

The ACHIEVERS' SCROLL

DTE CODE 3470
MSBTE CODE 1742



YASHWANTRAO BHONSALE
INSTITUTE OF TECHNOLOGY

NEWSLETTER

Civil Engineering Department

October 2025

DIRECTOR'S DESK



Hon. Achyut Sawantbhonsale
Executive Chairman, SYBES

I am incredibly happy to know that Civil Department is coming with its another issue of Newsletter 'Achievers' Scroll' for the academic Year 2025-26. Today, the role of the institute is not only to pursue the academic excellence but also to nurture the holistic development in them. I appreciate the efforts taken by the department for the overall development of students. On our part, we are always trying to provide the best to our students. Definitely, our future engineers will shine in all fields. I congratulate the team of Newsletter for taking the efforts and I wish good luck to all.



To instil fundamental principles of civil engineering in our students which inspire them to create innovative solution.

MISSION

To develop problem solving skills of our students through quality education

To introduce our students and faculty with outside world for their holistic development.

To serve the society through technical contribution in Civil Engineering.

FIELD VISIT AT YBIS CAMPUS



Department of Civil Engineering organized a field visit for TYCE class at YBIS Campus, Charathe on 23rd of January 2025. The aim of the visit was to conduct Rebound Hammer Test on RCC members. In this visit the students conducted Rebound Hammer Test on RCC columns and Plinth Beams of new YBIS building. It is a Non-Destructive test which give quick and easy estimation of the compressive strength of concrete without damaging it.

The visit was coordinated by Mr. P. D. Naik and Mr. V. D. Gawade sir.

HOD'S DESK



P. P. Sawant
HOD, Civil Dept.

Its my great pleasure to announce that our department is coming with its Newsletter 'The ACHIEVERS' . Our Civil department has always been dedicated in its efforts bringing dynamism in the lives of students. The department is trying to foster all skills in our students and for this, Curricular and extra-curricular activities give outlet to the hidden talent of our students. This newsletter will focus on the students' steady development towards future. So I congratulate all for bringing this issue and I hope that we will receive good response from all.

WORKSHOP ON PROFESSIONAL BUILDING



Glimpse of 2 days' Workshop

Second and Third year of civil engineering students from YBIT Diploma wing attained a two day workshop on Professional building estimation from 27-2-2025 to 28-2-2025. The workshop started with Inauguration ceremony in which the vice principal of YBIT Mr.G.A .Bhosale sir encouraged the students to actively participate in the workshop. The HoD of Civil Engineering dept. Mr.Prasad Sawant sir explained to students the importance and need of organising such workshop. Prof.P.S.Koli (P.hD Scholar Civil Engineering) Director, Swami Samarth Training Academy conducted this workshop. The main objective of this workshop was to be conducted to facilitate the creation, organization, and analysis of data, enabling users to build detailed cost estimates, track project expenses, and make informed decisions based on calculations and data analysis. The primary objective of professional building estimation is to accurately predict the total cost of a construction project, enabling informed decision-making regarding feasibility, budgeting, and bidding. Students got valuable knowledge about this software.

A total of 56 numbers of students attained this workshop. Students got valuable knowledge about this software.

FIELD VISIT AT YBIS CAMPUS



The Department of Civil Engineering organized a field visit for students of FY Civil class for course Building material and Construction on Masonry bonds, Plastering, Scaffolding, Formwork, Water proofing method, Staircase components, Painting methods on 22th Feb 2025 at New YBIS building, near shilpagram sawantwadi. Students observed components of scaffolding, mortar proportions, internal and external painting methods and technical terms of Staircase, formwork. The visit was coordinated by Mrs Nandita Yadav madam and Mr V.D.Gawade sir

NATIONAL LEVEL TECHNICAL QUIZ EVENT



Hearty congratulations 🎉🎉 to our TY Civil Engineering student from (YBIT Diploma wing) Mr. Keshav Bhagwan Barde for securing 1st Rank and Cash prize of Rs. 1000 in Technical Quiz, a National Level Technical Event SHODH 2k25* held on 8th March 2025 by Gharda Institute Of Technology Level, Khed.

PARENTS MEET



Yashwantrao Bhonsale Institute of Technology, Sawantwadi (Polytechnic Wing) organised Parent-Teacher Meet of all departments on 07th March 2025. We organize parents meet every semester to share the progress of each department with the parents and to address the concerns of the parents. For this meet all departments HOD's, all teaching and non-teaching staff members & total 629 Parents were presents. Appreciation of all branch toppers.

All departments HOD's interact with parents and shared academic report TPO Mr. Milind Desai sir informed the parents about the different job opportunities and various TPO activities organized for this semester. In this meeting parent representative Mr. Pravin Sawant sir shared his view, he said that daughter took admission in this campus and it was my correct decision. Vice principal Mr. G. A. Bhosale sir informed the parents about the MSBTE academic calendar for the current semester and the efforts taken by the institute for improving the performance of our students. Shared with the parents the details of different activities organised by YBIT and campus discipline.

The principal of YBIT Dr. Raman Bane sir addressed the parents and guided to parents regarding new curriculum (K-scheme) and also gave instruction to students for safe drive of the two wheelers. Event anchoring and Vote of Thanks was done by Mr. A. G. Prabhu sir.

After the meeting all parents meet to respective mentors.

FIELD VISIT AT WASTE DISPOSAL PLANT



Department of Civil Engineering organized a field visit for TYCE class at Karivade Waste Disposal Plant on 13th of March 2025. The aim of the visit was to understand the method and machinery used for disposal of Municipal Solid waste and make a Photographic Report. At the site students were guided by Plant Supervisor Mr. Akshay Pandit and Mr. Gauresh Waskar .

Waste disposal and treatment plants are critical infrastructure designed to manage, process, and treat various types of waste generated by human activities. These facilities play a vital role in protecting the environment, public health, and promoting sustainable waste management practices.

Waste treatment can lead to job creation, resource recovery, and reduced disposal costs.

Effective waste treatment ensures that wastewater is safe for discharge into the environment, protecting public health.

In this visit following SWM practices were covered. Waste generation and waste segregation equipment's. Compaction of waste using baling machine. Recycling and recovery of Biodegradable and Non-biodegradable waste Biogas Plant and Mechanical Composting Vermin composting. Disposal methods implemented and manpower/equipment/Vehicles used for Waste management in Sawantwadi taluka. The visit was coordinated by Ms. H. S. Shaikh and Mr. V. D. Gawade

FIELD VISIT AT PANCHAMI HEIGHTS



The Department of Civil Engineering organized a field visit for students of FY Civil class for course Building material and Construction on 22nd March 2025 at Panchami heights Near R.P.D college sawantwadi.

The main objective of this visit was to observe a construction site which offers a unique opportunity to gain practical insights into the theoretical knowledge learned in classrooms about building materials and construction techniques.

Students observed components of door, windows, mortar proportions, internal and external plastering methods and technical terms of roofing and flooring.

The visit was coordinated by Mrs Nandita Yadav madam and Mr V.D.Gawade sir

FACULTY CONTRIBUTION TOWARDS MSBTE TRAINING

Heartiest congratulations to Mrs.Nandita Yogesh Yadav, Lecturer - Yashwantrao Bhonsale Institute of Technology (Diploma Wing) for successfully completing a MSBTE and L & T skill trainers academy madh jetty Mumbai sponsored Faculty development and training program (FDTP) in offline mode, entitled *"Emerging trends in civil engineering"* organised by L & T skill trainers academy madh jetty Mumbai. From 9.12.2024 to 13.12.2024.

FIELD VISIT AT WATER TREATMENT PLANT



Department of Civil Engineering organized a field visit for SYCE class at Chandel Water Treatment Plant, Pernem, Goa on 3rd April 2025. This water treatment plant is of 30MLD capacity and it supplies drinking water to Pernem and Arambol Taluka of North Goa. The aim of the visit was to understand the process of purification of water and make a Photographic Report. A visit to a water treatment plant (WTP) offers invaluable learning opportunities, particularly for those interested in public health, environmental engineering, and civil engineering. It bridges the gap between theoretical knowledge and practical application, allowing individuals to witness the purification process firsthand. At the site, students were guided by Plant Supervisor *Mr.Denzel Dsouza* . In this visit students observed following processes-

- ◆ Types of Valves
- ◆ Screening
- ◆ Cascading Aerators
- ◆ Clariflocculator
- ◆ Flash Mixer
- ◆ Disinfection
- ◆ Rapid Sand Filter
- ◆ Backwashing
- ◆ Lab tests on water
- ◆ Pump Distribution

The visit was coordinated by Mr.Parth Naik and Mr. V. D. Gawade .

STUDENTS CONTRIBUTION TOWARDS MSBTE SUMMER 2025 EXAM

Shri Yashwantrao Bhonsale Education Society's
YASHWANTRAO BHONSALE
INSTITUTE OF TECHNOLOGY

सिंधुदुर्ग जिल्ह्यातील अद्ययावत त्रैक्षणिक संकुल

सर्व यशस्वी विद्यार्थ्यांचे मनःपूर्वक
झिंझिंझ
(डिप्लोमा विंग)

भोसले नॉलेज सिटी, चराटे - वझारवाडी, ता. सावंतवाडी

**CIVIL ENGINEERING
RESULT SUMMER 2025 EXAM**

**2nd YEAR
24-25**

1st	2nd	3rd
		
BHIKE AUDHAV VILAS 84.34%	NARVEKAR AYUSH VISHAL 83.87%	PADATE RUDRESH AATMARAM 81.78%

**3rd YEAR
24-25**

1st	2nd	3rd
		
DANTAS STELLA MANVEL 86.47%	DALAVI PRAJYOT PRADEEP 86.42%	BARDE KESHAV BHAGWAN 85.26%

**BHONSALE
KNOWLEDGE
CITY**

Shri Yashwantrao Bhonsale Education Society's
YASHWANTRAO BHONSALE
INSTITUTE OF TECHNOLOGY

सिंधुदुर्ग जिल्ह्यातील अद्ययावत त्रैक्षणिक संकुल

सर्व यशस्वी विद्यार्थ्यांचे मनःपूर्वक
झिंझिंझ
(डिप्लोमा विंग)

भोसले नॉलेज सिटी, चराटे - वझारवाडी, ता. सावंतवाडी

**CIVIL ENGINEERING
RESULT SUMMER 2025 EXAM**

**1st YEAR
24-25**

1st	2nd	3rd
		
RAGAJI SOHAM AMIT	PUJARE NEHAL GANESH	KHORJUVEKAR AADITYA GOVIND

**BHONSALE
KNOWLEDGE
CITY**

STUDENTS CORNER



Recent trends in civil engineering

Recent trends in civil engineering highlight a shift towards sustainable, technologically advanced, and resilient infrastructure.

Here's a more detailed look at some of these trends:

- Smart Cities and Digital Twins:** The development of smart cities relies on integrating technology to improve infrastructure planning, management, and efficiency. Digital twins, virtual representations of physical infrastructure, allow engineers to simulate and analyze performance, optimize designs, and predict potential issues.
- 3D Printing in Construction:** 3D printing is revolutionizing construction speed and complexity, enabling the creation of intricate designs and potentially reducing construction time and costs.
- AI and Machine Learning:** AI and machine learning are being used for various applications, including design optimization, predictive maintenance, and automating tasks on construction sites.
- Sustainability:** Civil engineers are increasingly focused on sustainable practices, including the use of eco-friendly materials, minimizing waste, and incorporating renewable energy sources.
- Modular Construction:** Prefabrication and modular construction techniques, where building components are constructed off-site and assembled on-site, are becoming more prevalent, offering faster construction times and potentially lower costs.
- Drones and Geospatial Tools:** Drones are being utilized for site surveying, mapping, and inspection, while geospatial tools like GIS provide valuable data for planning and management.
- Resilient Infrastructure:** Building infrastructure that can withstand extreme weather events and natural disasters is a growing priority.
- Advanced Materials:** The development of innovative materials, such as self-healing concrete, is contributing to more durable and sustainable infrastructure.
- Building Information Modeling (BIM):** BIM facilitates better collaboration, coordination, and information management throughout the construction lifecycle.
- Robotics:** Robots are increasingly being used in construction for tasks like welding, bricklaying, and demolition, improving safety and efficiency.

Prajyot Radeep Dalavi
(TYCE)