

# CIVIL'IVE

MADE BY - SAMYAK RAI & MANSI ASATI



DEPARTMENT OF CIVIL ENGINEERING

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

# INDEX

- 02** About Symbiosis
  - 04** Clubs in Civil Engineering Department
  - 05** Cess (Civil Engineering Society of Symbiosis)
  - 17** ASCE (American Society of Civil Engineering)
  - 19** T.T.C. ANCHORAGE (Talk The Cloak)
  - 23** Photo Gallery
- 
- 02** Vision
  - 04** Clubs in Civil Engineering
  - 05** CESS
  - 12** Capomaestro
  - 17** American Society of Civil Engineering
  - 19** T.T.C. ANCHORAGE
  - 22** Alumni Achievement
  - 23** Photo Gallery

# 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.

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.



## VISION

To contribute to the society by providing real-time education, professionalism, and entrepreneurial skills in the field of Civil Engineering

## MISSION OF THE DEPARTMENT

M1 - To provide latest state of art technical education and research in congenial learning environment to meet the societal needs.

M2 - To inculcate professional ethics and lifelong learning through curricular and co-curricular activities.

M3 - To nurture creative thinking and encourage entrepreneurs in Civil Engineering

## 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.

## ENGINEERING

This is not the age of pamphleteers. It is the age of engineers. The spark-gap is mightier than the pen.

# Clubs in Civil Engineering Department

1. CESS (CIVIL ENGINEERING SOCIETY OF SYMBIOSIS)

2. ASCE (THE AMERICAN SOCIETY OF CIVIL ENGINEERING)

3. TTC (TALK THE CLOCK ANCHORAGE)





# 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 2021-22

| 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 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 work load in his absence.   |
| ANNUAL EVENT HEAD  | Thinking and planning the events throughout the year.   |
| SPONSORSHIP HEAD   | Holding the responsibility to get in touch with companies for sponsorship for events throughout the year, including CAPOMAESTRO.  |
| S-R HEAD           | Holding the responsibility to get in touch with colleges for participation for events throughout the year, including CAPOMAESTRO.   |
| DESIGN HEAD        | Holding the responsibility to prepare all the creatives for events throughout the year, including CAPOMAESTRO.  |
| DOCUMENTATION HEAD | Holding the responsibility to prepare document and reports for events throughout the year, including CAPOMAESTRO.   |
| SOCIAL MEDIA HEAD  | Holding the responsibility to post all the creatives for events throughout the year, including CAPOMAESTRO.   |
| LITERATURE HEAD    | Holding the responsibility to prepare writeups for content including e-mails,captions, MoU, blog writings, proof checking etc. for all the creatives for events throughout the year, including CAPOMAESTRO. |
| ACCOLADES HEAD     | Holding the responsibility to maintain list of all the winners for events throughout the year, including CAPOMAESTRO.   |
| TECHNICAL HEAD     | Holding the responsibility of all the technicalities for events throughout the year, including CAPOMAESTRO.   |
| FINANCE HEAD       | Mainting all the expenditure.   |

## CESS 2021-22

Let the  
journey begin!



| Position          | Head               | Co-Head                         |
|-------------------|--------------------|---------------------------------|
| President         | ISHIKA KOCHHAR     |                                 |
| Secretary         | JAINAM SHAH        |                                 |
| Vice President    | DEIMAPHISA CAJEE   |                                 |
| Annual Event Head | SAKETH BHARTHIPUDI | MANSI ASATI                     |
| Sponsorship       | TEJRAJ SINGH       | DARSHH NAKASHE                  |
| S-R               | DHRUV CHAUHAN      | IDRIS SAIFY                     |
| Design            | DANIEL KIR KUNAY   | SAHIL RAI                       |
| Documentation     | SHUJA MIR          | SWETA THAKUR                    |
| Social Media      | RAJAT SACHAN       | SHREYAS NALAVDE,<br>KARTIK SHAH |
| Literature        | ANMOL RAMKUMAR     | SAMYAK RAI                      |
| Accolades         | BHAVYA KOTHARI     | DIVY BHAGAT                     |
| Technical         | PRAJWAL SIRBHATE   | MONIKA GANDHI,<br>YASH CHAVAN   |
| Finance           | ALEFIA ASAD        | DEVANSH AGRAWAL                 |

Dear Readers,

I may fall short of words to express my emotions and my gratitude for the opportunity I have received to be the President of the Civil Engineering Society for the academic year of 2021-22. I extend my sincere thanks to the faculty and the seniors who inculcated such capabilities in me that I felt confident to be able to discharge my duties and responsibilities as the President of CESS. I would also like to thank all my fellow batchmates who trusted me and have put their faith in me.



**PRESIDENT OF CESS 2021-2022**  
ISHIKA KOCHHAR (BATCH OF 2019)

It's been an enthralling experience so far and I hope to accomplish as much as possible along with my team for the remaining time. It's been a few weeks since I got this position but even in this short duration, I've learnt many new skills and gained several new experiences along with my team.

In the future we have decided to keep various tech talks and webinars and we have also started planning a few events which would be beneficial for all of us. Apart from this we would also organise our annual technical fest called Capomaestro along with TTC- Anchorage, which comprises of several technical as well as general events with participants from various colleges across India as well as abroad.

Stepping into the shoes of our seniors for this role accompanied with responsibility seems tough but we as a team would try our best to live to the expectations and accomplish fantastic feats as Team CESS.

A team is like a tool set, not one tool can do all the jobs, but together it can, so let's join our hands together to work with team spirit in the day to day functioning of our college and the students.

Together, let's take our department to the greater heights of success!



ISHIKA KOCHHAR  
PRESIDENT



JAINAM SHAH  
SECRETARY



DEIMAPHISA CAJEE  
VICE PRESIDENT



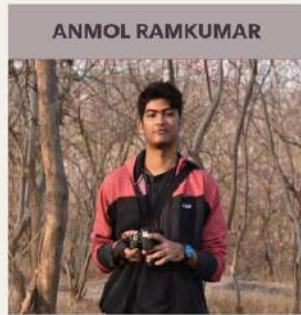
SAKETH BHARTHIPUDI  
ANNUAL EVENT HEAD



MANSI ASATI  
ANNUAL EVENT CO-HEAD




KARTIK SHAH  
SOCIAL MEDIA CO-HEAD




ANMOL RAMKUMAR  
LITERATURE



SAMAYAK RAI  
LITERATURE CO-HEAD



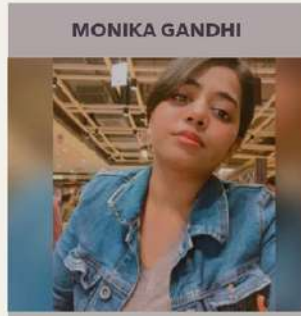
BHAVYA KOTHARI  
ACCOLADES



DIVYA BHAGAT  
ACCOLADES CO-HEAD




PRAJWAL SIRBHATTE  
TECHNICAL



MONIKA GANDHI  
TECHNICAL CO-HEAD 1



YASH CHAVAN  
TECHNICAL CO-HEAD 2



ALEFIA ASAD  
FINANCE



DEVANSH AGRAWAL  
FINANCE CO-HEAD



TEJRAJ SINGH  
SPONSORSHIP



DARSHH NAKASHE  
SPONSORSHIP CO-HEAD



DHRUV CHAUHAN  
S-R



IDRIS SAIFY  
S-R CO-HEAD



DANIEL KIRKUNAY  
DESIGN



SAHIL RAI  
DESIGN CO-HEAD



SHUJA MIR  
DOCUMENTATION



SWETA THAKUR  
DOCUMENTATION CO-HEAD



RAJAT SACHAN  
SOCIAL MEDIA



SHREYAS NAAVDE  
SOCIAL MEDIA CO-HEAD

Hello readers,

I feel obliged to receive this opportunity of sharing my experience as a CESS President with all my beloved juniors and fellow students.

The whole journey started back in October 2019, when we had elections for the new CESS team and prominently, for the "new face of CESS", that's how a president's role is defined. So yes, after the elections, a new president with his team was ready with all the energy and enthusiasm to break all records and give a new look to the only official club for civil engineering students at SIT.

With all this zeal, the team started immediately to work upon the planning of various events, but as we always say, God has his own plans, COVID-19 had already entered the lives of the humans on earth. This led to a small break for everyone on the planet, nothing we knew about the fact that this break will be a constant member of our family and hence will urge us to change the way of leading our lives and performing our duties and responsibilities in a completely different manner.

But there's another famous saying, "one should always try to proceed when people think we can't proceed", this one is written by an upcoming famous personality, Ashwani Kumar, yes, I am talking about myself :)

And the whole team learnt how to keep working irrespective of the challenges which comes in our way as it is only there to make us more strong and skillful. Slowly and gradually, all of us got a hang of it and hence learnt how to handle various situations and also learnt to work on various technologies.



**President of CESS 2020-2021**  
Ashwani Kumar (Batch of 2018)

On the whole journey as a CESS President, I've been fortunate to have such a supportive team which not only made my task easy but also took a lot of stress off my head. The blessing in disguise was to have amazing guide in the face of Vaishnavi Dabir ma'am who not only cared about the event, but also about the rules, participations and most importantly, the CESS family. I won't be wrong if I say that she took the responsibility of being the right head of the family.

Moving on, it was a good experience to work along with our current faculty head, Dr. Sayali Sandbhor. Best part throughout my experience was to have kind and motivating words from our HoD and faculties which we use to get after every event. Our team brought this trend of receiving feedbacks from our teachers after every event and hence this helped us in our constant improvement. We introduced many events in the Civil department for example, online paper presentation competition, annual prize distribution (with a new look), engineer's day celebration and many more. We were also fortunate to organize an online version of our famous techfest, CAPOMAESTRO, I was fortunate to work in this team along with some really special members.

I was also fortunate to have the team in the top 60 ranking for a national level competition organized by IIT-Delhi and their alumni. Overall, it was a great journey with a lot of lessons which I've learnt and I am sure that this will help all our members to mold themselves in a better version of themselves. Lastly, I would like to thank all the people who have been with me and even the one who were against me as they have made me a stronger human inside out.

**Thank you! Jai Hind!**

# TEAM CESS 2020-21



ASHWANI KUMAR

PRESIDENT



DIKSHA SHARMA

VICE PRESIDENT



MEET RABADIA

SECRETARY



HIMANSHU  
AGRAWAL

ANNUAL EVENT HEAD



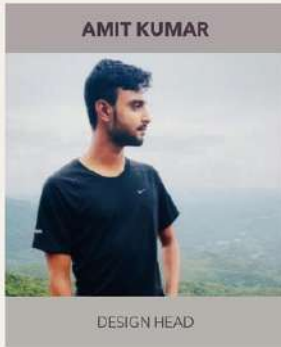
ISHIKA KOCHHAR

ANNUAL EVENT CO-  
HEAD



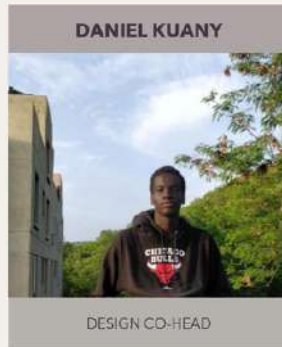
JAY HARYANI

S-R HEAD



AMIT KUMAR

DESIGN HEAD



DANIEL KUANY

DESIGN CO-HEAD



KOMAL PUKALE

DOCUMENTATION HEAD



VEDANGI SHINDE

DOCUMENTATION CO-HEAD



SUJIT UPPALA

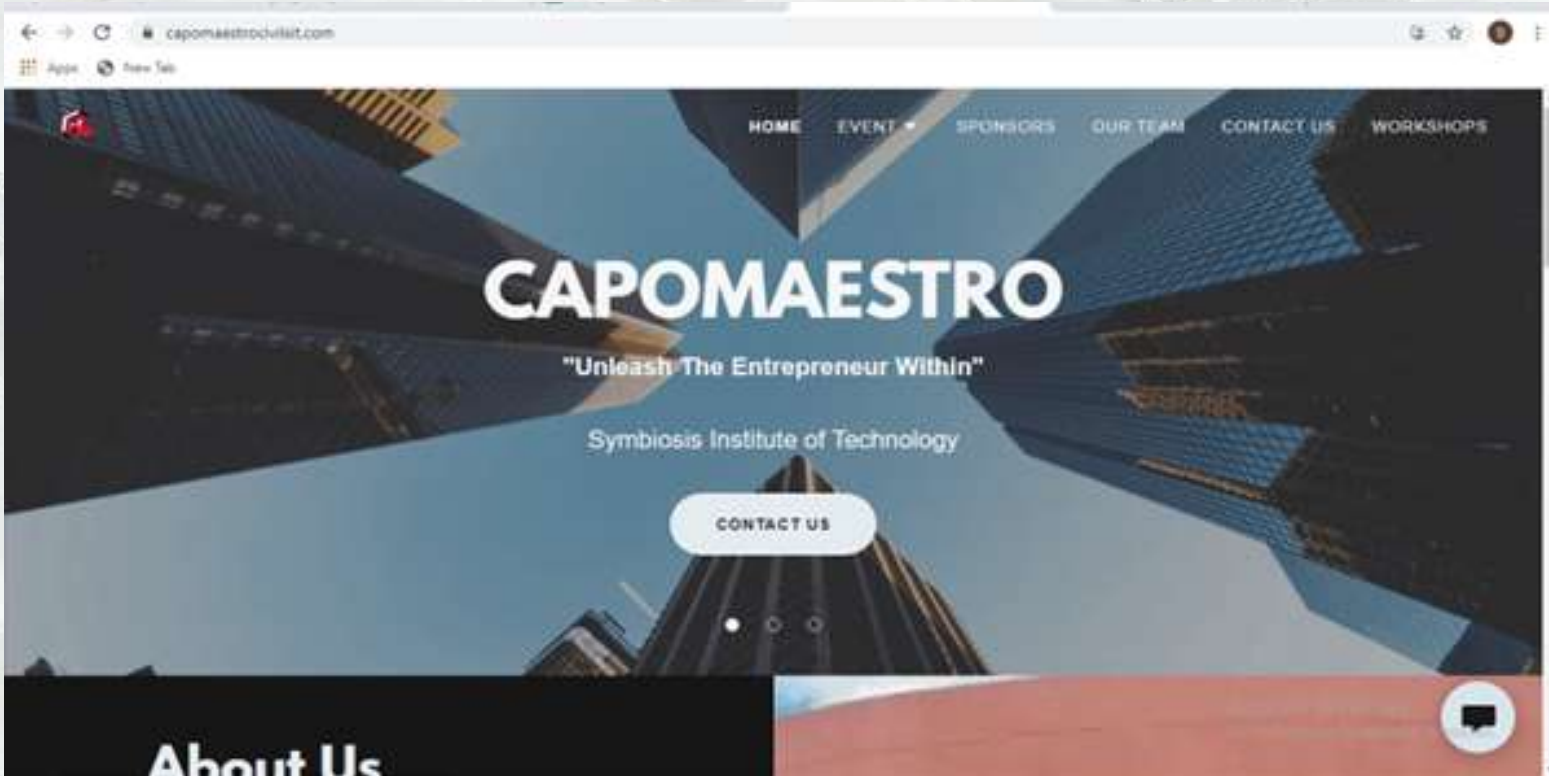


NICHOLAS  
VANLALHUMHIMA



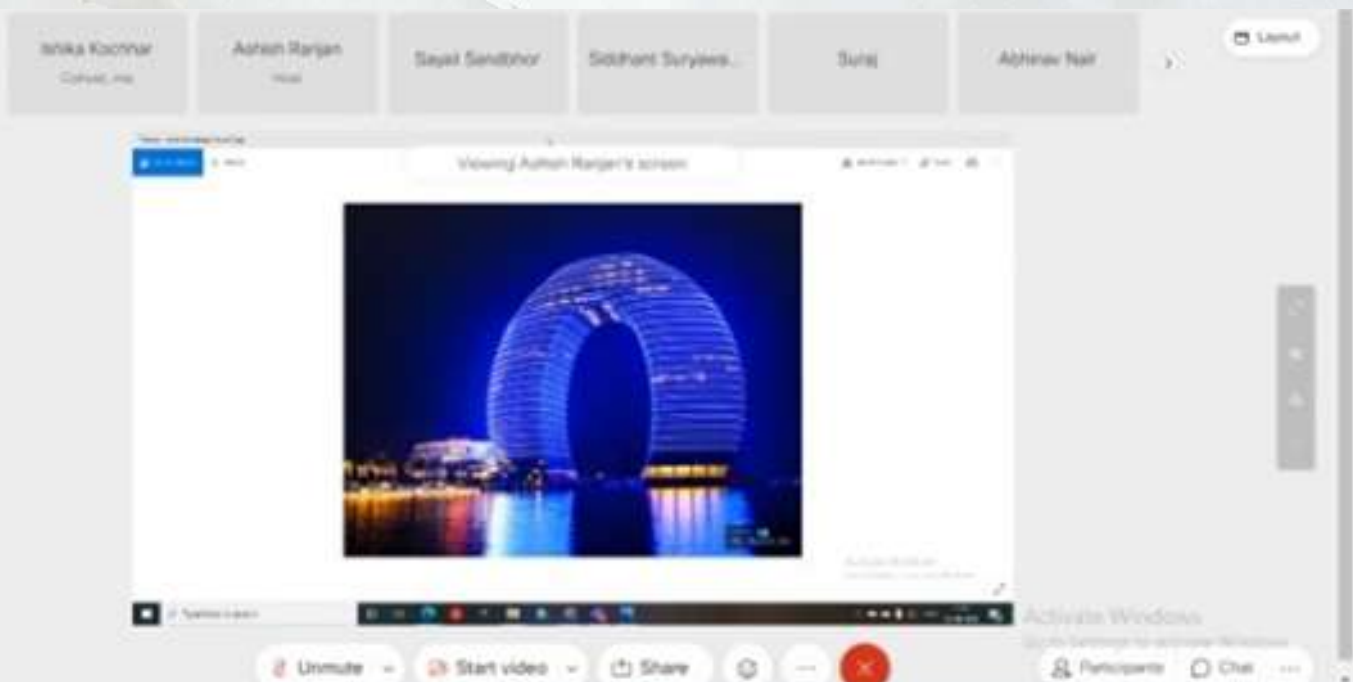
PRAJWAL PATIL

# A GLIMPSE OF CAPOMAESTRO 21- TECHFEST OF CIVIL ENGINEERING DEPARTMENT SIT



CIVIL ENGINEERING STUDENTS DESIGNED THEIR OWN WEBSITE FOR TECH FEST PROMOTION.

CESS TEAM PLANNED FOUR MAJOR TECHNICAL EVENTS ALONG WITH 4 FUN EVENTS.



Viewing Chiranya Nair's app

## FINANCIAL ANALYSIS

**INITIAL ONE TIME INVESTMENT = 1.10 to 1.15 Cr INR**  
**MONTHLY CASH BURN = 3 to 10 L. Cr INR**

*App Revenue is:*  
**Total revenue: 41% per year**  
**Gross Margin: 37% per year**

**Break-even point: 2 year 3 months (Approx.) OR 11-12 Schools**

**(Break-even Analysis)**

| INITIAL COST INR | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|------------------|--------|--------|--------|--------|--------|
| One-time         | 14.1   | 141.1  | 141.1  | 141.1  | 141.1  |
| Total Expense    | 176.9  | 88.9   | 88.7   | 88.3   | 88.2   |
| Net Profit       | 132.8  | 52.2   | 52.2   | 52.8   | 52.9   |



**Meeting details**

- (11)
- Ami Kumar Bhattacharya
- Arpit Singh
- Anusha Mahapatra
- Devin Cappe
- Kriti Tyagi
- Lavisha Bagga
- Pooja Komal Bhattacharya
- Rohit Deyal
- Shubhankar Malik
- Sunil Parasharwan Cappe

Meeting details

Meeting controls: Mute, Video, Screen Share, Chat, etc.



PRIZE DISTRIBUTION FOR EVENTS TOOK PLACE ON A VIRTUAL PLATFORM AND STUDENTS DESIGNED AND DEVELOPED VIRTUAL CEREMONY FOR GIVING AWAY PRIZES.



◀ ..... ▶  
COMEDY NIGHT POST SUCCESS OF CAPOMAESTRO 2021



### PRE- TECHFEST FREE WORKSHOPS

TEAM CAPOMAESTRO ORGANIZED PRE-TECHFEST WORKSHOPS. MORE THAN 200 PARTICIPANTS FROM OUTSIDE SIT REGISTERED FOR EACH WORKSHOP.

3 DAYS WORKSHOP ON GOOGLE SKETCHUP FROM 10TH TO 13TH APRIL 2021,

2 DAYS WORKSHOP ON AUTODESK REVIT FROM 13TH TO 14TH APRIL 2021,

2 DAYS WORKSHOP ON STAAD PRO FROM 16TH TO 17TH APRIL 2021

**CAPO MAESTRO**  
CIVIL ENGINEERING DEPARTMENT, SYMBIOTE INSTITUTE OF TECHNOLOGY  
PRESENTS  
**Google SKETCHUP**  
WORKSHOP  
April 10th, 12th, 13th 2021  
CERTIFICATES FOR ALL THE PARTICIPANTS  
&  
FOLLOWED BY A DESIGN COMPETITION WITH PRIZES WORTH 15000+ INR  
**FREE REGISTRATION**  
HTTP://BIT.LY/CAPOMAESTROSKETCHUP  
Logos: EDICADD, CC ANANDA, youth incorporated, NOTICEBOARD  
Visit <https://capomaestrocivilsit.com/> Contact: 9589357799 / 7903779700

**CAPO MAESTRO**  
CIVIL ENGINEERING DEPARTMENT, SYMBIOTE INSTITUTE OF TECHNOLOGY  
PRESENTS  
**AUTODESK REVIT**  
WORKSHOP  
April 13th, 14th 2021  
CERTIFICATES FOR ALL THE PARTICIPANTS  
&  
Followed by a design competition with PRIZES WORTH 15000+ INR  
**FREE REGISTRATION**  
HTTP://BIT.LY/CAPOMAESTROREVIT  
Logos: youth incorporated, CC ANANDA, NOTICEBOARD  
Visit <https://capomaestrocivilsit.com/> Contact: 9589357799 / 7903779700

**CAPOMAESTRO**  
CIVIL ENGINEERING DEPARTMENT, SYMBIOTE INSTITUTE OF TECHNOLOGY  
DATE: 23-24 APRIL  
ORGANIZED BY  
**STAAD PRO**  
WORKSHOP  
DATE: 16-17 APRIL  
FOR REGISTRATION  
HTTP://BIT.LY/CAPOMAESTROSTAADPRO  
Logos: youth incorporated, CC ANANDA, NOTICEBOARD  
Visit <https://capomaestrocivilsit.com/> Contact: 9589357799 / 7903779700

contacts civil center is presenting  
To make such attractive 3D models mail at [team@civilcenter.in](mailto:team@civilcenter.in)  
To learn how to make a 3D Building Model using SketchUp, register on the link in description.  
Meeting details: Raise hand, Turn on captions, contacts civil center is presenting

# American Society of Civil Engineering



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

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

# T.T.C. ANCHORAGE

THINK. WORK. INNOVATE...



## COMPLETED PROJECTS

- HEAT OF HYDRATION
- AUDIT EYE
- W- SAM
- MIX DESIGN USING SPEECH RCOGNITION
- CIVIL ASSITANT
- ARCHITECTURE MODELS

# ONGOING PROJECT



DIGITAL TWIN



SELF SENSING CONCRETE

10

## ACHIEVEMENTS



Notable rank in Avishkar



152th rank in mapathon



52nd rank in international Architecture competition ( Archmello)



1st & 2nd place in Srujanotsva



Notable rank in Envizn



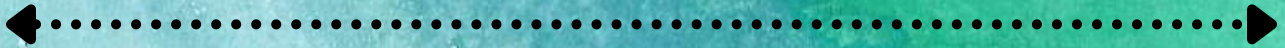
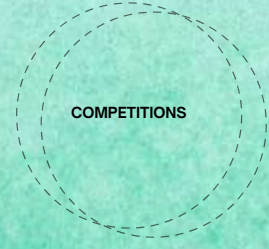
ACE Design Competition



ASCE

# Our Plans

TTC 2021-22



**COMPETITIONS**

Concrete  
Canoe

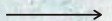
AAKAR 2022

MAPATHON

ARCHMELLO COMPETITIONS

ARCH OUT LOUD

INTER COLLEGE COMPETITIONS



# Alumni Achievement

1. **Hamza Karbhari** secured 10 GPA during his internship semester from January 2020 to May 2020.
2. **Ankush Kumar Meena, Arora Nilesh Vedprakash, Bhavsar Sushant Sunil, Danby Caetano D'Costa, Maheshwari Devesh Dinesh**, for being the part of runners up team for the Best B.Tech project in Civil Department for the academic year 2020-21, titled as 'BIOMIMETIC UNDERGROUND COLD STORAGEES.'
3. **Atharva Ganegaonkar, Kabhi Baghel, Hamza Karbhari** for being part of the team winning the Best B.Tech project in Civil Department for the Academic year 2020-21, titled 'PLANNING AND DESIGNING OF A SMART AND SUSTAINABLE TOWNSHIP USING BIM IN PUNE CITY.'
4. **Aman Khandelwal** secured runner up for Best B.Tech project in Civil Department for Academic year 2020-21, titled as 'URBAN FLOODING : THE CASE STUDY OF IIT DELHI CAMPUS.'

## Photo Gallery



Civil Department



PHOTO - IDRIS SAIFY (SY)



PHOTO - SAMYAK RAI (SY)



PHOTO - MANSI ASATI (SY)



PHOTO - SAMYAK RAI (SY)



PHOTO - SHREYAS NALAVADE (SY)



PHOTO - MANSI ASATI (SY)



PHOTO - MANSI ASATI (SY)

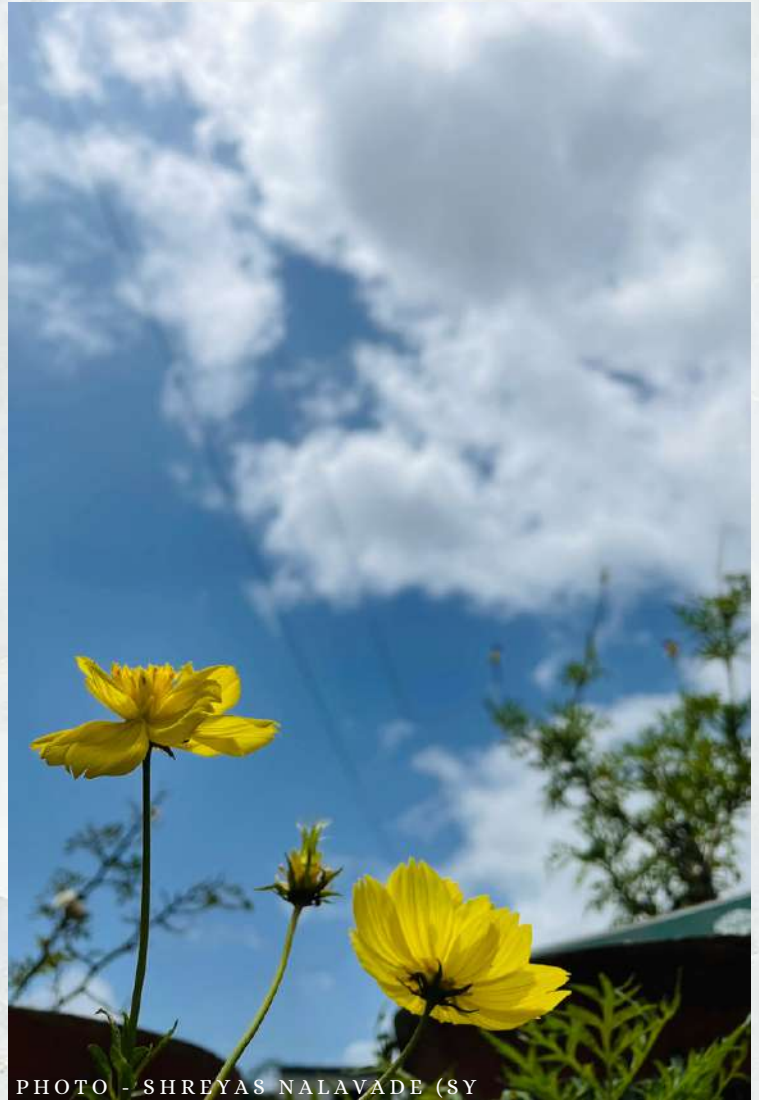


PHOTO - SHREYAS NALAVADE (SY)



©IDRISSAIFY



PHOTO - MANSI ASATI (SY)