

# CIVIL'IVE NEWSLETTER

*The official e-newsletter of The Department of Civil Engineering,  
Symbiosis Institute of Technology*



ENGINEERS' DAY  
2023  
CELEBRATIONS -  
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## About Civil'ive

WRITTEN BY PRANAV JADHAV AND RIYA VISHWANATH (TY)

CIVIL'IVE is the e-Newsletter of Department of Civil Engineering, Symbiosis Institute of Technology, Pune. This is a communication method suited to the needs and concerns of the time, which will carry information concerned to the important events, happenings, and achievements of the department. This will further create a sense of belongingness amongst the faculty team and students. This e-Newsletter is also intended to provide a stage to showcase the talent of the faculty team and students of the department.



**Prof. Sagar Kolekar - Editorial Secretary**  
**Pranav Jadhav - Chief Editor**  
**Riya Vishwanath - Co-Editor**



# **Vision and Mission of the Department**

## **Vision- Department of Civil Engineering**

To contribute to the society by imparting quality education, professionalism, and entrepreneurial skills in the field of Civil Engineering to produce globally competent engineers.

## **Mission- Department of Civil Engineering**

- To impart the latest state of art research-led technical education and skills in a congenial learning environment to meet global societal needs.
- To inculcate professional ethics and lifelong learning through curricular and co-curricular activities.
- To nurture innovation and encourage entrepreneurship in Civil Engineering.

## **Program Educational Objectives (PEOs)**

**PEO1** – To apply fundamental skills, knowledge of analysis and design to all the applications in civil engineering.

**PEO2** – To contribute towards the development of society by providing solutions with sensitivity towards built environment.

**PEO3** –To demonstrate professional and leadership ability for becoming successful entrepreneurs.

# ENGINEERS' DAY 2023 CELEBRATIONS

Every year, India celebrates Engineers' Day on September 15 to commemorate the birth of the visionary and pioneer engineer, statesman and the diwan of Mysore- Sir Mokshagundam Visvesvaraya. He is often stated to be the first civil engineer of India, thus this day holds a special place in the hearts of all civil engineers.

That being said, celebrations are a must for this day. The Department of Civil Engineering had organized a plethora of events on this day.

The celebration took place at the Seminar hall in Symbiosis Institute of Technology.

The day started with a lovely lamp lighting ceremony in the presence of the Director- Dr. Ketan Kotecha.



Key highlights of the day were the felicitation of the Team Varuna- ASCE Concrete Canoe 2023, Guest talk by the esteemed guest- Mr. Atul Manurkar and the investiture ceremony for the new CESS-ASCE Team 2023-24.

For more insights, please refer to the respective sections ahead.



# INTERNATIONALIZATION

## VISIT OF DELEGATES FROM SINGAPORE POLYTECHNIC INTERNATIONAL

The delegates from Singapore Polytechnic International- Ser Khoon Toh and Frank Lee visited the Department of Civil Engineering on August 3, 2023. A possible collaboration in student exchange and student projects was discussed.



## VISIT OF PROF. MUGDHA TO EUROPE.



Prof. Mugdha Kshirsagar, Assistant Professor, Civil Engineering Department, SIT Pune and PI of PAVITR Project, EU-India Horizon 2020 visited Austria and Italy for project meeting, funded by the Department of Science and Technology, Government of India. "It was indeed a learning experience to visit the various nature-based solutions designed and installed by IRIDRA for the treatment of wastewater from the wineries of La Solatia, Gretole, Villa Cerna and Cecchi wineries in the Siena province," said Prof. Mugdha.

## DR. SAYALI SANDBHOR ATTENDS AND PRESENTS PAPERS AT THE SEEDS INTERNATIONAL CONFERENCE 2023 UK

The International SEEDS Conference aimed at bringing together experts from around the world to focus on changes required to minimize the impact of human activity on the environment. SEEDS is organized and co-hosted by Leeds Beckett University, the University of the West of England, Bristol, University of Suffolk and Loughborough University, with the goal of offering an integrated platform for academics and practitioners to reveal their personal and collective contributions towards the seventeen priorities of the SDGs. The Head of Department of Civil Engineering attended the conference and presented two papers there. Her triumph at the event in detail on page- 13



# INTERNATIONALIZATION

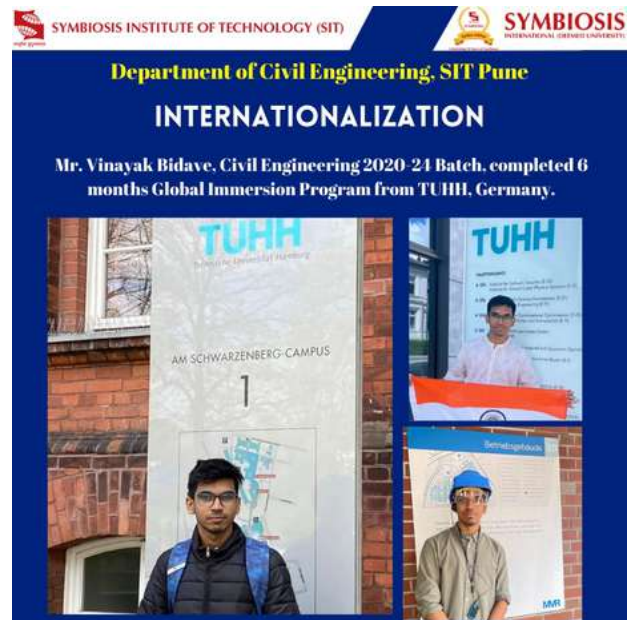
## STUDENT VISIT TO THE UNITED STATES OF AMERICA

Ms. Nidhi Jagnani, Civil Engineering 2021-25 Batch, recently visited the United States of America to attend the International Expo and the steel conference (NASCC).



## SUCCESS OF THE GLOBAL IMMERSION PROGRAMME

A student from the 2020-2024 batch of Civil Engineering, Mr. Vinayak Bidave achieved the feat of completing the Global Immersion Program From TUTT Germany. The student returned India after the completion of his six month programme.



## NEW STUDENT CHAPTER AT SIT

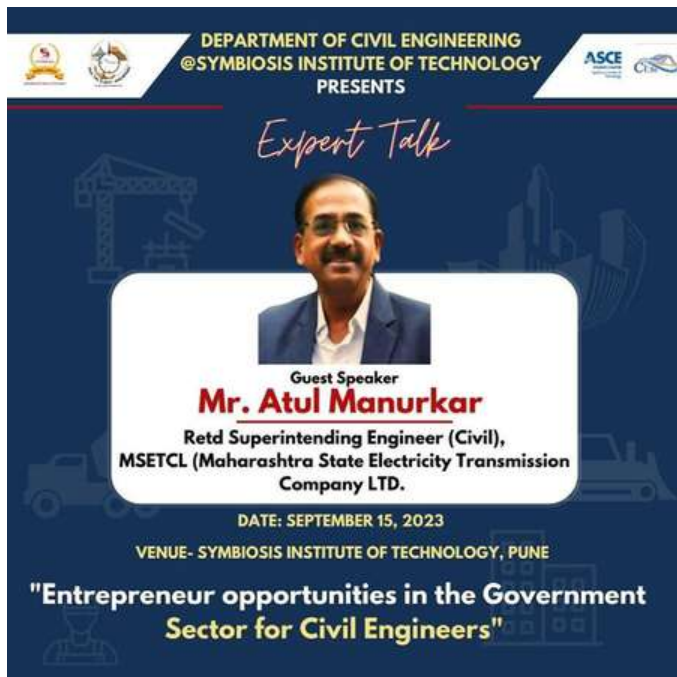
IEEE GRSS student chapter- Symbiosis Institute of Technology was officially inaugurated by Dr. Poul Rosen, Director Global Activities IEEE GRSS and Dr. Gulab Singh Chairi, IEEE GRSS Bombay Chapter. Two of the professors from the Department of Civil Engineering- Prof. Rushikesh Kulkarni and Prof. Humera Khanum were present for this occasion.



# GUEST TALKS AND INDUSTRY CONNECT

## EXPERT TALK ON ENGINEERS' DAY

The guest of honor for the Engineers' Day 2023 celebrations was Mr. Atul Manurkar. The guest provided the students with a great talk on the topic- 'Entrepreneur opportunities in the Government Sector for Civil Engineers.' The guest himself is a retired Government employee and thus guided the students on this topic with his vast knowledge and experience.



## CO ORGANIZING OF FERROCEMENT CONVENTION AT COEP

The department of Civil engineering successfully co-organized the bi-annual Ferrocement Convention at COEP with offline participants from USA, Pan India and Online from Bangladesh. Dr. Vaishnavi Dabir, Prof. Mugdha Kshirsagar, Prof. Rushikesh Kulkarni from Civil Engineering Department, SIT Pune hosted the event.

## CREDAI-SIT COLLABORATION MEETING

Mr. Kapil Trimal visited the Department of Civil Engineering on July 25, 2023 to discuss a possible collaborative effort between Symbiosis Institute of Technology and CREDAI.



# GUEST TALKS AND INDUSTRY CONNECT

## CREDAI PRESIDENT ADDRESSES THE STUDENTS

Mr. Satish Magar, National President CREDAI (Confederation of Real Estate Developers Association of India) visited SIU and addressed the students and faculty as a part of AturSangtani Lecture Series Program 2023 on 28 July 2023..



## GUEST TALK BY MR SAMEER GUJAR

The guest, Mr. Sameer Gujar delivered a talk to the students of the Department of Civil Engineering, SIT on the topic of 'Opportunities & Role for Civil Engineers.'



## PCERF GUEST VIST TO SIT

Dr. Uday Phatak and Er. Shriniwas Joshi of Pune Construction Engineering Research Foundation (PCERF) visited Department of Civil Engineering, SIT to interact with the faculty and the two student Presidents of CESS and the ASCE Student Chapter regarding future collaborative efforts after the signing of a memorandum of understanding between the two institutes.



# GUEST TALKS AND INDUSTRY CONNECT

## VIST OF THE ASCE DELEGATES

Delegates from the American Society of Civil Engineers (ASCE) Er. Ravindra Ringshia, President of ASCE-India Section & Director, Aryadeep Builders and Developers Pvt. Ltd. and Er. Yasheer Fatehi, Secretary of ASCE - India Section, Director, K-Y Fatehi Construction, Mumbai visited the department of Civil Engineering, Symbiosis Institute of Technology, Pune on October 9, 2023. The interactive session involved a talk with the concrete canoe team Varuna.



## RMC PLANT AND STONE CRUSHER SITE VISIT

The department had organized a visit to a stone crusher and Ready mix concrete plant site visit on October 31, 2023 along with a construction plant site visit where MIVAN formwork technology has been used. Concrete and aggregate form the backbone of the construction industry and thus getting to know about the production process of these was a good education for the students from the second third and fourth year. MIVAN is a relatively new formwork technology which reduces construction time drastically and is making its mark these days, learning about such new technologies is necessary for the students in-order for them to stay up-to date.



## GUEST TALKS AND INDUSTRY CONNECT

### VALUE-ADDED COURSE (CONTENT BEYOND SYLLABUS)

The Civil Engineering batch of 2020-24 students completed the comprehensive pre-internship program from 17th December to 14th December 2023 tailored to bridge the gap between academic knowledge and practical application. This value-added course enhanced the skills and knowledge acquired by the students which will certainly propel the students to new heights in their upcoming internships and beyond.

Coverage Highlights:

- Site Surveying: Hands-on experience with the latest tools and techniques in site analysis.
- Drawing Study: Detailed sessions on interpreting and understanding construction drawings.
- Documentation: Essential training on maintaining and organizing project documents.



### GRANT RECEIVED FROM PCERF

T·Dr. Sanjay Kulkarni and Dr. Sayali Sandbhor grabbed a research funding worth 1.9 Lakhs from Industry. Pune Construction Engineering Research Foundation (PCERF) and SIU have MoU signed recently. To take the association forward, Civil Engineering Department submitted proposal to PCERF's funding call. Out of more than 40 applications received, Civil Engineering Department, SIT Pune has grabbed the funding that will focus on experimental analysis at the Institute carried out by students for their minor projects and B. Tech Projects.



# STUDENT ACHIEVEMENTS

## INVESTITURE OF THE CESS--ASCE TEAM 2023-2024

During the 2023 Engineers' Day celebrations, the new team for the Civil Engineering Society of Symbiosis (CESS) and the American Society of Civil Engineers (ASCE) Student Chapter at SIT was formally invested. The outgoing team thanked the faculty for giving them the chance to hold these positions while the incoming team showed eagerness and willfulness to perform the duties and tasks that the position they hold requires.



## FELICITATION OF THE TEAM VARUNA

Again, during the Engineers' Day celebrations on September 15, 2023, the team -Varuna was felicitated with the certificates provided by ASCE to appreciate them representing Asia in the international Concrete Canoe competition.



## TECHFEST EVENT - QUAKEPROBE - THE EARTHQUAKE PROBLEM

## INTERNATIONAL INTERNSHIP

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)

Department of Civil Engineering, SIT Pune

**STUDENT ACHIEVEMENT**

Selected for University of Auckland and Education New Zealand for micro-internship

**International Internship**

Ms. Muskan

2021-25 ,  
Civil Engineering

The poster features a photograph of Ms. Muskan, a young woman with glasses, wearing a black blazer over a white top and blue jeans. The background is a light orange color with various logos and text.

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT) ASCE

2023

**SYMBITECH**

ALONG WITH

DEPARTMENT OF CIVIL ENGINEERING

PRESENTS

**QUAKE PROBE**

UNEARTH THE STRENGTH OF BALSA

20th ANNUAL TECHFEST

CT Lab

WIN PRIZE UP TO ₹40,000

QR code

The poster has a dark blue background with geometric shapes and a QR code in the bottom right corner.

As a part of the annual techfest - Symbitech at SIT, the two student bodies of the Department of Civil Engineering (CESS and ASCE Student Chapter) organized a technical event-QuakeProbe.

# STUDENT ACHIEVEMENTS

The event was conducted successfully on September 20, 2023 at Concrete Technology lab, SIT. It was inaugurated by the Deputy Director- DR. Nitin Khedkar. Students from the third year namely- Mr. Pranav Jadhav (the event lead and CESS President) and Mr. Tirth Vaddoria ( the ASCE Student Chapter at SIT- President) explained the event to the deputy director. Students from the third, second and first year of the department all worked together for days to make this event a success.



## CONVOCATION

Mr. Daniel Deng, Batch 2019-23, Civil Engineering, received "Chancellor's Gold Medal for Best Outgoing International Student" during the 20th Convocation Ceremony held on the 9th December 2023.

Ms. Muskaan Kushwaha, Batch 2019-23, Civil Engineering, received Late Shri. Chetan Dattaji Gaikwad Gold Medal for Overall Topper in B. Tech Civil Engineering during the 20th Convocation Ceremony held on the 9th December 2023.



# STUDENT ACHIEVEMENTS



·Ms. Muskaan Kushwaha, Batch 2019-23, Civil Engineering, received Bank of Baroda Achievers Award as the "Best All Rounder" - during the 20th Convocation Ceremony held on the 9th December 2023.



## UNIVERSITY CHALLENGE, IFAT 2023

·Students of Civil Engineering Department, SIT Pune, Mr. Vinayak Bidave, Nidhi Jagnani, Uttkarsh Sahu nominated to participate at the University Challenge India, IFAT 2023 on 18th and 19th October 2023 organized by DWA, Germany secured third place in the all India Challenge after competing in the challenge for two days and undergoing two rounds of scrutiny. They were mentored by Dr. Sayali Apte, Dr. Sayali Sandbhor and Dr. Ketan Kotecha.



# FACULTY ACHIEVEMENTS

## THE SEEDS CHAIR AWARD

The Head of Department- Dr. Sayali Sandbhor was awarded with the SEED's Chair Award for research in "Lightweight concrete using waste composite" at the SEEDS International Conference 2023 held in the United Kingdom. She was also awarded with the Best paper award in Waste management category for research in Optimization of FSSM process jointly with Industry Collaboration. The conference was organized by leading UK Universities including Leeds Beckett University, University of Suffolk, Loughborough University, University of the West of England! It was a great learning and networking experience! Dr. Sayali received Travel support fund and support from SCRI, SCIE and Symbiosis International University.

## ARTICLE PUBLISHED IN NEWSPAPER

An article written by the Head of Department, Dr. Sayali Sandbhor was published in the Lokmat newspaper on September 7, 2023. The original article being in Marathi, is on the topic of Urbanization and its benefits for civil engineers.



## PATENTS PUBLISHED BY FACULTY

Being a part of a dynamic and research nurturing institute, the faculties have been a part of several research projects and published patents. Dr. Sayali Sandbhor published a patent as the mentor of three students from the 2014-2018 batch in July 2023.



# FACULTY ACHIEVEMENTS

## CHIEF GUEST AT THE VIDYARTHI SAHHAYAK SAMITI ON ENGINEERS' DAY

·Dr. Sayali Sandbhor, Head, Department of Civil Engineering, SIT, was invited by Vidyarthi Sahayyak Samiti as a chief guest on the occasion of Engineers Day. Dr. Sandbhor shared dais with President of Vidyarthi Sahayyak Samiti, well known Entrepreneur and Civil Engineer, Padmashree Prataprao Pawarji and discussed opportunities for Civil Engineers at length. Dr. Sayali interacted with the students and guided them to pursue their passion in engineering.



## GROWING SIT- LOUGHBOROUGH UNIVERSITY CO-ORDIAL RELATIONS

· Dr. Sayali Sandbhor was invited at Loughborough University, UK to discuss research collaboration and joint programs. The ongoing and future research plan was discussed during the visit to School of Architecture Building and Civil Engineering. It was a unique opportunity to meet and observe progress of Co-supervised Scholar and Commonwealth scholarship awardee SRF at SCRI, SIU Ms. Sahlaka Hire at the Loughborough University. UK during the visit.

## PRESENTATION AT ICASF 2023, DUBAI

·Dr. Vaishnavi Dabir presented her research work titled "Sustainability analysis of coir geotextile for potential armour for seawall" at "International Conference on Advancing Sustainable Futures" (ICASF 2023) at Dubai, UAE from 5-6 December 2023. The esteemed conference was organized by the World Health Organization (WHO), International Society of Environmental Geotechnology (ISEG), Nanjing University, China, Politecnico di Torino, Italy, the Hong Kong Polytechnic University (PolyU), and the Chartered Institute of Building (CIOB), UK.

