

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 SAMYAK RAI

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.



Dr. Sayali Sandbhor/ Prof. Sagar Kolekar - Editorial Secretary
Samyak Rai - Chief Editor
Mansi Asati- 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.

Team Varuna Represents Asia

With an AIR-2 and a renewed willpower, our students participated in the ASCE Concrete canoe 2022-2023.

The team was named as 'VARUNA', after the God of Sea. The team got the chance to represent Asia due to surprising circumstances and persisting will to showcase their work.

The team has put in day and night efforts for more than 7 months in making it happen. It took multiple concrete mix designs, countless simulations of canoe design and selecting the best out of hundreds of materials based on characteristic properties to finalize the best combination!



The team participated in the competition via an online representation in the Texas Symposium of the ASCE. A display of the materials used was made on the day of presentation to ensure complete transparency. A display of the three iterations of the canoe i.e. 2 feet, 7 feet and the 18 feet canoe was made as well.



INTERNATIONALIZATION

PAVITR CONSORTIA PARTNERS' MEET AT SIT

The European partners in the PAVITR Project visited SIT, on January 21, 2023. The visit continued for a few days and consisted of the delegation visiting the two of the Projects at Lavale village and the Symbiosis International Deemed University



LOUGHBOROUGH UNIVERSITY- SIT GROWING CORDIAL RELATIONSHIP

Mr. Rob Reeves, Loughborough University, visited SIT.

Apart from this, we are very happy to officially announce SIT's Very First 4+1 (B. Tech + MSc) Program with International University offered at Civil Engineering Department, SIT in association with School of Architecture, Building and Civil Engineering, Loughborough University, UK.

Students of Civil Engineering of all existing batches and upcoming batch would be able to avail this opportunity to get Masters degree from UK University ranked 2nd in Building Domain. As a part of the offer, all students will get 20% waiver in fees. Students with First class and above will get 25% waiver.



GUEST TALKS AND INDUSTRY CONNECT

GUEST TALKS

Expert talks at universities are often conducted to provide students with insights and perspectives from industry experts, researchers, or professionals in various fields. These talks can broaden students' understanding beyond their regular curriculum, expose them to practical applications of their studies, and inspire them to explore different career paths. Additionally, guest talks can facilitate networking opportunities for students and enable them to learn from real-world experiences and challenges. Working on the similar lines, the Civil Engineering Department at SIT organizes multiple Expert talks on varied topics.



CONSTRO INTERNATIONAL EXPO-2023

Constro, India's largest International Fair from the past several times has been held on the Agricultural College Grounds, Pune. Constro has matched the International Standards in terms of facilities offered and overall business and social ambience. To make the most of this opportunity, our students visited the exhibition on 13 January, 2023.



MR. SURJIT SINGH , HEAD GLOBAL SALES, TECHNOSTRUCT ACADEMY VISITED CIVIL DEPARTMENT



STUDENT ACHIEVEMENTS

INTERNATIONAL YOUTH SUSTAINABILITY FESTIVAL-2023

The International Youth Sustainability Festival (IYSF) was organized from 4-5 March 2023. Students from the second year at the Civil Engineering Department participated in this festival. A poster presentation competition was held there, in which Mr Pranav Jadhav, Mr Arman Joshi, Miss Ria Rai and Mr Sanskar Chandravanshi won the first place.



NATIONAL LEVEL PAPER PRESENTATION COMPETITION

Miss Mansi Asati won the first place in the National Level Paper Presentation Competition organized by ASCE India student symposium. The topic for the paper was 'Waste Composite as Fine Aggregate Replacement for Lightweight Concrete.'



PARTICIPATION AT NIRMITEE 2023

Students from the Third Year from the Civil Engineering Department participated at NIRMITEE-2023, organized by MIT WPU University. It was organized by the MIT School of Civil Engineering on 16 and 17 April 2023. Miss Mansi Asati and Mr Samyak Rai won the Third prize in the event 'Pitch-Hunt'.



STUDENT ACHIEVEMENTS

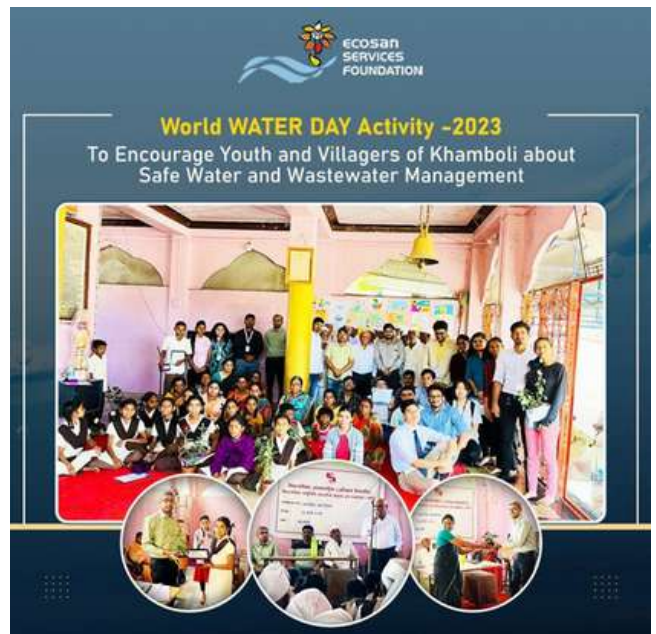
PARTICIPATION IN TECNICALA 2023

The NICMAR Institute organized the event 'Technikala' from 10 March to 12 March 2023. Mr Vinayak Bidave, a student from Third Year at Civil Engineering Department of SIT participated in the 'badminton' section of the competition and won the First place.



SERVICE LEARNING AND WORLD WATER DAY CELEBRATIONS

The students in their even semester of the Second Year had 'Service Learning' as a part of their curriculum in which they learn the 'JOY OF GIVING BACK TO THE COMMUNITY'. A part of the students who worked with Scope assessed the Water and soil quality of a village named Khamboli, Tal. Mulshi, Pune. Out of one of the several visits, the students celebrated WORLD WATER DAY, which happens to be on 22 March, 2023. The students organized and executed a few skits themed around the importance of water and waste management.



FACULTY ACHIEVEMENTS

NATIONAL CONFERENCE ON SUSTAINABILITY IN CIVIL ENGINEERING

Dr. Sayali Apte, Assistant Professor at Civil Engineering Department, SIT was given the honour of being the Keynote Speaker at the National Conference on Sustainability in Civil Engineering. Dr. Sayali Apte is an expert in Environment and Sustainability.

Chief Patrons
Shri. Sanjay Agrawal, Chairman, JES
Shri. Ajay Agrawal, Secretary, JES
Shri. Jayesh Goyal, Trustee, JES

Patrons
Prof. S. M. Bang, Director, JES
Prof. N. H. Patel, Director, JES
Shri. A. P. Doraswar, Executive Director, JES
Dr. S. V. Sonekar, Principal, JDCOEM
Dr. J. P. Modak, Technical Advisor, JDCOEM

Advisory Committee
Dr. R. Ingole, NIT Jammu
Dr. P. Khobragade, IIT Raipur
Dr. S. R. Haridas, Dean Academics, JDCOEM
Dr. S. R. Vaishnav, Dean R&D, JDCOEM
Dr. U. S. Dange, Dean APD, JDCOEM
Dr. N. V. Pradnyakar, Dean Students, JDCOEM
Prof. P. M. Mahalkar, Dean Diploma

Conference Objectives

- To promote sustainable development in civil engineering practices.
- To encourage research and innovation in sustainable construction materials and methods.
- To discuss the latest technologies and tools that can be used to achieve sustainability in construction projects.
- To share best practices and case studies of sustainable construction projects.
- To provide a networking opportunity for participants to connect and collaborate on sustainable construction projects.

Registration Fees

Industry Professionals	Rs. 500/-
Faculty/Academicians	Rs. 200/-
Student Participants	Rs. 100/-

Themes of Conference

- Sustainable building materials and technologies
- Sustainable design and construction practices
- Green infrastructure and sustainable urban development
- Sustainable transportation and mobility
- Sustainable water and waste management
- Sustainable energy and renewable resources
- Sustainable land use and natural resource management
- Climate change and resilience in civil engineering
- Life cycle assessment and sustainable decision-making in civil engineering
- Environmental impact assessment and mitigation in civil engineering projects
- Public policy and regulatory frameworks for promoting sustainability in civil engineering
- Social and economic dimensions of sustainability in civil engineering
- Innovative financing mechanisms for sustainable construction projects
- Case studies and best practices of sustainable construction projects.

Call for Papers

The conference is open to civil engineers, architects, researchers, academics, and industry experts who are interested in sustainability in civil engineering. The conference aims to attract participants from various backgrounds and organizations, including universities, research institutes, government agencies, and private sector companies.

Important Dates

- Submission of Abstract: 24th March 2023
- Notification of Acceptance of Abstract: 27th March 2023
- Submission of Full Text: 29th March 2023
- Last Date for Registration: 30th March 2023

Keynote Speaker
DR. SAYALI APTE
Expert in Environment and Sustainability
Senior Faculty Department of Civil Engineering
Symbiosis Institute of Technology,
Symbiosis International University, Pune

Convener
Prof. Atika A. Ingole, HoD Civil

Co - Convener
Prof. Gaurav H. Rangari
Prof. Kamlesh K. Meshram

Organizing Secretary
Prof. Rishi Chauhan, HoD Diploma

Organizing Committee
Prof. Shakil J. Khan, Prof. Tejaswini S. Junghare
Prof. Atul D. Gautam, Prof. Shital A. Navghare
Prof. Nilesh K. Pal, Prof. Tinu M. Khandare

Registration Details
Link for registration
<https://forms.gle/Lm9u5SzgmcuRSDM7>

Scan for fees payment

FACULTY DEVELOPMENT PROGRAMME

An extensive faculty development programme was organized by the Civil Engineering Department, SIT from 20 March to 23 March 2023. The four day programme aimed at bridging the gap between the industry and academia

Digital Twins Transforming the Infrastructure Industry

DAY 1 Table Program

Time	Speaker	Topic
9:30 AM - 10:00 AM	Dr. R. Ingole, NIT Jammu	Welcome Address
10:00 AM - 10:30 AM	Dr. P. Khobragade, IIT Raipur	About the IITP and importance of joint
10:30 AM - 11:00 AM	Dr. S. R. Haridas, Dean Academics, JDCOEM	About Business Model of Technology Park
11:00 AM - 11:30 AM	Dr. S. R. Vaishnav, Dean R&D, JDCOEM	Innovation in Training Learning
11:30 AM - 12:00 PM	Dr. U. S. Dange, Dean APD, JDCOEM	Industry - Academia
12:00 PM - 12:30 PM	Dr. N. V. Pradnyakar, Dean Students, JDCOEM	Importance of Digital Twin in Industry
12:30 PM - 1:00 PM	Dr. R. Ingole, NIT Jammu	Introduction to Training with Digital Twin
1:00 PM - 1:30 PM	Dr. P. Khobragade, IIT Raipur	Introduction to Digital Twin in Industry
1:30 PM - 2:00 PM	Dr. S. R. Haridas, Dean Academics, JDCOEM	Introduction to Digital Twin in Industry
2:00 PM - 2:30 PM	Dr. S. R. Vaishnav, Dean R&D, JDCOEM	Introduction to Digital Twin in Industry
2:30 PM - 3:00 PM	Dr. U. S. Dange, Dean APD, JDCOEM	Introduction to Digital Twin in Industry
3:00 PM - 3:30 PM	Dr. N. V. Pradnyakar, Dean Students, JDCOEM	Introduction to Digital Twin in Industry
3:30 PM - 4:00 PM	Dr. R. Ingole, NIT Jammu	Introduction to Digital Twin in Industry

Expert Talks

- Mr. Rahul Puri, IIT Bombay, Bentley Systems
- Mr. Iain Miskimmin, Bentley Systems
- Prof. Jurelis Andrus, KAUST
- Prof. Ashwin Mahalingam, IIT Bombay
- Dr. Madhuvathi A., IIT Bombay
- Mr. Suljito Goswami, Bentley Education

Call us for Registration: 9902750575 / 9790932552

SYMBIOSIS STAFF SPORTS FEST 2023

The Symbiosis Staff Sports Fest was organized in January 2023. Mr Tushar Marne, Lab Assistant at the Civil Engineering Department at SIT participated and represented the department.



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 Apte published a patent along with other department faculty. While Dr. Kanchan Khare and Dr. Vaishnavi Dabir along with others published the second patent.

Patent Published
ELECTRO-CHLORINATION SYSTEM WITH ELECTRODE COATED WITH CHROMIUM NITRIDE FOR GENERATION OF IN-SITU CHLORINE FOR THE DISINFECTION OF DRINKING WATER
April 2023

Patent Published
AMODIFIED COIR GEOTEXTILE MATRIX AND METHOD OF PREPARATION THEREOF
January 2023