

Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: jspmjspoly.edu.in. Email ID: principal@jspmjspoly.edu.in

#### "TECHNO-SPARK"

### By

#### **'CIVIL ENGINEERING DEPARTMENT'**

Newsletter Date: 15th April 2024 (Vol. I)

Chief Editor: Prof. T.D.Sayyad (H.O.D. Civil Department) Editor: Prof. N. R. More (Lecturer)

#### **FOUNDER SECRETARY'S MESSAGE**

JSPM's Jayawantrao Sawant Polytechnic was established in 2006 with the objective of creating centre of excellence for education in the field of Engineering. The main objective behind starting the institute was to make technical education available to all who are desirous of achieving it. I also visualized that a social transformation can be brought through the medium of dynamic education, Jayawantrao Sawant Polytechnic is, thus, an institution of technical education with social commitment. With India and Indians, emerging as leaders across various professional sectors, it becomes an even greater challenge for the education sector to nurture and groom such abundant talent, which is all set to take industry's quest for excellence to dazzling new heights. We have created a learning culture, a friendly environment that facilitates complete development of our students. Our three pronged focus on knowledge, skill and attitude is aimed at meeting the needs of our customers, i.e., the industry. To achieve this we have handpicked the best faculty from diverse fields and expertise. We have invested in state of the art facilities, infrastructure and skilled



Prof. Dr. T. J. Sawant Founder Secretary

human resources to supplement the culture and environment of the institute's good governance. Moreover, it is 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.

Prof. Dr. T. J. Sawant, Founder Secretary, JSPM



Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)

Website: <u>ispmjspoly.edu.in</u>. Email ID: <u>principal@jspmjspoly.edu.in</u>



**Principal Message** 



Dr. S. M. Deokar Principal

It is observed that, the students those who are taking admission in the college are especially from rural areas. It is our duty to provide them skills and knowledge to empower and enhance them to meet their goals and achieve grant success in their career.

So, we have already started such efforts in this direction. I confidently welcome the student and promise them that their future shall be bright, if they are ready to take challenges to become successful professionals, giant leaders, entrepreneurs.

Our team is ready to enhance their qualities which are required to be the best Indian professionals and also encourage them to face rigors in the corporate sector. I always motivate the students by saying, "Try to climb high, wings are waiting for you". Jayawantrao Sawant Polytechnic provides a student-centred learning environment with close student-faculty interaction and constant participation of the industry. The emphasis is purposive curriculum, tailored to the needs of the industry and practical training to enable the young graduate easily cope up with the Challenges as they get into industries through periodic seminars, symposia, workshops, industrial visits and internship as an integral part of the courses, So, gear up for the hard work and I am sure you will enjoy your learning years.

With a lots of Best Wishes...!

DR. S. M. DEOKAR Principal



Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: jspmjspoly.edu.in. Email ID: principal@jspmjspoly.edu.in

#### **HOD's Desk**



Prof. T.D.Sayyad HOD

Department offers Diploma in Civil Engineering with 180 intake capacity. Along with fully equipped Workshop facilities, the department has well equipped Laboratories. The department consists of highly qualified, well experienced and dedicated faculties. Department regularly arranges Expert Lectures and Industrial visits along with workshop and seminars for the development of the students in various field. The department encourages and supports students in extra and co-curricular activities like sports and cultural programmes. We are also focused for the campus placements for our students.

Prof. T.D.Sayyad (H.O.D. Civil Department)



Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: jspmjspoly.edu.in. Email ID: principal@jspmjspoly.edu.in

#### **VISION STATEMENT**

"To establish learning environment to reinforce civil engineer who shall maintain professional integrity to serve society with knowledge and skill acquired".

#### MISSION STATEMENT

- M1.To impart sound theoretical and practical knowledge in the discipline of Civil Engineering, through effective teaching and learning process.
- M2. To produce industry and society oriented skillful engineers through co-curricular activities.
- M3. To inculcate the moral values amongst student through extra-curricular activities.

#### CONTENTS

- 1. Achievements
- i. Placement Details
- ii. Toppers In MSBTE Exam
- iii. Winners in Technical Competitions
- iv. Sports
- 2. Department- Curriculum
- i. Departmental Laboratories
- 3. Third Year Students Project Presentation
- 4. Co Curriculum Activities
- i. Industrial Visits
- ii. Expert / Guest Lectures
- 5. Extra Curriculum Activities
- i. Tree Plantation
- ii. Celebration of Days & Jayanti
- 6. Meetings:
- i. Induction Program First Year & Direct Second Year
- ii. Parent Teacher Meet
- iii. Farewell Third Year
- iv. Alumni Meet
- 7. Social Media / News



### **Jayawantrao Sawant Polytechnic**

Sr. No. 58, Indrayani Nagar, Handewadi Road, **Hadapsar, Pune-411028 Phone No: 020(26970320/26970886/887/888)** 



Website: jspmjspoly.edu.in. Email ID: principal@jspmjspoly.edu.in

#### 1.Achievements

### i. Placement Details

> Our department placement details of 2022-2023:

Sr. No.	Name of Student	Company Name	Package
1	Sathe Sangarsh Vishno	Quess Corp. Pvt. Ltd.,Pune	2.7 L
2	Dugane Pratikesh Ram	Quess Corp. Pvt. Ltd.,Pune	2.7 L
3	Manar Bharat Mandlik	Shalan Design & Consultant Pvt. Ltd. Pune	2.0 L
4	Kale Abhijeet	Quess Corp. Pvt. Ltd.,Pune	2.7 L

### ii. Toppers In MSBTE Exam

The principal and the Head of the Departments congratulated all the Toppers of the MSBTE's Winter-2023 examination in the Department. The Class wise toppers are as under:

#### > FIRST YEAR TOPPERS:

Sr. No.	Student Name	Class	Per.
01	RENAKE VIVEK ARUN	FYCE-1	93.77%
02	ATOLE HARSHAD SAMBHAJI	FYCE-2	90.47%
03	UKANI MEET NILESH	FYCE-1	88.00%

#### > SECOND YEAR TOPPERS:

Sr. No.	Student Name	Class	Per.
01	KALBHOR CHAITANYA ANIL	SYCE-1	96.00%
02	SARKATE ARTI VITTHAL	SYCE-1	93.78%
03	KANDE PRATIKSHA SANTOSH	SYCE-1	92.78%

#### > THIRD YEAR TOPPERS:

Sr. No.	Student Name	Class	Per.
01	MIREKAR PRATIKSHA SANJAY	TYCE	84.8%
02	BOBADE AUDUMBAR	TYCE 83.6%	
	BALKRUSHNA	ITOL	03.0/0
03	BELDAR KALPESH SHANTARAM	TYCE	81.4%



Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: <a href="mailto:principal@jspmjspoly.edu.in">principal@jspmjspoly.edu.in</a>. Email ID: <a href="mailto:principal@jspmjspoly.edu.in">principal@jspmjspoly.edu.in</a>.

#### iii. Winners in Technical Competitions

Our Third year civil engineering students have won the first prize in project competition organized by MIT College, Loni, Pune on 13<sup>th</sup> February 2024. The Project name is "**Waste To Best**" Under the guidance of Mr. M. D. Thorat The following are winning Students i) Kalapesh Beldar ii) Vyanktesh Ingalwad iii) Krutuja Rupnar iv) Rudra Binawat v) Aboli Jadhav





➤ Our Third year civil engineering students have won the first prize in project competition organized by Anantrao Pawar College of Engineering & Research, Pune on 4<sup>th</sup> April 2024. The Project name is "**Smart City**" Under the guidance of Mr. M. D. Thorat The following are winning Students i) Mangesh Makwana ii) Nitesh Makwana iii) Tejas Nawale iv) Prajwal Jadhav v) Vibhanshu Kunjir vi) Tanavir Jamadar.







Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: jspmjspoly.edu.in. Email ID: principal@jspmjspoly.edu.in

Our Third year civil engineering students have won the first prize in project competition organized by Rajgad Dnyanpeeth technical Campus, Bhor, Pune on 19th March 2024. The Project name is "Canal Waste Management" Under the guidance of Mrs. P. E. Sangode The following are winning Students i) Harshad Vedpathak ii) Om Aglave iii) Rohit Kamble iv) Dhairyashil Gaikwad.





### iv.Sports

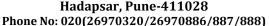
➤ We have arranged college level sports event in first week of January 2024 and these are the some of the remarkable achievements of our departments:

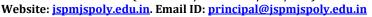
Sr. No.	Name of Game	Name of Student	Prize
1	Volleyball (boys)	<ol> <li>Shivam Zambare</li> <li>Jaipal Rathod</li> <li>Niranjan Bandal</li> <li>Gaurav Naidu</li> <li>Tejas Shelke</li> <li>Zahur Shaikh</li> <li>Tanishq Jagtap</li> </ol>	Winner
2	Cricket	1. Harshad Atole 2. Gaurav Naidu 3. Shivam Zambare 4. Jaipal Rathod 5. Tanishq Jagtap 6. Om Ghavane 7. Sushat Choudhary 8. Niranjan Bandal 9. Aditya Puram 10. Zahur Shaikh 11. Ankiet Suryawashi 12. Sayyad Sadek	Runner Up



### Jayawantrao Sawant Polytechnic

Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028







3	Shotput (boys)	Sadik Sayyad	Winner
4	Carrom (boys)	Harshad Atole	Winner
5	Carrom (boys)	Saksham Gundgire	Runner Up
6	Chess (girls)	Manasvi Kunjir	Winner

#### 2.Department- Curriculum

#### i. Departmental Laboratories

#### 1. Environmental Laboratory:-

Environmental lab is utilized by the diploma students for Public Health Engineering as in third year. Lab has total cost of 1,68,857/-. Major equipment in this Laboratory are BOD Incubator, COD apparatus, Spectrophotometer, digital DO meter, Floculator ect.



#### 2. Surveying Laboratory:-

This laboratory since its inception to the Civil Department carries instruments right from Dumpy Level to advanced Total Station to cater the need of syllabus for diploma students from Second and First year engineering. The laboratory is equipped with instruments like Optical One Second Theodolite and Electronic Total station to be at par with the need of global education system. Total cost of the lab is 6,54,825/-.





### **Jayawantrao Sawant Polytechnic**

Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: <u>ispmjspoly.edu.in</u>. Email ID: <u>principal@jspmjspoly.edu.in</u>

#### 3. Strength Of Material Laboratory:-

Strength of Material lab is equipped with some major instruments like Universal Testing Machine having capacity 10000 tonne and Compression Testing Machine having 1000 tonne. This lab setup adequately caters to the academic requirements of Diploma students. The setup can also be utilized for consultancy work regarding testing of different material such as Steel, Concrete, etc. Total cost of lab is 1149870/-



#### 4. Concrete Technology Laboratory:-

Experiments of Advances concrete technology for Concrete Technology (TY Civil) are performed. Utilized for Research Project of diploma Students. Spacious well equipped laboratory with provision of safety equipment like fire extinguisher, first aid box etc. Consultancy of Testing material i.e. Cement, Aggregate, Steel, bricks, concrete cubes and Concrete mix design are done. Total cost of lab is 1,42,286/-



#### 5. Engineering Mechanics Laboratory

This lab is utilized by first year diploma students for the subject engineering mechanics. The total cost of this lab is 56460/-, major instruments in lab are Worm and worm wheel, screw jack, differential pully block etc.



Jayawantrao Sawant Polytechnic Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028 Phone No: 020(26970320/26970886/887/888)

Website: jspmjspoly.edu.in. Email ID: principal@jspmjspoly.edu.in





### 3. Third Year Students - Project Presentation

#### JSPM'S

JAYAWATRAO SAWANT POLYTECHNIC, HADAPSAR, PUNE.

"DEPARTMENT OF CIVIL ENGINEERING"

#### " FINAL PROJECT EVALUATION SHEET"

TYCE A.Y.2023-24

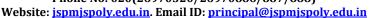
Group No	Roll No	Name Of Students	Project Title
	2	BINAWAT RUDRA DIPAK	
	5	BELDAR KALPESH SHANTARAM	
24CE101	6	JADHAV ABOLI SATIYUG	Eco-Friendly Bricks by using Plastic waste and crush san Dust
	19	INGALWAD VYANKTESH VAMAN	Dust
	20	RUPNAR KRUTUJA SANTOSH	
	22	CHOUDHARY ARTI FUARAM	
	25	MIREKAR PRATIKSHA SANJAY	
24CE102	26	URANKAR KUNAL PRAVIN	Non Newtonian fluid Speed bump
	27	SHITOLE SARTHAK VISHAL	
	30	KALBHOR SWARNAJEET MILIND	
	32	BHADALE YASHRAJ ANIL	
	33	BOBADE AUDUMBAR BALKRUSHNA	
24CE103	36	CHAVAN OM VISHAL	Eco-Friendly Foundry sand used in concrete material
	38	NADE PRATHAMESH GOPAL	
	40	KAMBLE SAKSHI BABURAO	
	21	GAIKWAD DHAIRYASHIL VIJAYSINH	
	24	VEDPATHAK HARSHAD KISHOR	
24CE104	29	JOSEPH CHRIS SANDEEP	Canal Waste Management
24CE104	35	KAMBALE ROHIT PANDURANG	
	37	AGLAVE OM DNYANESHWAR	
	41	GAIKWAD MAHESH SADASHIV	
	4	SHELKE TEJAS HARISHCHANDRA	
	8	SHINDE SHRIRAJ MAHADEV	
24CE105	9	GHODAKE OM VISHAL	Recycling of Post consumer plastic waste into marble ti
	13	SINTRE KRUTIKA SUNIL	
	17	SALUNKE YASH ANIL	
	1	VISHAL NINAD AOCHAR	
	10	SHINDE ANIKET KIRAN	
24CE106	11	BANDAL NIRANJAN RAHUL	Harvesting Of water from fog
	12	MAKWANA NITESH ASHOK	
	16	GHOLAVE SAURABH LAXMAN	
	23	MAKWANA MANGESH ASHOK	
	28	KALE SOHAM AJIT	
24CE107	31	NAWALE TEJAS SHIVAJI	Smartcity (Rural area Developement)
24CE107	34	JADHAV PRAJWAL	Smarteny (Kurai area Developement)



### **Jayawantrao Sawant Polytechnic**

Sr. No. 58, Indrayani Nagar, Handewadi Road, **Hadapsar, Pune-411028** 

Phone No: 020(26970320/26970886/887/888)





	39	KUNJIR VIBHANSHU CHANDRAKANT	
	3	AUTADE PRATHAMESH RAHUL	
	7	DHUMAL YASH SAMBHAJI	
24CE108	14	JAMADAR TANVIR IRFAN	Retrofiting
	15	KAMBLE OM SANTOSH	
	18	PALSANDE VEDANT SHANTARAM	

#### 4.Co - Curriculum Activities

#### i. Industrial Visits

For third year students, Visit is arranged at "BAIF Central Research Station at Uruli Kanchan, Pune", under the subject of Solid Waste Management. Main Purpose of visit is to get awareness about Vermicomposting, Biogas and its components such as how to dispose and recycling of waste, with reuse, recycle, recover and reduce of waste etc. The information is very useful to TY students for the subject Solid waste Management.





➤ A Site Visit is organized on14<sup>th</sup> of Oct. 2023 by Civil Engineering Department. Site Visit For the classes SYCE I & II. The Site Visit taken in **Jackwell construction** site at perane phata. Er. Ravindra A. Karnavat expressed his views about the Jack well Construction .He given all details regarding Jack well Concept arrangement. He guided us how design foundation, cross section of jackwell, beams, bar detailing, column detailing ,different joints given to jack well construction.







Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: <u>ispmjspoly.edu.in</u>. Email ID: <u>principal@jspmjspoly.edu.in</u>

For First year Students, under the subject of Building Material Construction, Visit is arranged at **Malhargad**, **Saswad**, **Pune** On 9<sup>th</sup> March 2024. After reaching the site, the students were given a brief introduction about the Construction Materials and were given a tour around the Malhargad. We found various types of informations such as different types of Stones, Clay, and Old Construction at malhargad.





#### ii. Expert / Guest Lectures

An industrial Expert Lecture on "Advanced Research in Civil Engineering" was organized for second and third year students on date 26-09-2023. The guest speaker was Mr.Dr.Amar Chipade. There were 105 participants. The speaker guided the students about present and future scope in Civil Engineering. He provides information regarding advanced research techniques in civil Engineering. He also suggested various project ideas for present situation of pune city.







Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: <u>ispmjspoly.edu.in</u>. Email ID: <u>principal@jspmjspoly.edu.in</u>

For First year and second year students Guest lecture on "**Meditation and Yoga**" was organized on date 09/09/2023. The guest speaker was . Dr Chandrakant Shendkar, Meditatioj Trainer and Motivational Speaker, Pune. There were 120 participants. The speaker guided the students about the yoga & Meditation for mind health and peace. The lecture was highgly interactive. He guided us yoga & meditation helps the cultivation of a deep collective consciousness of peace and of the individual dignity of each soul.





A Guest lecture on "Surface Preparation before repairs & Rehabitation" was organized for Third year students dated on 07-02-2024 under the subject Maintenance and Repairs of Structure. The guest speaker Mr. Shrikant Sawalkar was the Chief Guest for this Programme. He is the working as the manager of Dimple chmeicals Pvt. Ltd. Pune. He gave information about how any surface or area need to be prepared, precautions to be taken and equipment need for maintenance of structure and how to use different material to remove corrosion on steel structure.







### **Jayawantrao Sawant Polytechnic**

Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: <a href="mailto:principal@jspmjspoly.edu.in">principal@jspmjspoly.edu.in</a>. Email ID: <a href="mailto:principal@jspmjspoly.edu.in">principal@jspmjspoly.edu.in</a>.

#### 5.Extra - Curriculum Activities

#### i. Tree Plantation

On the occasion of Mahatma Gandhi Jayanti, "Tree Planation" was organised on dated 02/10/2023. Purpose of this activity is to get students the aware regarding the Nature and Need of trees in Human life and their responsibilities regarding Nature and Society. Dr. S. M. Deokar (Principal) inaugurates the Tree Plantation Program. Students were actively participated: work as volunteer, make all necessary arrangement of Tree planation. The Plantation is successfully conducted under the guidance of Mrs. T. D. Sayyad (Head of Department), Mr. J. S. Shendage and Mr. A. B. Phule.





#### ii. Celebration of Days & Jayanti

Department of Civil Engineering and CESA committee conducted a programme on "International Women's Day" for First, Second and Third year student on 08/03/2024 from 1.30 pm to 4.30 pm. The speaker was Mrs. T. D. Sayyad, Head of Civil Department. The speaker was introduced by Ms. Y. S. Kawade. The speaker guided the students about several issues such as gender equality, reproductive rights, and violence and abuse against women. Small programme was arranged by department for all students and faculty. Those who have something extra talent such as singing, dancing and one act play are performed by students. Some fun games are arranged by department. The entire session came to end by the vote of thanks delivered by Ms. A. A. Mali.







Sr. No. 58, Indrayani Nagar, Handewadi Road,

Hadapsar, Pune-411028

Phone No: 020(26970320/26970886/887/888)

Website: jspmjspoly.edu.in. Email ID: principal@jspmjspoly.edu.in



> Department of Civil Engineering celebrated "Traditional Day" for First, Second and Third year student on 05/04/2024 from 11.00 pm to 4.30 pm.





Department of Civil Engineering celebrated "Bollywood Day" for First, Second and Third year student on 06/04/2024 from 11.00 pm to 4.30 pm







# Jayawantrao Sawant Polytechnic

Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: <u>ispmispoly.edu.in</u>. Email ID: <u>principal@ispmispoly.edu.in</u>

#### 6.Meetings:

#### i. Induction Program – First Year & Direct Second Year

Department of Civil Engineering conducted an "First Year Induction Programme" for First Year students On 22/08/2023 from 11 am to 1 pm.





#### ii. Parent – Teacher Meet

➤ Department of Civil Engineering has arranged **Parents Meeting** for All FYCE, SYCE & TYCE on 27-02-2024. The speaker was Mr. A. B. Jadhav, Academic Co-ordinator of Civil Department. The speaker was introduced by Mr. A. B. Phule. The speaker guided the students as well as Parents about current academic schedule of department and departmental activities etc. Further the class teachers informed them about result of SWT, attendance and academic Performance of their child. The entire session came to end by the vote of thanks delivered by Mr. A.B. Phule.







Sr. No. 58, Indrayani Nagar, Handewadi Road, Hadapsar, Pune-411028
Phone No: 020(26970320/26970886/887/888)



Website: jspmjspoly.edu.in. Email ID: principal@jspmjspoly.edu.in

#### iii. Farewell - Third Year

➤ Department of Civil Engineering and CESA committee organize "Farewell Party" for Third year students on 10/04/2024 from 12.00 pm to 4.00 pm. In this Programme students express their views about 3 year's college journey, share their experience & thoughts to FY and SY students. Those who have something extra talent such as singing, dancing and one act play are performed by students. Some fun games and activities are arranged by CESA Committee to TYCE Students. The entire session came to end by the vote of thanks delivered by Mr. A. B. Phule.





#### iv. Alumni Meet

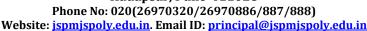
Department of Civil Engineering Organized "Alumni Meet 2023" on 28-04-2023 from 01:00 pm to 4:00p.m in Seminar Hall. In Alumni meet Alumni's Share their thoughts and experience in their life. After the alumni meet programme refreshment is arranged for alumni's in canteen.







Sr. No. 58, Indrayani Nagar, Handewadi Road, **Hadapsar, Pune-411028** 





#### 7. Social Media / News:

Our Third year civil engineering students have won the first prize in project competition organized by Anantrao Pawar College of Engineering & Research, Pune (TechnoThon) on 4th April 2024. The Project name is "Smart City" Under the guidance of Mr. M. D. Thorat The following are winning Students i) Mangesh Makwana ii) Nitesh Makwana iii) Tejas Nawale iv) Prajwal Jadhav v) Vibhanshu Kunjir vi) Tanavir Jamadar.



