

JSPM'S RAJARSHI SHAHU COLLEGE OF ENGINEERING, POLYTECHNIC, TATHAWADE, PUNE-411033

Survey No.80, Pune-Mumbai Bypass Highway, Thathawade,Pune-411033Ph.(020) 64101003 Website:www.rscoe.org Email ID: 1620principal@msbte.com



**DEPARTMENT OF MECHANICAL ENGINEERING** 

PRESENTS

# "SRUJAN"

NEWS LETTER VOL-II, JUNE 2023

Chief Editor: Mr. Sagar Londhe (Head of Department) Editor: Mrs. Shubhada Borade (Lecturer in Mech) Co-Editor: Yadunath Janjlakar (SY Mech)

#### **Vision & Mission of Department**

#### Vision:

To satisfy the aspiration of youth force who want to lead the nation towards prosperity through, techno economic development.

## Mission:

1. To implant mechanical engineering knowledge to the students through effective teaching-learning methods.

2. To prepare the students for professional responsibilities through lifelong learning and sustainable development following ethics.

3. To develop employability and entrepreneurship quantities in students through industry institute interaction.

Message from Hon'ble Founder Secretary, JSPM Group of Institute, Pune.



My Dear students, Jayawant Shikshan Prasarak Mandal (JSPM) was established in 1998 with the objective of creating centres of excellence for education in the field of Engineering, Medical, Pharmacy, Management, and computers. Our Objective behind starting JSPM was to make higher education available to all who are social transformation can be brought about through the medium of dynamic education, desirous of achieving it. I also visualised that a

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JSPMians know:	The value of sincerity & dedication
JSPMians believe:	In integrity & hard work.
JSPMians learn:	On job. At play. Continuously. Constantly.
JSPMians think:	Creatively. Applying new skills innovatively.
JSPMians act:	Responsibly. Optimizing resources. Achieving results.
JSPMians manage:	Information strategically. Integrating intelligently.
JSPMians communicate:	Effectively. Across diverse cultures & media

*My best wishes to you for all the success in your professional career after graduation.* 

Prof. Dr. Tanaji Jayawant Sawant Founder Secretary, JSPM Group of Institute Pune. Message from Principal, RSCOE Polytechnic, Tathawade Pune.



I am so much pleased while writing this message. This is the second edition of News letter of Mechanical Department "SRUJAN". I am sure that this newsletter provides first hand information for the readers, students and parents about the activities and achievements of the Mechanical Department.

> Dr. S.S. Gaikwad, Principal RSCOE POLYTECHNIC

#### Message from HOD, Department of Mechanical Engineering



It gives an immense pleasure to release half yearly newsletter of Mechanical Engineering Department for the year 2022-23. During Last semester, various curricular & co-curricular activities were conducted successfully by the department. Faculty of department participated in various Training program under MSBTE Through & various conferences. Periodic seminar, workshop, industrial visits and industrial training as integral part of the course the student were equipped with technical knowledge, critical thinking skills & creativity to excel in engineering profession.

Where do Mechanical Engineers Work?
Manufacturing industries.
Robotics companies.
Transportation and logistics.
Defense and military companies. Aerospace and space research industries. Artificial Intelligence industry. Automobile industry.
Space exploration.

Mr. S.R. Londhe Head of Department (Mechanical Engg.)

#### Vision & Mission of Department

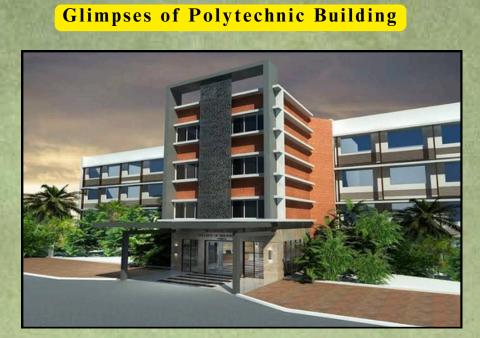
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JSPM's RSCOE Polytechnic Institute Vision	JSPM's RSCOE Polytechnic Institute Mission
"To satisfy the aspirations of youth force, who	"To provide, nurture and maintain an environment of high academic excellence,
want to lead the nation towards prosperity through techno- economic development."	research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards."
JSPM's RSCOE Polytechnic Department of	JSPM's RSCOE Polytechnic Department of
Mechanical Engineering Vision	Mechanical Engineering Mission
"To develop professionally skilled and socially responsible Mechanical Engineers."	<ul> <li>M1. To impart a Mechanical Engineering knowledge to the students through effective teaching and learning methods.</li> <li>M2. To prepare the students for professional's lifelong and responsibilities through ethics learning and sustainable development.</li> <li>M3. To develop employability and entrepreneurship qualities in students through industrial association.</li> </ul>
Program Specific Outcomes (PSOs)	Program Outcomes (POs)
<ul> <li>PSO1. Apply Mechanical Engineering knowledge for the design and manufacturing of various mechanical components and processes.</li> <li>PSO2. Maintain the equipment and instrument related to Mechanical Engineering.</li> <li>PSO3. Implement the Mechanical Engineering processes considering different parameter related to equipment and instruments.</li> </ul>	<ul> <li>chrowledge of basic mathematics, science and engineering fundamentals and Engineering specialization to solve the engineering problems.</li> <li>2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard</li> </ul>
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Workshop



Industrial Fluid Power lab



Automation and Robotics Lab

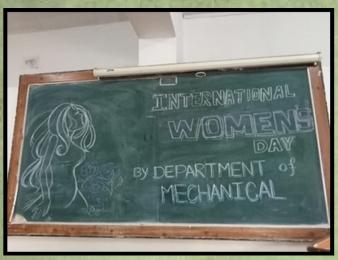


CNC Lab



Automation and Robotics Lab

## Co-curricular Activities of Department Women's day celebration on 09/03/2023



**Board Decoration** 



Women's day celebration

#### Graphic Art Competition on occasion of Shiv Jayanti 20/02/2023







## Industrial visit at JCB INDIA LTD Talegaon on 04/04/2023





Industrial visit at Science Park Chinchwad on 04/04/2023



#### Industrial visit at Flash Point, Moshi on 07/04/2023





#### Industrial visit at Neel TATA Motors Tathawade on 08/04/2023



Guest lecture was conducted on "Entrepreneurship" by Mr. Rohit Ahire, for SY & TY student of Mechanical Engineering Department on 03/03/2023.





Two Days training program on Personality Development was conducted by Mr. Prashant P. Sonawane (Barclays - Rubicon Pune) for Second year student of Mechanical Department on 26/03/2023





## **Extra-curricular Activities of Department**

## STATE LEVEL QUIZ COMPETITION On Occasion of World Science day (28/02/2023).



## Project Competition Mechtonz 2K23 on (24/03/2023)



#### **ACADEMIC ACHIEVEMENTS**

The Principal and the Head of the Departments congratulated all the toppers of the MSBTE'S Summer-2023 examination in the institute. The toppers are as under

Sr.No	Name of Students	Branch	Marks
1	Vaibhavi Waghmare	T.Y Mechanical	80.33%
2	Shiakh Mahamadsiraj Sadam	S.Y Mechanical	73.50%
3	Neha Shinde	F.Y Mechanical	78.48%

Students from T.Y. Mechanical got Third prize in Project competition held on 21th April 2023 organized by Pimpri Chinchawad Polytechnic Pune.



#### **STAFF ACCOMPLISHMENT**

All the staff members from Technical Department have completed their 'Masters in Engineering' Faculty has also participated in the FDPs, STTPs, Soft Skills and Industrial survey from all departments.

Following	faculties	successfully	completed	NPTEL	Online
Certification	n.				S. Ch

Sr.No	Name of Faculty	Course Name	Remark
1	Mr. Sagar Londhe	Effective Engineering teaching in Practice	Completed
2	Ms. Nilam Karpe	Inspection and Quality Control in Manufaturing	Completed

#### **Training and Placement**

• We are happy to state that the Mechanical Department has excellent record of placement of the students. The Institute has the tie-up with the well known industries like TATA Consultancy Service, Flextronics, Syntel, Bajaj Electrical, Piaggio, Cummins, TATA voltas etc. List of some students are given below:

Sr. No.	Name of Student	Name of Company	СТС
1	Prerana Sagar	Thermax Pvt Ltd.	2.20 LPA
2	Gaurav Nikalje	Cummins Pvt Ltd.	3.60 LPA
3	Rajiv Kamble	Subros India Ltd.	2.00 LPA
4	Krishna Ghuge	TATA Motors Pvt Ltd	2.20 LPA
5	Viraj Makasare	TATA Motors Pvt Ltd	2.20 LPA
6	Vaibhavi Waghmare	TATA Motors Pvt Ltd	2.20 LPA
7	Nishant Jadhav	TATA Motors Pvt Ltd	2.20 LPA

STUDENT SPEAK .....



Best college I have ever seen. All facilities provided within college campus. One of the things that make our institute truly special is the unique teaching learning methods and the strong bond between teachers and students. The supportive and nurturing environment created by our teachers empowers us to explore new ideas, ask questions, and challenge ourselves to reach new heights. We feel valued and respected as individuals, and this has boosted our confidence and self-belief in ways we never thought possible.

Student Name: OM Madhamshettiwar, Student TYME.



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Where do Mechanical Engineers Work?
Manufacturing industries.
Robotics companies.
Transportation and logistics.
Defense and military companies. Aerospace and space research industries. Artificial Intelligence industry. Automobile industry.
Space exploration.

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Vision & Missio	n of Department
JSPM's RSCOE Polytechnic Institute Vision	JSPM's RSCOE Polytechnic Institute Mission
"To satisfy the aspirations of youth force, who want to lead the nation towards prosperity through techno- economic development."	"To provide, nurture and maintain an environment of high academic excellence, research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards."
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## Glimpses of Polytechnic Building





Workshop



Industrial Fluid Power lab



Automation and Robotics Lab



Robotics Lab

Automation and Robotics Lab

### Co-curricular Activities of Department Teachers day celebration on 5/9/2023



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#### Industrial visit at Sant Tukaram Sugar Factory on 07/09/2023



Industrial visit at Auto Cluster Factory on 20/10/2023





Guest lecture was conducted on "Power Plant Engineering" Mr. Arvind Paranjpe, AGM, TATA power company, Mumbai for SY & TY student of Mechanical Engineering Department on 11/10/2023.





The seminar was conducted on "Career opportunities in Mechanical Engineering" by Mr. D K Mohan sir for first year student of Mechanical Engineering Department on 10/10/2023.





The seminar was conducted on "Industry 4.0" by Mr. D K Mohan sir for Second year and Third year student of Mechanical Engineering Department on 10/10/2023.



Personality development seminar was conducted on "Success and You" by Mrs. Rekha Bhati (HR- Executive in Skovian Venture Pvt Ltd, Pune)Motivational speaker for Third year student of Mechanical Department on 17/08/2023





Two Days Softskill training program was conducted by Mr. Akhilesh Sunkle (Barclays -Rubicon Pune) for Third year student of Mechanical Department on 17/08/2023





#### **Extra-curricular Activities of Department**

On Occasion of Engineer's day(15/9/2023) organising STATE LEVEL QUIZ COMPETITION And LOGO MAKING COMPETITION







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#### **ACADEMIC ACHIEVEMENTS**

The Principal and the Head of the Departments congratulated all the toppers of the MSBTE'S Winter-2023 examination in the institute. The toppers are as under:

Sr.No	Name of Students	Branch	Marks
1	Shiakh Mahamadsiraj Sadam	T.Y Mechanical	83.88%
2	Pranoti Patil	S.Y Mechanical	84.32%
3	Dinesh Hirve	F.Y Mechanical	81.40%

#### **STAFF ACCOMPLISHMENT**

•Prof. A.M.Mesharam, Lecturer in Mechanical Department has taken admission in Ph.D.

All the staff members from Technical Department have completed their 'Masters in Engineering' Faculty has also participated in the FDPs, STTPs, Soft Skills and Industrial survey from all departments.

Following faculties successfully completed NPTEL Online Certification.

Sr.No	Name of Faculty	Course Name	Remark
1	Mrs. Snehal Patil	Product Design and Development	Silver Medal
2	Mrs. Shubhada Borade	Product Design and Development	Silver Medal
3	Mr. Sagar Londhe	Development Soft Skills and Personality	Silver Medal
4	Mrs. Nilam Karpe	Selection of Nanomaterials for Energy Harvesting and Storage Application	Completed
5	Mr. Santosh Algule	Laser Based Manufacturing	Completed
6	Mr. Shridhar Kudale	Strategic Communication for Sustainable Development	Completed



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communicate about well-defined activities. 7. <b>Life-long learning:</b> Ability to analyze individual needs and engage in updating in the context of technological		

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## **Co-curricular Activities of Department**

On Occasion of **Youth day**(12/01/2024) organising **ROLE PLAY** COMPETITION And **BEST OUT OF WASTE** COMPETITION.









#### Industrial visit at Flash point on 21/02/2024



#### Industrial visit at Neel TATA Motors on 20/10/2023







Sr. No. 81 /1, Sentosa Serene, near JSPM College, Ashok Nagar, Tathawade, 23 Feb 2024 02:38 pm

scattered clouds 30.0 °C



Sr. No. 81 /1, Sentosa Serene, near JSPM College, Ashok Nagar, Tathawade, 23 Feb 2024 02:22 pm

scattered clouds 30.0 °C Guest lecture was conducted on "Road Safety Awareness " Mr. Anand kamble, Training Executive, Honda Motorcycle and Scooters India Pvt.Ltd, Pune for SY & TY student of Mechanical Engineering Department on 16/02/2024.









## **Extra-curricular Activities of Department**

Celebration of Women's Day on 11/03/24









## Eye Checkup Camp on 15/03/24









## Mechathon Project Competition on 20/03/24













#### **ACADEMIC ACHIEVEMENTS**

The Principal and the Head of the Departments congratulated all the toppers of the MSBTE'S SUMMER-2024 examination in the institute. The toppers are as under.

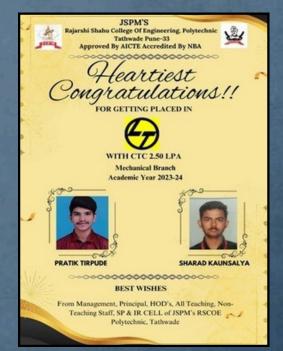
Sr.No	Name of Students	Branch	Marks
1	Shiakh Mahamadsiraj Sadam	T.Y Mechanical	82.26%
2	Pranoti Patil	S.Y Mechanical	88.00%
3	Atharv Zaveri	F.Y Mechanical	85.89%

Ms. Pranoti Patil and Ms. Nandiani Dande students from S.Y. Mechanical got First prize in Paper presentation held on 29th January 2024 organized by Rasiklal M. Dhariwal Institute of Technology, Chimchawad Pune.



#### **Training and Placement**

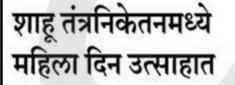
Sr.No	Name of Company	No.of Student	CTC
1	Jeena Schelakhe India Pvt Ltd.	05	3 LPA
2	Amphenol Pvt Ltd.	03	2.80 LPA
3	L&T Pyt Ltd.	03	2.50 LPA
4	TATA Motors Pyt Ltd.	07	2.40 LPA
5	Subros India Pvt Ltd.	02	2.40 LPA
6	SKF Pvt Ltd.	03	2 LPA



#### STAFF ACCOMPLISHMENT

Faculty has also participated in the FDPs, STTPs, Soft Skills and Industrial survey from all departments. To excel in the Academics the faculties are always motivated and it is clear through their participation in the paper presentation in National and conferences, Seminars and workshop.

#### News Published in leading Newspape



पुणे, ता. १९ : जयवंत शिक्षण प्रसारक मंडळाच्या (जेएसपीएम) राजर्षी शाह तंत्रनिकेतनमध्ये जागतिक महिला दिनानिमित्त विविध उपक्रमांचे आयोजन करण्यात आले होते. यानिमित्त विद्यार्थिनी आणि महिला कर्मचाऱ्यांसाठी वैद्यकीय मार्गदर्शनाचे आयोजन केले होते. स्त्रीरोग तज्ज्ञ डॉ. संदीप भुजबळ यांनी महिलांना मासिक पाळीमध्ये होणाऱ्या तक्रारी. कोणती काळजी घ्यावी, याबाबत मार्गदर्शन केले.



णिवयनी प्रित्यलेल्या जेण्यपीणप्रच्या विशार्थिजी आणि णिश्रक

## जेएसपीएमच्या बद्धिमान विद्यार्थिनींना शिष्यवत्ती

पुणे : जेएसपीएमच्या राजपीं शाह तंत्रनिकेतनमधील विद्यार्थिनींना एसकेएफ कंपनीकडून शिष्यवृत्ती जाहीर झाली असल्याची माहिती प्राचार्या डॉ. सरिता गायकवाड यांनी कंपनीने दिली. सामाजिक दायित्वाच्या अंतर्गत बुद्धिमान गरजू मुलींची शिष्यवृत्तीसाठी निवड केली आहे.

शिष्यवत्तीसाठी २०२२-२३ साली चौदा विद्यार्थिनींची निवड केली होती. तर २०२३-२४ साली नऊ विद्यार्थिनींना शिष्यवृत्ती देण्यात आली आहे. मुलींना शैक्षणिक

केले आहे.

My Pune Edition Mar 15, 2024 Page No. newspaper.pudhari.co.

खर्चासाठी वार्षिक वीस हजार रुपये मंजूर केले आहेत. पुढील तीन वर्षासाठी त्यांना ही रक्कम दिली जाणार आहे.

त्याच बरोबर मेकॅनिकल विभागातील श्रुती ससाणे, वैष्णवी घोडके आणि गारगी लोखंडे या तीन मलींची कंपनीमध्ये निवड करण्यात आली. मेकॉनकल इंजिनिअरिंगमध्ये मलींसाठी भविष्यामध्ये अनेक संधी उपलब्ध आहेत. या रोजगार संधीचा मलींनी लाभ घ्यावा असे आवाहन प्राचार्या डॉ. सरिता गायकवाड यांनी

#### प्रभात

## जेएसपीएम इंजिनिअरिंगच्या विद्यार्थ्यांची कंपनीत प्लेसमेंट

#### प्रभात वृत्तसेवा

पुणे, दि. १ - ताथवडे येथील जेएसपीएम राजपीं शाह् कॉलेज ऑफ इंजिनिअरिंग येथील शैक्षणिक वर्ष २०२३-२०२४च्या विद्यार्थ्यांची आंतरराष्ट्रीय नामांकित कंपनीत प्लेसमेंट झाली आहे, असे प्राचार्य डॉ.एस. एस. गायकवाड यांनी सांगितले. यावेळी टी.पी.ओ. एस.पी. रावबोर्डे, विश्वनाथ भिवसे तसेच सर्व विभाग प्रमुख व संकुल संचालक उपस्थित होते. विद्यार्थी सिराज शेख, सुरज जाधव, सिद्धांत दळवी, प्रथमेश जाधव,

निखिल पत्रे, साहील देशम्ख, सार्थक साळुंके, प्रेम आहेर, अमन निकम, अजय पवार यांना ही संधी मिळाली.

स्नेलक्जिना इंडिया प्रा. लि., बजाज ऑटो लि., टाटा रिअल्टर या कंपन्यांमध्ये विद्यार्थ्यांना संधी मिळाली आहे. विद्यार्थ्यांना इंडस्टी रेडी प्रॉडक्ट बनवण्यासाठी इन्स्टिट्यूट मार्फत राबविल्या जाणाऱ्या अनेक टेक्निकल क्रिज. एप्टीट्यूड टेस्ट तसेच ट्रेनिंग दिले जाते. असे राजपी शाह कॉलेज ऑफ इंजिनिअरिंग पॉलिटेक्निकचे प्राचार्य डॉ. गायकवाड यांनी सांगितले.

## 'शाहू अभियांत्रिकी'मध्ये 'डनोव्हिजन'चे उद्घाटन

पणे : नवीन तंत्रज्ञान आत्मसात करण्यासाठी इनोव्हिजन तांत्रिक महोत्सव हे हक्काचे व्यासपीठ असून, यातूनच विद्यार्थी स्वतःचे स्टार्टअप सुरू करतील. इनोव्हिजनच्या माध्यमातून विकसित भारताचे स्वप्न साकार होईल. असा विश्वास सीओईपी टेक्नॉलॉजिकल विद्यापीठाचे कुलगुरू डॉ. सुनील भिरूड यांनी व्यक्त केला.

जयवंत शिक्षण प्रसारक मंडळ संचलित ताथवडे शैक्षणिक संकुलाच्या वतीने विकसित भारत या संकल्पनेवर आयोजित 'इनोव्हिजन'चे उदघाटन करण्यात आले, त्यावेळी भिरूड बोलत

होते. शेफलर इंडिया कंपनीच्या मनुष्यबळ विकास विभागाचे उपाध्यक्ष शंतन् घोषाल, फॉक्सबेरी टेक्नॉलॉजीचे मुख्य कार्यकारी अधिकारी अंकित भार्गव, जेएसपीएमचे संचालक अनिल भोसले, ताथवडे शैक्षणिक संकुलाचे संचालक प्रा. सुधीर भिलारे, रवि सावंत, शाह अभियांत्रिकी महाविद्यालयाचे संचालक डॉ. राकेश जैन, उपसंचालक डॉ. अविनाश देवस्थळी, इथान टेकच्या निखत सय्यद, फार्मसी कॉलेजचे प्राचार्य डॉ. किशनलाल खंडेलवाल. इनोव्हिजनचे समन्वयक डॉ. नीहार रंजन या वेळी उपस्थित होते.



JSPM'S RAJARSHI SHAHU COLLEGE OF ENGINEERING, POLYTECHNIC, TATHAWADE, PUNE-411033

Survey No.80, Pune-Mumbai Bypass Highway, Thathawade,Pune-411033Ph.(020) 64101003 Website:www.rscoe.org Email ID: 1620principal@msbte.com



**DEPARTMENT OF MECHANICAL ENGINEERING** 

PRESENTS

## "SRUJAN"

NEWS LETTER VOL-I, JAN-2025

Chief Editor: Mr. Sagar Londhe (Head of Department) Editor: Mrs. Shubhada Borade (Lecturer in Mech) Co-Editor: Yadunath Janjlakar (SY Mech)

### **Vision & Mission of Department**

#### Vision:

To satisfy the aspiration of youth force who want to lead the nation towards prosperity through, techno economic development.

## Mission:

1. To implant mechanical engineering knowledge to the students through effective teaching-learning methods.

2. To prepare the students for professional responsibilities through lifelong learning and sustainable development following ethics.

3. To develop employability and entrepreneurship quantities in students through industry institute interaction.

Message from Hon'ble Founder Secretary, JSPM Group of Institute, Pune.



My Dear students, Jayawant Shikshan Prasarak Mandal (JSPM) was established in 1998 with the objective of creating centres of excellence for education in the field of Engineering, Medical, Management, Pharmacy, and computers. Our Objective behind starting JSPM was to make higher available education to who a11 are social transformation can be brought about through the medium of dynamic education, desirous of achieving it. I also visualised that a

JSPM is thus an institution of higher education with social commitment. Moreover, it's our pledge to change in tandem with the changing requirements of the industry and mould, develop and nurture talent that will make the nation proud. I hope you would be one of those fortunate students who would get an admission to one of our colleges. I am certain that your life at our campus will be academically fruitful and otherwise pleasant. Every JSPM student &faculty members believe in JSPM Philosophy of "Life Skills" imbibed through informal & formal orientation like:

JSPMians know: JSPMians believe: JSPMians learn: JSPMians think: JSPMians act: JSPMians manage: JSPMians communicate: The value of sincerity & dedication In integrity & hard work. On job. At play. Continuously. Constantly. Creatively. Applying new skills innovatively. Responsibly. Optimizing resources. Achieving results. Information strategically. Integrating intelligently. Effectively. Across diverse cultures & media

My best wishes to you for all the success in your professional career after graduation.

Prof. Dr. Tanaji Jayawant Sawant Founder Secretary, JSPM Group of Institute Pune. Message from Principal, RSCOE Polytechnic, Tathawade Pune.



I am so much pleased while writing this message. This is the second edition of News letter of Mechanical Department "SRUJAN". I am sure that this newsletter provides first hand information for the readers, students and parents about the activities and achievements of the Mechanical Department.

> Dr. S.S. Gaikwad, Principal RSCOE POLY TATHAWADE

#### Message from HOD, Department of Mechanical Engineering



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Where do Mechanical Engineers Work?
Manufacturing industries.
Robotics companies.
Transportation and logistics.
Defense and military companies.
Aerospace and space research industries.
Artificial Intelligence industry.
Automobile industry.
Space exploration.

Mr. S.R. Londhe Head of Department (Mechanical Engg.)

# Glimpses of Polytechnic Building





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Workshop



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Industrial Fluid Power lab



Automation and Robotics Lab



CNC Lab

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Automation and Robotics Lab

Vision & Mission of Department

	NON DOCTOR DOCTOR DOCTOR
JSPM's RSCOE Polytechnic Institute Vision	JSPM's RSCOE Polytechnic Institute Mission
"To satisfy the aspirations of youth force, who want to lead the nation towards prosperity through techno- economic development."	"To provide, nurture and maintain an environment of high academic excellence, research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards."
JSPM's RSCOE Polytechnic Department of Mechanical Engineering Vision	JSPM's RSCOE Polytechnic Department of Mechanical Engineering Mission
"To develop professionally skilled and socially responsible Mechanical Engineers."	<ul> <li>M1. To impart a Mechanical Engineering knowledge to the students through effective teaching and learning methods.</li> <li>M2. To prepare the students for professional's ethics and responsibilities through lifelong learning and sustainable development.</li> <li>M3. To develop employability and entrepreneurship qualities in students through industrial association.</li> </ul>
Program Specific Outcomes (PSOs)	Program Outcomes (POs)
<ul> <li>PSO1. Apply Mechanical Engineering knowledge for the design and manufacturing of various mechanical components and processes.</li> <li>PSO2. Maintain the equipment and instrument related to Mechanical Engineering.</li> <li>PSO3. Implement the Mechanical Engineering processes considering different parameters related to equipment and instruments.</li> </ul>	<ol> <li>Basic and Discipline specific knowledge: Apply knowledge of basic mathematics, science and Engineering fundamentals and engineering specialization to solve the engineering problems.</li> <li>Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.</li> <li>Design/ development of solutions: Design solutions for well- defined technical problems and assist with the design of systems components or processes to meet specified needs.</li> <li>Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.</li> <li>Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.</li> <li>Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.</li> <li>Life-long learning: Ability to analyze individual needs and engage in updating in the context of technological changes.</li> </ol>

**Program Educational Objectives (PEOs)** 

**PEO1**:Provide socially responsible, environment friendly solutions to Mechanical engineering related broad-based problems adapting professional ethics.

**PEO2:** Adapt state-of-the-art Mechanical engineering broad-based technologies to work in multidisciplinary work environments.

**PEO3:** Solve broad-based problems individually and as a team member communicating effectively in the world of work.

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Industrial visit at Katraj Dairy Pune 4/10/2024



CO



Industrial visit at Shirodkar Precision Components Pvt. Ltd

24/10/24











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**Extra-curricular Activities of Department** 

Har Ghar Tiranga on occasion of Independance Day on 14/08/2024 To in built historical, inspirational thoughts in

students.









Extra-curricular Activities of Department

Celebration of Teacher's Day on 05/0/2024 to honor teachers dedication, knowledge, values, ability of moulding future generation.



20

















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The Principal and the Head of the Departments congratulated all the toppers of the MSBTE'S Winter-2024 examination in the institute. The toppers are as under

Sr. No	Name of Student	Branch	Marks
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3	Darshil Kolhe	FY Mechanical	83.06%

#### STAFF ACCOMPLISHMENT

•Prof. A.M.Mesharam, Lecturer in Mechanical Department has taken admission in Ph.D. All the staff members from Technical Department have completed their 'Masters in Engineering' Faculty has also participated in the FDPs, STTPs, Soft Skills and Industrial survey from all departments. Following faculties successfully completed NPTEL Online Certification.





# HAPPY NEW YEAR 2025!!!

Wish you a very happy new year. As we bid farewell to the old and welcome the new, let's continue our journey of excellence together. Wishing you a Happy and Prosperous New Year! I wish you a happy and prosperous New Year 2025, May this New Year brings you new opportunities and hike your career graph towards the height.







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In integrity & hard work.
On job. At play. Continuously. Constantly.
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Responsibly. Optimizing resources. Achieving results.
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Automobile industry.
Space exploration.

> Mr. S.R. Londhe Head of Department (Mechanical Engg.)

# Glimpses of Polytechnic Building





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Workshop



Automation and hobotics Lab



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Industrial Fluid Power lab



CNC Lab



Automation and Robotics Lab

Vision & Mission of Department

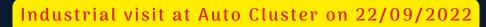
<ul> <li>want to lead the nation towards prosperity through techno- economic development."</li> <li>want to lead the nation towards prosperity through techno- economic development."</li> <li>with through techno- economic development."</li> <li>JSPM's RSCOE Polytechnic Department of Mechanical Engineering Vision</li> <li>"To develop professionally skilled and socially responsible Mechanical Engineers."</li> <li>With the transmission of the students through effect teaching and learning methods.</li> <li>M2. To prepare the students through effect teaching and learning methods.</li> <li>M2. To develop employability at entry qualities in students through iffect teaching and sustainable development.</li> <li>M3. To develop employability at entry qualities in students through iffect teaching and sustainable development.</li> <li>M3. To develop employability at entry encursity qualities in students through iffect teaching and sustainable development.</li> <li>M3. To develop employability at entry qualities in students through iffect teaching and sustainable development.</li> <li>M3. To develop employability at entry qualities in students through iffect teaching and manufacturing of various mechanical Engineering.</li> <li>PSO2. Maintain the equipment and instrument related to Mechanical Engineering.</li> <li>PSO2. Maintain the equipment and instruments.</li> <li>Poblem analysis: Identify and analyze well-defineering problems using codified stan methods.</li> <li>Problem analysis: Identify and analyze well-defineering follies and engineering follies and approprimentation and test methods.</li> <li>Problem analysis: Identify and analyze well-defineering follies and appropriments.</li> <li>Problem analysis: Identify and analyze well-defineering follies and appropriments.</li> <li>Problem analysis: Identify and analyze well-defineering follies and appropriments.</li> <li>Project Management: Apply appropriate technology context of society, susta</li></ul>	
<ul> <li>want to lead the nation towards prosperity through techno- economic development."</li> <li>with through techno- economic development."</li> <li>JSPM's RSCOE Polytechnic Department of Mechanical Engineering Vision</li> <li>JSPM's RSCOE Polytechnic Department of Mechanical Engineering Vision</li> <li>"To develop professionally skilled and socially responsible Mechanical Engineers."</li> <li>JSPM's RSCOE Polytechnic Department of Mechanical Engineers."</li> <li>To impart a Mechanical Engineering Rnowledge for the design and manufacturing of various mechanical Components and processes.</li> <li>PSO2. Maintain the equipment and instruments.</li> <li>PSO2. Maintain the equipment and instruments.</li> <li>PSO3. Implement the Mechanical Engineering problems and assist of the design of systems components or processe considering different parameters.</li> <li>Problem analysis: Identify and analyze well-defineering roblems and assist of the design of systems components or processe meet specified needs.</li> <li>Design development of solutions: Design solut for well- defineed technical problems and assist of the design of systems components or processe meet specified needs.</li> <li>Engineering Tools. Experimentation and Test Apply modern engineering tools and apropertic technicel proteins of and apro</li></ul>	
Mechanical Engineering VisionMechanical Engineering Mission"To develop professionally skilled and socially responsible Mechanical Engineers."M1. To impart a Mechanical Engineering knowledge to the students through effect teaching and learning methods. M2. To prepare the students for professional ethics and responsibilities through lifele teaching and sustainable development. M3. To develop employability a entrepreneurship qualities in students through industrial association.Program Specific Outcomes (PSOs)Program Outcomes (POs)PSO1. Apply Mechanical Engineering knowledge for the design and manufacturing of various mechanical components and processes. PSO2. Maintain the equipment and instrument related to Mechanical Engineering.1. Basic and Discipline specific knowledge: Af knowledge of basic mathematics, science specialization to solve the engineering problems suing codified stand methods.9503. Implement the Mechanical Engineering processes considering different parameters related to equipment and instruments.3. Design/ development of solutions: Design solut for well-defined technical problems and assist of the design of systems components or processe meet specified needs.9. Design/ development of solutions: Design adaptor technique to conduct standard tests measurements.5. Engineering practices for society, sustainability environment engineering individually, as a team member of theiled practices.	environment of high academic excellence, research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral
<ul> <li>responsible Mechanical Engineers."</li> <li>knowledge to the students through effect teaching and learning methods.</li> <li>M2. To prepare the students for professiona ethics and responsibilities through lifeld learning and sustainable development.</li> <li>M3. To develop employability a entrepreneurship qualities in students through lifeld learning and sustainable development.</li> <li>M3. To develop employability a entrepreneurship qualities in students through lifeld learning and sustainable development.</li> <li>M3. To develop employability a entrepreneurship qualities in students through industrial association.</li> <li>Program Specific Outcomes (PSOs)</li> <li>PSO1. Apply Mechanical Engineering knowledge for the design and manufacturing of various mechanical components and processes.</li> <li>PSO2. Maintain the equipment and instrument related to Mechanical Engineering.</li> <li>PSO3. Implement the Mechanical Engineering problems using codified stand methods.</li> <li>Design/ development of solutions: Design soluti for well- defined technical problems and assist or the design of systems components or processe meet special reduced.</li> <li>Engineering Tools, Experimentation and Test Apply modern engineering tools and appropriate technology context of society, sustainability, environment ethical practices.</li> <li>Project Management: Use engineering managem principes individually, as a team member or processe provides individually, as a team member or processe in the solution.</li> </ul>	
<ul> <li>PSO1. Apply Mechanical Engineering knowledge for the design and manufacturing of various mechanical components and processes.</li> <li>PSO2. Maintain the equipment and instrument related to Mechanical Engineering.</li> <li>PSO3. Implement the Mechanical Engineering processes considering different parameters related to equipment and instruments.</li> <li>2. Problem analysis: Identify and analyze well-define engineering problems using codified stand methods.</li> <li>3. Design/ development of solutions: Design solutions or processe meet specified needs.</li> <li>4. Engineering Tools, Experimentation and Test Apply modern engineering tools and appropriate technology context of society, sustainability, environment ethical practices.</li> <li>6. Project Management: Use engineering managem principles individually, as a team member or processe.</li> </ul>	<ul> <li>M2. To prepare the students for professional's ethics and responsibilities through lifelong learning and sustainable development.</li> <li>M3. To develop employability and entrepreneurship qualities in students through</li> </ul>
<ul> <li>knowledge for the design and manufacturing of various mechanical components and processes.</li> <li>PSO2. Maintain the equipment and instrument related to Mechanical Engineering.</li> <li>PSO3. Implement the Mechanical Engineering processes considering different parameters related to equipment and instruments.</li> <li>2. Problem analysis: Identify and analyze well-define engineering problems using codified stand methods.</li> <li>3. Design/ development of solutions: Design solution for well- defined technical problems and assist withe design of systems components or processes meet specified needs.</li> <li>4. Engineering Tools, Experimentation and Test Apply modern engineering tools and appropriate technology context of society, sustainability, environment ethical practices.</li> <li>5. Engineering practices for society, sustainability, environment ethical practices.</li> <li>6. Project Management: Use engineering managen principles individually, as a team member of solutional processes.</li> </ul>	Program Outcomes (POs)
communicate about well-defined enginee activities. 7. Life-long learning: Ability to analyze individe	<ul> <li>specialization to solve the engineering problems.</li> <li>2. Problem analysis: Identify and analyze well-defined engineering problems using codified standard methods.</li> <li>3. Design/ development of solutions: Design solutions for well- defined technical problems and assist with the design of systems components or processes to meet specified needs.</li> <li>4. Engineering Tools, Experimentation and Testing: Apply modern engineering tools and appropriate technique to conduct standard tests and measurements.</li> <li>5. Engineering practices for society, sustainability and environment: Apply appropriate technology in context of society, sustainability, environment and ethical practices.</li> <li>6. Project Management: Use engineering management principles individually, as a team member or a leader to manage projects and effectively communicate about well-defined engineering activities.</li> <li>7. Life-long learning: Ability to analyze individual needs and engage in updating in the context of</li> </ul>

**Program Educational Objectives (PEOs)** 

**PEO1**:Provide socially responsible, environment friendly solutions to Mechanical engineering related broad-based problems adapting professional ethics.

**PEO2:** Adapt state-of-the-art Mechanical engineering broad-based technologies to work in multidisciplinary work environments.

**PEO3:** Solve broad-based problems individually and as a team member communicating effectively in the world of work.







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Guest lecture was conducted on "CAD/CAM" by Mr. A M Meshram , for SY & TY student of Mechanical Engineering Department on 10/10/2022.



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# Extra-curricular Activities of Department

# Cleanliness Activity at Temple on 10/10/22











#### ACADEMIC ACHIEVEMENTS

 $\cdot$  The Principal and the Head of the Departments congratulated all the toppers of the MSBTE'S WINTER-2022 examination in the institute. The toppers are as under

Sr. No	Name of Student	Branch	Marks
1	Vaibhavi Dnyaneshwar Waghmare	TY Mechanical	81.24%
2	Shaikh Mahamadsiraj Sadam	SY Mechanical	74.00%
3	Patil Pranoti Prakash	FY Mechanical	79.57%

#### STAFF ACCOMPLISHMENT

• Faculty has also participated in the FDPs, STTPs, Soft Skills and Industrial survey from all departments.

• To excel in the academics the faculties are always motivated and it is clear through their participation in the paper presentation in the state, National and International conferences, Seminars and workshop.