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, team work while establishing quality consciousness and demand driven, 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 extracurricular activities.
Civil Engineering society of Symbiosis [CESS] conducts activities which include Engineer's day celebration, organizing guest lectures, organizing field or industrial visits, conducting departmental farewell, workshops and debate, extempore, quizzes & art competitions. Some of them are as follows-

**CAPOMAESTRO-2012** (Master Builder) was a Civil Engineering Technical Event held in Reverb-2012. It was a model making and functional drawing competition. Event had 30 participating teams from all across the state which were highest among others. Participants had to make a bridge model using Popsicle stick which were priory tested for deflection (maximum allowed was 4cm) and had to execute on the spot functional drawing. The team with the strongest model & the most innovative functional design together, were awarded the title "Capomaestro". Department had sponsorship from well-known companies like Morficon Systems and M.S.Khurana Engineering Ltd and prizes worth Rs 25000/-.

With proper co-ordination between the department faculty and students it went to success and a proud making event.

---

**Model Testing and Functional Drawing**
ENVIRO-2012 The Poster Exhibition was arranged by CESS on Monday 30th April 2012. The students expressed their concern for a better understanding of the social, environmental and economic implications and impacts of the Environmental Pollution through their posters.

Two day workshop on ‘Road safety and road accident prevention’- 19, 20 July, 2013

As a part of Road Safety Audit Consultancy Project of Pune Solapur NH-9 Package – II for National Highways Authority of India, Symbiosis Institute of Technology had organized a two day workshop on “Road Safety and Road Accident Prevention”.

The participants of the workshop comprised of the eminent personalities from the organization associated with the concerned project the NHAI, the PSRDCL, ICT and the students of Civil department.
Engineers’ day was celebrated by CESS, SIT on 16 September 2013, by planning the guest talks along with a Group Planning Exercise competition for TY and SY students. Mr. Atul Dawale was then invited for a lecture on Skywalks as he led prominent role in the development of skywalks in Mumbai. In his lecture, explained about the engineering difficulties faced by the team, the political pressure and how Skywalks were made successful. Mrs. Varsha Dawale delivered a presentation of Urban Planning discussing the need and planning strategies for a better tomorrow.

**Ferro-cement Workshop**

Ferro concrete is a system of reinforced mortar plaster applied over layer of metal mesh, woven expanded-metal or metal-fibers and closely spaced thin steel rods such as metal is iron or some type of steel. In this workshop the students were asked to make a concrete block with ferro cement and compared its strength with the regular cement block.
CAPOMAESTRO '13 – The tech-fest duration was 14\textsuperscript{th} to 16\textsuperscript{th} Feb 2014. It comprised of few exciting events as follows.

- ECHO-Paper Presentation
- Dimensions
- CAD-O Mania
- EXHIBITORS
CAPOMAESTRO '14

The tech-fest duration was from 7th to 9th March 2014. It comprised of 5 exciting events, both outdoor and indoor, and are as follows.

- Create–O–Cad
- The Trail
- G–Construct
- Dimensions
- Post Your Way

Mr. Kazim Raza Khan, Vice President, IL&FS – Transportation Networks Ltd. was invited as the Chief Guest and judge for CAPOMAESTRO '14.

A one day workshop on Bridge Design, Fabrication and Testing as a part of National Level Bridge Design Challenge–Technex'15, IIT-BHU, Varanasi, was organized at Symbiosis Institute of Technology, Pune on 31st January, 2015 by Civil Engineering Society of Symbiosis in association with Civil Simplified.
Our honorable Director, Dr. T.P. Singh Sir inaugurating Capomaestro’15

Events—

Dimensions— On the spot model making, Capomaestro’s biggest event.

Participants from various colleges making and testing Model
Echo – The paper presentation event.

Create-O-Cad – Participants went through a test for checking their skills of planning and drafting with Auto-Cad

Post Your Way- Participants get their creative caps on to make posters to spread ecological awareness.
The Trail – Teams face other teams to tackle various levels of challenges before the clock ticks off.

Teams collecting the clues trying to hunt the Treasure

Staad Pro Workshop

STAAD (Structural Analysis and Design) Pro is a software used to design and analyze the structure. CESS had called The Bentley learning conference to conduct this workshop.

GUEST LECTURES ARRANGED

- Dr. Mukund Shiyekar (Sinhgad College, University of Pune) delivered a lecture on 6th March 2012 on topic “Simple concepts in Structural Engineering and a concept of soft storey in multistoried building” for T.Y. and Final year students.

- Mr. K. Moodley (University of Leeds) on ‘Further education in abroad and useful for Civil Engineering’ 02/07/13 for T.Y. and Final year students.
• Mr. Ramesh Kulkarni (CMD) Soiltech (India) Private Limited delivered a lecture on 25/7/12 for first year students on the topic of “Introduction to Civil Engineering”

• Prof. Anand Gosavi (Dean- School of construction management–NICMAR) on ‘Construction management and project planning’ 08/02/2014 for TY and Final year civil.

• Mr. Prashant Pokharkar (Director, Epitome Consultancy Services), on ‘Earthquake resistant Design of Structure’, 18/10/2013 for TY civil.

• Mr. Khalandar Khan (Transport Planner, Independent Consultant, Bangalore) on ‘Urban Parking Issues and Parking Demand Estimation’ 26/09/2013 for TY civil.

• Mr. Atul Dawale (Director of Navnirman Development Consultants (India) Private Limited, Pune) on ‘Skywalks’ 16/09/2013 for SY, TY civil.

• Mrs. Varsha Dawale (Director of Navnirman Development Consultants (India) Private Limited, Pune) on ‘Urban planning’ 16/09/2013 for SY, TY civil.

• Dr. Dhananjay Pandit (Head, Water Resources Dept at DHI (l) Water & Environment, Pune, India) on ‘Role of civil engineer, water resources as a field’ 17/07 for FY, SY and TY civil.

• Mr. S.K. Hiremath from National Defence Academy (NDA), Khadakwasla delivered a lecture on ‘Web GIS and Application Design’ for the students of M.Tech. (Geoinformatics and surveying technology) on 26th April ’14

• TEDClub at at SIT held first TED 2014 Live simulcast on 19th March 2014.

• Mr. Shikhare is Project Management Consultant and has wide experience in the development of infrastructures in India and in Gulf countries. One of is major projects involves D.Y.Patil Stadium at Nerul, Navi Mumbai delivered a lecture on 5/8/2014, Tuesday on “Project Management in Civil Engineering” for FY and SY civil.

• Mr. Joshi is a consultant in the area of coastal engineering which is sub branch of Water Resources Engineering he has wide experience in handling coastal works related to Civil Engineering. He also worked with CWPRS in the area of Coastal Engineering delivered a lecture on 6/8/2014, Wednesday for FY and SY civil on this sub branch.

• Mr. Aagashe delivered a lecture on “3D photograph technology in Civil Engineering projects – the effective teaching” 6/8/2014, Wednesday for FY and SY civil.

• Prof. Dhananjay M.Apte( Consultant) delivered a lecture on “Introduction to TQM” on 14/8/14 for T.Y. Civil.

• Mr. Sushil Girme.( Trainer of TATA MOTORS and faculty from AISSMS) “TQM: a life skill for Engineers” on 23/8/14 for T.Y.Civil

• Prof. Tejashree Dashaputre( VIIT-Faculty) “Geology–A backbone of Civil Engineering” on 23/8/14 for S.Y.Civil.
• Dr. Terry Cousens, Senior Lecturer, Institute for Resilient Infrastructure (School of Civil Engineering, University of Leeds)* 'Future of Engineering' covering all engineering and looking at research in the civil discipline* on 20.11.14 for S.Y. Civil and T.Y. Civil.

**INDUSTRY VISITS**

• SY and TY civil students- Tuesday , 11/10/2011- Panshet, varasgaon & Khadakwasla Dams,Pune
• SY and TY civil students-Friday, 16/03/2012- Water Treatment Plant, Pimpri chinchwad Municipal corporation.
• SY and TY civil students- Friday : 16/03/2012- Fly over construction work at Pimpri chinchwad ,Nashik fata by B.G. Shirke Group
• TY civil- 21/10/2013- Central Water and Power Research Station, Pune
• SY civil- 18/10/2013- Central Water and Power Research Station, Pune
• TY civil- 30/9/2013- Four Seasons, Bhugaon, Pune- construction of Bungalow using Ferrocement Technology.
• TY civil- 30/9/2013- Residential Construction Site (RCC design and slab casting)
• SY civil- 30/9/2013- Gargoti Minerals Museum (Gemmology and Mineralogy museum)
• TY civil- 06/09/2013- Water Treatment Plant, PCMC
• FY civil- 18/07/2013- Project Jaldoot (Project for Pure drinking water using NCLs UF membrane technology)
• SY civil-28/04/2014- JMC developers (Project of Mahindra and Mahindra Realty) Residential Construction Site
• TY civil- 10/09/2014- Water Treatment Plant and sewage treatment plant, PCMC
• TY civil- 17/11/2014- Pune Railway Station.
• TY civil- 17/11/2014- L-Axis Pharande(Apartment Construction),New Pradhikaran,PCMC
• SY civil- 15/11/2014- Siporex India Pvt.Ltd.,B.J.Shirke,Mundhwa,Pune
Visit to Water Treatment Plant, Nigdi

Visit to a construction site in Hinjewadi

Visit to a construction site in Hinjewadi