



# JSPMs Jayawantrao Sawant College of Engineering Hadapsar



## Mechanical Engineering Department



Estd. 2004

DTE Code.: 614561210

## ENews Letter 2023-24

### Important Features: -

1. Experienced and qualified faculty members (average experience is 7 years).
2. Excellent teaching learning platform: Use of LMS-Moodle, YouTube channels of faculty members.  
e.g., [bit.ly/thermalengg](https://bit.ly/thermalengg), [bit.ly/kadamacademy](https://bit.ly/kadamacademy), [bit.ly/mechthermal002](https://bit.ly/mechthermal002)
3. Students clubs for co-curricular activities.
4. Good Eco system for placement activities.
5. Financial and technical support to develop entrepreneurship and startup skills

For More information Visit

<https://www.jspmjscoe.edu.in/>

College Code:- 6145



## **About Department**

**JSCOE Mechanical Department was established in 2004 offers UG, PG & Ph. D. programs. This department is specially known for excellence in academics, acquiring research projects & placements. The department has bagged gold medals in the university examination for three consecutive years and created a record. The Department has well equipped laboratories including a state- of - art research center. Every year the projects accomplished in the club are sent for National & International project competitions. The Mechanical Department has won several National Level Project Competition awards like; Most Popular Project Award 2022 ( Prize of Rs. 10 Lakh) - KPIT, Platinum Award 2022 “ Auto India Racing Championship 2022” Runner Up and . . , et c Student s are placed in core companies like Tata Motors, Piaggio, John Deere, Vishay as well as software industries like TCS, Infosys, Capegemini, Wipro , L&T etc. with a highest package of 7.5 lakhs per year and an average package of 3.50 Lakhs per year.**



**Dr. R. D. Kanphade**  
**Principal**



**Dr. P. A. Patil**  
**Head of Department**



# **JSPMs Jayawantrao Sawant College of Engineering Hadapsar**

## **Mechanical Engineering Department**



## **VISION**

**“To be recognized globally as a center of quality education and research for aspiring mechanical engineer to cater the ever-changing demands of industry and society.”**

## **MISSION**

- M1. To develop responsible mechanical engineers with strong technical skills to meet the needs of the profession and society.**
- M2. To develop problem solving and research ability in Students' to meet needs of demanding challenges of society and other interdisciplinary areas.**
- M3. To inculcate moral values, leadership and professional skills for a long productive and influencing professional career.**



## **Faculty Achievements[Last 5 Years]**



**Dr. P. A. Patil (HOD Mechanical) facilitated for Appointment as SPPU BoS Chairman in Mechanical Engg. by Hon'ble Dr. T. J. Sawant (Health Minister, Govt. of Maharashtra)**

- **Faculty Contributing in SPPU Paper Setting, Curriculum Enrichment Programs etc.**
- **Well Qualified & Experienced Faculty**
- **Ph.D.-07 & Ph.D. Pursuing-02 & M.E./M.Tech-15**
- **Digital Smart ICT enabled Classroom**
- **Moodle –LMS(Learning Management System)**
- **Skilled Supporting Staff**
- **Well Equipped Laboratory**
- **Research Paper Published -68**
- **Patent Filed-8**
- **Book Published-11**
- **Received Grants from DST, ISRO, ISHRAE, ASHRAE worth Rs 70 lakhs.**
- **MoU with Industries- 15**

## **Startup at JSCOE- Cerebrospark Innovations**



**Inauguration of Workspace For Drone Startup By  
Hon'ble Giriraj Sawant (Secretary TSSM)**



**Facilities provided to students in order to support them for their startup.**

## **Start Up at JSCOE- “Cerebrospark Innovations”**



**Mihir Kedar - Founder & Director [Left]**  
**Ganesh Thorat - Founder & Director [Middle]**  
**Rushikesh Sonawane - Director [Right]**



**Govt of Bihar (Project Sanction 1.2 Crore) :- Drone Manufacturing For Surveillance and Monitoring of Country Liquor for Excise, Prohibition and Registration Dept. Gov Bihar.**

## **Start Up at JSCOE- “Cerebrospark Innovations”**



**MoU between “Vasantrao Naik Marathwada Krishi Vidyapeeth, Parbhani”  
and Cerebrospark Innovations Pvt Ltd on 04 May 2024**



**Innovation under the Supremacy of G20 at Aakashwani Pune and Auto  
Cluster Development and Research Institute, Pune.**

## **Start Up at JSCOE- “Cerebrospark Innovations”**



**Hon'ble Cabinet Minister Dr. Tanaji Sawant Saheb appreciated new product “CS Krishi Drone” during Sevakmelava 2024 at JSPM Hadapsar Campus on 27 Jan 2024**

## **Start Up at JSCOE- “Cerebrospark Innovations”**



**MoU between “Tehri Hydropower Development Corporation - Institute of Hydropwer Engineering & Technology ( THDC - IHET )” & Cerebrospark Innovations Pvt. Ltd.**



**Won First Prize at Entreprenex 2024, a Startup Fest organized by JSPM University, Wagholi on March 2nd and 3rd, bagging 5 lakh cash prize on 03 Mar 2024**

## Start Up at JSCOE- “Cerebrospark Innovations”



## Inauguration of “Cerebrospark Academy Lab” at AISSMS IOIT in presence of Hon'ble Higher Technical Education Minister Shri. Chandrakant Dada Patil

# High-tech drone dream takes flight

The enterprise wants to make drones available and accessible to all  
Said Utkarsh

**PUNE:** From humble beginnings as a group of young engineers with a shared passion for drones, Cerebrospark Innovations LLP (CSII) has carved its niche in the technology landscape. The team embarked on a mission to create a 'smart boy-like drone' that would make the imaginations of their fellow engineers.

Ganesh Thorat and Mihir Kohli, co-founders of CSII, have now established themselves as leading manufacturer and provider of drone-based solutions with applications in agriculture, surveillance, and delivery sectors.

**In the beginning**  
Ganesh and Mihir are mechanical engineers from JSPM's Jayawantrao Sawant College of Engineering in Hadapsar. Coming from a tier-3 city like Solapur, Ganesh never had exposure to national-level competitions or hackathons for students. So, after coming to Pune for his mechanical engineering education, Ganesh observed that the first-year students do engineering projects or participate in various competitions.

Ganesh said, "I came to our college with the Smart India Hackathon and I saw how good wide coverage in the city. I had done small projects, but in the second year, I decided to do a big project. I spoke with our faculty and seniors from college and they connected me with Mihir who was studying in his first year of mechanical engineering. Including us both, we formed a team of nine enthusiastic students, who would work on a project. I came up with the idea of making a drone. This was in 2018."

"Our team began basic research by browsing the internet about how drones work and how we can make one. We all were from the mechanical branch, and our college did not have an aerospace facility. So, we

**Problems in agriculture**

- Lack of manpower
- Excess use of water and fertilizers in field
- Time consuming
- High human risk
- Non-uniform spray
- High operational cost
- High labour cost
- Low operational efficiency

**Solutions by CS Krishi**

- Disease identification
- 95 per cent reduction in water usage
- No risk
- 98 per cent reduction in time required for spraying
- Uniform spray
- No labour required
- High operational efficiency
- ₹500 to ₹800 Cost of spraying per acre
- ₹600,000 to ₹1,000,000 selling cost per drone

**Cerebrospark Innovations**

- Drone manufacturing
- Technology enhancement
- Flexible models for spraying various crops
- Seed sowing attachment
- Sapling sowing attachment
- Granular fertilizer spreading attachment
- Drone Pilot Training
- Two pilots will be trained and given DGCA authorized remote pilot certificate
- Maintenance
- Basic maintenance of drone every 3 months
- Battery maintenance every 6 months
- Franchise Model
- One CS-BR300 will be deployed in a village and two people will be employed there to operate the drone
- One Stop Solution
- Educating Farmer
- Crop analysis
- Disease identification
- Field mapping
- Crop monitoring
- Spraying
- Sowing
- Planting

**Drone Training**

- Manufacturing with at Hadapsar
- 40+ Total drone sales
- 200+ 6 months Farmer customers
- 70+ Number of drones manufactured
- 5000+ Drone flights
- 25 Team strength
- Operations - Maharashtra, Bihar, Delhi

**Competitors**

- Marut Drones
- Garuda Aerospace
- IoTechWorld

**Market Size**

MAHARASHTRA	INDIA
<b>CROPS</b>	<b>INDIA</b>
Soybean 46	90 per cent in green zone (no permission required to operate drone)
Cotton 40	Drone market 12,000 cr (2020) - 20,000 cr (2025) (expected)
Sugarcane 50	3 lakh people employed in manufacturing and drone flying
Onion 35	
Rice 14	
Coconut 16	
<b>Total</b> 201	

**Funding**

Revenue FY 2020-2021 ₹3 lakh  
FY 2021-2022 ₹6 lakh  
FY 2022-2023 ₹1.2 crore

Angel investment: ₹55 lakh  
Bootstrapped

Revenue Streams

- Drone Manufacturing and Sales
- Drone Services
- Drone Training

**Drone Training**

CSII has started a new company for training and licensing purposes. Whenever purchase a drone from us, we have the option of getting trained from us and servicing and maintenance of drones. Most international manufacturers are unable to provide after-sales service and hence this could be our advantage.

**Competitive edge**  
Ganesh and Mihir started exploring the government sector for drone applications. They came to know about a tender floated by the Bihar government for surveillance of illegal liquor-related activities. A company from Bihar won the bid and secured it in CSII, but the entrepreneur had experienced several problems while dealing with them. Ganesh said, "Mihir was appearing for his final exams, and we both had to go to Bihar to deploy the solutions. The Bihar-based company delayed our payments which created a lot of problems for us. We were in debt and depressed. But then after a few months, in the new round, we applied for the tender on our own and got selected."

Abhishek Rathi from Pune helped us with the funding this time, which empowered us to navigate through the crisis. We have also created a command control centre for the live

**Drone training**  
Ganesh also emphasised the need to train end users to use the drones in agriculture sector. "We have started a new company for training and licensing purposes. Whenever purchase a drone from us, we have the option of getting trained from us and servicing and maintenance of drones. Most international manufacturers are unable to provide after-sales service and hence this could be our advantage."

**Market Size**

MAHARASHTRA

CROPS	LAND IN (LAKH HECTARE)	SPRAY / YEAR
Soybean	46	8
Cotton	40	8
Sugarcane	50	2
Onion	35	2
Rice	14	4
Coconut	16	70
<b>Total</b>	201	95

**INDIA**

90 per cent in green zone (no permission required to operate drone)

Drone market 12,000 cr (2020) - 20,000 cr (2025) (expected)

3 lakh people employed in manufacturing and drone flying

**Drone training**  
Ganesh also emphasised the need to train end users to use the drones in agriculture sector. "We have started a new company for training and licensing purposes. Whenever purchase a drone from us, we have the option of getting trained from us and servicing and maintenance of drones. Most international manufacturers are unable to provide after-sales service and hence this could be our advantage."

## Media Coverage

## Start Up at JSCOE- “ELESIPA”

**Founder and CEO of FERMI Automotive - ELESIPA**

[www.elesipahev.in](http://www.elesipahev.in)  
[www.elesipahev.in](http://www.elesipahev.in)  
7498378219

**Prathamesh Choudhary**



**ELESIPA**  
ELECTRIFYING INDIA™

**Making of First Prototype**



**ELESIPA Features and Benefits**

**Runs 60 km in just ₹5!**

- Independent and Combined Petrol and Electric Drive.
- Switch to Petrol Engine if Battery runs out.
- Top speed 60 km/hr in Pure Electric Drive.
- In a Single Charge it goes 60 km.
- Double the Mileage with Electric and Petrol Engine, which is 120 km / (charge + liter).
- Portable Battery can be Charged anywhere.
- No changes required in the vehicle for installation.
- Available service stations and 2 years of free service !
- Safest Battery Composition ever.
- Saves Rs. 60,000 per year.

Startup of Hybrid Electric Vehicle Manufacturing with Assembly Line



JSPM's Jayawantrao Sawant College of Engineering, Pune

**First ever Assembly Line in college in India**

ELESIPA Proposed Assembly Line



**Patent Document**





For more information visit our website or scan QR code.







JSPMs Jayawantrao Sawant College of Engineering Hadapsar  
Mechanical Engineering Department



## Start Up at JSCOE- “ELES PA”



CEO Insight Published Magazine on the Cover Page for Top 10 Best Startup CEO's in 2022.” from all selected Top 10 Best Startup CEO's from India

## **Start Up at JSCOE- “ELESPIA”**



**Platinum Award winner with Rs.10 Lakh Cash Prize of KPIT SPARKLE 2022**



**Hon'ble Cabinet Minister Dr. Tanaji Sawant felicitated Startup ELESPIA For Platinum Winner in KPIT 2022**

## **Start Up at JSCOE- “ELESPA”**



**Won cash Prize of Rs. 2 Lakh**  
**VOIS Tech**  
**Innovation Marathon 2022**

**Winner of TECHTATVA 2022**  
**State Level Technical Event**



## **Research Facilities**



**Subsonic Flow Wind Tunnel Test Setup**



**Research Engine Test Setup**



**FFT Analyzer**



**High Vacuum Pump & Diffusion Pump**



**Compressor Calorimeter Test Rig**

## **ASHRAE/ISHRAE Club**



**“ASHRAE Club Students’ from Mechanical Engineering Department have rewarded the Prestigious Research Grant of \$5000 from ASHRAE, USA”.**

- **Project Advisor:**  
**Dr. P. A. Patil**  
**(HOD Mechanical Engg.)**
- **Project Title: Design & Development of Liquid Desiccant Air Conditioning**



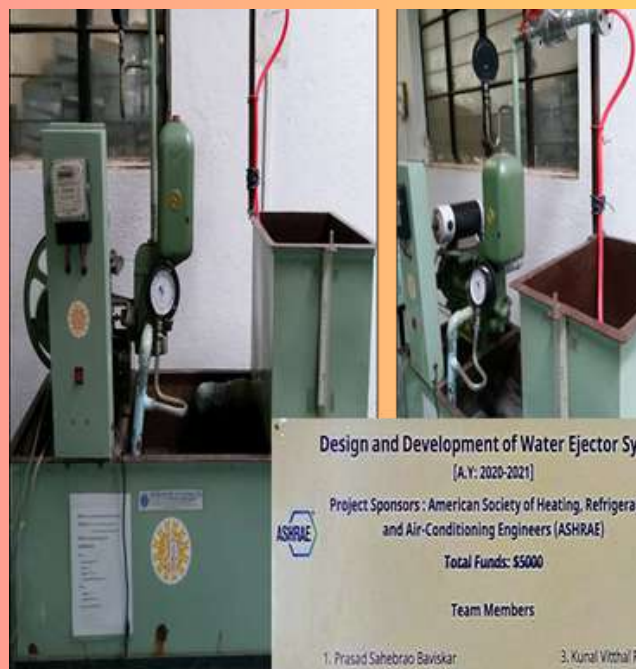
**“ASHRAE Club Students’ from Mechanical Engineering Department have rewarded the Research Grant of Rs. 70000 from Tirupati Enterprises Solutions”.**

- **Project Advisor: Prof. L.N. Mane**
- **Project Title: Performance Testing of Phase change material in Refrigerator**



**“ASHRAE Club Students’ from Mechanical Engineering Department have rewarded the Prestigious Research Grant of \$5000 from ASHRAE, USA”.**

- Project Advisor: Dr. P. A. Patil (HOD Mechanical Engg.)
- Project Title: Design and Development of Liquid Desiccant Refrigeration System



**“ASHRAE Club Students’ from Mechanical Engineering Department have rewarded the Prestigious Research Grant of \$5000 from ASHRAE, USA”.**

- Project Advisor: Dr. P. A. Patil (HOD Mechanical Engg.)
- Project Title: Design & Development of Compressor Ejector Refrigeration System Setup.

## OUTDOOR AIR PURIFIER MACHINE



### Product Description

It is trolley mounted portable Air purification machine

- |                                  |   |
|----------------------------------|---|
| • Product Size                   | : - 5 ft* height ,1 sq. ft. cross section   |
| • Filtration technique           | : -HEPA filter                              |
| • Usage                          | : - Outdoor                                 |
| • Weight                         | : - Less than 20 kg                         |
| • Energy Input                   | : - 1 HP                                    |
| • <u>PURITY LEVEL</u>            |   |
| • HCHO                           | : - 0 mg/m <sup>3</sup>                     |
| • TVOC                           | : - 0 mg/m <sup>3</sup>                     |
| • PM2.5                          | : - 26 ug/m <sup>3</sup>                    |
| • PM1.0                          | : - 19 ug/m <sup>3</sup>                    |
| • PM10                           | : - 30 ug/m <sup>3</sup>                    |
| • Range of Purity                | : -Within a radius of 30 ft.                |
| • Time Required for Purification | : - 15-20 min. depending on pollution level |

“ASHRAE Club Students’ from Mechanical Engineering Department have rewarded the Prestigious Research Grant of 2 Lakhs from JSPM”.

- Project Advisor: Dr. P. A. Patil (HOD Mechanical Engg.)
- Project Title: Outdoor Air Purifier Machine during A Y 2023-24

# AIR TO WATER MACHINE

## Product Description

Atmospheric air to water generation machine can extract water from dry climate



- Product Size :- 2 ft x 2ft x 4 ft height
- Water Extraction Rate :- 10-15 lit/hr
- Approx. water Cost :- Rs 8 per litre \*
- Humidity Range Reqd. :- 40 to 60 % RH
- Total Energy Input (Approx.): - 5kW
- Price :- 4 lacs per unit

\*Based on Electricity Consumption

## **System can Work on Solar ,Electricity and Hybrid Mode (For 100 Litres/Day Capacity)**

- Space Required : 1500 sq. ft.
- Solar Panel Capacity : 1.5 kW
- Cost of Solar System : 5 Lacs
- Payback Period : 5 years

**“ASHRAE Club Students’ from Mechanical Engineering Department have rewarded the Prestigious Research Grant of 2 Lakhs from JSPM”.**

- Project Advisor: Dr. P. A. Patil (HOD Mechanical Engg.)
- Project Title: Air to Water Machine during A Y 2023-24



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



## **ASHRAE/ISHRAE Club**



**Industrial Visit Organized for BE Students at Deenanath Mangeshkar Hospital  
Pune under ASHRAE Club on 14 Oct 2023**



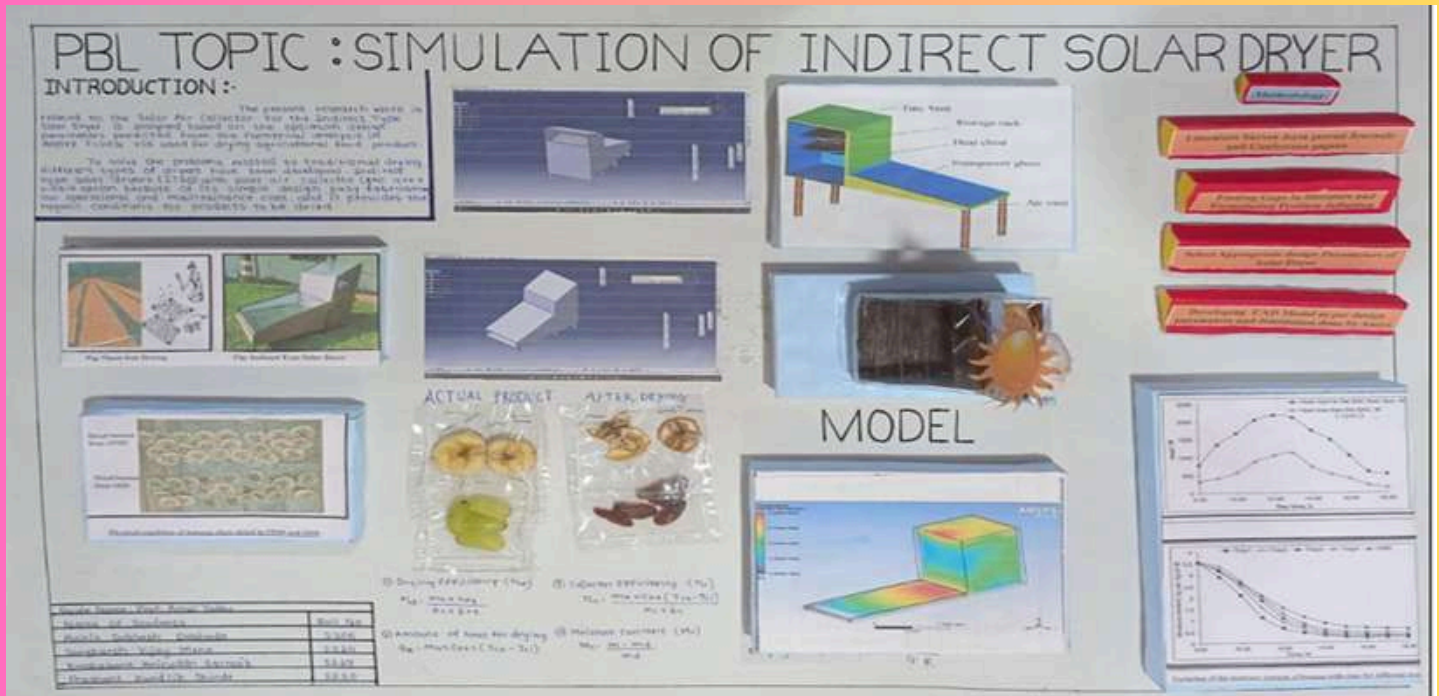
**Industrial Visit organized at Jai Jinendra Cold Storage For ASHRAE Club  
Students on 25 Mar 2023**



JSPMs Jayawantrao Sawant College of Engineering Hadapsar  
Mechanical Engineering Department  
ASHRAE/ISHRAE Club



PBL Poster Presentation Competition [29 Apr 2024]





**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**ASHRAE/ISHRAE Club**



**Mini Project Idea Presentation Competition [29 Apr 2024]**



**Won 2nd Prize in National Level Project Idea Competition organized by  
ISHRAE Chapter in "TECHNOCHILL" held at AISSMS COE Pune  
on 14 Feb 2023**



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**Mechanical Engineering Department**



## **AUTO Club**

**FOXTROT RACERS.....AN OFFICIAL GO KARTING TEAM.**



**Inaugural for Launching of “Go Kart Vehicle” in Presence of  
Dr. R. D. Kanphade, Principal & Dr. P. A. Patil, HOD Mechanical Engg.**



**Team Foxtrot Racers is Skidpad Winner (Prize Rs. 15000) in  
“Edge Line Championship”**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**AUTO Club**



**Guest Lecture organized on “Industry 4.0” For Final Year Students under  
AUTO Club on 18 Apr 2024**



**JSPM's Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**AUTO Club**



**Industrial Visit organized at “PMPML  
Central Bus Workshop, Swargate”  
For Second Year Students  
on 25 May 2023**



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**Mechanical Engineering Department**



**AUTO Club**



**Industrial Visit organized at "ACE Kudale Maruti Suzuki Service Centre"**  
**For Second Year Students under AUTO Club on 26 Apr 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



## **EV Club**



**Developing entrepreneurship skills through successful entrepreneurs**



**GPS Map Camera**

**Pune, Maharashtra, India**

FWFP+2M6, Satar Nagar, Hadapsar, Pune, Autadwadi Handewadi, Maharashtra

411028, India

Lat 18.472559°

Long 73.936503°

20/10/23 11:59 AM GMT +05:30

**Google**

**Guest Lecture organized on “Hybrid Electric Vehicle” For Second Year Students under EV Club on 20 Oct 2023**

## EV Club



**Won 1st Runner up at Smart India Hackathon 2022 Hardware Edition**



**Won First Prize in DTE,s Regional Level Project Competition held at  
AISSMS IOIT Pune on 02 May 2022**

## **EV Club**



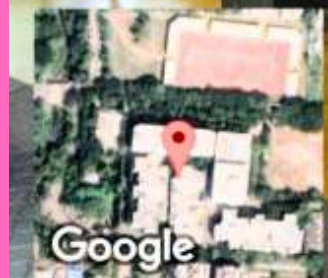
**Awareness of latest technology: Guest lecture of industry experts on  
“Transmission System In Hybrid Electric Vehicle” For Third Year Students  
under EV Club on 13 Apr 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



## **Discovery Club**



**Pune, Maharashtra, India**

FWFP+3FC, Satar Nagar, Hadapsar, Pune, Autadwadi Handewadi, Maharashtra

411028, India

Lat 18.472618°

Long 73.9362°

28/08/23 11:30 AM GMT +05:30

**Guest Lecture organized on “Awareness about additive manufacturing Process” For Third Year Students in association with 3D Shikshan on 28 Aug 2023**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**Discovery Club**



**A Workshop organized on “3D Printing Prototyping” For Third Year Students  
in association with 3D Shikshan on 12 Sep 2023**



**JSPM's Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**Discovery Club**



**Industrial Visit organized at “3D Printing Lab, COEP Technological University” For Third Year Students in association with 3D Shikshan on 06 Apr 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



## **Discovery Club**



**Interdisciplinary skill set through industry experts on Data  
Visualization & Machine Learning using Splunk on 07 Mar 2024**



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**Mechanical Engineering Department**



## **Drone Club**



**Won 3rd prize in the Project Idea Presentation at MIT loni in the MIT PERSONA 2024 event on 11 Feb 2024**



**Recognition of BE Project at AVISHKAR SPPU Project Competition held at AISSMS COE Pune on 27 Oct 2023**

## **Drone Club**



**Industrial Visit Organized at MSME Defence Expo, Moshi For SE TE BE Students under Drone Club on 24 Feb 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



## **Drone Club**



**External Stakeholders (Rotary Club members) Visited Drone Club, at Cerebrospark Innovations at JSCOE, Hadapsar campus**

## **Drone Club**



**Internship Students working on Manufacturing of Drones at Cerebrospark Innovations Pvt. Ltd.**





**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**  
**[Mechanical Engineering Students Association]**  
**Induction Program**



**Dr. P. A. Patil [Head of Department] addressing students during  
FE Induction Program at commencement of Semester on 21 Aug 2023**



**Dr. P. A. Patil [Head of Department] addressing students during  
BE Induction Program at commencement of Semester on 17 Jul 2023**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**



**[Mechanical Engineering Students Association]**

**Teachers Day Celebration [05 Sep 2023]**





**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**



**[Mechanical Engineering Students Association]**

**Engineer's Day Celebration [15 Sep 2023]**



**Dr. P. A. Patil (HOD) Addressing Students**



**Quiz competition**





**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**  
**[Mechanical Engineering Students Association]**  
**Parent Meet [27 Oct 2023]**



**Dr. P. A. Patil [HOD] addressing parents to make them aware about department academic policies**



**felicitation of toppers along with their parents.**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**



**[Mechanical Engineering Students Association]**  
**Blood Donation [15 Mar 2024]**





**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**



**[Mechanical Engineering Students Association]**

**Awareness Programs**



**Campaign on “Mera Pehla Vote Desh Ke Liye” launched by Ministry of Education in collaboration with Ministry of Youth Affairs on 14 Mar 2024**



**Students addressed National objectives:**  
**Awareness of Voting, patriotism etc..**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**  
**[Mechanical Engineering Students Association]**  
**Industrial Visit**



**Industrial Visit organized at Mahati Hydro Electric Power Plant For Final Year Students on 15 Apr 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**  
**[Mechanical Engineering Students Association]**  
**Industrial Visit**



Someshwar Nagar, Maharashtra, India  
474P+PPC, Someshwar Nagar, Maharashtra 412306, India  
Lat 18.107246°  
Long 74.286517°  
16/04/24 11:37 AM GMT +05:30

**Industrial Visit organized at Someshwar Sugar Factory ,Someshwar Nagar**  
**For Final Year Students on 16 Apr 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**  
**[Mechanical Engineering Students Association]**  
**Industrial Visit**



**Industrial Visit organized at Accurate Sales & Pvt Ltd. For Third Year Students on 04 Mar 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**



**[Mechanical Engineering Students Association]**

**Freshers Party [29 Apr 2024]**



**Felicitation of SE students on the basis of their academic performance, attendance, and achievements etc.**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**



**[Mechanical Engineering Students Association]**

**BE Farewell Party [30 Apr 2024]**



**Dr. P. A. Patil [HOD] addressing outgoing students giving tips of life science and dos and don'ts of professional life**





**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**MESA**



**[Mechanical Engineering Students Association]**  
**BE Farewell Party [30 Apr 2024]**



**Felicitation of outgoing students based on performances in various segments such as academics, projects, event management, placement, sports, cultural etc**



## **Sports Activities**



## **Sports Activities [Staff]**



### **Men Mech Staff Cricket Squad**



### **Women Mech Staff Cricket Squad**



### **Winner of Women Cricket Match**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



## **Cultural Events [Antarnaad 2024]**



## **NSS [National Service Scheme] [16-22 Jan 2024]**



**At Post Udachi Vadi, Purandar, Tq. Haveli Dist. Pune**



**Blood Donation**



**Students serving the society, which make them responsible citizen as well**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



**NSS [National Service Scheme] [16-22 Jan 2024]**



**Rain Water Conservation Activity**



**Tree Plantation**

**Students serving the society, which make them responsible citizen  
as well**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



## **Project Based Learning**



**MINI Smart India Hackthon 2023 Institute Level Project Competition is organized at Mechanical Engineering Department on 21 Sep 2023**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



## **Project Based Learning**



**JSCOE Hackfest 2024 Project Competition is organized at Mechanical Engineering Department on 30 Mar 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**EDC [Entrepreneurship Development Cell]**



**BE Mech Team, Secured 1st Rank in Project to Product Business Plan Presentation Competition organized by Entrepreneurship Development Cell JSCOE Hadapsar on 30 Mar 2024**



## **Use of Moodle -Learning Management System**



**ICT enabled classroom**

**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**Best Academic Practices**



**Four Board Method -Innovative Teaching Method**



**Flipped Classroom -Innovative Teaching Method**



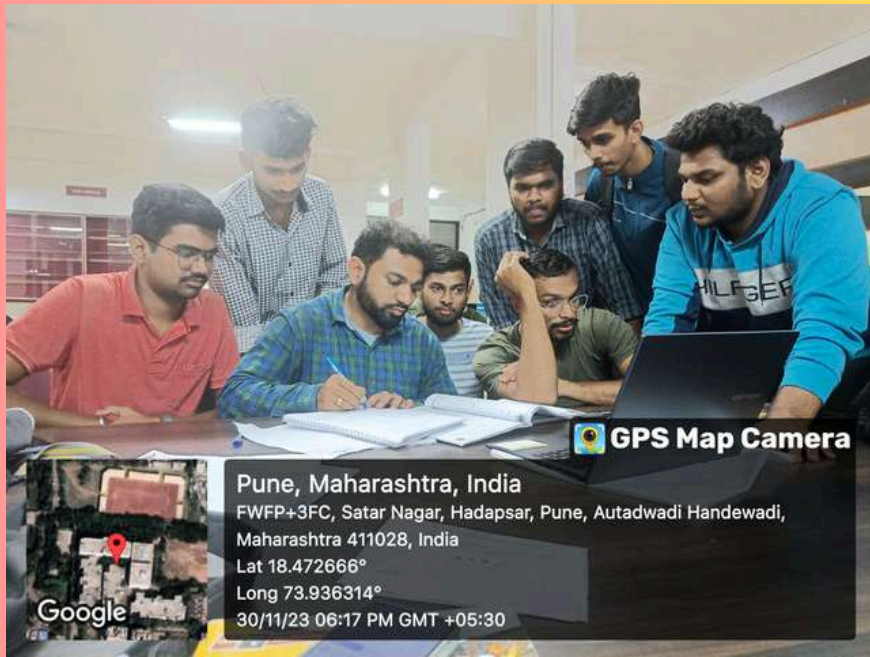
**Role Play -Innovative Teaching Method**



# JSPMs Jayawantrao Sawant College of Engineering Hadapsar

## Mechanical Engineering Department

### Best Academic Practices



## Doubt Clearing Session one day before SPPU Exam



## Extra Classes during Holiday's

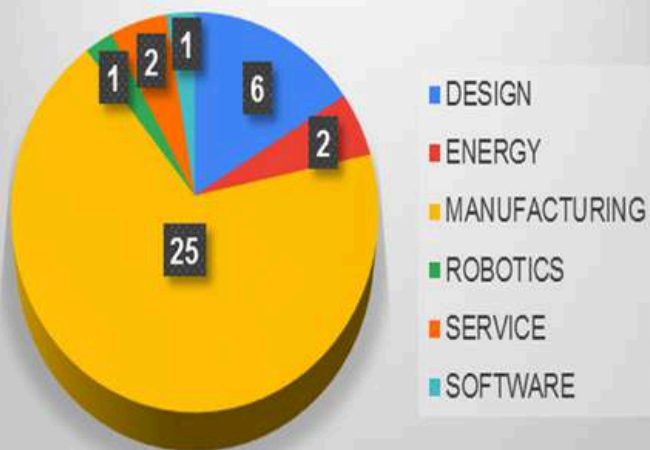


## Mentoring Session

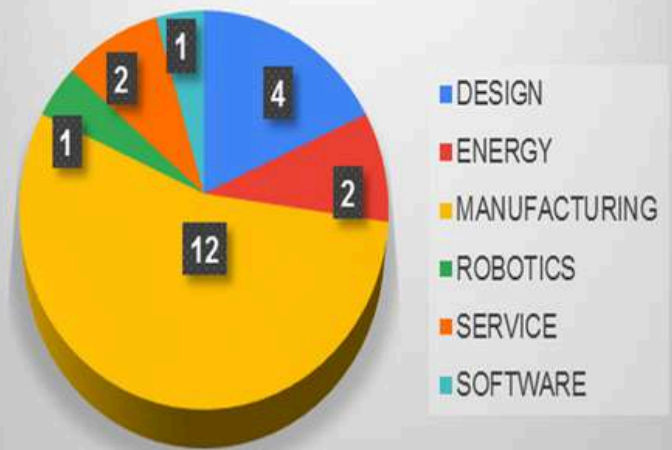
## Training & Placement Cell

- No of Students Completed Internships – 37
- No of Industries in which students were involved for doing Internship – 21
- GHORPADE SHRIKANT KALYAN, KAMBALE AVINASH MAHADEV, KULKARNI VISHAL MANOJ, JUMALE ABHISHEK ASHOK selected for apprenticeship with stipend offer of Rs.17,000 p.m from Bharat Forge Ltd for 1 Year.
- KULDEEP YADAV selected for internship with stipend offer of Rs.8,500 p.m from Wootz. Work for 6 Months.
- SANKET MARDHEKAR selected for internship with stipend offer of Rs.7,500 p.m from Elansol for 6 Months.

No of Students = 37



No of Industries = 22





**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**Training & Placement Cell**



**Major Industries Availing Students' Internship**



**Autadwadi Handewadi, Maharashtra, India**

FWCP+RF8 Nakshatra Garden, Satar Nagar, Hadapsar, Autadwadi Handewadi, Pune, Maharashtra

411028, India

Lat 18.471989°

Long 73.935905°

22/08/23 09:27 AM GMT +05:30

**Guest Lecture on “Placement Opportunities GATE & Higher Studies”  
in association with I2E on 22 Aug 2023**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**  
**Training & Placement Cell**



- **Training Name** : **Soft skill**
- **Total duration of training** : **25hr**
- **Mode of training** : **Offline**
- **Purpose of training** : **This training will guide students' to prepare for all HR interviews and also improve communication skills.**



**Guest Lecture organized with objective “To bridge the gap between Industry and Student” in association with SATKAM on 07 Feb 2024**



**JSPMs Jayawantrao Sawant College of Engineering Hadapsar**  
**Mechanical Engineering Department**



**Campus Placement Batch 2024**



**Anish Sonawane**  
**Shree Cement Ltd.**  
**Package-4.2lpa**



**Kartik Korde**  
**Shree Cement Ltd.**  
**Package-4.2lpa**



**Omkar Kachare**  
**Shree Cement Ltd.**  
**Package-4.2lpa**



**Saqib Shaikh**  
**Shree Cement Ltd.**  
**Package-4.2lpa**



**Sarthak Kathwate**  
**Aprive**  
**Package-6.5lpa**



**Sanket Gondhali**  
**Helical Auto**  
**Package-3lpa**



**Shubada Salvi**  
**Helical Auto**  
**Package-3lpa**



**Sanket Gondhali**  
**Ion Exchange**  
**Package-4lpa**



**Shubada Salvi**  
**Ion Exchange**  
**Package-4lpa**



**Alfiya Inamdar**  
**Neilsoft**  
**Package-3lpa**



**Omkar Chavan**  
**Neilsoft**  
**Package-3lpa**



**Shubham Chaoudhari**  
**Optimas**  
**Package-3lpa**



**Amir Malang**  
**Qspider**  
**package- 3Lpa**



**Kartik Korde**  
**Qspider**  
**package- 3Lpa**



**Chitra Bilagi**  
**SKH groups**  
**Package-3.5lpa**



**Sourabh Dorage**  
**SKH groups**  
**Package-3.5lpa**



## Department of Mechanical Engineering

# Placement in Software Companies

### (Campus Placement 2023 Batch)



Abhishek Kokate  
Fitium Autocorp 8.8 Lpa



Krunal Pawar  
ITC 4.25 Lpa



Ganesh Borse  
ITC 4.25 Lpa



Alisha Bhambur  
Capgemini 4.25 Lpa



Sanyal Chavhan  
Capgemini 4.25 Lpa



Rohini Kankare  
Capgemini 4.25 Lpa



Aaravika Bhutani  
Capgemini 4.25 Lpa



Gaurav Nene  
Capgemini 4.25 Lpa



Aniket Raut  
Capgemini 4.25 Lpa



Arun Wadhwani  
Capgemini 4.25 Lpa



Sanjay Kapse  
Capgemini 4.25 Lpa



Atharva Dhumal  
Capgemini 4.25 Lpa



Shreyas Chavhan  
Capgemini 4.25 Lpa



Aditya Jale  
Capgemini 4.25 Lpa



Shreyas Kamble  
Capgemini 4.25 Lpa



Krunal Pawar  
TCS 4.0 Lpa



Arun Wadhwani  
TCS 4.0 Lpa



Vishal Nerde  
TCS 4.0 Lpa



Rohan Dixit  
TCS 4.0 Lpa



Abhay Kulkarni  
4.0 Lpa



Dhanu Borangale  
TCS 4.0 Lpa



Shreyas Kamble  
TCS 4.0 Lpa



Rahul Baghel  
Houkley 4.0 Lpa



Dipesh Geddy  
Just Dial 3.0 Lpa



Harshal More  
Just Dial 3.0 Lpa



# Department of Mechanical Engineering

## Placement in Core Companies

### (Campus Placement 2023 Batch)



Alisha Mujawar  
Schlumberger 4.29 Lpa



Vishal Nande  
Analyzer CAE 3.0 Lpa



Aniket Sonawane  
Analyzer CAE 3.0 Lpa



Sanket Aurangpore  
Analyzer CAE 3.0 Lpa



Sandip Lokhande  
Analyzer CAE 3.0 Lpa



Anand Warad  
Analyzer CAE 3.0 Lpa



Nikhil Kapare  
Analyzer CAE 3.0 Lpa



Suhas Barangule  
Analyzer CAE 3.0 Lpa



Aditya Jangam  
Helical Auto Technologies  
3.0 Lpa



Rohan Dixit  
Helical Auto Technologies  
3.0 Lpa



Sagar Waykar  
Epitome Components 2.7 Lpa



Ranjithkumar Patil  
2.7 Lpa



Aniket Sonawane  
CIZMAK 2.5 Lpa



Harshad Chavan  
Shivamtech 2.4 Lpa



Sumit Pawar  
Shivamtech 2.4 Lpa



Aniket Sonawane  
Shivamtech 2.4 Lpa



Pranita Jadhav  
Dhone KIA 2.0 Lpa



Saurabh Nhalve  
Dhone KIA 2.0 Lpa



Sagar Waykar  
Dhone KIA 2.0 Lpa



Abhishek Shinde  
Dhone KIA 2.0 Lpa



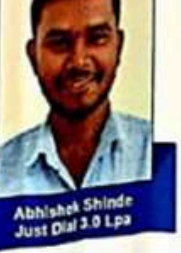
Sandesh Chandurkar  
Dhone KIA 2.0 Lpa



Tejas Galkwad  
Just Dial 3.0 Lpa



Hitesh Markad  
Just Dial 3.0 Lpa



Abhishek Shinde  
Just Dial 3.0 Lpa

# **MECHANICAL ENGINEERING DEPARTMENT CONTACT US**

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**Prof. Vijay Kharade [Dept. DSE Admission Coordinator]**

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**vijaykharade@jspmjscoe.edu.in**

**Dr. Manish Gardi [Institute FE Admission Co ordinator]**

**9890570405**

**manishgardi@gmail.com**

**Visit us on:**

**[www.jspmjscoe.edu.in](http://www.jspmjscoe.edu.in)**

