

# The ACHIEVERS' SCROLL

DTE CODE 3470  
MSBTE CODE 1742



YASHWANTRAO BHONSALE  
**INSTITUTE OF TECHNOLOGY**

NEWSLETTER

Civil Engineering Department

OCTOBER 2023

## 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 2023-24. 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.



**VISION**

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.

## Expert Lecture on Organizational work setup in PWD



The Department of civil engineering organized the guest lecture on 13 April 2023 on topic "Organizational work setup in PWD and function. The guest lecture was conducted by Mr Nandkishor Chougule from VPM Veleneshwar. The guest lecturer was very interesting sir delivered the valuable information regarding organizational set-up which may be used in government and private sector and delivers the knowledge about how it will work. The main objective of this guest lecture was to understand work setup of organization and duties of various person. From this guest lecture student can understand how to execute the methods of PWD for initiating the works The guest lecture was organized by Mr P.P. Sawant HOD civil engineering, Mr. K.R. Manerikar and Mr V.D Gawade. Was present for Lecture

## HOD'S DESK



**P. P. Sawant**  
HOD, Civil Dept.

It's 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.

## Webinar on Expansion Joints and Bearing of Bridges



Yashwantrao Bhonsale polytechnic successfully attended the webinar on Expansion Joints and Bearing of Bridges for second-year civil students. The Speaker was Er S. S. Gaharwar, Chief Scientist & Former Head, Bridge Engineering & Structures Division; CSIR-Central Road Research Institute, New Delhi, He gives knowledge to the students about the different types of expansion joints, and sources of joints and also gives brief information about the bearing in bridges and many more. The webinar was organized by UltraTech Cement Ltd & Indian Concrete Institute Ghaziabad Centre.

## FIELD VISIT- SOLID WASTE SEGREGATION AND RECOVERY PLANT



On dated 28 Mach 2023 Department of Civil Engineering arranged field visit for TY CE students for the course SWM (22605) at Karivade Solid waste Segregation and Recovery Plant as well as Vermi compost Plant. Mr. pandurang Natekar , Sanitary Inspector Municipal corporation and Mr. Shivram Tawate , Plant Supervisor guided students about methods used for handling and segregation of solid waste. They also explained about the “Vermi Composting Plant”, Mechanical composting steps and demonstrated the working of machinery used for compaction of waste. Visit coordinated by Ms H.S.Shaikh and Mr. V.D.Gawade.

## FIELD VISIT- AMBERI BRIDGREGRE



On dated 6 April 2023 Department of civil engineering arranged a field visit at Amberi Bridge Mangaon for Second year civil engineering students under the course of Railway and Bridge Engineering, the main aim of this visit was “To Identify the different component part of Bridge”. Mr. Pratap Murty, owner of Trimurti construction gave the details information about components of the bridge and he shared the valuable points which were necessary for the design and construction of the bridge and Also site Engineer Mr Bandekar sir showed how to construct the bride superstructure and Sub structure. The visit was Conducted by Mr.K.R.Manerikar , Mrs.N.Y.Yadav and Mr. V. D. Gawade. This visit was organized by Mr .P. D.Naik

## WEBINAR ON “SUSTAINABLE CONSTRUCTION MATERIAL:



On dated 18 Mach 2023 Department of Civil Engineering, Yashwantrao Bhonsale Polytechnic successfully attend the Webinar on “Sustainable construction material: Towards net zero carbon” for third year civil students. The speaker was Mr.Ashish Singhai, concrete technologist, consultant, Indore. He gave the knowledge to the students about the types of Sustainable construction material, how the construction effect on environment to carbon emission, ways to reduce carbon emissions, advantages of reuse and recycle the material and many more. The webinar was organized by Ultra tech cement and Indian Concrete Institute.

## MSBTE SPONSORED STATE LEVEL PAPER PRESENTATION COMPETITION



Inauguration Ceremony of  
MSBTE Sponsored Technical Paper Presentation Competition  
(Mumbai Region)



The department of Civil Engineering of YBIT, organised a “MSBTE sponsored State Level Paper Presentation Competition” on dated 17 April 2023 for Mumbai Region. For this competition students from 23 colleges had participated out of which 15 were selected for online presentation. The event began with an Inauguration Ceremony which was attended by Hon. Dr S. G. Taji sir, deputy secretary, MSBTE (Mumbai Region), Hon. Executive Chairman of SYBES Mr. Achyut Sawant-Bhonsale sir, jury members Mr. Deepak D Badekar , HOD of Civil department GP, Malvan and Mr. Rajesh Yadav sir director Krushnai Construction, Malvan, Principal of YBIT Mr. G. A. Bhosale sir and HoD of Civil Dept. Of YBIT Mr. P. P. Sawant sir. After the traditional lamp lighting ceremony Mr. P. P. Sawant sir did welcoming of all guests, addressed all the participants and gave them instructions about the event. Then our Principal Mr. G. A. Bhosale sir gave his best wishes to all the participants and encouraged them to participate more in such events. Hon. Dr S. G. Taji sir addressed everyone online from his office. He commended our institute as the best polytechnic in the region. He also urged the diploma students to increase their participation research work. Hon. Executive Chairman of SYBES Mr. Achyut Sawant-Bhonsale sir, also addressed all the participants and gave them his best wishes. Overall anchoring and vote of thanks for Inauguration Ceremony was done by Ms. H. S. Shaikh madam.

## CONTRIBUTION IN NPTEL COURSE

Ms Hawabi Shaikh Lecturer in Civil Engg. Department of Yashwantrao Bhonsale Polytechnic, Sawantwadi for successfully completing AICTE approved 8 weeks (23/01/23 to 17/03/23) NPTEL course "Roadmap For Patent Creation " by IIT Kharagpur.

## CONTRIBUTION IN TECHNICAL PAPER PRESENTATION

Our departmental students were publishing their final year project paper in various journal paper

### Paper Title: “ZERO ENERGY BUILDING”

Author name: Mr. Chinmay Ashish Kadam, Mr. Sagar Rajesh Karekar, Ms. Saloni Mahadev Palav, Mr. Yashavant Suresh Kudalkar, Mr. Chaitanya Narayan Sutar, Mr. Durvesh Rajesh Raorane, Mr. Mayur Suresh Mohite, Prof. Prasad Prakash Sawant

Title of Journal: International Research Journal of Modernization in Engineering Technology and Science  
Volume:05/Issue:05/May-2023 Impact Factor- 7.868  
www.irjmets.com

### Paper Title: “Design a Scale Model of Campus by Total Station”

Author name: Divyank Budhbushan Hewalkar, Ganesh Suresh Gawade, Sakharam Suresh Jadhav, Amar Sitaram Parab, Harshal Suresh Akerkar, Aditya Arvind Salgaonkar, Prof.Keshav Ramdas Manerikar, Prof. Nandita Yogesh Yadav

Title of Journal: International Journal of Scientific Research in Engineering and Management (IJSREM)  
Volume: 07 Issue: 07 | July - 2023 SJIF Rating: 8.176  
ISSN: 2582-3930.

### Paper Title: “Earth Moving Equipment (Dumper and Excavator) Management in Mining Project”

Author name: Mr. Aditya Mahesh Gode, Mr. Akbarshah Hussain Makandar, Mr. Swaroop Shriprasad Shenai, Mr. Shankar Laxman Dalvi, Prof. Nandita Yogesh Yadav.

Title of Journal: IJSRD - International Journal for Scientific Research & Development  
Vol. 11, Issue 3, 2023 | ISSN (online): 2321-0613

### Paper Title: “ANALYSIS AND DESIGN OF A RETAINING WALL”

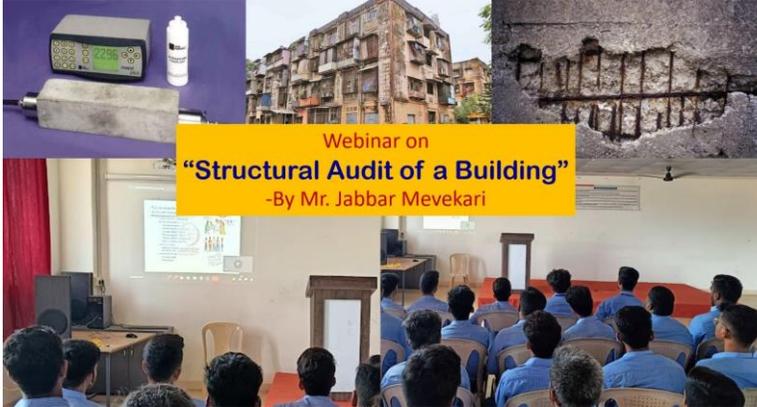
Author name: Ms. Hawabi S. Shaikh, Mr. Parth D. Naik, Ms. Vaishnavi V. Talekar, Mr. Prathamesh D. Gawas, Mr. Joy M. Dantas, Ms. Siddhi S. Sawant, Mr. Yash S. Padkil

Title of Journal: International Research Journal of Modernization in Engineering Technology and Science  
Volume:05/Issue:08/August-2023 Impact Factor- 7.868  
www.irjmets.com

## CONTRIBUTION IN MSBTE SUMMER 2023 EXAM

Heartily congratulation to Mr. Aditya D. Jadye who scored 70 out of 70 marks in Hydraulics course under the Guidance’s of Mrs.N.Y.Yadav.

## WEBINAR ON "STRUCTURAL AUDIT OF A BUILDING"



Webinar on  
"Structural Audit of a Building"  
-By Mr. Jabbar Mevekari

Department of Civil Engineering organised a webinar on "Structural Audit of a Building" on 12th April 2023, for the students of TYCE class. The guest speaker for this topic was Prof. Jabbar Mevekari, HOD, Dept. of civil engineering, SIT, Panhala. He discussed various causes of failures and degradation mechanisms in concrete structures, methodology of conducting a structural audit and a case study of an actual structural audit conducted by him. Welcome of the guest and vote of thanks was given by Ms. Hawabi Shaikh madam. Webinar was organized by Mr. P. D. Naik and HOD Mr. P. P. Sawant sir.

## CONTRIBUTION IN MSBTE EXAM

YASHWANTRAO BHONSALE  
**POLYTECHNIC**  
www.sybespolytechnic.com

सिंधुदुर्ग जिल्ह्यातील अद्ययावत शैक्षणिक संकुल  
**यशवंतराव भोसले**  
**पॉलिटेक्निक**  
भोसले नॉलेज सिटी, चराटे (यशमवाडी), ता. सावंतवाडी,

सर्व यशस्वी विद्यार्थ्यांचे मनःपूर्वक  
**द्विप्रतिपद**

**CIVIL ENGINEERING**  
**RESULT SUMMER 2023 EXAM**

**2<sup>nd</sup> YEAR**  
22-23

1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Aditya Durgaprasad Jadye 87.16%	Balkrishna Sushil Parab 86.13%	Narayan Sanjay Galeikar 86.00%

**3<sup>rd</sup> YEAR**  
22-23

1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>
Gode Aditya Mahesh 86.84%	Gawas Kedarnath Rajan 86.53%	Gawas Prathamesh Dipak 86.16%

**BKC** **BHONSALE KNOWLEDGE CITY**

## STUDENTS CORNER

### Drone Surveying:



Drone surveying in the field of civil engineering students are at the forefront of incorporating drone technology into their studies and future careers.

Drones offer a multitude of benefits, streamlining processes, improving safety, and providing valuable data for various applications in civil engineering.

By embracing drone technology and acquiring the necessary expertise, civil engineering students can position themselves to drive innovation and excel in the evolving landscape of civil engineering.

### Benefits for civil engineering students

**Hands-on learning:** Drones offer a practical approach to learning complex civil engineering concepts, allowing students to apply theoretical knowledge to real-world scenarios.

### Skill development:

Drone operation requires a combination of technical and

Soft skills, including spatial reasoning, problem-solving, data analysis, and teamwork.

### Career preparedness:

The increasing use of drones in the construction industry highlights the importance of drone-related skills for future civil engineers, making students with such expertise highly sought after.

### Exploring innovative applications:

Students can explore new and innovative uses for drones, such as material delivery, 3D printing, and integration with other technologies like AI and BIM.

### Key applications for civil engineering students

- Site Surveying and Mapping
- Progress Monitoring
- Safety Inspections
- Environmental Monitoring
- Infrastructure Maintenance

**Keshav Bhagwan Barde,**  
TYCE.