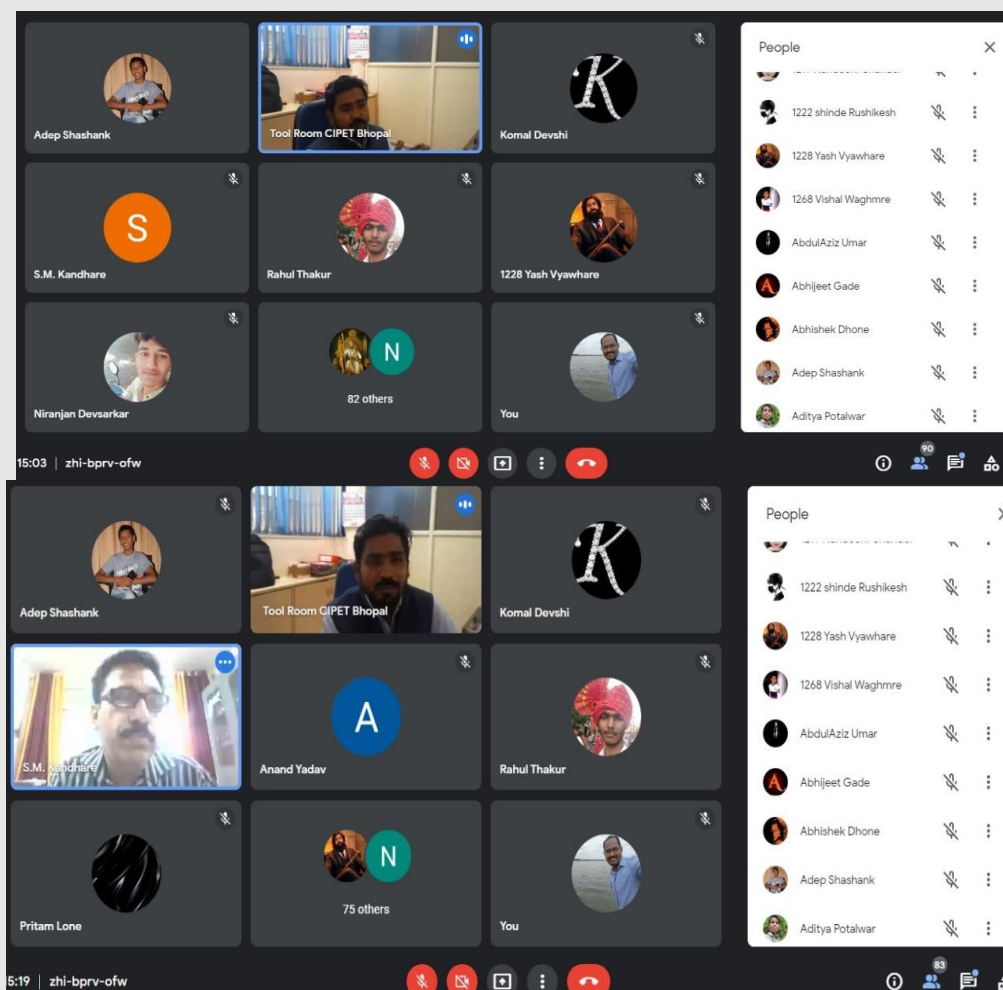




## 2. **Expert Lecture: Career Opportunities After Diploma in Various Fields**

The **Production Engineering Department** hosted an expert lecture on **14th December 2021**, delivered by **Mr. Surajkumar Humbe**, Assistant Technical Officer at **CIPET Bhopal**, via online mode. The lecture focused on "**Career Opportunities After Diploma in Various Fields**", providing students with insights into a wide range of career paths available after completing their diploma. Mr. Humbe discussed opportunities in

industries such as **plastics technology, manufacturing, quality control, and tool design**, along with options for higher studies and entrepreneurship. The session was highly engaging and offered valuable guidance for students planning their career trajectory post-diploma.





## Social Activity: Tree Plantation on Guru Poornima

On 24th July 2021, the **Production Engineering Department** organized a **Tree Plantation Drive** on the occasion of **Guru Poornima** at the college campus. The event aimed to promote environmental awareness and sustainability. Faculty members, students, and staff actively participated in planting saplings across the campus, contributing to a greener and healthier environment. This initiative not only honored the tradition of Guru Poornima by showing respect for nature but also reinforced the department's commitment to social and environmental responsibility. The event was a great success, with many saplings planted to benefit future generations.





### **Social Activity: Blood Donation by Faculty**

On **15th August 2021**, the **faculty members** of the **Production Engineering Department** participated in a **Blood Donation Camp** to mark the celebration of **Independence Day**. This noble initiative was aimed at contributing to the community by supporting local blood banks and healthcare institutions. Faculty members came forward to donate blood, setting an inspiring example of social responsibility. The event highlighted the department's commitment to serving society and promoting humanitarian values, making it a meaningful way to celebrate the nation's independence.







## Tree Plantation Drive (College Level)

On 7th August 2021, a **Tree Plantation Drive** was organized at the **college level**, with active participation from students, faculty, and staff. The event aimed at enhancing the greenery on campus and promoting environmental consciousness. Numerous saplings were planted in various locations around the campus, contributing to a cleaner and greener environment. This initiative was part of the college's ongoing efforts to support sustainability and create a healthy, eco-friendly atmosphere for future generations.



## Industrial Visits

| AY 2021-22 |          |  |             |
|------------|----------|--|-------------|
| 1          | 22/04/22 | Bhaurao Sugar Factory Yelegaon Nanded        | PG3I & PG5I |
| 2          | 22/04/22 | Shreeram Moulding Works, Cidco<br>Nanded     | PG3I & PG5I |
| 3          | 22/04/22 | Supreme Gold Pvt. Ltd. Gundegaon<br>Nanded   | PG3I & PG5I |
| 4          | 22/04/22 | Ninad Agrofarm Pvt. Ltd. Gundegaon<br>Nanded | PG3I & PG5I |

### Industrial Visit 2021-22

Industrial visit is considered as one of the most effective tactical methods of teaching. Students visit the industry offer a great source of industry exposure to the student where they can correlate their actual learning with the real environment. It is also a very good opportunity for understanding various new technologies.

Production Engineering Department always encourages students for industrial exposure by Visit .it is the mandatory part of the course. Industries are also welcome our students for the same. Visits are arranged by taking proper safety measures.







**Bhaurao Chavan Sahkari Sakhar Karkhana Ltd.**

**Degaon-Yelegaon in Ardhapur Taluka, Dist. Nanded in Maharashtra State**



## **Industrial Visit 2021-22**

Industrial visit has its own importance in a career of a student who is pursuing a Production Engineering Department. The main objective of industrial visit is to provide students an insight regarding internal working of companies. With an aim to go beyond academics.



### **Supreme Gold**

B-3/2, Midc, Industrial Area, MIDC Nandad, Nanded, Maharashtra 431603

### **Industrial Visit 2021-22**

Industrial visits are an essential part of the Production Engineering Department academic curriculum in most of the Diploma Engineer Being a part of interactive learning; such educational visits give students a major exposure to real working environments along with a practical perspective of a theoretical concept relevant to their domain.



### **Shriram Moulding Industries**

Midc, Industrial Area, MIDC Nandad, Nanded, Maharashtra 431603

## Participation in inter-institute / state/national events by students

| AY 2021-22 |                              |             |                 |         |                              |                                       |                   |
|------------|------------------------------|-------------|-----------------|---------|------------------------------|---------------------------------------|-------------------|
| Sr. No.    | Name of Event                | level       | Venue           | Year    | Competition Name             | Name of Student                       | Prize Achievement |
| 1          | E-Quiz competition           | State Level | Nanded          | 2021-22 | PRODTEC H-2022               | Akash Vishwakarma<br>Snehal Mahamune  | First Prize       |
| 2          | Technical paper presentation | State Level | G P. Gadchiroli | 2021-22 | Technical paper presentation | Akash Vishwakarma,<br>Snehal Mahamune | First Prize       |

## Final Year Project: Fire Fighting Robot

A team of final-year students from the **Production Engineering Department** developed an innovative project titled "**Fire Fighting Robot**". This robot is designed to autonomously detect and extinguish fires, making it a valuable tool for emergency situations, particularly in hazardous environments. Equipped with **sensors** to detect flames and a **water spray system**, the robot can navigate through obstacles and reach fire-prone areas quickly. The project demonstrated the students' skills in **robotics**, **automation**, and **mechanical design**, while also addressing a critical real-world safety need. The Fire Fighting Robot was well-received during project exhibitions and stands as a testament to the students' creativity and technical abilities.





**Fire Fighting Robot- a Final Year Project Batch-2021-22**

### **Student Achievement: First Prize in State-Level Technical Presentation**

We are proud to announce that **Akash** and **Snehal**, final-year students from the **Production Engineering Department**, won **first prize** in the **State-Level Technical Presentation** competition. Their presentation showcased innovative ideas and in-depth research, impressing the judges with its clarity, technical depth, and practical relevance. This achievement highlights their hard work, dedication, and technical expertise, bringing pride to the department and inspiring their peers. Congratulations to Akash and Snehal for their outstanding accomplishment!



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.

**Editorial Team:**

- **Chief Editor:** Mr. S. M. Kandhare
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- **Faculty Advisors:** D G Chavan, R D Gedekar, M M Meshram and S R Deshmukh