



**MAR BASELIOS**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
— AUTONOMOUS —

**ASCE**

**STUDENT CHAPTER**

Mar Baselios College of  
Engineering & Technology

# Mar Baselios College of Engineering and Technology (MBCET)

# Annual Report

February 2022 - January 2023

American Society for Civil Engineers Student Chapter



### **Mailing Address**

**Mar Baselios College of Engineering and Technology,  
Mar Ivanios Vidya Nagar, Nalanchira P.O.,  
Trivandrum – 695015,  
Kerala, India**

# **Contact Information**



### **Email Address**

**ascembcetstudents@gmail.com  
neethumbt@gmail.com (Faculty Advisor)**



### **Social Media Address**

**<http://www.facebook.com/asce.mbcet>  
[https://instagram.com/asce\\_mbcet](https://instagram.com/asce_mbcet)**

# MBCET ASCE Team

2022-2023



# Our Advisors



**FACULTY ADVISOR**  
**Dr. Neethu Roy**  
**Prof. & Dean (R&D)**  
**Dept. of Civil Engineering,**  
**MBCET**  
**Kerala, India**  
**M.ASCE # 10452418**  
**neethumbt@gmai.com**  
**Mob: 967169399**



**FACULTY CO-ADVISOR**  
**Ms. Anupama Krishna D.**  
**Asst. Professor**  
**Dept. of Civil Engineering,**  
**MBCET**  
**Kerala, India**  
**anupama.d@mbcet.ac.in**  
**Mob: 95673 49234**



**FACULTY CO-ADVISOR**  
**Ms. Archana J. Satheesh**  
**Asst. Professor**  
**Dept. of Civil Engineering,**  
**MBCET**  
**Kerala, India**  
**archana.satheesh@mbcet.ac.in**  
**Mob: 9497272863**



**PRACTITIONER ADVISOR**  
**Dr. Kuncheria P. Issac**  
**Vice Chancellor**  
**Hindustan Institute of**  
**Technology**  
**and Science (HITS)**  
**Chennai, India**  
**A.M.ASCE # 10472223**  
**kpissac@yahoo.com**  
**Mob: 944730494**



**PRACTITIONER ADVISOR**  
**Mr. Kesavan Gangadharan**  
**Structural Consultant – Iyer**  
**and Mahesh,**  
**Thiruvananthapuram,**  
**Kerala, India**  
**F.ASCE # 360479**  
**assekg1@gmail.com**  
**Mob: 9446748253**

# EXECUTIVE COMMITTEE

EXECUTIVE COMMITTEE  
EXECUTIVE COMMITTEE  
EXECUTIVE COMMITTEE  
EXECUTIVE COMMITTEE  
EXECUTIVE COMMITTEE  
EXECUTIVE COMMITTEE

**Rahul S**  
President

**A.P Prasanthi**  
Vice President

**Mohammed Shan**  
Execom Member

**Ardra V M**  
Recording Secretary

**Safa Zohra S**  
Corresponding Secretary

**Lijumon**  
Treasurer

**Savinaj V Santhosh**  
Execom Member



**Aiswarya Sivan**  
Execom Member

# MEDIA COMMITTEE

Govinda Suraj  
Volunteer

Alan A Vincent  
Head

Jobin P N  
Volunteer

Swetha S  
Volunteer

Ahammed Sahil N S  
Volunteer

# SOCIAL COMMITTEE

Meghana Sunil Saritha  
Volunteer

Gowtham Krishna H  
Head

Ameen Shajahan  
Volunteer

Abdullah Ansy  
Volunteer

Gathri R Rajeev  
Volunteer

# ACTIVITY COMMITTEE

Rahul Rajan  
Head

Adheene MR  
Volunteer

Akshaya  
Volunteer

Nandana JS  
Volunteer

Savya Nair  
Volunteer

Irene Mariam  
Volunteer

# FUND RAISING COMMITTEE

Kiran Sara Abey  
Head

Krishna R  
Volunteer

Gayathri Nach S K  
Volunteer

G Abhiram  
Volunteer

Malavika A S  
Volunteer

# MEETING ROOM COMMITTEE

Aihena S  
Head

Diya S  
Volunteer

Fayaz N  
Volunteer

Arjun U  
Volunteer

# MEMBERSHIP COMMITTEE

Adithya Devan A  
Head

A Gautham Krishna  
Volunteer

Gopika RG  
Volunteer

Vaidehi Shajil  
Volunteer

Gouri R  
Volunteer



# **OUR MISSION**

- **Mission of the MBCET Student Chapter of ASCE is to enhance the professional and personal development of Civil Engineering students of MBCET, to enable them grow as ethically strong engineers, who will serve the industry and the society**
- **Mission of the chapter is in tune with the mission of the Department of Civil Engineering, MBCET which is "to provide engineering education which can create exemplary professional Civil Engineers of high ethics with strong conceptual foundation coupled with practical insight, to serve the industry and community"**

# GOALS & OBJECTIVES



- Increase ASCE Student membership
- Self development of the ASCE members in technical and non technical aspects
- Commitment towards society Interaction with society other than ASCE members
- Motivation for future generation of Civil Engineers

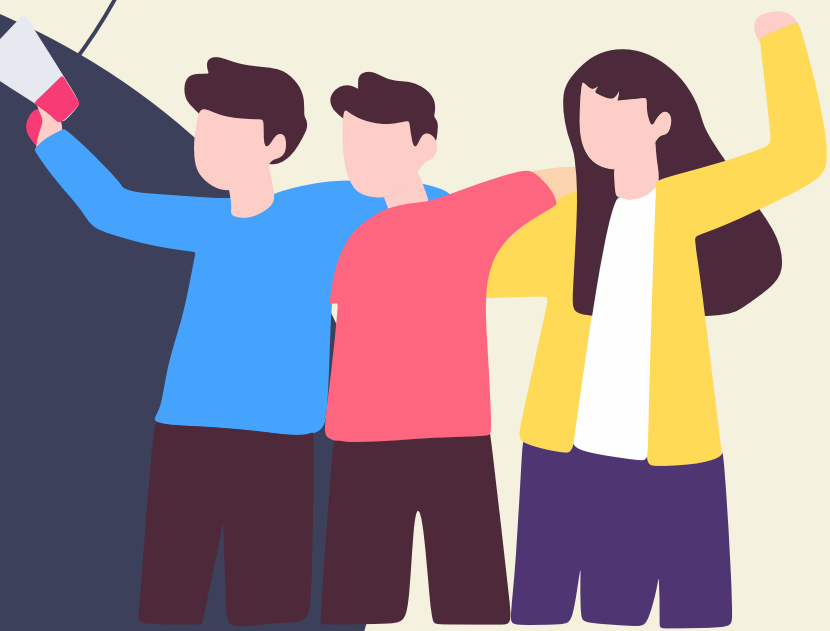


<b>GOALS</b>	<b>ACTION PLAN</b>	<b>EVENTS ORGANISED</b>
<p><b>To increase the overall ASCE student registration</b></p>	<p>Initiatives in bringing awareness about ASCE among the newly joined students and encouraging them to be part of ASCE to make them ethically strong engineers</p>	<ul style="list-style-type: none"> <li>• Induction program for freshers</li> <li>• Discussions</li> <li>• Offline meet-ups</li> </ul>
<p><b>To widen the knowledge of the latest Civil Engineering Developments</b></p>	<p>Conduct technical talks and other events which will give students insights on the latest advancements in the Civil Engineering Sector. They will be able to interact with professionals from different fields</p>	<ul style="list-style-type: none"> <li>• Technical Talks</li> <li>• Alumni Talks</li> </ul>

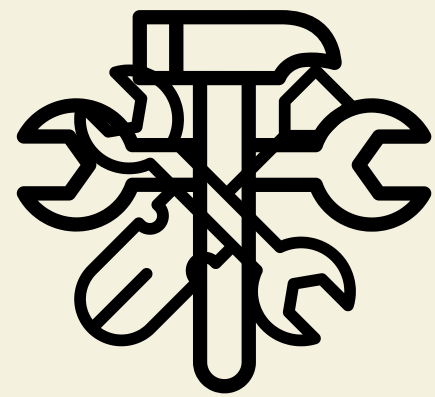
<b>GOALS</b>	<b>ACTION PLAN</b>	<b>EVENTS ORGANISED</b>
<p><b>To increase the practical knowledge and on-site experience of students</b></p>	<p>Making learning more fun and deep by increasing the practical knowledge of students by conducting field trips and hands-on work events to gain more experience</p>	<ul style="list-style-type: none"> <li>• <b>Field Trips</b></li> <li>• <b>Canoe Discussion</b></li> <li>• <b>Contests</b></li> </ul>
<p><b>To make socially relevant beings by indulging in Social Events</b></p>	<p>Social service can promote values such as compassionate service to others, fostering dignity for all individuals, social justice, and promoting stronger human relationships</p>	<ul style="list-style-type: none"> <li>• <b>Cloth Donation Campaign</b></li> <li>• <b>K-Fiesta Stall</b></li> <li>• <b>Visit to Orphanages</b></li> </ul>



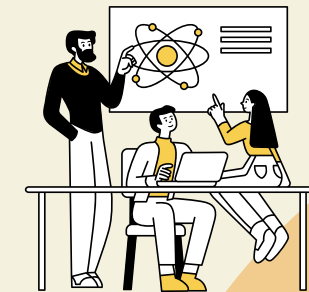
# EVENTS & ACTIVITIES



# 1. Technical Events



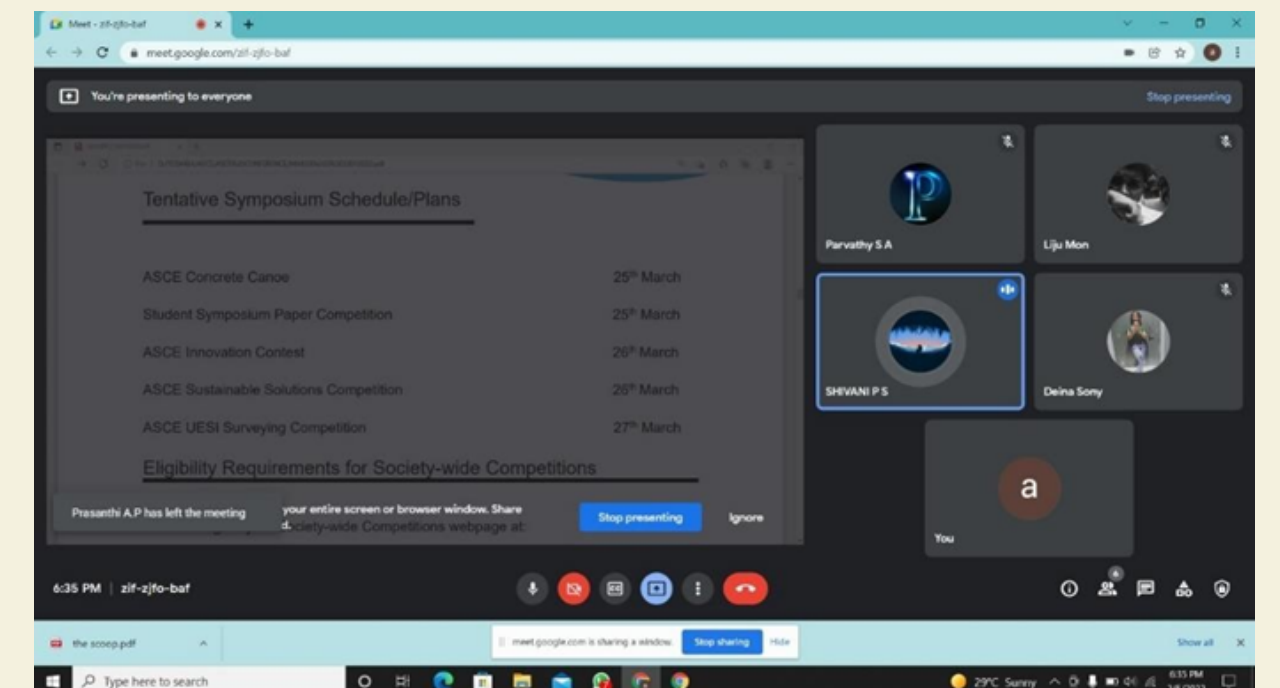
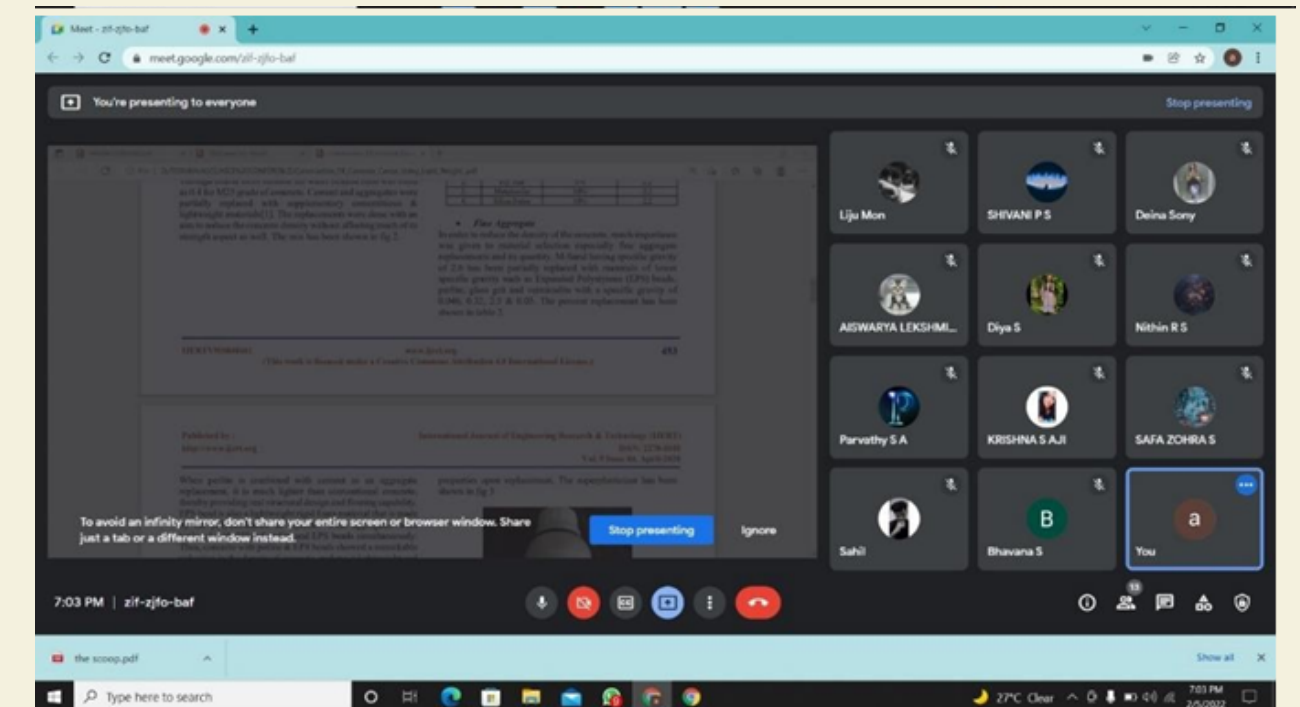
- **Field Trips**
- **National conferences**
- **Discussions**



# Canoe Discussion

As part of participating in the canoe competition, the MBCET Student Chapter of ASCE and other students in the Department of Civil Engineering took the initiative to make a miniature model of a 2m canoe. We discussed among ourselves with our team and our faculties about the canoes done by different colleges and seek help from faculty provisions. For ease of handling the making of the Canoe, formed different sub-teams

1. Analysis Team
2. Documentation Team
3. Finance & Expenditure Team
4. Material Availability & Selection Team
5. Mix Design & Material Management Team
6. Structural Design Team
7. Observations & Calculations Team



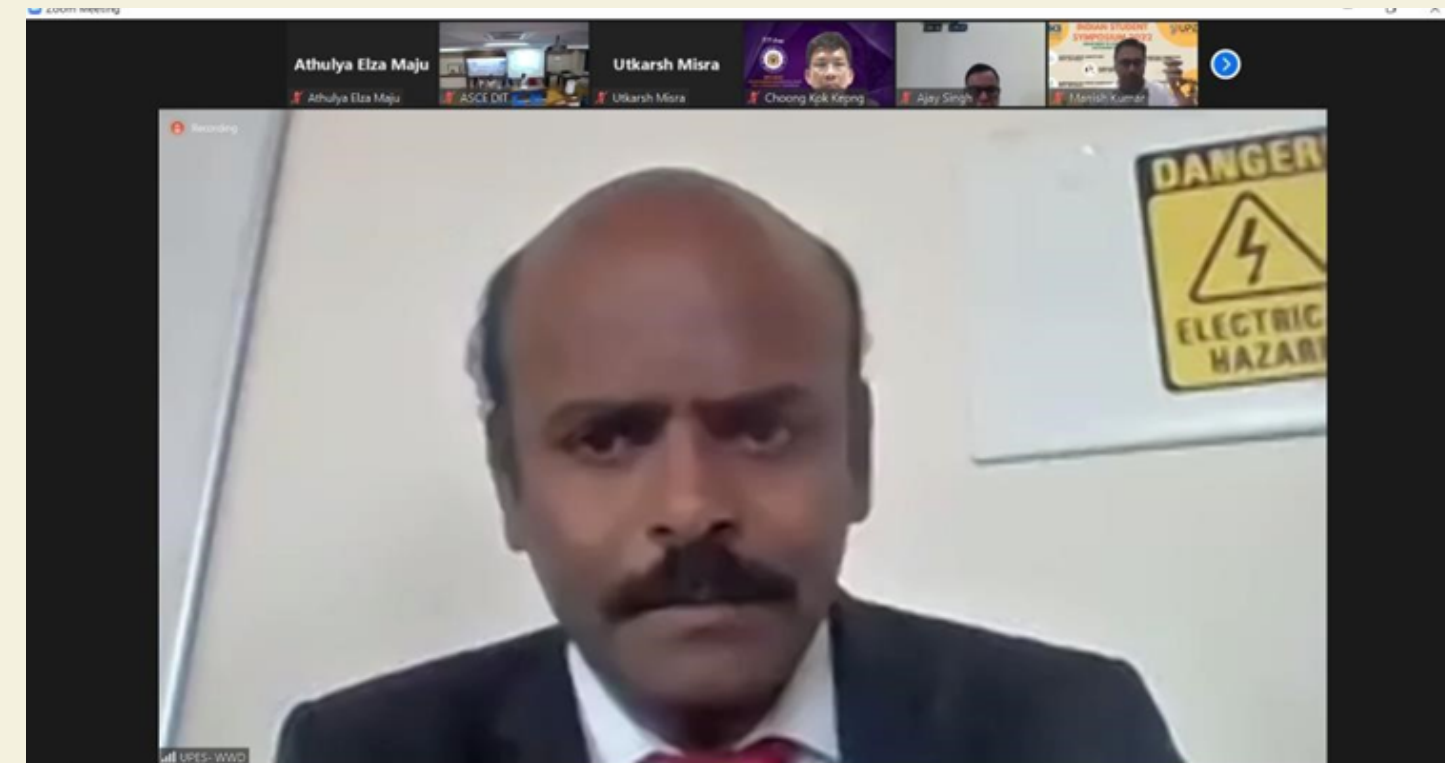
# Field Visit to Aruvikkara Water Treatment Plant

The visit to Aruvikkara was aimed to study the working of all the four-treatment plant currently in use out of which we were able to attend 75MLD, 74MLD, and 86MLD for year students on 19th March, 2022. The field visit was accompanied by 2 faculty-in-charge Dr. Jaya S. Pillai and Ms. Nimisha Anna Jacob along with staff-in-charge Mr. Anand M.C.



# ASCE National Conference 2022

The Annual National Conference 2022 was organized by three ASCE student bodies jointly: DR. D.Y. PATIL INSTITUTE OF TECHNOLOGY, PIMPRI, PUNE., PUNJAB ENGINEERING COLLEGE, CHANDIGARH, UNIVERSITY OF PETROLEUM AND ENERGY STUDIES, DEHRADUN on 25th to 27th March 2022. The competitions included Concrete Canoe Making Competition, Survey Competition etc. ASCE MBCET was able to participate in 3 of the competitions.



# Prize distribution ceremony ASCE IS SR theses competition 2022

The Prize Distribution Ceremony for ASCE India Section Southern Region - Theses Competition 2022 was held on December 22nd, 2022 at MBCET Senatus Hall. The program was hosted by MBCET student chapter of ASCE at 11:00 a.m to 12.30 p.m. Mr. Rahul S, president of the MBCET ASCE , welcomed everyone. Mr. Narsimha Chary Poloju, president of the ASCE India southern region (Chartered-Professional Licensed Structural Engineer), and Dr. K Vidhya, treasurer of ASCE IS SR (Professor, Department of Civil Engineering, Mahendra engineering college), were the event's main guests along with Mr. Pradeep S, Treasurer of the ASCE India Section (Assistant Professor Department of civil engineering of SRM Institute of Science and Technology) and Dr. Abraham T Mathew, principal, MBCET. All of the aspiring engineers in attendance cheered on the winners as they accepted their awards from the chief guests. Lastly Dr. Neethu Roy, faculty advisor of MBCET ASCE, expressed her appreciation to everyone who participated in the event. The entire ceremony radiated pride in being a civil engineer.





# Field Visit to Aruvikkara Water Treatment Plant

MBCET student chapter of ASCE organised an industrial visit for third-year civil engineering students on 22nd January, 2023. The purpose of the trip to Aruvikkara was to observe the live operation of water treatment plants, which 75 MLD, 85 MLD, and 74 MLD were able to do. The programme was attended by 45 students. Two faculty in charge, Dr. Anupama Krishna D and Mr. Nitin S, accompanied the visit.



## 2. Talk Sessions



- **Technical Talks**



- **Know your Alumni**



# Design of Cold-Formed Steel Structures

MBCET Student Chapter of the American Society of Civil Engineers (ASCE) organized a technical talk on 'Design of cold-formed steel structures' on 8th April 2022 at the Senatus Hall, MBCET, at 9.30 am. The speaker for the session was Dr Narayanan S, Prof. and Head, Dept. of Civil Engineering, Marian Engineering College, Kazhakuttam. The beneficiaries of the talk were final-year civil engineering students.



# Talk Series by Mr Hari Krishnan (MBCET Alumnus 2007-2010) on 'Opportunities in Metro Sector'

As part of the KYA series, the MBCET Student Chapter of ASCE invited Mr Hari Krishnan, ASE, Delhi Metro Rail Corporation Ltd., an alumnus from the 2007-2010 Civil Engineering batch of MBCET. He joined Ray Engineering Pvt. Ltd., DMRC-JE, and was promoted to the ASE post. The talk was conducted through Google Meet on April 10th, 2022, from 6.30 pm to 7.30 pm. The session was about the metro and its types, piles, activities in piling, and construction involved in the metro. He also talked about the various projects handled by him. It was a very interactive session and the participants had a great time listening to her experiences from college and work life.



**SPEAKER:**  
**Mr. Hari Krishnan**  
MBCET Alumnus  
(2011-2015)

**KNOW YOUR ALUMNI**  
Talk series by alumni members sharing their stories and journey.

**Working as:**  
ASE,  
Delhi Metro Rail Corporation Ltd.

**Date:** 10 April 2022  
**Time:** 6:30-7:30 PM

**Meeting link:**  
<https://meet.google.com/uns-sqkz-azt>

**ASCE**  
STUDENT CHAPTER  
Mar Baselios College of  
Engineering & Technology

**MAR BASELIOS**  
COLLEGE OF ENGINEERING AND TECHNOLOGY  
AUTONOMOUS

# ASCE Talk Show on 'Trends in Civil Engineering & The Advancement of Technologies in Civil Engineering'

MBCET Student Chapter of ASCE, in association with ASCE FISAT, ASCE TCET, and ASCE DY PATIL, conducted an "ASCE TALK SHOW" about Trends in Civil Engineering & The advancement of technologies in Civil Engineering on April 30th, 2022. The talk was by Sandeep Shiyekar on Trends in Civil Engineering and Rohit Arote on The Advancement of Technology in Civil Engineering.



The poster features a central illustration of a microphone with a starburst effect, surrounded by various icons including a play button, a speech bubble, and a calendar icon. The date '30 APR' is prominently displayed. The ASCE logo is repeated in a row on the right side. The text 'ASCE TALK SHOW' is written in large, bold letters, followed by the hosts' names. At the bottom, the topics are listed.

30  
APR

ASCE  
ASCE ASCE ASCE

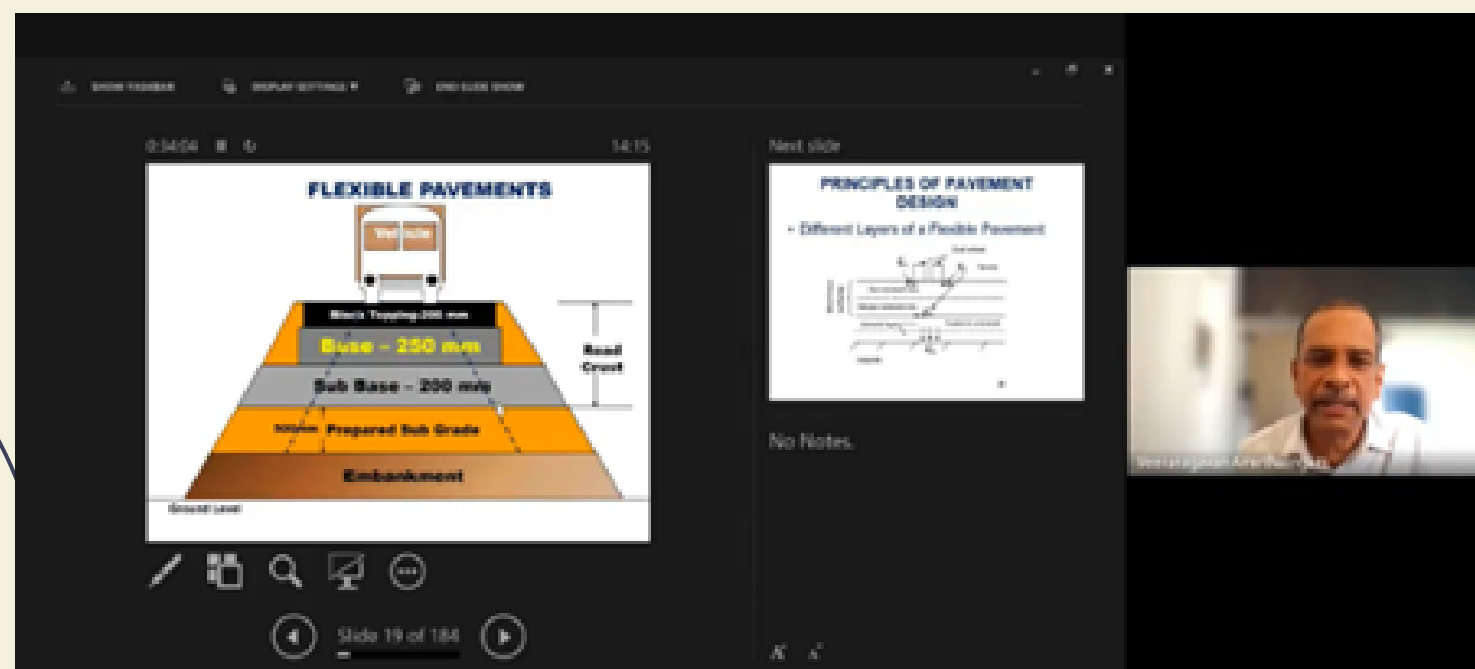
ASCE TALK SHOW

Hosted by :  
Dr. SANDEEP SHIYEKAR & Mr. ROHIT AROTE

Topics:-  
Trends in Civil Engineering & The advancement of technologies in Civil Engineering

# Talk Session by Dr A. Veeraragavan on 'Bituminous Pavement Construction'

MBCET ASCE organized an expert lecture on Bituminous Pavement Construction by Prof. (Dr.) A Veeraragavan, Professor (Retd.), IIT Madras on 11th August 2022. The session was live-streamed for the fourth-semester Civil Engineering students and faculty of MBCET and also many joined online on the G-meet platform. Nearly 45 participants from industry and academia joined the meeting online and 100 students participated through live streaming. The session covered various aspects and issues associated with Bituminous Pavement Construction. Also, Professor highlighted the potential areas for project and research work.



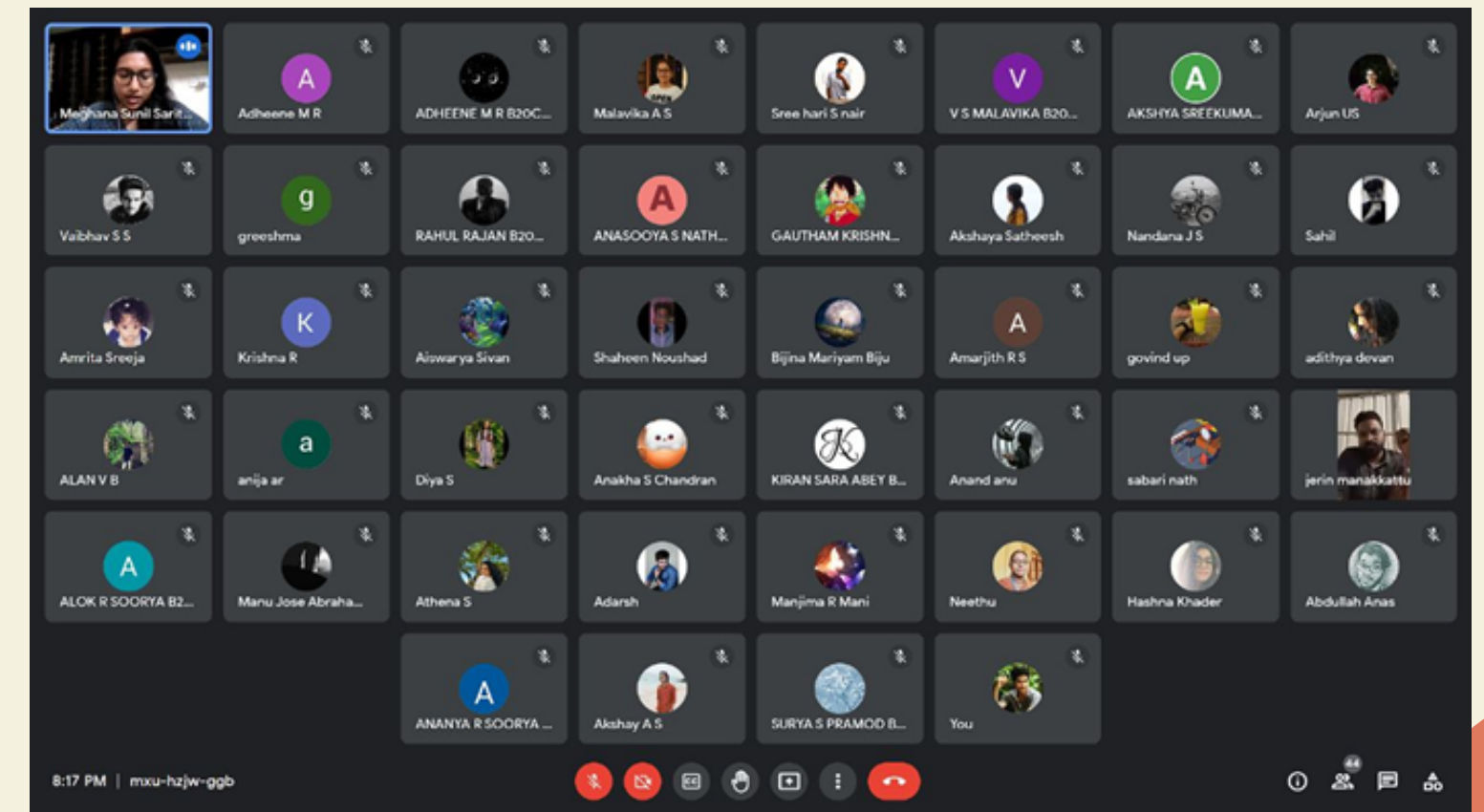
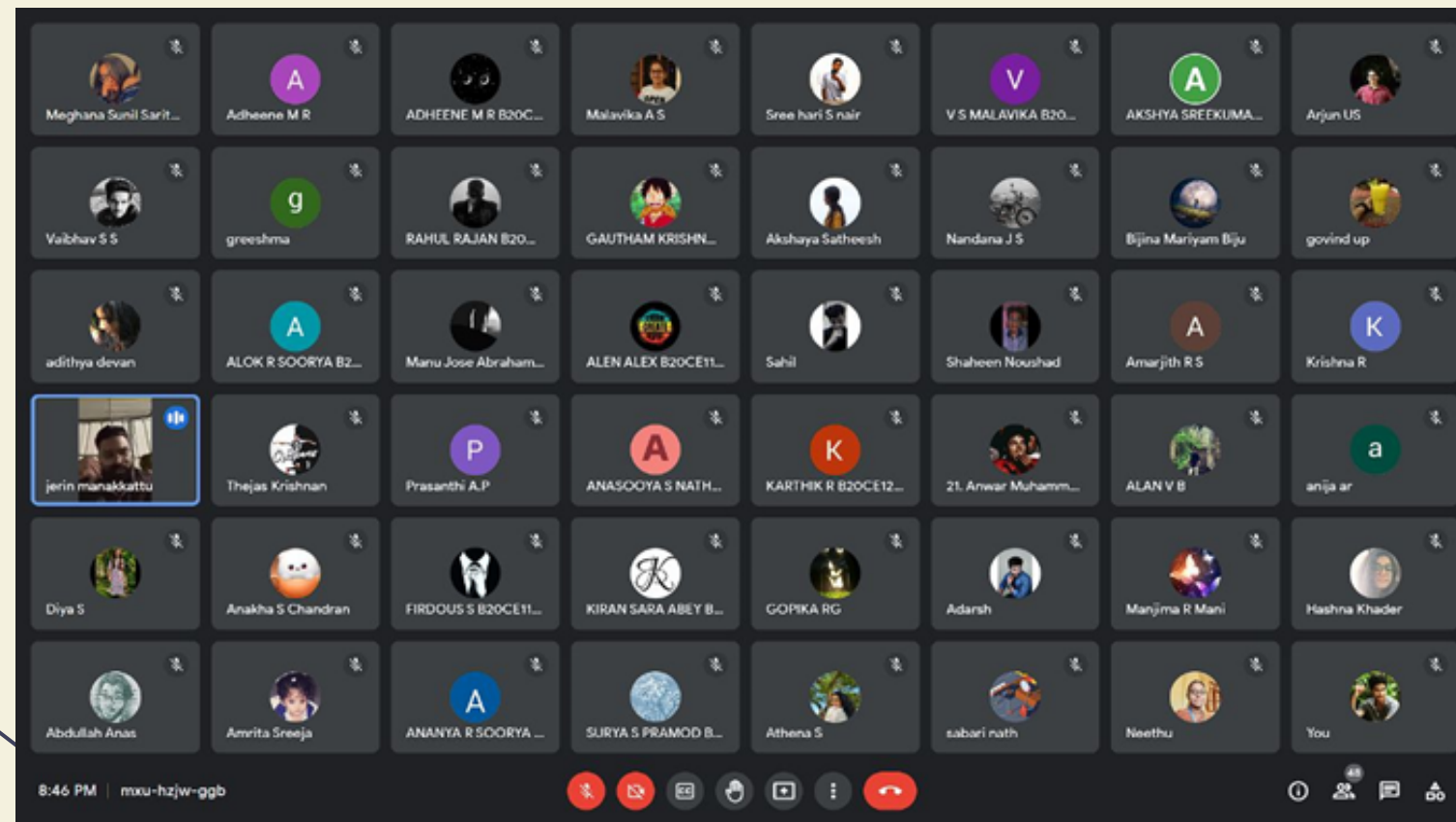
# Energy Conservation Building Code (ECBC) & Eco Niwas Samhita (ENS) Awareness Program

The event was held on 16th December 2022 at Visvesvaraya Hall, MBCET. The program was hosted by ASCE MBCET and IEEE PES SB MBCET. The main purpose of ECBC is to minimize energy requirements and create energy-efficient designs for the construction of buildings. The class was very informative and interactive.



# Alumni Talk

MBCET's student chapter of ASCE held alumni talk on December 22nd, 2022 at 8:00 p.m. via Gmeet. The meeting was attended by 44 people. Mr Jerin Manakkattu spoke to the audience. The speaker mentioned the challenges that a civil engineer will face in the industry. The meeting was informative, which encouraged more people to investigate the civil field.





# Rain Water Harvesting Talk Session

On January 20, 2023, the MBCET student chapter of ASCE held a talk session on the topic of Rain Water Harvesting. The event began at 3:20 p.m. in MBCET's Visveraya hall. Mr. Sajan P.B. was the session's main speaker (Joint Director of COSRFORD, TVM). He described historical drought tragedies that had occurred throughout India. He also discussed the new technologies that have been implemented in Kerala. The session emphasised the importance of underground water conservation. The session was extremely informative and interesting.



# 3. Competitions



- **Creative contests**
- **Technical Competitions**



# Handmade-Craft Making Competition

MBCET Student Chapter of ASCE conducted a "Handmade" craft-making competition on behalf of Republic Day to showcase the talent of the students on 28th January 2022. The students were said to make a craft item with tri-colour papers and attach a photo of their craftwork to the link. The best idea will be to give a certificate. Aleena Fathima of S6CE2 won the prize for making the craft.



# KRAIL – DRISHTI 2K22 Tech Conclave

As part of the Drishti 2K22 Tech Conclave at CET, a competition was conducted on Transportation and Development with Krail on June 25, 2022. There were two rounds, one in which the abstract was to be submitted. From 30 entries, only seven were shortlisted for the idea pitching/presentation round. Students of the MBCET Student Chapter of ASCE, Bharath. B.L, Rahul S, Roshni.S.Nair, and A.P.Prasanthi of S6 CE2 secured the first prize. They acknowledged the support of the department, especially Dr M.Satyakumar sir, Mr Sijo.M.Saji, and Dr Praveen. P.S.



# 4. Social Events



- **Charity Works**
- **Fund Raising**
- **Get-togethers**



# Cloth Donation Campaign for Cancer Patients

The MBCET Student chapter of ASCE, in association with the MBCET NSS Unit, organized a cloth donation campaign from 16th – 18th February 2022 for the needful people. Many students contributed clothes, including bedsheets, towels, shirts, pants, nighties, and dhoti.



Give extra love this Valentine's Week!

## CLOTH DONATION CAMPAIGN



Bedsheet



Towel



Shirt



Pants(Not Jeans)



Dhoti



Nighty

- Clothes should be washed and ironed properly.
- Clothes should not have stains, holes or tears.
- Kindly avoid clothes unfit for donation.

🕒 16,17,18 February  
📍 Visvesvaraya Hall (G-block)  
NSS Notice Board (B-block)

“Happiness doesn't result from what we get, but from what we give.”

# ASCE Collab with Sparsham

MBCET Student Chapter of ASCE, in collaboration with Sparsham (Outreach Unit, CSED) visited Navajyothi Buds and Rehabilitation Center on the 22nd of July 2022. A total of 8 students and 3 faculty (Ms Prathibha S, Ms Anjali S, and Ms Nimisha Anna Jacob), visited the inmates and handed them sweets, electrical appliances, and stationery items. It was pretty heartwarming to see their smiles and spend time with them. They showcased their talents in acting, singing, dancing, drawing, stitching, and crafts and we cheered them with all our hearts.



# K-Fiesta Stall

MBCET Student Chapter of ASCE opened a K-pop stall, as fundraising, during Cross Roads on the 26, 27, and 28th of July 2022. It was coordinated successfully by Safa Zohra S, Lijumon, Shivani P.S, and Abhijith R Chandran (ASCE committee members) with the help of students of S6, CE2. We collected around 12k and still counting by selling photo cards, stickers, keychains, printed mugs, and posters based on K-pop and Anime. Teachers and students (also from other colleges) showed interest in our stall and made it to a great event.





# A Day at Balika Bhavan, Kattela

**“Sometimes you will never know the value of a moment until it becomes a memory.” ASCE members as well as some alumni attended the event on 23rd October, 2022. This program was organized in remembrance of our dearest friend Anu (2005-2009 MBCET civil batch). We organized different activities to engage the children’s and to showcase their talents. The day was well spent, and we departed after lunch.**



# CIVILIZE 2022-23

MBCET student chapter of ASCE committee recruitment for the academic year 2022-'23 was done by the final year students. The interview phase took place on October 25, 2022, at 1:00 p.m. in the Tutorial Hall (G307). 58 students attended for the recruitment. The new committee was formed under the supervision of Dr. Neethu Roy, faculty advisor of MBCET ASCE.

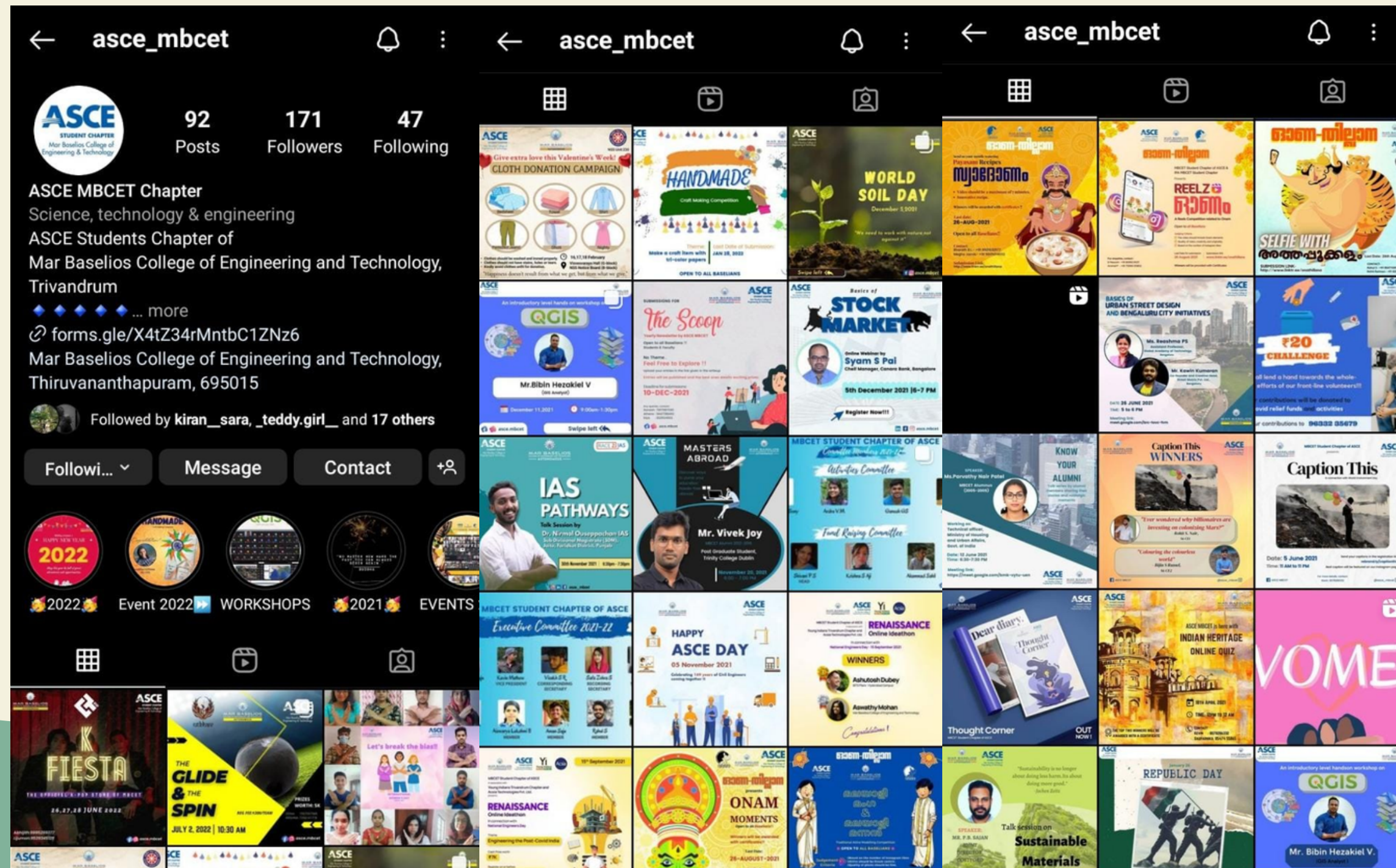


# Student Induction Programme

**MBCET Student Chapter of ASCE conducted an insightful Student Induction Program for our new MBCET family members on November 10, 2022. The duration of the induction program was 1 hour each for two civil classes held at the Laurie Baker Hall at Civil Engineering Block. The session gave the students an overall idea about ASCE & its relevance, the working of a Student Chapter & its significance in shaping the academic & professional profile of Civil Engineering Students, the various committees under the MBCET Student Chapter of ASCE & the recruitment process. The event also had some fun and entertaining activities**



# INSTAGRAM



# WISHES POSTERS

ASCE MBCET Presents

**TALK SESSION ON RAIN WATER HARVESTING**

Date: 20-01-2023  
Time: 2:30 - 4:30  
Venue: Visvesvaraya Hall

Resource Person

Shri. P B Sajan  
Joint Director,  
COSTFORD,  
Trivandrum.

*Feliz Navidad*

MBCET ASCE wishes everyone a

**MERRY CHRISTMAS**

**KNOW YOUR ALUMNI**

Mr. Hari Krishnan  
MBCET Alumnus (2011-2019)

Working as:  
ASE,  
Delhi Metro Rail Corporation Ltd.

Date: 10 April 2022  
Time: 6:30-7:30 PM

Meeting link:  
<https://meet.google.com/uns-sqkt-ast>

January 12

**NATIONAL YOUTH DAY**

"Arise, awake and stop not until the goal is reached."

-SWAMI VIVEKANANDA

March 22

**World Water Day**

"Water is the driving force of all nature."

- Leonardo da Vinci

*Happy Vishu*

ASCE

**HANDMADE**

Craft Making Competition

Theme: Last Date of Submission: JAN 28, 2022

Make a craft item with tri-color papers

OPEN TO ALL BASELIANS

**CIVILIZE 2022**

**COME, GROW WITH US!**

Inviting aspiring candidates to join our ASCE MBCET team!

Let us all set out on a mission to discover the unknown!

[asce.mbcet](https://www.facebook.com/asce.mbcet)

**Energy Conservation Building Code (ECBC) & Eco Niwas Samhita (ENS) Awareness Program**

by Energy Management Centre - Kerala

In association with Mar Baselios College of Engineering and Technology (Autonomous)

Honourable Speaker  
Mr V. Jayaprakash  
Architectural Engineer  
Konark Engineering Consultants  
Bureau of Energy Efficiency Expert

Venue: Visvesvaraya Hall  
Date: December 16, 2022  
Time: 9:30 AM - 11:30 AM

**K FIESTA**

26, 27, 28 JUNE 2022

ELEVATE YOUR LIFE, TODAY!

K-Pop Stall  
Game Arcade

Abh: 9995299377  
Ajumon: 9539345128

**Design of Cold formed Steel structures**

Resource Person:  
Dr. Narayanan S.  
Professor and Head,  
Department of Civil Engineering,  
Marian Engineering College Kattukuram.

Exclusively for SB students !!

Venue: Senatus Hall, MBCET

Date: 8th April 2022  
Time: 9:30am to 10:30 am

MBCET Student Chapter of ASCE presents

**SEQUOIA**

Yearly Newsletter of ASCE MBCET

Let's break the bias!!

INTERNATIONAL WOMEN'S DAY

ASCE MBCET wishes

**Eid Mubarak**

May this Eid bring lovely and endless moments of joy and happiness

STARTING NOW. JOIN US IN SAYING NO TO TOBACCO.

MAY 31

**WORLD NO TOBACCO DAY**

AND EVERY DAY AFTER. LET'S STAND TOGETHER TO BRING THIS CAUSE EVEN FURTHER.

5 years of

**ASCE**

STUDENT CHAPTER

Mar Baselios College of Engineering & Technology

8 MARCH, 2022

**International Women's Day**

Gender Equality today for a Sustainable tomorrow

Let's break the bias!!

30 APR

**ASCE TALK SHOW**

Hosted by:  
Dr. SANDEEP SHYEKAR & Mr. ROHIT AROTE

**EXPERT LECTURE ON BITUMINOUS PAVEMENT CONSTRUCTION**

By:  
DR. A. VEERARAGAVAN  
Professor (Retd.), IIT Madras

Date: AUGUST 11, 2022  
Time: 1:45 TO 3:45 PM

Join via Google Meet  
[meet.google.com/waa-dfnz-mvk](https://meet.google.com/waa-dfnz-mvk)

**Congratulations**

Dr. Anupama Krishna D  
Assistant Professor, Department of Civil Engineering

**Awarded Ph.D Degree on August 22, 2022.**

Ph.D Topic: Behaviour of Reinforced Concrete under Elevated Temperature

Guided by: Dr. Narayanan S & Dr. Priyadarisini R S

**PRIZE DISTRIBUTION CEREMONY**

ASCE IS SR THESES COMPETITIONS 2022

Date: December 22, 2022  
Venue: Senatus Hall, MBCET

ASCE MBCET wishes you a

**Happy Republic Day**

26TH JANUARY

Give extra love this Valentine's Week!

**CLOTH DONATION CAMPAIGN**

16, 17, 18 February

Wishes

**Hearty Congratulations!!**

to

**Vishnupriya Nair**  
2018-2022 Alumnus  
B.Tech Civil Engineering

For getting selected for Short Service Commission Women Technical Entry (Civil Engineering) in Indian Army

24 JAN 2022

**National Girl Child Day**

Empower the girl child.  
Empower the nation.

Dipped in hues of love and trust has come the festival of Holi.

**Happy Holi**

26 JANUARY

**INDIA**

HAPPY REPUBLIC DAY

Big salute to all the nurses out there!!

**INTERNATIONAL NURSES DAY**

May 12

Big salute to all the nurses out there!!

**INDUSTRIAL VISIT**

Destination: Water Treatment Plant Aruvikkara Kerala Water Authority

Date: 21-01-2023  
Time: 9:00am - 4:30pm

For any queries contact:  
Acheena M R : 999515361  
Rahul Rajan: 989589230

"THE ONLY SOURCE OF KNOWLEDGE IS EXPERIENCE"



THANK  
YOU!