

# ASCE



INDIA SECTION SOUTHERN REGION  
MBCET STUDENT CHAPTER



# MAR BASELIOS

COLLEGE OF ENGINEERING AND TECHNOLOGY

Affiliated to

A P J ABDUL KALAM TECHNOLOGICAL UNIVERSITY

## Annual Report

Feb 2018 - Jan 2019





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# ASCE Executive Committee 2018 - 2019



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# Advisors



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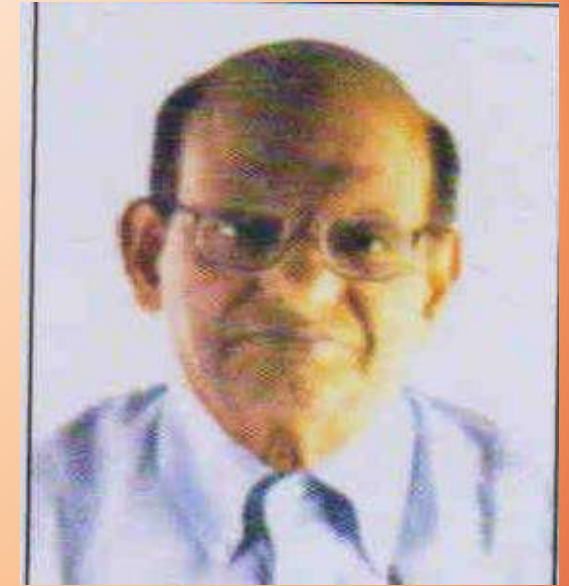
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# Financial Summary

## Dues structure (*\$/year, semester*)

- As of December 31, 2018
  - Total income : \$ 1306.98
  - Total expenditures : \$ 845.89
  - Cash balance : \$ 461.09
  - Accounts receivable : NIL
  - Accounts payable : NIL

# MISSION OF THE MBCET STUDENT CHAPTER OF ASCE

Mission of the ASCE Student Chapter of MBCET 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 and Objectives



**Goal 1:**  
**Increase membership  
by 25 %**



**Goal 2:**  
**Self development of the  
ASCE members in technical  
and non technical aspects**



**Goal 3:**  
**Commitment towards  
society/interaction with  
society other than ASCE  
members**



**Goal 4:**  
**Motivation for future  
generation of Civil  
Engineers**

## Goal 1: Increase ASCE student membership by 25 %

At present the students of second, third and final year of Bachelors Programme are active members of the Student chapter.

To improve a sense of responsibility among the members, the executive committee has decided to collect a nominal amount of Rs. 50 (INR) from the members as membership fee. This will also contribute towards the establishment charges.

**Action Plan:** Events are planned to spread the word about the activities of the chapter and to encourage the first year students to join the chapter.

- A presentation on “What is ASCE ?” was presented in classes of students of 2<sup>nd</sup> year by the Executive committee members
- A one day event was conducted for the 1<sup>st</sup> year students, during which an orientation class on ASCE Student chapter was given and a treasure hunt was conducted after this at the college premises on July 27, 2018
- At the end of the 1<sup>st</sup> semester an exhibition on sustainable house model was conducted by the students at the civil engineering block, evaluated and prizes were awarded.



## Goal 2: Self development of the ASCE members in technical and non technical aspects

**Action Plan:** The members are encouraged to participate in the technical events being conducted by other professional society bodies of the institution and other institutions. In addition, they have planned many activities for the upcoming academic year.

The theme for the activities for this academic year was chosen as “Smart Thiruvananthapuram (City)”

The student chapter was associated with the International Conference being organized by the Dept. of Civil Engineering, MBCET which was held on June 21-23, 2018. “International Conference on Infrastructure Development – Issues, Innovations and the Way Forward (ICID 2018)

### Workshops, Technical Talks etc.

- Workshop on STAAD pro V8i for the students of 3<sup>rd</sup> and 4<sup>th</sup> year.
- Workshop on Primavera software was organized for final year students.
- Workshop on Adobe Photoshop for students and faculty of the college.
- Student Chapter of ASCE in association with Catalyst Innovation and Entrepreneurship Development Center of MBCET organized talk on 'Virtual Reality- Applications and Innovations by Mr. Gopikrishnan V , founder of BuildNext.

## Field trips

- Site visit to the National Highway Widening project by National Highway Authority of India was arranged by the student chapter for the members.
- A one day site visit was arranged on January 18<sup>th</sup>, 2019 to the KSEB (Kerala State Electricity Board) Prestressing Yard at Kollankode, Thiruvananthapuram. This was a good learning experience regarding the mix, prestressing, casting and curing of electric posts.
- Visit to the approach road construction site of MBCET is arranged on a regular basis.

## Glimpse

A video show of various advances and fascinating developments in the construction industry being arranged every week Friday during the lunch break. Any interested students can come and watch.

## Know your Alumni (KYA)

A “Know your Alumni’ series was started. Mr. Abhay Sankar, alumni of first CE batch of MBCET (2005-2009) interacted with the final year students. Abhay is now working with Larsen & Toubro in the business development Department.



### **Goal 3: Commitment towards society/interaction with society other than ASCE members**

**Action Plan:** Improve the interactions of the members with other Professional Society bodies and also increase their societal activities

Many members of the team are already associated with many societal activities being organized by the Department and the National Service Society of the College.

Many more students have volunteered to be part of the Societal wing of the student chapter and have started planning the activities for the next academic year.

One such programme was in association with “World Vision”, a NGO working towards the upliftment of people in slum areas. It is decided to plan activities at Poonthura, a coastal region which was affected badly by the cyclone, Okhi.

Continued...

Members of the MBCET Student Chapter of ASCE helped spread smiles and happiness by conducting a musical program and providing a Christmas lunch to the inmates at 'Snehasadanam', a care home for the mentally challenged on 29th Dec, 2018.

The ASCE student Chapter of ASCE in collaboration with the Student Chapters of IEEE and at MBCET arranged a book collection drive to help develop a library for a less privileged School at Nemom. The Chapter could collect nearly 500 books (mainly motivational and related to Science and Technology, in addition to story books) and plan to continue the support in expanding the same in future.



## Goal 4: Motivation for future generation of Civil Engineers

**Action Plan:** To bring students from potential schools, both Government and Aided, to the college and do an awareness programme about the Civil Engineering stream.

This includes hands-on training at basic Civil Engineering workshops, motivational talk by Head of the department and so on.



# Membership Statistics

- Total number of Student Group members - 210
- Total number of ASCE National Society-level members - NIL



# Meeting Statistics

- Professional meetings with an invited speaker - 5
- Meetings with student presentations and/or paper(s) presented - 2
- Professional licensure meetings and/or ethics topics presented - 0
- Field trips - 6
- Social functions -10
- Officer or planning meetings - 7
- Number of students that attended Section/Branch meetings - 0
- Number of students that attended Younger Members meetings - 0
- Student presentation about ASCE to another organization - 3
- Collaboration with another student organization - 2

# Meetings

## SIGNING OF MoU WITH BUILDERS ASSOCIATION OF INDIA

- The Memorandum of Understanding was signed between **The Department of Civil Engineering, MBCET** and **Builders Association of India**, Kerala (Trivandrum) centre on **9<sup>th</sup> March, 2018**
- The event was initiated , organized and volunteered by the student chapter
- Presided by various dignitaries from the Builders Association of India
- The ceremony was followed by a technical session on **“Role Of Machinery and Methodology in Road Constructions”** by **Dr. Anilkumar Pandala**, Project Director, TRDCL and **“Use of Glass in Constructions”** by **Mr. Ganesh**, MD, GEFAB
- A site visit was also arranged for students in the afternoon session
- No. of attendees - 70





## TALK BY Mr. GOPIKRISHNAN V, CEO, BUILDNEXT

- Topic : “ **Virtual Reality – Innovations and Applications in Building Construction**”
- Interactive session on the use of VR in designing and modelling buildings, interior designing and cost estimation
- Venue : Visvesaraya Hall, MBCET (5<sup>th</sup> October,2018)
- No. of attendees – 204



## INTERACTIVE SESSION with ABHAY SANKAR



- **Abhay Sankar**, from the 1st civil batch of Mar Baselios College of Engineering and Technology (2005-2009) interact with the final year students.
- Abhay is now working in Larsen & Turbo Ltd. (L&T), India, in the Business Development Dept.
- **KYA series - Know your Alumni**, organized by MBCET student chapter of ASCE
- Free open discussion regarding the job opportunities after graduation, the importance of post graduation and other related queries.
- 26<sup>th</sup> November, 2018; No. of attendees - 60



## MEETING with PRACTITIONER ADVISOR

- Discussions focused on '**Student Summit**'
- Various areas to be considered for the theme of Student Summit were brought forward
  - Smart City
  - Application of IOT in flood warning systems
  - Improvement in flood rescue programs
  - 'Science different from conventional'
  - Change in materials for construction and infrastructure
- A book drive was initiated with the objective of attracting and developing school students towards STEM- science, technology, engineering and mathematics.
- 31<sup>st</sup> August, 2018; No. of attendees - 10



Dr. Kuncheria P Isaac  
(Practitioner Advisor)

# Significant Events..

ASCE student chapter members secure **SECOND** position in **CONCRETE CUBE COMPETITION** conducted by **INDIAN CONCRETE INSTITUTE** in association with Qcrete

Venue: Mohandas College of Engineering and Technology, Thiruvananthapuram





# INTERNSHIP @ PUBLIC WORKS DEPARTMENT, GOVT. of KERALA

- 10 day internship ( 2<sup>nd</sup> – 12<sup>th</sup> July, 2018)
- Students got experience from various departments
  - Building Planning and Design
  - Building Construction
  - Roads
  - Kerala Highway Research Institute (KHRI)
- Students were also given visit to various construction sites undertaken by the Govt. of Kerala
- No. of attendees - 11





# INTERNATIONAL CONFERENCE ON INFRASTRUCTURE DEVELOPMENT (ICID) : Issues, Innovations and the Way Forward

- 21<sup>st</sup> - 23<sup>rd</sup> June, 2018
- Organized by Civil Engineering department, MBCET supported by MBCET student chapter of ASCE
- Keynote Lectures by eminent speakers and Paper Presentations by the participants on emerging trends in the fields of Transportation, Structural, Geotechnical and Environmental Engg.



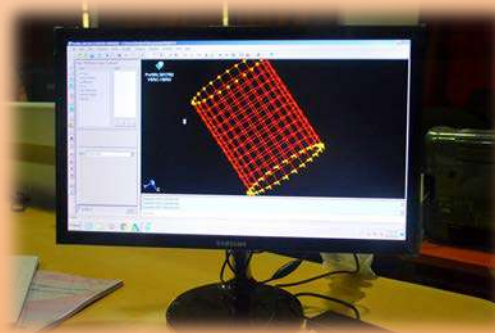
MBCET Student Chapter of ASCE  
MBCET Student Chapter of ASCE





3 parallel sessions were conducted as pre-conference workshops :

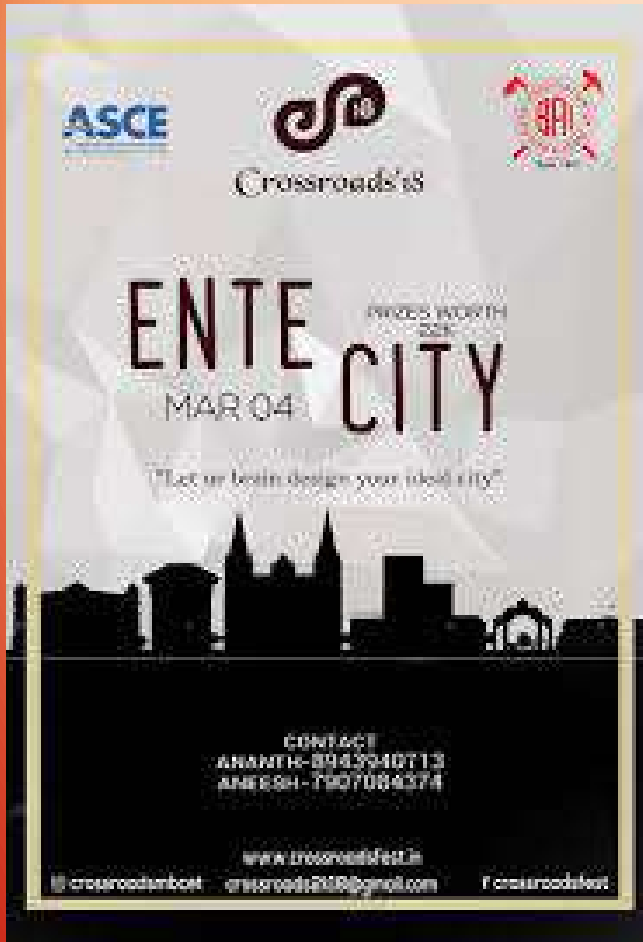
- Sustainable Pavements and Asset Management @ Kanakakunnu Palace, Thiruvananthapuram in association with Kerala Infrastructure Investment Fund Board, Government of Kerala.
- Structural Simulations using FEAST software with Indian Space Research Organization as technical partners.
- A technical tour of Greenfield International Stadium, Kerala, India



# Technical Events..

## 'Ente City' @ Crossroads (National Techno-Cultural Fest) 2018 (4<sup>th</sup> March, 2018 )

- ✓ The event aimed to bring out new ideas relating to the theme of 'SMART CITY'
- ✓ Organised in association with Builders Association of India (BAI)
- ✓ The qualifier round comprised of a questionnaire to prove the knowledge in the field of Civil Engineering
- ✓ The final round was a presentation round to find smart ideas to solve the given scenario related to town planning and traffic issues and present their ideas
- ✓ No. of participants - 30





## 'The Arpenteur' @ Uthbav (Technical Fest of Civil Dept.) 2018 (14<sup>th</sup> March, 2018 )

- ✓ The preliminary round was to solve a crossword puzzle based on civil engineering
- ✓ The final round tests the knowledge and efficiency in surveying, which was a field challenge
- ✓ 14 teams (total of 47 students) participated out of which three teams emerged winners



# Poster Designing Competition

Theme: 'Keralithinoru Kaithang'

("Helping Hand for Kerala post Floods")

Date: 15<sup>th</sup> September, 2018 (Engineer's day)

Venue: Drawing hall in Dept. of Civil Engg.

17 students from various departments participated.



## Photography Contest

Theme: 'Kerala – We build and will definitely rebuild'

No. of participants: 22

MBCET Student Chapter of ASCE





## Two day workshop on STAAD V8i

Intercad Systems pvt. Ltd.

September 8 & 9, 2018

Participants : 40



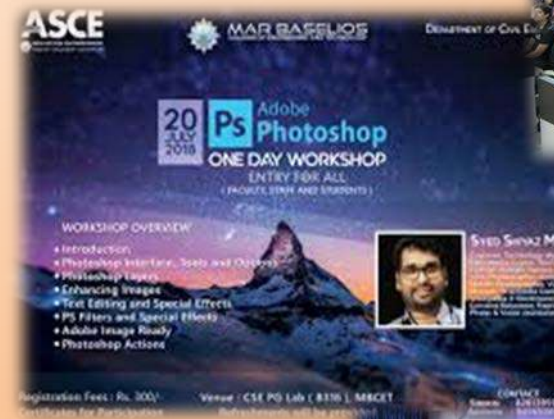
## One day workshop on 'ADOBE PHOTOSHOP'

Mr Syed Shiyaz Mirza

(Engineer, freelance photographer,  
web journalist, technology writer)

July 20, 2018

Participants : 40





# Site Visits..



**National highway Widening project** by National highway Authority of India (NHA) : Thiruvananthapuram – Kazargode (590 kms)

July 14, 2018

No. of attendees : 35 students + 5 teachers

**MANSIONS site** under construction

March 9, 2018

No. of attendees : 28



**MBCET Student Chapter of ASCE**







## Kerala State Electricity Board (KSEB) Prestressing Yard at Kollenkode

January 18, 2019

No. of attendees: 30 students + 5 technical staff



# Farewell to Seniors

We take over the responsibilities of ASCE student chapter as our seniors take leave..

They have been a source of inspiration to carry this legacy forward..

We will greatly miss the time being together with them..

A small but sweet farewell was organized for our elder brothers and sister...





# ASCE Student Chapter Welcomes Juniors

## INDUCTION PROGRAMME

July 27, 2018

Introduction to the ASCE student chapter of MBCET and the familiarization of MBCET campus to the newly joined Civil Engineering aspirants



## EXHIBITION - 'SUSTAINABLE HOME'

November 29, 2018

First year civil and mechanical students make efforts to portray their ideas on the most sustainable home for living



# Ethnic Day Celebrations



November 3, 2018

A day to remember one's culture and traditions.

On this wonderful day, students and teachers came in colorful and traditional attires.

This day marked the event when inspite of westernization and modernization, the young hearts were able to revive some of the customary rituals of Kerala.



# Social Events..

## Book Donation Drive

- ✓ **ASCE student chapter** in association with student chapters of Institute of Electrical and Electronics Engineers (**IEEE**), Computer Society of India (**CSI**) and American Society of Mechanical Engineers (**ASME**)
- ✓ Story books, general knowledge, autobiographies, biographies, activity books
- ✓ Beneficiary: Students at Santhivilla school, Nemom
- ✓ No. of books collected: 500



## Awareness program

A **one-day interactive technical awareness session** for the **school students from the Okhi (Cyclone) affected regions** of Poonthura, Thiruvananthapuram on 28<sup>th</sup> February, 2018

Many fun activities, based on simple concepts of civil engineering were organised and geometry kit was provided to each student after the session.





# ASCE student chapter celebrates Christmas @ home for the mentally challenged

Everyone deserves to celebrate during the holiday season.

Members of the MBCET Student Chapter of ASCE spread smiles and happiness, on this Christmas, by conducting a musical program and providing a Christmas lunch to the inmates at 'Snehasadanam', a care home for the mentally challenged on 29th Dec, 2018.



# August 2018

Severe floods  
drowned the state of  
Kerala

No access to food, clothes,  
water, electricity, medicines,  
transportation services, and  
communication

The entire state put to **'Red Alert'**



“Rescue missions and air lift by  
the Indian Navy, Police, and the  
help offered by the fishermen  
and local people cannot be  
forgotten”

Students rose to the  
occasion and stood strong in  
helping in any way possible.



11  
Days

500  
Lives lost

12,47,496  
Stranded people

3,274  
Relief camps

1,95000  
Million property  
damage



# Kerala Floods

- The sudden floods shook the Keralites. The mental trauma of losing your house, loved ones, and staying at relief camps for days was a nightmare.
- Many of our students and teachers were affected by the floods.
- Hours of volunteering by the Engineering students at relief camps, airports, and the help offered in making portable electricity boards, power banks, LED lamps, and post flood operations including survey of the affected lands are to be appreciated.





Students rose to the circumstance and acted so much more than they were expected to be. The speedy recovery operations were the credit of none other than the students.

Engineering students did their part under the guidance of efficient teachers of Electronics and Communications, Electrical, Computer Science, Mechanical and Civil Department.

Even though many rumours about the spread of deadly diseases, infections, insects and dead wastes did arouse a panic, many of our students and teachers actively participated in the service for rehabilitation.





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# THANK YOU

