



**JSPM's
Jayawantrao Sawant Polytechnic**

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

Hadapsar, Pune-411028

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

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



“TECHNO-SPARK”

By

‘CIVIL ENGINEERING DEPARTMENT’

Newsletter Date: 15th May 2024 (Vol. IV)

Chief Editor: Prof. T.D.Sayyad (H.O.D. Civil Department)

Editor: Prof. N. R. More (Lecturer)

Student Editor: Mr. Kalpesh Beldar

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



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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



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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)**



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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.

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1.Achievements

i. Staff Achievements

- Our department Staff Achievements details of 2023-2024:

Sr. No.	Name of Staff	Type of Activity And details / Name of Publication	Organizing Body or Institute / Publisher
1	Mr. Thorat M. D.	Industrial Training (Staad. Pro. & Open Road Softwares	Tata Consulting Enineers Ltd. Mumbai
2	Mr. Phule A. B.	Emerging trends Opportunities & Challenges- Metro System	TSSM'S Bhivrabai Sawant College of Engineering, Narhe
3	Mr. J. S. Shendage	Application of Artificial Intelligence in Civil Engineering	Vighnahrata Trust's S. S. Jondhale Polytechnic, Asangaon
4	Ms. Aminabi Ansari	Application of Artificial Intelligence in Civil Engineering	Vighnahrata Trust's S. S. Jondhale Polytechnic, Asangaon

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	Percentage
01	Renake Vivek Arun	FYCE	93.77%
02	Atole Harshad Sambhaji	FYCE	90.47%
03	Ukani Meet Nilesh	FYCE	88.00%

➤ SECOND YEAR TOPPERS:

Sr. No.	Student Name	Class	Percentage
01	Kalbhor Chaitanya Anil	SYCE	96.00%
02	Sarkate Arti Vitthal	SYCE	93.78%
03	Kande Pratiksha Santosh	SYCE	92.78%

➤ THIRD YEAR TOPPERS:

Sr. No.	Student Name	Class	Percentage
01	Mirekar Pratiksha Sanjay	TYCE	84.80%
02	Bobade Audumbar Balkrushna	TYCE	83.60%
03	Beldar Kalpesh Shantaram	TYCE	81.40%

iii. Students Achievements in Technical Competitions

- Our Third year civil engineering students have won the first prize in project competition organized by MIT College, Loni, Pune on 13th 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 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.





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- Our Third year civil engineering students have won the first prize in project competition organized by Rajgad Dnyanpeeth technical Campus, Bhore, 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.



2. Third Year Students – Project List

- Our department TYCE student projects details of 2023-2024:

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
24CE101	2	Binawat Rudra Dipak	Bricks by using Plastic waste and crush sand / Dust
	5	Beldar Kalpesh Shantaram	
	6	Jadhav Aboli Satiyug	
	19	Ingallwad Vyanktesh Vaman	
	20	Rupnar Krutuja Santosh	
24CE102	22	Choudhary Arti Fuaram	Non Newtonian fluid Speed bump
	25	Mirekar Pratiksha Sanjay	
	26	Urankar Kunal Pravin	
	27	Shitole Sarthak Vishal	
	30	Kalbhori Swarnajeet Milind	
24CE103	32	Bhadale Yashraj Anil	Eco-Friendly Foundry sand used
	33	Bobade Audumbar Balkrushna	
	36	Chavan Om Vishal	



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	38	Nade Prathamesh Gopal	in concrete material
	40	Kamble Sakshi Baburao	
24CE104	21	Gaikwad Dhairyashil Vijaysinh	Canal Waste Management
	24	Vedpathak Harshad Kishor	
	29	Joseph Chris Sandeep	
	35	Kambale Rohit Pandurang	
	37	Aglave Om Dnyaneshwar	
	41	Gaikwad Mahesh Sadashiv	
24CE105	4	Shelke Tejas Harishchandra	Recycling of Post consumer plastic waste into marble tiles
	8	Shinde Shriraj Mahadev	
	9	Ghodake Om Vishal	
	13	Sintre Krutika Sunil	
	17	Salunke Yash Anil	
24CE106	1	Vishal Ninad Aochar	Harvesting Of water from fog
	10	Shinde Aniket Kiran	
	11	Bandal Niranjana Rahul	
	12	Makwana Nitesh Ashok	
	16	Gholave Saurabh Laxman	
24CE107	23	Makwana Mangesh Ashok	Smartcity (Rural area Developement)
	28	Kale Soham Ajit	
	31	Nawale Tejas Shivaji	
	34	Jadhav Prajwal	
	39	Kunjir Vibhanshu Chandrakant	
24CE108	3	Autade Prathamesh Rahul	Retrofitting
	7	Dhumal Yash Sambhaji	
	14	Jamadar Tanvir Irfan	
	15	Kamble Om Santosh	
	18	Palsande Vedant Shantaram	

3. Co – Curriculum Activities

i. Industrial Visits

- For First year Students, under the subject of Building Material Construction, Visit is arranged at **Malhargad, Saswad, Pune** On 9th 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.



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- Department of Civil Engineering has arranged Site Visit on MSME DEFENCE EXPO at Moshi, PUNE" For TYCE students on 24/02/2024 at International Pune Exhibition or Convention Centre, Moshi, Pune. This Visit is conducted under the subject in MRS and CAA to construction of Army Buildings and their Maintenance of Army Buildings as well as new technology related to Defence. This site visit knowledge is apply on a micro project in respective subject & understand the practical method & techniques.



- Department of Civil Engineering has arranged Site Visit on Tunneling" For SYCE students on 09/03/2024 at Katraj New Tunneling,Pune. This Visit is conducted under the subject in RBE to different types of rocks used in constructions of tunneling & Roads.



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- On 10 Feb. 2024 Industrial Visit Coordinator & concerned subject teachers visited the Solid Waste Treatment Plant at Uruli Devachi, Pune. We found various types of information around the site. Solid Waste treatment such as Storage, Collection, transportation and disposal of solid waste system.



- Department of Civil Engineering has arranged Site Visit on **“Geology laboratory”** For SYCE students on 09/03/2024 at TSSM, BSCOER Narhe, Pune. This Visit is conducted under the subject in Geotechnical Engineering to construction of different types of rocks used in constructions, Different types of minerals used in jewelry & decorative purpose.





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ii. Expert / Guest Lectures

- A Guest lecture on **“Surface Preparation before repairs & Rehabilitation”** 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 chemicals 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.



- Department of civil engineer have arranged Seminar on **“The Blueprint of Success for Engineers”** For FY. Mr. Raghvan Koli was the Chief Guest for this Programme. He delivers seminar on Success for Engineers and How to kill Internet Addictions, Basic observations lead to the inventions. Advantages of 100% Attendance, Attitude: Read and Win and True Stories of Successful Engineers. This seminar was helpful to all FY students.





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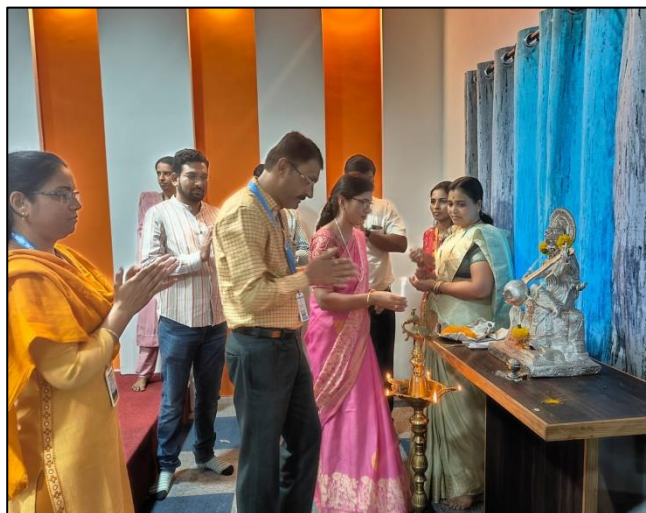
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iii. Parent – Teacher Meet

- 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.



4. Extra – Curriculum Activities

i. Shivjayanti Celebration

- Department of Civil Engineering celebrated shivjayanti on 19 February 2024 from 10.00 am to 12.00 pm.





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ii. Celebration of International Women's Day

- 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.



iii. Traditional Day Celebration

- 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.





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iv. Bollywood Day Celebration

- 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



v. 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.





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5. 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.



टेक्नोथॉन २०२४ मध्ये ‘स्मार्ट सिटी’ प्रकल्प प्रथम

पुणे, ता. ६ : अनंतराव पवार अभियांत्रिकी आणि क्रीडा महाविद्यालयातर्फे आयोजित टेक्नोथॉन २०२४ मध्ये स्वागत्यारंभक हस्तसकल्ये बघवताना सावंत इंजिनिअरिंग विद्यापीठ, कोल्हापूर, मंगेश मकवान, तन्वीर मकवान, तेजस नवाळे, महेश गायकवाड व विभांशू कुंजीर यांनी सादर केलेल्या ‘एनर्जी एफिशियन्सी स्मार्ट सिटी’ प्रकल्पाचा प्रथम पारितोषिक मिळाले.

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‘एनर्जी एफिशियन्सी’ प्रकल्प ‘टेक्नोथॉन’मध्ये अव्वल

लोकमत न्यूज नेटवर्क
पुणे : पर्वती येथील अनंतराव पवार अभियांत्रिकी आणि क्रीडा महाविद्यालयामार्फत टेक्नोथॉनचे आयोजन करण्यात आले. यात अभियांत्रिकीविषयक राष्ट्रीय प्रकल्प राबवण्यात आला.

या स्पर्धेत स्थापत्य वर्गावारीतून हडपसरमधील जयवंतराव सावंत तंत्रनिकेतनचे विद्यार्थी नीलेश मकवाना, मंगेश मकवाना, तन्वीर जमादार, तेजस नवाळे, महेश गायकवाड व विभांशू कुंजीर यांनी सादर केलेल्या ‘एनर्जी एफिशियन्सी स्मार्ट सिटी’ प्रकल्पाचा प्रथम पारितोषिक मिळाले.

यामध्ये सोलर ट्रॅकिंग यंत्र, स्मार्ट इन्स्ट्रुमेंट, ऑटोमॅटिक स्ट्रीट लाईट आणि वायरलेस इलेक्ट्रॉनिक कार स्टेशन अशा विविध संकल्पना सादर केली होती. (वा. प्रा.)

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- Our Third year civil engineering students have won the first prize in project competition organized by MIT College of Engineering, Loni, Pune on 10th February 2024. The Project name is **“Best Out of Waste”** Under the guidance of Mr. M. D. Thorat The following are winning Students i) Kalpesh Beldar ii) Vyankatesh Ingalwad iii) Krutuja Rupnar iv) Rudra Binawat v) Aboli Jadhav.



जेएसपीएमच्या इको-फ्रेंडली प्रकल्पातील विजेते विद्यार्थी.

सावंत पॉलिटेक्निकला प्रथम पारितोषिक

पुणे : लोणी काळभोर येथील एमआयटीएडव्ही युनिव्हर्सिटी येथे आयोजित ‘पर्वती फेस्ट २०२४’ मधील प्रकल्प स्पर्धेत जेएसपीएम हडपसर संकुलातील जयवंतराव सावंत पॉलिटेक्निकच्या सिव्हिल इंजिनिअरिंगच्या अंतिम वर्षातील विद्यार्थ्यांनी प्रथम पारितोषिक पटकाविले. वेस्ट इनटु वेस्ट या टेक्निकल प्रोजेक्ट कॉम्पिटिशनअंतर्गत सावंत पॉलिटेक्निकच्या विद्यार्थ्यांनी ‘इको-फ्रेंडली ब्लॉक्स बाय युजिंग प्लास्टिक वेस्ट अँड क्राशर्स’ या प्रकल्पाचा पुरस्कार मिळाला आहे. प्लास्टिक मटेरिअलला वितळवून क्राशर्ससोबत मिक्स करून त्याचा इको-फ्रेंडली ब्लॉक्स तयार करण्याचा हा प्रकल्प तयार करण्यात आला आहे. कलेस बेल्दार, व्यंकटेश इंगलवाड, कृतिजा रुपनार, रुद्रा बिनावत, अबोली जाधव या विद्यार्थ्यांनी सहभाग घेतला होता. मदर प्रकल्पसाठी विभागप्रमुख प्रा. तबस्सुम सय्यद आणि प्रा. शोरात महादेव यांचे मार्गदर्शन लाभले. प्राचार्य डॉ. सुभाष देवकार, हडपसर संकुल संचालक डॉ. वसंत दुमडे आणि डॉ. संजय सावंत यांनी विद्यार्थ्यांचे अभिनंदन केले.

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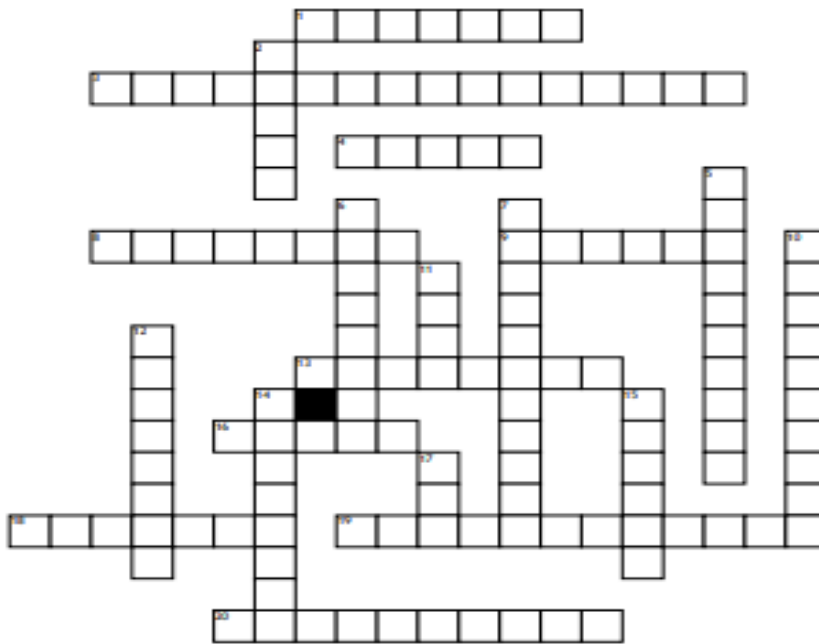
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6. Students Articles

i. Technical cross word

Road Safety



Across

1. This is required by law to drive
3. An area where you should look and listen before crossing
4. Perform this action safely by looking and using a signal
8. A lifesaving restraint
9. They are here to keep us safe!
13. A large vehicle to take precaution around
16. To not be intoxicated

18. How the driver indicates which way they are turning
 19. Something you should avoid while driving
 20. Watch for these to cross the road
- #### Down
2. You apply this to stop your vehicle
 5. A pace by which you must abide by
 6. Slippery roadways that may not appear as so
 7. The indicator of how quickly you are traveling

10. People the driver is responsible for
11. The part of your vehicle that meets the road
12. An area where traffic fines double
14. Emotions to keep under control while driving
15. You should turn these on for safety
17. A digital aid in navigating

Ukani Meet Nilesh
(FYCE)



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ii. Waste Water Management

In today's rapidly urbanizing world, one of the most pressing environmental concerns is the management of wastewater. For civil engineers, especially those of us pursuing a diploma, wastewater management isn't just a topic in the curriculum—it is a real-world challenge that requires innovative thinking, practical solutions, and strong community awareness. As budding civil engineers, we study and understand the importance of planning, designing, and implementing effective wastewater treatment systems. From constructing sewage networks to designing treatment plants, our role is to ensure that the water leaving homes and industries is treated before it enters natural water bodies.

As diploma civil engineering students, we believe that managing wastewater efficiently is not just an engineering responsibility—it is a societal one. By integrating technical skills with environmental ethics, we aim to contribute toward building cleaner and healthier communities.

Choudhary Arti Fuaram
(TYCE)

iii. New Technology in Construction – Shaping the Future of Civil Engineering

The construction industry has undergone a major transformation in recent years with the rise of innovative technologies. As civil diploma students, we are excited to be part of an era where traditional methods are being upgraded by smarter, faster, and more sustainable solutions. The new construction technologies are Building Information Modelling (BIM), 3D Printing in Construction, Precast and Modular Construction, Drones and Surveying, Green and Sustainable Technologies, Smart Materials & Sensors.

Pawar Sayali Sharad
(FYCE)

7. Upcoming Events

- The new academic year 2024-2025 will start from 15th July 2024.
- In the month of November the MSBTE's Winter-2024 examination will start.