

CIVIL'IVE

WE SHAPE OUR BUILDINGS THEREAFTER
THEY SHAPE US.
- WINSTON CHURCHILL



DEPARTMENT OF CIVIL ENGINEERING

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CO-EDITOR- AVISHRUTI DAS
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ABOUT SYMBIOSIS

Symbiosis Institute of Technology, a constituent of Symbiosis International University was established in the year, 2008 and currently offers B. Tech programmes in Civil Engineering, Computer Science and Engineering, Electronics & Telecommunication Engineering, Mechanical Engineering, Artificial Intelligence & Machine Learning and Robotics & Automation and M.Tech programmes in Artificial Intelligence & Machine Learning, Robotics & Automation and Embedded Systems. Research programmes leading to Ph. D. Degree were introduced in Faculty of Engineering of Symbiosis International University in 2010 and many more.

The Institute endeavors to provide quality technical education in line with the requirements of today's competitive industry and fast paced technological developments. The curriculum developed by the Institute lays a stress both on basics and latest developments. Realizing the fact that faculty is the most important resource, special efforts have been made to find, recruit and retain highly qualified and competent faculty. .

Infrastructure created and acquired by the Institute, like all other Symbiosis Institutes, is of a very high quality and includes multimedia classrooms, well equipped labs including software for CAD/CAM, simulations and other applications, well stocked modern library with digital media, auditorium, seminar halls, separate hostels for boys & girls and playgrounds

The Institute provides an environment conducive for harnessing the potential of both faculty and students through systematic and effective planning and control of the teaching learning process, both within and outside the classroom.

 SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

SIT PUNE Achieves Academic Excellence

B.Tech Programs Accredited by
National Board of Accreditation (NBA)

Civil Engineering

Mechanical Engineering

Computer Science & Engineering

Electronics & Telecommunication Engineering

SIT Pune acknowledges the contribution of all students, teaching & non-teaching staff, parents, alumni, corporates, NGO and all other stakeholders



VISION

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 OF THE DEPARTMENT

- To impart the latest state of art research-led technical education and skills in a congenial learning environment to meet the 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.

PEO'S

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.

Engineering is the closest thing to magic that exists in our world

Elon Musk

INTERNATIONAL COLLABORATIONS & TECH-FESTS

The basic teaching learning process is supplemented by organizing techfests, cultural programmes, sports competitions, industry-institute meets, guest lectures by renowned personalities and student exchange programmes with foreign universities.

The Institute has international collaborations for student and faculty exchange with Nanyang Technological University Singapore, Ingolstadt University Germany, Purdue School of Engineering,IUPUI Indianapolis USA and Leibniz University Hannover.

MAJOR ACHIEVEMENT IN 2024

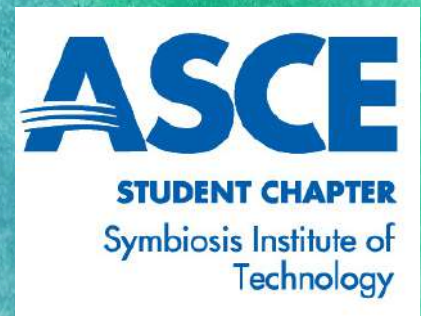


Clubs in Civil Engineering Department

CESS (CIVIL ENGINEERING SOCIETY OF SYMBIOSIS)

**ASCE STUDENTS' CHAPTER,
SYMBIOSIS INSTITUTE OF
TECHNOLOGY**

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CIVIL ENGINEERING SOCIETY OF SYMBIOSIS

Civil Engineering Society of Symbiosis [CESS] represents current students as well as faculty as its members within the Civil Engineering Department at SIT. Civil Engineering Society of Symbiosis [CESS] was formed on 11/01/2012.

OBJECTIVE

Civil Engineering Society of Symbiosis [CESS] was formed with key objectives as

- To showcase and sharpen student's talents through a variety of events and activities planned throughout the year.
- To develop insight for responsible attitudes, skill sets, values, teamwork while establishing quality consciousness and demand-driven, the self-relevant centre of excellence.
- To showcase their potential and help those to face the real-time challenges related to the profession.
- To give our students practical insight into civil engineering by organizing field or industrial visits throughout the year thus giving them a chance to interact with key personnel of the industry and augment their classroom learning.
- Apart from the technical aspects, it also undertakes the responsibility of proper nurturing of students by organizing some social and awareness events as a part of CESS.

CESS 2023-24

POST	ROLE
PRESIDENT	To manage the overall plan of action and coordination between the team and faculty.
SECRETARY	Taking care of everything under the umbrella of the president.
VICE PRESIDENT	To manage the overall plan of action and coordination between the team and faculty, along with the president, and take up the workload in their absence.
ANNUAL EVENT HEAD	Thinking and planning the events throughout the year.
SPONSORSHIP HEAD	Responsible for reaching out to companies for sponsorship for events throughout the year.
PR-S HEAD	Responsible for getting in touch with colleges for event participation throughout the year.
DESIGN HEAD	Responsible for preparing all the creatives for events throughout the year.
DOCUMENTATION HEAD	Responsible for preparing documents and reports for events throughout the year.
SOCIAL MEDIA HEAD	Responsible for posting all creatives for events throughout the year.
LITERATURE HEAD	Responsible for preparing content, including emails, captions, MoUs, blog writings, proof-checking, etc., for events.
ACCOLADES HEAD	Responsible for maintaining a list of all winners for events throughout the year.
TECHNICAL HEAD	Responsible for managing all technicalities for events throughout the year.
FINANCE HEAD	Responsible for maintaining all expenditure.



The Journey Begins



POSITION	HEAD
PRESIDENT (CESS)	PRANAV JADHAV
PRESIDENT (ASCE)	TIRTH VADDORIA
VICE PRESIDENT (CESS, ASCE)	ARMAN JOSHI
FINANCE	MITANSH PATIL
LOGISTICS	OM CHANNAWAR
DESIGN	RIA RAI
STUDENT RELATIONS	RIYA VISHWANATH
EVENT	SANSKAR CHANDRAVANSHI

POSITION	CO-HEAD
MEDIA AND DESIGN (ASCE, CESS)	VANSH JAIN
HOSPITALITY (ASCE, CESS)	MALHAR VYAS
PHOTOGRAPHY (ASCE, CESS)	RAJ SINGH
EVENTS (ASCE)	RUDRA PRATAP SINGH
EVENT PLANNING (CESS)	HARIS ST
EVENT EXECUTION AND MANAGEMENT (CESS)	OM KAPRE
DOCUMENTATION (ASCE)	SANGAY CHODEN
DOCUMENTATION (CESS)	SHRESHTHA YADAV
STUDENT RELATIONS (ASCE, CESS)	SHUBHAM TIWARI

American Society of Civil Engineering Students



Chapter

ASCE or The American Society of Civil Engineering is a professional body founded in 1852 to represent the members of the civil engineering profession world wide .

Objective. To enhance the welfare of humanity by advancing the science and profession of civil engineering.

Student Chapters may be established at institutions that have a baccalaureate degree program in civil engineering or civil engineering technology

SPECIAL PROJECTS

A *special project* is a constructive undertaking requiring planning and implementation that go beyond routine organizational activity. Opportunities for leadership experience and participation in a team effort are made available by these projects.



Hosting a National Concrete Canoe Competition

National Steel Bridge Competition





Benefits of Student Chapter

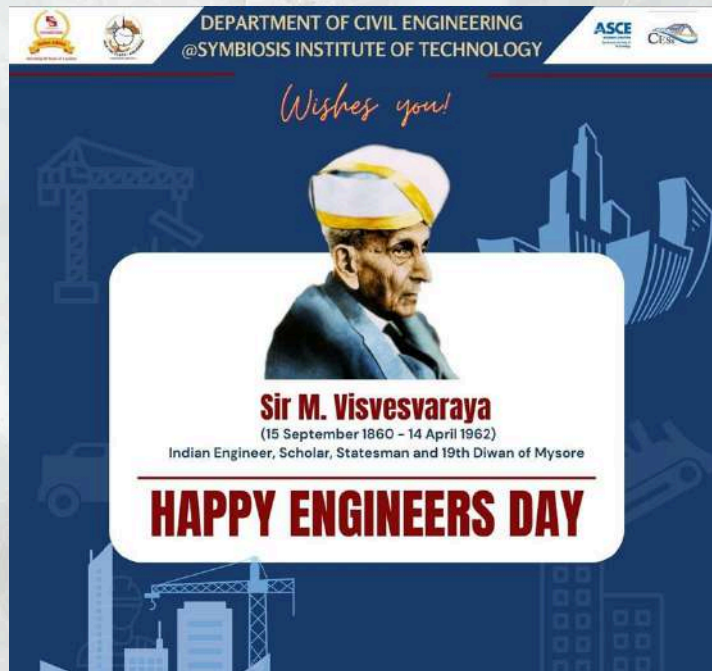
- ✓ Exposure to national and international competition
- ✓ Webinars, Workshops, site visits
- ✓ Lifetime student access for free
- ✓ Chance to participate in exclusive conferences
- ✓ Interaction with many new people
- ✓ Learning new technology in civil engineering

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.



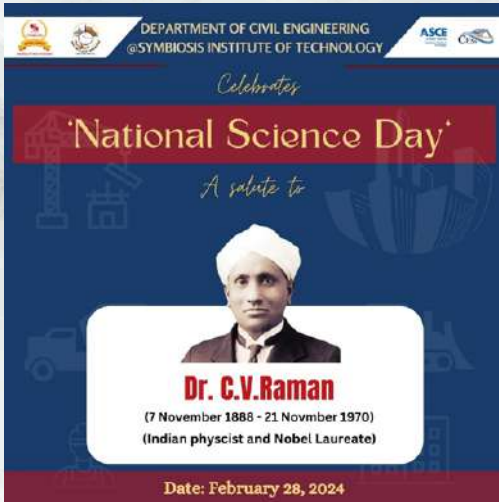
Key highlights of the day were the felicitation of the Team Varuna- ASCE Concrete Canoe 2023, Guest talk by the esteemed guest- Mr. Atul Manurkar and the investiture ceremony for the new CESS-ASCE Team 2023-24.

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



NATIONAL SCIENCE DAY CELEBRATIONS 2024

February 28, of each year is celebrated as National Science Day in India, commemorating the discovery of the Raman Effect by Dr. C.V. Raman.



Happy faces of the winners , as seen in the picture above .

To foster the spirit of innovation, ingenuity, integrity and inspiration amongst young researchers here at the Department of Civil Engineering, SIT, a special event was organized by the Civil Engineering Society of Symbiosis and American Society of Civil Engineers Student Chapter. This event enlightened the students about the Raman Effect and also felicitated the best researchers via the 'Best B. Tech Project' Award being given to the selected final year students.



The Best B. Tech Project Award is a legacy that has continued for over a decade and is a brain child of the strong Alumni Base that the department possesses. Apart from this, the Coheads for the CESS-ASCE 2023-2024 team were also officially invested during this event.



The complete CESS-ASCE Committee, 2023-2024

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 UNDER EU HORIZON 2020 PAVITR PROJECT



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 PRESENTED 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.



SEED's Chair Award for research in "Lightweight concrete using waste composite" at the SEEDS International Conference 2023 UK



Best paper award in Waste management category for research in Optimization of FSSM process jointly with Industry Collaboration

INTERNATIONALIZATION

GUEST TALK

DR. SAYALI SANDBHOR INVITED AT LOUGHBOROUGH UNIVERSITY FOR DISCUSSION ON TEACHING PARTNERSHIPS AND ONGOING RESEARCH PARTNERSHIP



There was an enlightening session on "Flowing careers: River and Environment" delivered by Praktan Wadnerkar, PhD. It was an enriching experience filled with valuable insights into various sustainable aspects of civil engineering.



International Industry and academia from UK in Civil Engineering Department at SIT, Pune

DEPARTMENT OF CIVIL ENGINEERING CONTRIBUTED IN 2000 WATT SMART CITIES CERTIFICATION FOR SIU



SYMBIOSIS INTERNATIONAL (DEEMED) UNIVERSITY | **Loughborough University**

Department of Civil Engineering, SIT Pune

Research Interaction
Tuesday, 2nd January, 2021

We welcome



Dr. Kirti Ruikar
Reader in Digital Construction,
School of Architecture, Building and Civil Engineering,
Loughborough University, UK

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)
Constituent of Symbiosis International (Deemed University), Pune

SYMBIOSIS INTERNATIONAL (DEEMED) UNIVERSITY | **ARUP**

Department of Civil Engineering, SIT Pune

Interaction with Faculty and Research Scholars

Digitization in UK Construction Industry
Tuesday, 2nd January, 2021

We welcome



Dr. Darshan Ruikar
Associate Director,
ARUP, UK

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)
Constituent of Symbiosis International (Deemed University), Pune

INTERNATIONALIZATION

GLOBALIMMERSION PROGRAM,STUDENT EXCHANGE: GERMANY

Uttkarsh Sahu, a student from the 2021-25 batch at the Civil Engineering Department, SIT got the amazing opportunity to study at the Hamburg University of Technology, Hamburg, Germany as a part of our student exchange program. The program allows the selected students to go visit the universities available abroad and study an entire semester over there as per the curriculum of that particular university. There are many benefits including exposure to new people culture and teaching methodologies and mindsets.



GLOBAL LINK RESEARCH INTERNSHIP: CANADA

Ms. Muskan from the 2021-25 batch, at the Civil Engineering Department, SIT secured the MITACS Global Link Research Internship for 12 weeks with sponsorship and stipend.

INTERNATIONAL GUEST TALK: USA

DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY

ASCE

Presents

Expert Talk

Dr. Al-Bayati

Founding Director of Construction Safety Research Centre (CSRC),
Assistant Professor, Department of Civil and Architectural Engineering,
Lawrence Technological University, Michigan, USA

Date : 4 April 2024 (Thursday)
Time : 11:00 am onwards
Venue : Civil Department, SIT, Pune

Dr. Al-Bayati from the Department of Civil and Architectural Engineering, Lawrence Technological University, Michigan (USA) visited the Department of Civil Engineering at SIT to deliver a talk on the opportunities abroad in civil engineering. This talk took place on the fourth of April, 2024.

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)

SYMBIOSIS INTERNATIONAL ENGINEERING UNIVERSITY

Department of Civil Engineering, SIT Pune

GLOBAL IMMERSION

MITACS Globalink Research Internship

12 Week Sponsored Research Internship with Stipend for project titled

Earthquake engineering of innovative structural systems

McMaster University

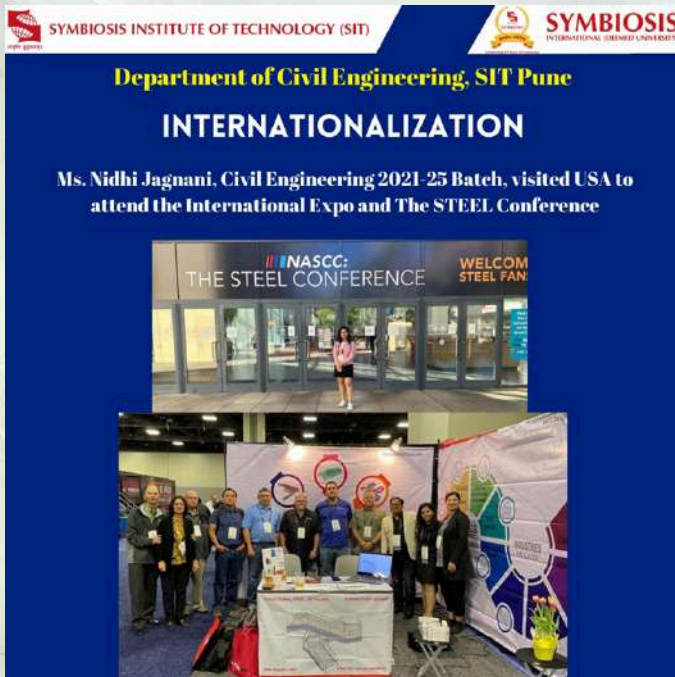
Ms. Muskan
Batch 2021-25, Civil Engineering

mitacs

INTERNATIONALIZATION

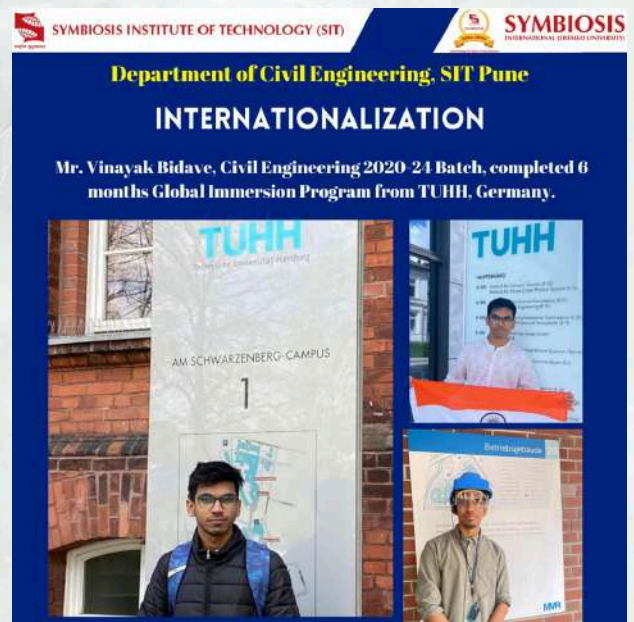
STUDENT VISIT TO THE UNITED STATES OF AMERICA

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.



INTERNATIONALIZATION

DR. AL-BAYATI FROM LAWRENCE TECHNOLOGICAL UNIVERSITY, MICHIGAN USA

It was a pleasure to have Ahmed Al-Bayati, PhD, PE, Associate DBIA™ from Lawrence Technological University, Michigan USA, visit the Department of Civil Engineering, SIT, Pune India today on the 4th April 2024. During the session, students delved deep into the crucial aspects of ensuring safety on construction sites, Role of technology in enhancing safety, along with Occupational Safety and Health Administration (OSHA) regulations. Safety isn't negotiable – it's an integral part of what we do. Let's work together to ensure that safety remains at the forefront of everything we do in the construction industry.



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-2024

As a part of the growing cordial relations between the PCERF and the Department of Civil Engineering, SIT; the Students of the second and third year visited the Constro exhibition organized by PCERF. This visit took place on January 6, 2024. Students got the opportunity to interact with different businesses related to civil engineering. Apart from this, there were a few guest talks over there as well.

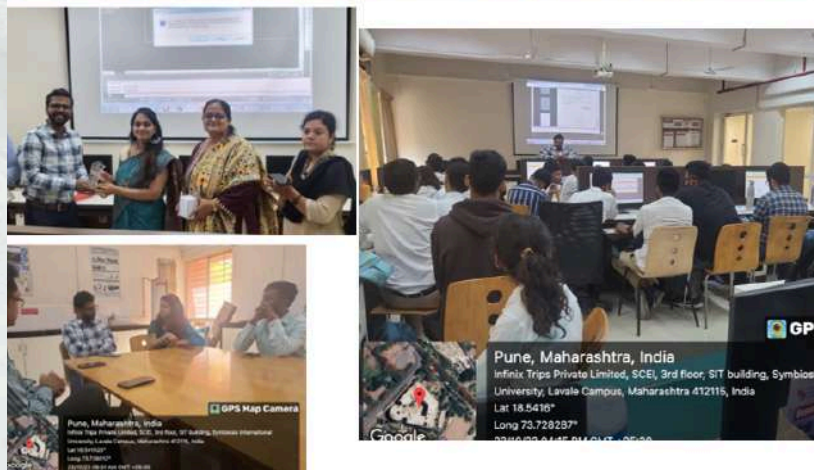


Guest Talk and Discussion on ongoing projects



ONE DAY MASTER CLASS ON QUANTITY SURVEYING BY MR. SAMEER SHAH, CHANDAK GROUP, MUMBAI

One Day Master Class for TY Civil under Quantity Surveying & Valuation at Civil Engineering Department, SIT by Mr. Sameer Shah, Chandak Group, Mumbai



Co-guide for PBL project



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.



DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY
PRESENTS

Expert Talk

Mr. Atul Manurkar
Retd Superintending Engineer (Civil),
MSETCL (Maharashtra State Electricity Transmission
Company LTD.)

DATE: SEPTEMBER 15, 2023
VENUE- SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

**"Entrepreneur opportunities in the Government
Sector for Civil Engineers"**

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.



SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT) SYMBIOSIS
INDIANSCIENCE UNIVERSITY

Department of Civil Engineering, SIT Pune
welcomes

Mr. Kapil Trimal
Chairman, Kushal

CREDAI
PUNE METRO

Collaboration Meeting CREDAI- SIT
25th July 2023

ASCE
STUDENT CHAPTER
Symbiosis Institute of
Technology



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.

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. Yashier 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.



DEPARTMENT OF CIVIL ENGINEERING
SYMBIOSIS INSTITUTE OF TECHNOLOGY
ASCE Student Chapter SIT
presents

"Interactive Session with ASCE-India Section Delegates"



Guest Speaker
Er. Ravindra J Ringshia
President of ASCE-India Section
Director, Aryadeep Builders
and Developers Pvt. Ltd.



Guest Speaker
Er. Yasser Fatehi
Secretary of ASCE-India Section
Director, K-Y Fatehi Constructions, Mumbai

Date : 09 October 2023, Monday
Time : 11 am onwards



DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY
PRESENTS

ICI-SIT student chapter activity
Expert Talk




Guest speaker
Mrs. Sucheta Kalawar
Honorary Secretary
Indian Concrete Institute Pune Centre

Time : 10:00 am - 12:00 pm
Date : 11.10.2023 (Wednesday)

"Innovative Concrete & its applications"

DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY
PRESENTS

Guest Talk on Valuation



Guest Speaker
Shrinivas Kishor Joshi
HOD (Res. & Trg.) PCERF, Pune
B.E. Civil, AMIE, Chartered Engineer (IEI)
Post Graduation in Construction Management (NICMAR)

Date : 16 October 2023, Monday
Time : 2:35pm - 4:25pm

GUEST TALKS AND INDUSTRY CONNECT

EXPERT TALK ON ENVIRONMENT

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED SCIENCES
@SYMBIOSIS INSTITUTE OF TECHNOLOGY, PUNE

Presents

Expert talk

"Flowing careers : River and Environment"

Dr. Praktan Wadnerkar

PhD, Environmental Engineering and Management, Australia
Masters of Hydraulic and Civil Engineering, France
Australian Govt. Global Talent Program Recipient



- Date : 16 April 2024, Tuesday
- Time : 2:00 pm to 3:00 pm
- Venue : Civil Department, SIT



A guest talk related to careers on rivers and environment was conducted at the Department of Civil Engineering, SIT on April 16, 2024. This talk was delivered by Dr. Ketan Wadnerkar.

GUEST TALK ON RESUME WRITING

Ms. Anuradha Paradkar, the Principal HR Business partner at PTC, delivered a lecture on the very essential skill of Resume writing. She also guided the students on the insights of corporate life. This session was held on March 2, 2024.

EDUCATIONAL VISIT TO CONSTRO 2024



Dr. Sanjay Kulkarni and Dr. Sayali Sandbhor had the opportunity to present the idea at the prestigious Constro International Exhibition 2024. Selected students of batch 2022-26 and 2021-25 also had an opportunity to visit the expo. Vinayak Bidave student of 2021-25 presented the work during eminent Panel visit.

DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY

PRESENTS

Expert Talk



Guest speaker

Ms. Anuradha Paradkar

Principal HR Business partner at PTC
-Globally traded Tech Company

Date : 2 March 2024 (Saturday)
Time : 10:45 am - 12:45 pm
Venue : A 102, First Floor, SIT

"Resume writing- an essential skill"



GUEST TALKS AND INDUSTRY CONNECT

STUDENT AND FACULTY DEVELOPMENT PROGRAM



A faculty and student development program was organized by the Department of Civil Engineering on the topic of Surveying and Road Construction. Faculties across departments at SIT joined this program which spanned across 3 days from March 28 to March 30, 2024. The usage of drones, surveying equipment was explained and shown in these days. Along with this, several important parts of the third year educational course- Flexi Credit (Highway and Metro Engineering) were covered. Apart from this, the session also continued for a few days online for the students so as to give them extra knowledge.

A faculty from the AIML Department at SIT was invited to deliver a talk on the applications of AIML in Civil Engineering. This talk expanded the knowledge horizons of the students of the Department of Civil Engineering. This talk also helped the students of third year to expand their ideas for their Final Year B.tech Project into the stream of AIML and its applications in Civil Engineering.

INDUSTRY CONNECT EFFORT



The faculties -Prof. Humera Khanum and Dr. Rushikesh Kulkarni along with students- Riya Vishwanath and Avishruti Das, from the Department of Civil Engineering visited Unique Ultra High Performance Fibre Reinforced Concrete precast company for the promotion of B.Tech Civil for working professionals and discussion with the founder Mr. Nimbalkar on April 22, 2024. Apart from this, the dialogue proved fruitful in invigorating Mr. Nimbalkar's interest in providing opportunities to the students for internship.

GUEST TALK ON AIML FOR CIVIL ENGINEERING



GUEST TALKS AND INDUSTRY CONNECT

WORKSHOP AND EXHIBITION ON SCAFFOLDING



A scaffolding demo workshop and exhibition at Symbiosis Institute Of Technology Pune was conducted on 18th and 19th April 2024 under Tinker Lab of First year Department of Applied Sciences SIT Symbiosis Institute of Technology and students of Department of Civil Engineering, SIT. This initiative was taken in collaboration with the Builders Association Of India and Tejus Steel Centering & Scaffolding. This workshop gave the students of the Department of Civil Engineering and the first year students across departments the opportunity to learn about scaffolding.

VISIT OF REPRESENTATIVES FROM CREDAI



The Civil Engineering Department hosted a group of representatives from Confederation of Real Estate Developers' Associations of India (CREDAI) Maharashtra. Dr Sayali Sandbhor, head, department of Civil Engineering, briefed the gathering about the laboratories and consultancy facilities available with the department. Dr Sanjay Kulkarni, Prof. Humera Khannum and Dr Vaishnavi Dabir explained to the representatives about the testing facilities in concrete technology lab, transportation engineering lab., Geotechnical engineering laboratory

Guest Talk by Industry expert during Induction Program



OPPORTUNITIES AND ROLE FOR CIVIL ENGINEERS

Presenting
Mr. Sameer Abhay Gujar
 (Owner - Dirgir)
 B.E. (Civil), M.S. (U.S.A.), Leed
 (A.P.) Adjunct Faculty,
 SCMHRD-IDM

JOIN OFFLINE

DATE
 WEDNESDAY 26, JULY
 2023

TIME
 3:35 PM - 4:30 PM

VENUE
 SIT PUNE,
 CLASSROOM A-103,
 CIVIL DEPARTMENT

GUEST SPEAKER
SAMEER ABHAY GUJAR

SITE VISITS

WATER TREATMENT PLANT



A site visit to the water treatment and supply plant at Pimpri Chinchwad was organized on March 20, 2024. This visit showed the students of third year the insights on how does pure clean water reach our homes through pipes. Various processes including sedimentation, filtration, chlorination, etc. were shown and explained.



SEWAGE TREATMENT PLANT



A site visit to the sewage treatment plant at Pimpri Chinchwad was organized on March 20, 2024. This visit aligned with the subject of Environmental Engineering-2 that the students of third year were studying. The students learnt about the safe disposal of sewage that leaves our house before it reaches the natural water bodies. The usage of this waste to produce methane gas for energy utilization purpose fascinated the students.

MATERIALS TESTING LAB

On the same day of March 20, 2024, the students of third year at the Department of Civil Engineering visited a Materials Testing Lab, at Pimpri Chinchwad. The students learnt about the ways of professionally testing different construction materials over here. Several materials such as bitumen, cement concrete, reinforcement steel, soil, etc. were being tested. This was the last visit to be done on the day of several visits. Overall, the day was fruitful and knowledgeable for the students of third year.

SITE VISITS

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.



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

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

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

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

SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT) ASCE

2023 SYMBITECH

ALONG WITH DEPARTMENT OF CIVIL ENGINEERING

PRESENTS

QUAKE PROBE

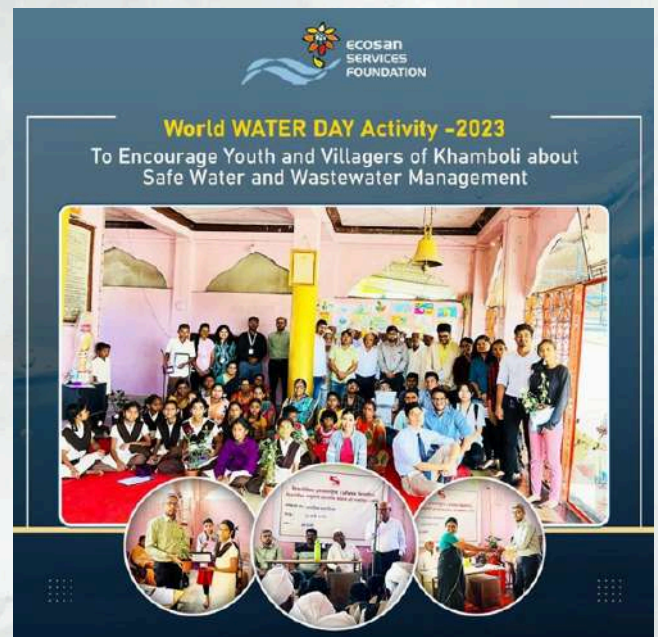
UNEARTH THE STRENGTH OF BALSA

20th BIRTH ANNIVERSARY CT Lab

WIN PRIZE UPTO ₹40,000

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



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.

QUAKE PROBE

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.

TECHFEST 2023

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.



STUDENT ACHIEVEMENTS

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.



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.



STUDENT ACHIEVEMENTS

MULTIPLE PRIZES IN INTERNATIONAL YOUTH SUSTAINABILITY FESTIVAL



The students from second year participated in the poster presentation competition at the International Youth Sustainability Festival and won the second and third prizes over there. Raj Singh, Shubham Tiwari and Vansh Jain won the second prize while Samrat Dhar, Om Kapre and Harshwardhan More won the third prize over there.



Mr. Arman Joshi, a student from the third year won all India rank two in the Structural Design contest at the ASCE Student Symposium organized by NIT Patna.

THIRD PRIZE IN POSTER PRESENTATION AT NICMAR UNIVERSITY



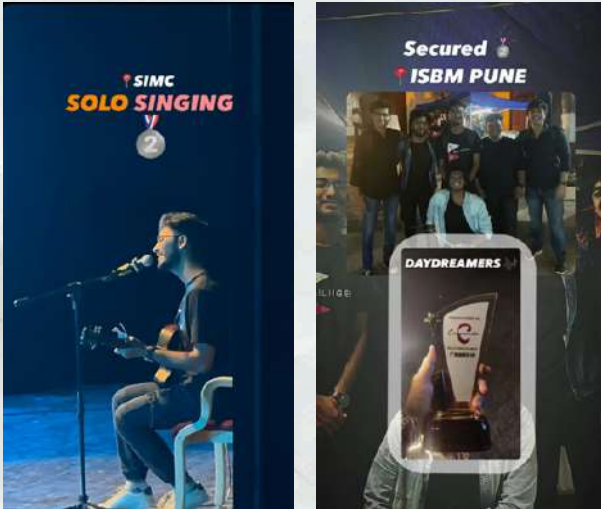
Pranav Jadhav, Tirth Vaddoria and Arman Joshi from the third year at the Department of Civil Engineering won the third prize in Poster Presentation Competition at NICMAR University, Pune. This event was held on 22 March, 2024.

AIR RANK TWO AT ASCE STUDENT SYMPOSIUM



STUDENT ACHIEVEMENTS

MULTIPLE PRIZES IN SINGING COMPETITIONS



Mr. Yash Gaidhani, a student from the third year at the Department of Civil Engineering, won two different accolades- second prize in Solo Singin competition at SIMC, Pune and second prize in Group Music competition at ISBM, Pune. Mr. Yash has been steadily developing his singing skills from the first year at the college.

EXCELLENT PLACEMENT FROM THE FINAL YEAR



STUDENT SELECTION IN THE INDIAN NAVY



Mr. Samyak Rai, final year student at the Department of Civil Engineering, SIT Pune got selected 12 SSB Bangalore to join the prestigious Indian Naval Forces as a Fighter Pilot for the upcoming course commencing from June 2024 onwards. Out of 10,000+ candidates who had applied for the same, only few cadets have been selected from Pan India. This is an incredible feat.

Civil Engineering batch 2020-24 student , Ms Manasi Asati has received a placement offer from Agrawal Global Infratech Pvt.Ltd. (AGIPL) with a annual package of 9 L . Congratulations to Ms Mansi Asati for the placement offer. Receiving such high package as a fresher in a core industry job is not an easy task. The dedication of Ms. Manasi and the Department of Civil Engineering towards excellence and perfection are the attributes needed to be acknowledged for this feat.

FACULTY ACHIEVEMENTS

FULLY FUNDED OPPORTUNITY TO VISIT UTM, MALAYSIA



Prof. Sagar Kolekar, Assistant Professor, Department of Civil Engineering, SIT, Pune received a fully sponsored opportunity to attend a series of workshops at the University of Teknologi, Malaysia. The workshop offered multiple opportunities to interact with researchers in the similar domain.

FELICITATION : FERROCEMENT DAY



On the 12th Ferrocement Day, at BKPS Architecture college, Dr. Vaishnavi Dabir, Dr. Rushikesh Kulkarni and Prof. Mugdha Kshirsagar were felicitated for exceptional efforts and contribution as organizers and facilitators of the 7th National Ferrocement convention held in Nov 2023 at COEP.

COMMENDATION CEREMONY AT SIU



Dr Sayali Sandbhor, Head, Department of Civil Engineering, received appreciation during the commendation ceremony organized by Symbiosis International University, Pune. She received the appreciation from Dr. Ramakrishnan Raman honorable VC, SIU, for her contribution to research and her efforts in helping and motivating students towards pursuing their goals.

RESEARCH FUNDING FROM PCERF

The Department of Civil Engineering bagged a funded research project from the very prestigious organization, PCERF. This opportunity is a result of the constant efforts being put by the Department as a whole towards improving relations with PCERF.



FACULTY ACHIEVEMENTS

NATIONAL CONFERENCE ON SUSTAINABILITY IN CIVIL ENGINEERING

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

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

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. Patil, Director, JES
 Shri. A. P. Doraswar, Executive Director, JES
 Dr. S. P. Sonekar, Principal, JCOEM
 Dr. J. P. Modak, Technical Advisor, JCOEM

Advisory Committee
 Dr. R. Ingale, NIT Jammu
 Dr. P. Khobragade, IIT Raipur
 Dr. S. L. Haridas, Dean Academics, JCOEM
 Dr. S. R. Vaishnav, Dean R&D, JCOEM
 Dr. U. S. Dange, Dean APD, JCOEM
 Dr. N. V. Pradnyakar, Dean Students, JCOEM
 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

Convenor
 Prof. Atika A. Ingole, HoD Civil

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

Organizing Secretary
 Prof. Rishi Chauhan, HoD Diploma

Organizing Committee
 Prof. Shakil Khan
 Prof. Atul D. Gouam
 Prof. Nilesh R. Pal
 Prof. Tejaswini S. Janghare
 Prof. Shital A. Navghare
 Prof. Tinu M. Khandale

Registration Details
 Link for registration
<https://forms.gle/Lm9u85qgmcuR5DM7>

Scan for fees payment

Beniley Education

FACULTY DEVELOPMENT PROGRAM

Digital Twins Transforming the Infrastructure Industry

Jointly organized by
 Department of Civil Engineering, SIT Pune
 Symbiosis Teaching Learning Resource Centre, Symbiosis International (Deemed) University,
 & Bentley Education

20 - 23
9.30 - 4.30

Symbiosis Institute of Technology, Pune

Become a part of an extensive faculty training program that aims to address the challenges of the architectural industry and education through digital twins, imparting hands-on training of software for water systems and more along with curriculum design to bridge the gap between industry & Academia, to stay relevant, and to add in creating a talent pool of graduate students.

EXPERT TALKS

- Mr. Rahul Patil, VP, Client Engagement, Bentley Systems
- Mr. Iain Miskimmon, Advisor for National Digital Twin, UK
- Prof. Jurelis Andrius, Professor, Kaunas University of Technology, Lithuania
- Prof. Ashish Mahalingam, Professor, Civil Engineering Department, IIT Madras
- Dr. Madhushri A., Professor & Director, School of Infrastructure & Planning, VIT Vellore
- Mr. Sudipto Goswami, Director, Bentley Education

Call us for Registration: **9902750575 / 9790932552**
REGISTER HERE

Digital Twins Transforming the Infrastructure Industry

FACULTY DEVELOPMENT PROGRAM

20 MIN

Department of Civil Engineering
 Symbiosis Institute of Technology, Pune

DAY 1 Table Program

Time	Speaker	Topic
9:30 AM - 9:45 AM	Dr. Sapan Sankar, IIT Guwahati, Head, Department of Civil Engineering, Symbiosis Institute of Technology	Welcome Address
9:45 AM - 10:00 AM	Dr. Rahul Patil, VP Client Engagement, Bentley Systems, Department of Civil Engineering, Symbiosis Institute of Technology	About the FDP and introduction of guests
10:00 AM - 10:15 AM	Dr. Sapan Sankar, IIT Guwahati, Head, Department of Civil Engineering, Symbiosis Institute of Technology	About Symbiosis Institute of Technology, Pune
10:15 AM - 10:30 AM	Dr. Sapan Sankar, IIT Guwahati, Head, Department of Civil Engineering, Symbiosis Institute of Technology	Introduction to Teaching Learning
10:30 AM - 10:45 AM	Mr. Rahul Patil, VP Client Engagement, Bentley Systems	Keynote Address
10:45 AM - 11:00 AM	Prof. Ashish Mahalingam, Professor, Building Technology and Construction, Biological, Chemical Engineering, Department of Chemical Engineering, IIT Madras	Importance of Digital Twin for the future of Infrastructure Industry
11:00 AM - 11:15 AM	Prof. Jurelis Andrius, Professor, Kaunas University of Technology, Lithuania	Introduction to construction Digital Twin Technology
11:15 AM - 11:30 PM	Mr. Sudipto Goswami, Director, Bentley Education	The need to address curriculum to bridge the gap between architectural industry with Digital Twin & Academic curriculum
11:30 AM - 11:45 PM	Dr. Madhushri A., Professor & Director, School of Architecture & Planning, VIT Vellore	The need to address curriculum to bridge the gap between architectural industry with Digital Twin & Academic curriculum
11:45 PM - 12:00 PM	Mr. Iain Miskimmon, Advisor for National Digital Twin, UK, Bentley Systems, Advisor & Author of Digital Language 4.0	Digital Twin in the Future of Infrastructure: Why do we need it in the real world?
12:00 PM - 12:15 PM	Dr. Sapan Sankar, IIT Guwahati, Head, Department of Civil Engineering, Symbiosis Institute of Technology	Final experience as Industry Perspective
12:15 PM - 12:30 PM	Mr. Tejaswini S. Janghare, Professor, Civil Engineering Department, SIT Pune	Topic Break
12:30 PM - 12:45 PM	Mr. Tejaswini S. Janghare, Professor, Civil Engineering Department, SIT Pune	Topic Break
12:45 PM - 1:00 PM	Mr. Tejaswini S. Janghare, Professor, Civil Engineering Department, SIT Pune	Topic Break

Call us for Registration: **9902750575 / 9790932552** **OR REGISTER HERE**

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.

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.



BIOSIS INSTITUTE OF TECHNOLOGY (SIT)

DEPARTMENT OF CIVIL ENGINEERING, SIT PUNE

Congratulations

Dr. Sayali Apte, Ms. Sapna Shinde

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

SYMBIOSIS

DEPARTMENT OF CIVIL ENGINEERING, SIT PUNE

Congratulations

Dr. Vaishnavi Dabir, Prof. Kanchan Khare, Dr. Neeru Bhagat, Mrs. Anjana Desai

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

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.



GRANTED PATENT

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 SAHHAYYAK 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.

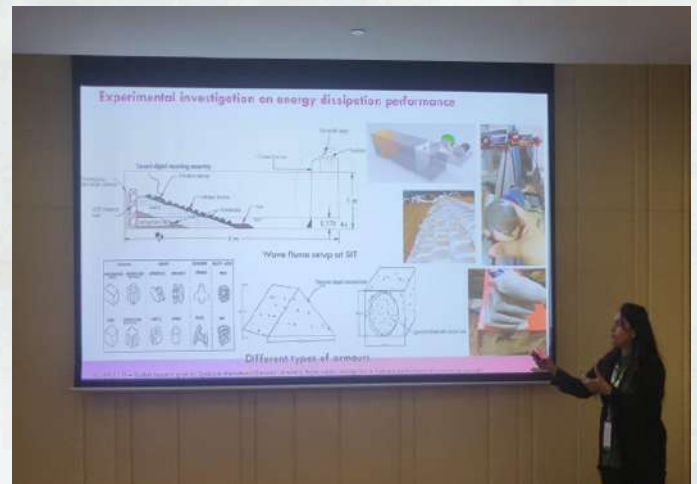


GROWING SIT- LOUGHBOROUGH UNIVERSITY CO-ORDIAL RELATIONS

· 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 Loughbrough 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.



ALUMNI SUCCESS STORIES

DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY
Presents

Success Story of Alumni - Lt Cdr Mitali Shukla

In the realm of determination and perseverance, Mitali Shukla stands as a beacon of inspiration for many aspiring students and alumni of our esteemed Civil Engineering Department, Symbiosis Institute of Technology, Pune. A B.Tech graduate in Civil Engineering, Mitali's journey from the academic halls of our institution to the prestigious ranks of the Indian Navy, and further to the acclaimed corridors of IIT Madras for an M.Tech in Ocean Structures, is a narrative of ambition, dedication, and exceptional achievement.

Mitali's academic voyage began with her enrolment in our B.Tech Civil Engineering program, where she distinguished herself not only as a scholar but also as a visionary with a profound interest in structural engineering and its applications in national defence and infrastructure. Her academic prowess, combined with her leadership skills and extracurricular engagement, laid the groundwork for a career that would soon transcend conventional boundaries.

As Mitali navigated through her semesters, her passion for applying engineering principles to serve the country led her to explore opportunities beyond the civilian sector. It was in her final semester that Mitali's aspirations found a new direction—she was selected to join the Indian Navy. This selection was not just a testament to her academic and physical capabilities but also her unwavering resolve to contribute to the nation's security and welfare.




A new initiative from the Department of Civil Engineering towards keeping contact with its Alumni base: Alumni Success Stories. This includes researching and contacting notably successful alumni and then asking them about their journey in their career. CESS, especially Ms. Ria Rai, the design head for CESS has been instrumental in these wonderful creatives. The first one of this series was of Lt CDR. Mitali Shukla, while the second one was of Mr. Vishal Kothawade.

DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY
Presents

Success Story of Alumni - Lt Cdr Mitali Shukla

The offer letter from the Indian Navy arrived as a defining moment in Mitali's life, marking the beginning of a challenging yet exhilarating journey. Her transition from a civil engineering student to a naval officer was both inspirational and indicative of the versatile applications of engineering education. Deployed in the field, Mitali embraced the rigorous life of a navy officer with zeal, dedicating herself to serving the country with honour and distinction.

Mitali's commitment and exemplary performance in the navy did not go unnoticed. In the 7 years of her meritorious service, she was selected as a sponsored student for undergoing a PGD at Indian Institute of Technology (IIT) Delhi in Naval Architecture and Ship Building followed by an M.Tech in Ocean Structures at the Indian Institute of Technology Madras, one of the country's premier technological institutes. This opportunity was not only a recognition of her service in the Navy but also an acknowledgment of her academic excellence and potential to contribute significantly to the field of ocean engineering.

At IIT, Mitali embarked on an advanced academic endeavour, delving deep into the study of ocean structures. Her work focused on leveraging civil engineering principles to design and analyse structures that can withstand the challenging marine environment. This specialised knowledge is crucial for the development of sustainable and resilient infrastructure in coastal and offshore areas, directly contributing to the nation's development and security.

Mitali Shukla's journey from a B.Tech student in Civil Engineering to a naval officer and then a sponsored M.Tech student at IIT Delhi and Madras is a remarkable example of how dedication, versatility, and the pursuit of excellence can pave the way for extraordinary achievements. Her story is not just one of personal success but also a source of motivation for our current students, encouraging them to explore diverse career paths and to contribute to society in myriad ways.

As we share Mitali's success story in our newsletter, we celebrate her achievements and the indelible mark she has left on our college's legacy. Her journey underscores the value of our academic programs, the importance of interdisciplinary learning, and the limitless possibilities that await those who dare to dream big and work tirelessly towards their goals. Mitali Shukla, an alumni of our institution, embodies the spirit of innovation, service, and excellence that we aspire to instil in all our students.




DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY
Presents

Success Story of Alumni - Mr. Vishal Kothavade

Not content with mere accomplishments, Vishal expanded horizons into residential plotting layouts in 2023, introducing two layouts in Nashik city, comprising more than 100 plots. This bold move underscores Vishal's visionary leadership and entrepreneurial spirit.

In 2024, Vishal continued to push boundaries with yet another ambitious project, demonstrating a steadfast dedication to quality and innovation. With 32 flats and 11 shops spanning 32,000 sqft, this latest venture stands as a testament to Vishal's unwavering commitment to providing homes of enduring quality and unmatched amenities.

Indeed, Vishal's success story is not just one of achievement but of vision, perseverance, and unwavering dedication to excellence. Through Vishal's endeavors, we witness the embodiment of the values instilled in our Students community of Civil Engineering Department, SIT Pune—a relentless pursuit of greatness and a commitment to making a meaningful impact in the world.

As Symbiosis Institute of Technology alumni, we take immense pride in celebrating Vishal's achievements and eagerly anticipate the continued brilliance that Vishal will undoubtedly bring to the realm of real estate and beyond.




DEPARTMENT OF CIVIL ENGINEERING
@SYMBIOSIS INSTITUTE OF TECHNOLOGY
Presents

Success Story of Alumni - Mr. Vishal Kothavade

Mr. Vishal Kothavade, a direct second year entrant after diploma to Civil Engineering at SIT Pune of Batch 2015-19, is now a successful Entrepreneur in the Construction Landscape.



One of the early milestones in Vishal's career was the inception of the groundbreaking residential housing project Ekdant Galaxy in 2019. With a vision to redefine residential living, Vishal spearheaded this venture, comprising 32 flats and 6 commercial shops, encompassing a total area of 30,000 sqft. Remarkably, this visionary project was not only completed within a year but also met with resounding success in the market.

Undeterred by challenges, Vishal continued to push the boundaries of innovation and sustainability. In 2021, Vishal achieved academic excellence, earning an M.Tech in Environmental Engineering, further enhancing expertise and insight into creating eco-friendly living spaces.



Bolstered by this knowledge, Vishal embarked on the ambitious Pancharatna Heights residential project in 2022, a testament to dedication and vision. This project, boasting 42 flats and 5 shops over 35,000 sqft, exemplifies Vishal's unwavering




BLUEPRINTS TO SUCCESS





Blueprints to Success: Student-Led Dialogues with Visionary Builders !

Student: Thank you so much for having us here, sir. We are honored to take your interview. Could you start by telling us about your company and your work?

Mr. Nitin Arwade, Chairman and Managing Director, Arwade Infrastructure LTD, engaged in an insightful and inspiring dialogue with Civil Engineering students at SIT, Lavale , Pune



Student: We're eager to learn about your journey in the construction industry. What inspired you to become a builder?

Mr. Arwade: My journey began in the steel business, supplying materials to construction projects. The transition from trader to builder stemmed from a desire to directly contribute to construction, starting with a project for Century Rail, marking the beginning of our construction endeavors.

Student: You've worked with over 100,000 tons of steel. Can you shed some light on handling such a heavy element in the industry?

Mr. Arwade: Steel is crucial for construction, serving as the backbone for structures like pre-engineered warehouses and vertical buildings. We manage steel in substantial quantities, ensuring the durability and integrity of our projects.

Student: Transitioning from trading to construction must have been challenging. Transitioning required a leap of faith and a willingness to tackle the unknown, from understanding basic construction concepts to managing cash flows and labor. The key to overcoming challenges lies in resilience, continuous learning, and a steadfast commitment to your vision.

Student: What are the key factors you consider when planning a new construction project?

Mr. Arwade: Planning involves understanding client expectations and meticulously designing the project from both an architectural and execution standpoint. Success hinges on detailed planning, embracing technology, and adapting to changes with innovative solutions.

Student: Technology plays a significant role in modern construction. Could you discuss its impact and recommend tools or software for students to learn?

Mr. Arwade: The evolution of technology, from BIM modeling and Tecla to project monitoring software, has revolutionized construction, enhancing efficiency and precision. Familiarity with these tools is essential for aspiring builders.

Student: Facing challenges and setbacks is part of the journey. Can you share an experience that tested your resolve and how you managed it?

Mr. Arwade: Embracing challenges as learning opportunities is crucial. From dealing with labor shortages during festive seasons to managing large-scale concrete pours, innovative solutions and a team-centric approach have been pivotal in overcoming obstacles.

Student: Lastly, do you have any advice for civil engineering students or aspiring builders?


Mr. Arwade: Engage with the industry to understand its dynamics, identify your area of interest, and seize opportunities to experiment and learn. Collaboration and hands-on experience are invaluable in preparing for a successful career in construction.

Student: Thank you very much for sharing your insights and experiences with us, sir. It's been incredibly enlightening.

Mr. Arwade: The pleasure was mine. I'm looking forward to further discussions and to sharing more about my journey, hopefully inspiring you to pursue a career in this rewarding field.

We are profoundly grateful to Mr. Nitin Arwade, for his thoughtful and courteous interaction. Your willingness to guide, motivate, and inspire our students with your wisdom and experiences is truly appreciated and will undoubtedly leave a lasting impact on their professional journeys

Symbiosis Institute of Technology, Lavale, Pune

Arwade Infrastructure LTD 




Blueprints to Success : Student-Led Dialogues with Visionary Mentors




Student: Thank you so much for having us here, sir. We are honored to take your interview. Could you start by sharing what inspired you to become a civil engineer?

Mr. Ashish Asati, Chief Engineer/Regional Officer, Madhya Pradesh, Ministry of Road Transport and Highways, Government of India, deliberates on Civil Engineering with the students of SIT.



Student: What were your biggest challenges in your career and how did you overcome them?

Mr. Asati: I am involved in implementing big infrastructure projects of building national highways, major bridges, Railways and bridges, flyovers etc. These projects involve several stakeholders i.e. DPR consultants, contractors, engineering consultants, state revenue departments for land acquisition, forest departments for forest clearance, ministry for approval of G.Os for RO, state transport departments for shifting of pipelines, and various companies for shifting of cables. Coordinating with so many departments in a time-bound manner with accurate and right decisions is a big challenge.

Student: Could you describe the types of construction projects you have been involved with?

Mr. Asati: I am involved in the infrastructure projects of expressways, national highways, major roads bridges, Rail Over Bridges, flyovers, overpasses etc.

Student: What are the key factors you consider while planning a new construction project?

Mr. Asati: While planning a new project, the key factors include the proper estimation of land requirement, minimum damages to the forest trees, location of cement plant, conserving wildlife, removing black spots where accidents are reported, and adoption of skilled contractors and consultants.

Student: How technology changed your work in any way?

Mr. Asati: Technology has significantly changed the way we work as present as compared to the last 20-25 years back. For example, there are advanced methods for the surveying of terrain, software for optimal designs of bridge, bridges, big spans for bridge, temporary concrete roads, high-capacity cranes for launching big girders, and various alternative materials leading to faster and cost-effective construction. All these have resulted in the completion of big infrastructure projects in a short time.

Student: Finally, what is the most important piece of advice you could offer to a civil engineering student?

Mr. Asati: Civil Engineering is the oldest form of Engineering and it continues to play very important role in the development of the world. With the increase in population, wealth, willingness to have comfortable life there is going to be a continuous demand for creation of new infrastructure alongside maintenance of already created ones. Even with the advent of new branches of Information Technology, Computer Science, Artificial Intelligence, Machine Learning, Civil Engineering still holds the fundamental of human existence. For things or need houses, for working or need offices, for movement we need roads/airports/airports. No any basic needs require Civil engineering. In light of the above, my advice to building Civil Engineers is to be relevant to the society. By virtue of creating physical infrastructure which is visible to all, make an outstanding impact on the quality of life of future generations and be proud of what you do.

Student: How do you approach risk management, especially in an industry known for its uncertainties?

Mr. Asati: Risk management is nothing but taking care of the concerns of all the stakeholders. For the implementation of a project, all stakeholders are approached with detailed planning. Their concern is addressed to every extent possible within the legal and regulatory framework.

Student: Where do you see the construction industry heading in the next 5-10 years, especially concerning sustainability and green building practices?

Mr. Asati: India is going to be a developed country by 2147 on the completion of a hundred years of independence. At present, in India, the logistic costs are very high in terms of time as well as value. The government is now planning to develop a network of roads, railways, airports, waterways and logistic parks, in such a way that anyone can approach one of these facilities within a radius of 50 km. This type of planning is going to give huge momentum to the construction industry in the next 1 to 10 years. To become a developed nation by 2047 India needs to have an infrastructure in place by 2017 i.e. 15 years before which would lead our country to realize the dream of a developed nation. The next 5 to 10 years are going to be a game changer for civil engineering professionals. The development is being planned with due regard to environment friendly and sustainable development. The use of Flyash, ash and the construction of Amra Sarwar, shade plantations, and mulch plantations are going to give development activities a green touch which would be very helpful to our future Generations.

Student: Looking back, what do you consider your greatest success? How did it impact your career?

Mr. Asati: I consider the timely completion of any green road bridge project with good quality and without litigation along with consideration of environmental sustainability as my greatest success which has helped in the construction of smooth, safe and reliable infrastructure for the development of the country.

We sincerely appreciate Mr. Ashish Asati for sharing his journey and knowledge with us. Your willingness to share your knowledge and experiences with our students in order to mentor, encourage, and inspire them is greatly appreciated and will surely have a lasting effect on their future careers.

Symbiosis Institute of Technology, Lavale, Pune

Another new and exciting initiative from the Department of Civil Engineering SIT-Pune: Blueprints to Success: Student Led Dialogues with Visionary Builders. As the name suggests, students have been given a chance to go visit certain people who have done notable work in the field of Civil Engineering.

The benefits of this are multiple, but the few prominent ones are Industry Connect, Student Communication Development, Highlighting of the Institute's Values and Standards, etc.

The process to this was to select a few students, train them on how to interact with people professionally and then arrange for a visit with an experienced professional in the industry of Civil Engineering. The students were given a chance to decide on which questions they were to ask but , only after getting them verified with their mentor faculty.

The first interaction was with Mr. Nitin Arwade, the Chairman and Managing Director at Arwade Infrastructure LTD. and the students who spearheaded this interaction were Mr Arman Joshi and Ms. Riya Vishwanath from the 2021-25 batch at the Department of Civil Engineering SIT-Pune. The second interaction was with Mr. Ashish Asati , a notable Government Officer experienced in road construction.