



JAGDAMBA EDUCATION SOCIETY'S  
**SANTOSH N. DARADE POLYTECHNIC, YEOLA**  
APPROVED BY- AICTE, NEW DELHI DTE MUMBAI, AFFILIATED  
TO MSBTE MUMBAI

DEPARTMENT OF MECHANICAL ENGINEERING

# NEWS LETTER 2022-23



Hon. Shree. Rupesh L. Darade  
(Director, Jagdamba Education Society)



Prof. Jadhav U.B.  
(Principal, S. N. D. Polytechnic, Babhulgaon)



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**TO MSBTE MUMBAI**

## **INSTITUTE VISION MISSION**

### **VISION STATEMENT**

- To create and maintain learning environment to produce technocrat who will serve the industry and society with their knowledge and skill.

### **MISSION STATEMENT**

- M1: To impart technical knowledge to satisfy industry and society need.
- M2: To inculcate habit of life long learning to cope-up with changing technology.
- M3: To empower diploma engineers for social progress with ethical values.
-





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## **DEPARTMENT VISION MISSION**

### **VISION STATEMENT**

- To create and maintain learning environment to produce diploma mechanical technocrat who will serve the industry & society with their knowledge and skill.

### **MISSION STATEMENT**

- M1 – To Impart mechanical engineering knowledge to satisfy industry & society need.
- M2 – To inculcate habit to mechanical engineer for lifelong learning to cope up with changing technology.
- M3 – To empower mechanical engineers for social progress with ethical values.



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## MESSEGE FROM PRINCIPAL DESK



**PROF. JADHAV U.B.**

Principal, S.N.D. Polytechnic,  
Babhulgaon

We at S.N.D. Polytechnic continuously strive to impart Quality Education along with high ethical and moral values which enable us, not only to mold our student as successful diploma engineers but also as disciplined citizens of our Nation. Also, we continuously upgrade and maintain world-class infrastructure keeping pace with the rapid technological developments. S.N.D. Polytechnic is one of the best polytechnics of the region, imparting quality education to its students, with special emphasis on personality development. Participation in competitions, industrial training & visits are regular features of college and are financially supported by the college.

Life at the campus is hectic with college theory and skill tests, semester examinations, practical submissions, co-curricular & extracurricular activities. The students are initially baffled but guidance from teachers gradually makes students confident and relaxed. The raw and unpolished students entering the college leave as confident and self-assured diploma holders. Of course, a lot of hard work goes behind this transition as they say a gem cannot be polished without friction, nor a man perfected without trials. We believe truly that quality education is a necessary precondition for a better world and pledge with efforts to ensure that our Polytechnic will meet all your children's needs in well-equipped, well-resourced and well-staffed campuses that are essential in the quality of the education they provide. We take pride in our commitment to offer programmers that draw on research and best practice as well as acting with the wealth of knowledge and experience of our competent faculty. Together, we aim to create a relevant, engaging and challenging educational experience for all our students.

**PROF. JADHAV U.B.**

Principal, S.N.D. Polytechnic, Babhulgaon





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## MESSEGE FROM HOD



**PROF. RAJANKAR S.R.**

**HOD (ME)**

Welcome to the website of the Department of Mechanical Engineering, Santosh N. Darade Polytechnic, Yeola. From the establishment of this institution, our primary goal for diploma students is to train future leaders with quality Oriented engineering education. Our Qualified faculty always tries to the students developments in Mechanical Engineering working drawing, Industrial fluid power, measurement & control, CNC, Design Engineering, Thermal Engineering, Refrigeration & air conditioning, Power Plant Engineering, Renewable Energy Sources, Manufacturing Processes etc.

Our vision is to make competent mechanical engineer for industry, higher education and able to develop as entrepreneur. We always tries to provide platform to the students towards attaining quality education in mechanical engineering to develop basic skills which are required to develop diploma engineers for serving national and international industries.

Also we provide the student's academic environment, leadership and ethical guidelines and lifelong learning needed for long productive career.

**PROF. RAJAKAR S.R**  
Head of the Department



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## DEPARTMENT FACULTY DETAILS

### Teaching Staff

SR NO	NAME OF STAFF	DESIGNATION
1	MR. RAJANKAR S.R.	HOD
2	MR. TAKSANDE R.V.	LECTURER
3	MR. BHONGALE S.B..	LECTURER
4	MR. ASUDE S.R.	LECTURER
5	MR. GORE P.R.	LECTURER
6	MR. BHAGWAT S.N..	LECTURER
7	MR. KHOKALE K.V.	LECTURER
8	MR. MAKUNE S.M.	LECTURER
9	MR. SHIRSATH.	LECTURER
10	MS. KHAIRE P.A.	LECTURER
11	MR.BOLIJ N.K.	LECTURER
12	MR.BARDE A.B	LECTURER
13	MR.MULANI K.D	LECTURER
14	MR. SAYYEDN R.S..	LECTURER





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## DEPARTMENT FACULTY DETAILS

### Non Teaching Staff

SR NO	NAME OF STAFF	DESIGNATION
13	Mr. Tiwari A.R.	Workshop Instructor
14	Mr. Lahre P.M	Technical Assistant
15	Mr. Gawali D.Y.	Instructor



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## TECHNICAL TOUCH

### 1. DESIGN & DRAFTING (PRODUCT & MACHINE DESIGN)

#### WHY IS IT IMPORTANT?

MECHANICAL ENGINEERS MUST BE ABLE TO DESIGN MACHINE PARTS, TOOLS, AND PRODUCTS USING SPECIALIZED SOFTWARE.

#### KEY SKILLS & SOFTWARE:

AUTOCAD – 2D & 3D DRAFTING FOR MECHANICAL COMPONENTS.

SOLIDWORKS – 3D MODELING, SHEET METAL DESIGN, AND ASSEMBLY.

CATIA – ADVANCED 3D MODELING FOR AEROSPACE AND AUTOMOTIVE INDUSTRIES.

FUSION 360 – CLOUD-BASED 3D CAD FOR RAPID PROTOTYPING.

#### PRACTICAL APPLICATIONS:

DESIGNING MACHINE COMPONENTS LIKE GEARS, SHAFTS, AND BEARINGS.

CREATING BLUEPRINTS FOR MANUFACTURING AND ASSEMBLY.

### 2. MANUFACTURING & PRODUCTION

#### WHY IS IT IMPORTANT?

IT INVOLVES UNDERSTANDING HOW PRODUCTS ARE MADE USING MACHINES AND TOOLS.

#### KEY SKILLS & CONCEPTS:

CNC PROGRAMMING – WRITING G-CODE & M-CODE FOR AUTOMATED MACHINING.

3D PRINTING (ADDITIVE MANUFACTURING) – PROTOTYPING USING PLASTICS & METALS.

WELDING TECHNOLOGY – MIG, TIG, AND ARC WELDING TECHNIQUES.

INJECTION MOLDING – USED IN PLASTIC COMPONENT MANUFACTURING.

#### PRACTICAL APPLICATIONS:

PRODUCING AUTOMOBILE PARTS, TOOLS, AND INDUSTRIAL COMPONENTS.

MANUFACTURING PLASTIC & METAL PARTS USING CNC AND 3D PRINTING.

### 3. AUTOMOBILE & ROBOTICS

#### WHY IS IT IMPORTANT?

MECHANICAL ENGINEERS WORK IN THE AUTOMOTIVE AND AUTOMATION SECTORS. UNDERSTANDING VEHICLE MECHANICS AND ROBOTICS IS CRUCIAL.

#### KEY SKILLS & CONCEPTS:

ELECTRIC VEHICLES (EV) TECHNOLOGY – BATTERY SYSTEMS, MOTORS, AND CONTROLLERS.

AUTOMOBILE ENGINE MECHANISMS – IC ENGINES, TRANSMISSION SYSTEMS.

MECHATRONICS & ROBOTICS – INTEGRATION OF MECHANICAL AND ELECTRONIC SYSTEMS.

HYDRAULICS & PNEUMATICS – USED IN VEHICLE BRAKING & AUTOMATION.

#### PRACTICAL APPLICATIONS:

WORKING IN AUTOMOBILE COMPANIES FOR VEHICLE DESIGN & MAINTENANCE.

USING ROBOTS FOR AUTOMATED MANUFACTURING & ASSEMBLY.





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## PAPER PUBLISHED BY FACULTY





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## PAPER PUBLISHED BY STUDENTS







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## LET'S TALK WITH ALUMNI

**Name:** Kadam Mahesh Kantaram

**Bathch:** Diploma in Mechanical Engineering, 2022-23

**Current Position:** Bajaj Auto PVT, LTD, Aurangabad

"Reflecting on my diploma journey in mechanical engineering, I realize how foundational it was in shaping my career. The program provided a strong balance between theoretical knowledge and hands-on experience. One of my most memorable moments was working on lathe machines for the first time—it truly felt like stepping into the world of innovation.

The industrial training sessions and site visits organized by the department gave me real-world exposure to the manufacturing sector. Now, as a Production Engineer, I oversee the manufacturing processes of automotive components, ensuring efficiency and quality. The project management skills and technical expertise I developed during my diploma have been instrumental in my professional growth.

To current students, my advice is simple: actively engage in workshops, embrace practical learning, and stay updated with advancements like automation and additive manufacturing. The industry is evolving rapidly, and keeping up with new technologies will give you a competitive edge."

**Name:** Shinde Bhagwat Arun

**Bathch:** Diploma in Mechanical Engineering, 2016

**Current Position:** L&T Defense, Pune

"During my time in the Mechanical Engineering Department, I gained valuable insights into teamwork, discipline, and problem-solving—skills that continue to serve me well in my career. The opportunity to work on real-time maintenance projects during my diploma helped me discover my passion for ensuring machinery operates efficiently.

Hands-on training in labs and workshops was a game-changer, allowing me to develop troubleshooting skills that are now essential in my role as a Maintenance Engineer. Working in industries such as Global Steel Industries has given me deep exposure to machinery maintenance, minimizing downtime, and implementing preventive maintenance strategies. The knowledge I acquired in machine design and thermodynamics during my diploma has been invaluable in addressing complex mechanical challenges.

To students aspiring for a successful career in mechanical engineering, my advice is to build a strong technical foundation while also focusing on essential soft skills like communication and teamwork. Engineering isn't just about machines—it's also about collaborating with people, and mastering both aspects will set you up for success."





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## EXPERT TALKS



## Career Opportunities





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## STUDENTS ACTIVITY





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## OUR TOPERS

### SECOND YEAR

Sr. NO	Name	Percentage
01	Pathan Sajid Shabbir	75.37%
02	Datkhile Suraj Shankar	73.25%
03	Tile Shivanand Kailas	72.75%

### THIRD YEAR

Sr. NO	Name	Percentage
01	Shitole Ganesh Bhaskar	84.22%
02	Shinde Bhagwat Arjun	82.33%
03	Pansare Yogesh Anna	79.44%

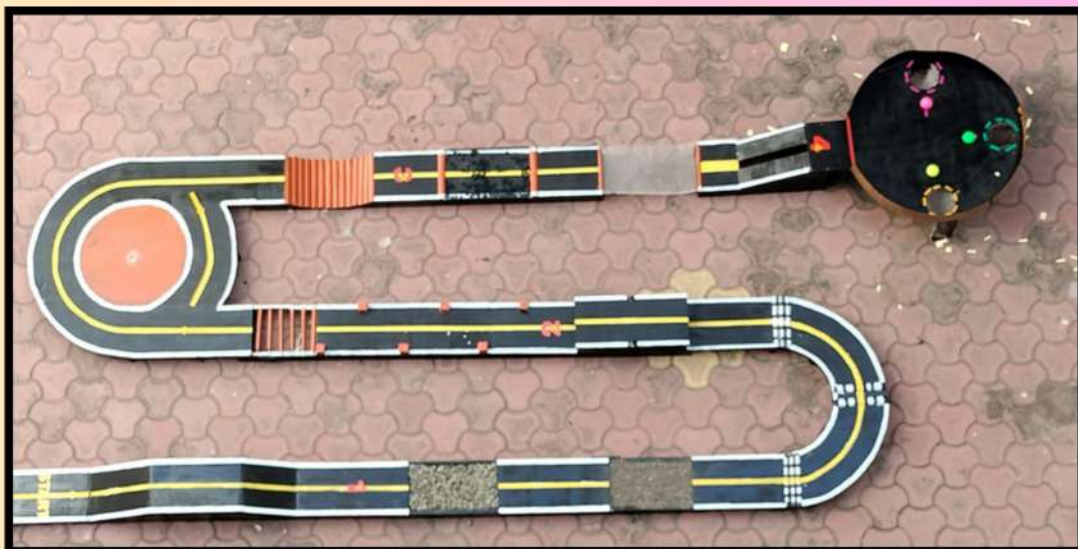




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## TECHNICAL EVENTS





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## INDUSTRIAL VISIT



## Patalesahwar Industry Vinchur





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## YUVASPANDAN 2022-23





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## NEWS CORNER



**बाभूळगाव : एसएनडी पॉलिटेक्निकमध्ये भारतरत्न डॉ. बाबासाहेब आंबेडकर यांना अभिवादन करताना उत्तम जाधव, शेजारी शिक्षक.**

**एसएनडीमध्ये डॉ. आंबेडकरांना अभिवादन**

देवळा : बाभूळगाव (ता. येवला) येथील एस.एन.डी. पॉलिटेक्निकमध्ये भारतरत्न डॉ. बाबासाहेब आंबेडकर यांच्या महापरिनिर्वाण दिनानिमित्त अभिवादन करण्यात आले. यावेळी प्राचार्य उत्तम जाधव, विभाग प्रमुख सतीश राजनकार, ज्ञानेश्वर धनवटे, गणेश चव्हाण, शौराव शेख, संतोष खंदारे, संदीप असुरे आदींच्या हस्ते प्रतिमापूजन करत अभिवादन करण्यात आले. यावेळी डॉ. बाबासाहेब आंबेडकर यांनी आपल्या शैक्षणिक, सामाजिक, राजकीय क्षेत्रात केलेल्या अमोल्य कार्याची माहिती प्राचार्य उत्तम जाधव यांनी दिली. शैक्षणिक क्षेत्राबद्दल डॉ. बाबासाहेब आंबेडकर यांची असलेली आवड व त्यातूनच त्यांनी मिळविलेल्या विविध पदव्या यांचा आदर्श डोक्यासमोर ठेऊन महाविद्यालयातील प्रत्येक विद्यार्थी यांनी डॉ. बाबासाहेबांची प्रेरणा घेऊन शैक्षणिक क्षेत्रात आपली ओळख निर्माण केली पाहिजे.



**Short News**

**एसएनडी पॉलिटेक्निकमध्ये जागरूक पालक, सुदृढ बालक अभियान**

प्रेरणा : भारतरत्न डॉ. बाबासाहेब आंबेडकर यांच्या महापरिनिर्वाण दिनानिमित्त एसएनडी पॉलिटेक्निकमध्ये जागरूक पालक, सुदृढ बालक अभियान सुरू करण्यात आले. यावेळी प्राचार्य उत्तम जाधव, विभाग प्रमुख सतीश राजनकार, ज्ञानेश्वर धनवटे, गणेश चव्हाण, शौराव शेख, संतोष खंदारे, संदीप असुरे आदींच्या हस्ते प्रतिमापूजन करत अभिवादन करण्यात आले. यावेळी डॉ. बाबासाहेब आंबेडकर यांनी आपल्या शैक्षणिक, सामाजिक, राजकीय क्षेत्रात केलेल्या अमोल्य कार्याची माहिती प्राचार्य उत्तम जाधव यांनी दिली. शैक्षणिक क्षेत्राबद्दल डॉ. बाबासाहेब आंबेडकर यांची असलेली आवड व त्यातूनच त्यांनी मिळविलेल्या विविध पदव्या यांचा आदर्श डोक्यासमोर ठेऊन महाविद्यालयातील प्रत्येक विद्यार्थी यांनी डॉ. बाबासाहेबांची प्रेरणा घेऊन शैक्षणिक क्षेत्रात आपली ओळख निर्माण केली पाहिजे.

**पुण्य नगरी**

**'एसएनडी'च्या २९ विद्यार्थ्यांना कॅम्पस मुलाखतीतून नोकरी**



येवला : भारतरत्न डॉ. बाबासाहेब आंबेडकर यांच्या महापरिनिर्वाण दिनानिमित्त एसएनडी पॉलिटेक्निकमध्ये जागरूक पालक, सुदृढ बालक अभियान सुरू करण्यात आले. यावेळी प्राचार्य उत्तम जाधव, विभाग प्रमुख सतीश राजनकार, ज्ञानेश्वर धनवटे, गणेश चव्हाण, शौराव शेख, संतोष खंदारे, संदीप असुरे आदींच्या हस्ते प्रतिमापूजन करत अभिवादन करण्यात आले. यावेळी डॉ. बाबासाहेब आंबेडकर यांनी आपल्या शैक्षणिक, सामाजिक, राजकीय क्षेत्रात केलेल्या अमोल्य कार्याची माहिती प्राचार्य उत्तम जाधव यांनी दिली. शैक्षणिक क्षेत्राबद्दल डॉ. बाबासाहेब आंबेडकर यांची असलेली आवड व त्यातूनच त्यांनी मिळविलेल्या विविध पदव्या यांचा आदर्श डोक्यासमोर ठेऊन महाविद्यालयातील प्रत्येक विद्यार्थी यांनी डॉ. बाबासाहेबांची प्रेरणा घेऊन शैक्षणिक क्षेत्रात आपली ओळख निर्माण केली पाहिजे.

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## EDITOR COMMITTEE

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**MR. RAJANKAR S R**  
HOD

**MR. JADHAV U B**  
PRINCIPAL

### FACULTY COORDINATOR

**MR. MAKUNE S M**  
LECTURER

**MR. KHOKALE K V**  
LECTURER

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**MAST. KADAM MAHESH K.**