# ASCE SREE VIDYANIKETHAN ENGINEERING COLLEGE STUDENT CHAPTER



## **ASCE SVEC NEWS**

ISSUE 03, Jan 2020 - Dec 2020

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#### **ABOUT ASCE**

The American Society of Civil Engineers (ASCE) represents more than 150,000 members of the civil engineering profession in 177 countries, founded in 1852. ASCE is the USA's oldest engineering society. ASCE stands at the forefront of a profession that plans, designs, constructs, and operates the society's economic and social engine – the built environment – while preserving and restoring the environment. Through the expertise and competence of its active membership, ASCE is a leading provider of technical and professional conferences and continuing education, the world's most voluminous publisher of civil engineering content, and an authoritative source for codes and standards that protect the public. The Society advances civil engineering technical specialties through nine dynamic institutes and spearheads with its many profession-oriented and public-focused programs.

#### **REGIONS, SECTIONS & BRANCHES**

ASCE comprises 9 regions in North America and the tenth region that includes all 23,000 members who reside outside the USA, Canada, and Mexico.

Regions 1-9 include:

76 Sections

160 Branches

302 Student Chapters

130 Younger Member groups

Region 10 includes:

19 Sections

16 Groups

74 International Student Chapters

There is a Section or Branch in nearly every corner of the continent, and more beyond!
Region 10 Member Count: 24,740

#### ASCE INDIA-INTERNATIONAL SECTION

Established in 1988, the ASCE India International Section (ASCE-IS) is made up of more than 4500 members. The India Section is divided into four regions (East, West, North, and South). They operate under a central body of ASCE-IS which has representations from all four Regions of the sub-continent.

#### ASCE SVEC STUDENT CHAPTER

The Department of Civil Engineering, Sree Vidyanikethan Engineering College has initiated the process of forming ASCE Student Chapter within the institute on 26<sup>th</sup> July 2017. Formal Inauguration was held on 31<sup>st</sup> July 2019. ASCE Sree Vidyanikethan Engineering College (ASCE SVEC) is a student run organization that is determined to enrich the lives of civil engineering students through various events such as guest lectures, quiz programs, seminars, workshops, conferences, group discussions, debates, industry internships, field/site visits, industrial visits, orientation programs, newsletter preparation, technical report writing, social events, community service/outreach activities, elearning and participation in programs organized by other ASCE Student Chapters, ASCE-IS and ASCE. ASCE SVEC Student Chapter regularly conducts its annual meetings, executive committee meetings and other meetings to review its activities and formulate its future endeavors. By joining ASCE SVEC Student Chapter, the students will have the opportunity to interact with peers, faculty and professionals outside the classroom.

#### **Editor's Voice**

With a great enthusiasm, I welcome you to the pioneer newsletter of ASCE SVEC. Being a Faculty Advisor, it was a proud moment for me to inaugurate ASCE SVEC Student Chapter. When the foundation for the Department of Civil Engineering was laid in SVEC with every stroke of the trowel and each lay of the brick as Head, I envisioned the growth of the department that will reflect the best of its lineage. It is my strong desire to create an inspirational platform for a holistic learning system comprising of the right mix of teaching-learning process, self-work by students, participatory and objective oriented learning. As a stepping-stone towards this goal, ASCE SVEC Student Chapter was Formal inaugurated on 31 July 2019. With the integrity of staff, devotion of faculty members and hard work of dynamic students, we have earned a feather in our cap by the successful completion of two-year period of establishment of ASCE SVEC.

The chapter averaging an event every week held 32 events in the calendar year 2020. It is my aim to make this forum as the Quality Hallmark of the Department of Civil Engineering.

It gives me an immense satisfaction to state that despite all roadblocks ASCE SVEC Student Chapter is forging ahead to reach its academic heights with the great involvement of its members.



FACULTY ADVISOR:

Prof. Dr. O. ESWARA REDDY,

M.Tech. (Geotechnical Eng.), Ph.D.

FIE, FIGS, M.ASCE, MISSMGE, MIRC, MISTE, MISRMTT,

MIGS, MISCA, CEng (India)

Head and Chairman-BOS,

Department of Civil Engineering, Former Vice Principal, 2<sup>nd</sup> Shift Polytechnic.

Sree Vidyanikethan Engineering College (Autonomous),

Tirupati - 517 102.

Chief Editor:

Dr. O. Eswara Reddy,

Professor, HoD and BOS Chairman
Faculty Advisor – ASCE SVEC Student Chapter

Editor: Mr. D. V. Purushotham,

Coordinator – ASCE SVEC Student Chapter

Editorial Team Members:

Mr. B. Manoj Kumar, IV B.Tech, Mr. N. Rajesh, IV B.Tech.

#### **VISION AND MISSION**

#### Vision

To inspire student members to become future leaders in the field of Civil Engineering to serve the society.

#### Mission

- Nurture the student members with fundamental engineering knowledge, a broad set of skills, and an inquisitive attitude for creating innovative civil engineering solutions to serve industry and community through guest lectures, quiz programs, seminars, workshops and conferences.
- Imbibe excellent oral and written communication skills in student members through lectures, group discussions, debates, newsletter preparation and technical report writing.
- Develop leadership skills and interpersonal skills of student members by organizing various events such as social gatherings and outreach activities.
- Expose student members to real time problems by conducting field/industrial visits
- Expose student members to real time problems and work culture by providing industry internships
- Encourage student members to organize/participate in annual programs along with student chapters of other colleges and ASCE India Section/ASCE Southern Section.
- Inspire student members to attend ASCE national and International Competitions.
- Assist interested members to find external guide for their project work among the practitioner ASCE members

#### **GOALS AND OBJECTIVES**

#### Goals

- Majority of students in the Department of Civil Engineering are members of, and engage in, ASCE SVEC Student Chapter.
- Student members develop and apply innovative, state-of-the-art practices and technologies for safe, resilient, and sustainable civil engineering solutions.
- ASCE SVEC Student Chapter advances the educational and professional standards for civil engineers.
- Reach out to the community through service projects/outreach activities.
- The industry and public values the essential role of civil engineers in the society.
- Student members choose their career in Civil Engineering.
- Development of new skill sets in the field of civil engineering

#### **Objectives**

- Cooperating with the India Section of ASCE (hereafter "ASCE-India Section") in the furtherance of ASCE's aim and activities, particularly in reference to students.
- Develop contacts with the local, regional, and national civil engineering community.
- Promoting cooperation among the Practicing Engineers/Academicians and Students for the advancement and dissemination of knowledge in the field of Civil Engineering
- Develop a support network for students within the civil engineering programs
- Creating suitable environment for learning current trends and knowing about exciting professional/teaching/research opportunities in civil engineering
- Expose student members to the real-life challenges of civil engineering
- Enhancing their ideology and ability in solving critical/typical civil engineering problems
- Develop leadership skills and public relationship skills among the students to produce future leaders of civil engineering.
- Imbibe excellent oral and written communication skills in student members
- Exploring the possibilities of industry internships and placements for students
- Inspiring students to pursue higher education in civil engineering
- Creating motivation and passion in engineering professional work
- Use learned civil engineering skills to benefit the local community/society
- Doing all other things incidental or conducive to the attainment of the above named objectives.

#### **COLLABORATION WITH OTHER STUDENT ORGANIZATIONS**

## **ASCE Leadership Training Programme**



Chief Guest, Dignitaries and Participants during the Inaugural Programme

The American Society of Civil Engineers represents more than 150,000 members of the civil engineering profession in 177 countries. ASCE Student Chapters are the organizers of 18 prestigious conferences that are held in different regions every year in USA. It is for the very first time that India has been privileged to be a part of thus extravagant event to hold this "ASCE Leadership Training Programme" at SRM University, Chennai by ASCE-India Section Southern Region.

The Programme was organized for the enrichment of the members of ASCE. The program is highlighted by the presence of the International President, ASCE, USA & other officials of ASCE, USA. Dr. Kancheepuram N. Gunalan, International President – ASCE, USA was the Chief Guest; The key note speakers are Mr. Tom Smith, Executive Director, ASCE, USA; Dr. Elias Boutros Sayah, Society Director, ASCE, USA.

From the Department of Civil Engineering of Sree Vidyanikethan Engineering College, 04 No. of Student Members from III B.Tech. II Semester CE and Faculty Advisor of ASCE SVEC Student Chapter have participated in ASCE Leadership Training Programme on 26-02-2020 in association with American Society of Civil Engineers, Indian Section Southern Region under ASCE SRM Institute of Science & Technology Student Chapter at SRM University, Chennai.



Chief Guest and Other Dignitaries in ASCE Leadership Training Programme



A Group Photo of all Participants with Chief Guest and Other Dignitaries in ASCE Leadership Training Programme



A Group Photo of Office Bearers and Faculty Advisor, ASCE SVEC Student Chapter with Dr. Kancheepuram N. Gunalan, International President – ASCE, USA

#### CEA FEST 2020 – IITM

## **Master Builder Competition**



SI. No.	Name of Students	Programme	Dates and Place	Prize
1	Ms. K. Anusha Mr. B. Yellappa Mr. A. Ghouse	Master Builder CEA Fest 2020 - IITM	07-03-2020 and Civil Engineering Association, Department of Civil Engineering, IIT-Madras, Chennai	II



A Group photo of students in Master Builder CEA Fest 2020 - IITM



Model Testing in Master Builder CEA Fest 2020 - IITM

#### COLLABORATION WITH OTHER STUDENT ORGANIZATIONS

## **ASCE Indian Region Student Conference - 2020**

The American Society of Civil Engineers represents more than 150,000 members of the civil engineering profession in 177 countries. ASCE Student Chapters are the organizers of 18 prestigious conferences that are held in different regions every year in USA. It is for the very third time that India is privileged to be a part of these extravagant events by organizing this student conference at Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu by ASCE-India Section Southern Region.

ASCE BIT Student Chapter is back with its annual civil engineering fest, now as "ASCE Indian Region Student Conference 2020", one of the liveliest events ever in the field of Civil Engineering. ASCE National Student Conference will facilitate the development and integration of technology into civil engineering field that will improve the standard of service for the benefit of the industry and uphold the education, competence and practice.

From the Department of Civil Engineering of Sree Vidyanikethan Engineering College, 08 No. of Student Members of ASCE SVEC Student Chapter from III B.Tech. and II B.Tech. II Semester CE have participated in many events and secured various prizes in the ASCE Indian Region Student Conference 2020 during 03-03-2020 to 06-03-2020 under ASCE BIT Student Chapter at Bannari Amman Institute of Technology, Sathyamangalam, Tamil Nadu.

Dr. M. Mohan Babu, Chairman, SVET; Dr. P.C. Krishnamachary, Principal, SVEC; Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC, and Faculty Advisor-ASCE SVEC Student Chapter; Mr. D. V. Purushotham, Assistant Professor and Coordinator-ASCE SVEC congratulated the Students for their active participation in the ASCE Indian Region Student Conference 2020.



A Group Photo of Prize Winners with Dr. M. Mohan Babu, Chairman, SVET



A Group Photo at ASCE Indian Region Student Conference 2020



A Group Photo at ASCE Indian Region Student Conference 2020 with Er. Rajayogan Palanichamy, President, ASCE India Section – Southern Region



A Group Photo in Surveying Competition with Judges and Organising Faculty at ASCE Indian Region Student Conference 2020



A Group Photo of Surveying Competition – Runners at ASCE Indian Region Student Conference 2020

#### List of Prize Winners in ASCE Indian Region Student Conference 2020

S.No.	Event Name	Roll No.	Name of the Student	Class & Section	Prize
	Surveying Competition (ASCE League Event for ASCE International Competitions)	17121A0110	Mr. B. Manoj Kumar		Second Prize (Runner)
		17121A0164	Mr. N. Rajesh	III B.Tech. A-Section	
4		17121A0137	Mr. K. Jagadeeswar Reddy		
1		16121A0181	Ms. R. Bhagya Lakshmi	IV B.Tech. B-Section	
		18121A0187	Ms. Swetha Priya G	II B.Tech.	
		18121A0188	Ms. T. Manasa	B-Section	
2	<b>Explica</b> (Paper Presentation)	17121A0110	Mr. B. Manoj Kumar	III B.Tech.	First Prize
2		17121A0145	Mr. K. Mohan Krishna	A-Section	
3		16121A0181	Ms. R. Bhagya Lakshmi	IV B.Tech. B-Section	Third Dries
3		17121A0149	Mr. M. Manoj Kumar	III B.Tech. A-Section	Third Prize
4	<b>Quigle</b> (Quiz)	16121A0181	Ms. R. Bhagya Lakshmi	IV B.Tech. B-section	Third Dries
4		18121A0188	Ms. T. Manasa	II B.Tech. B-Section	Third Prize
	Treasure Hunt	17121A0149	Ms. M. Manoj Kumar		
5		17121A0145	Mr. K. Mohan Krishna  III B.Tech. A-Section		First Prize
		17121A0137	Mr. K. Jagadeeswar Reddy		

## Nanotechnology Enabled Water Filters: A Sustainable Way for Point-of-use Water Purification - Dr. Shihabudheen M. Maliyekkal



Dr. O. Eswara Reddy, Faculty Advisor, ASCE SVEC Student Chapter; Professor, HoD and BOS Chairman, Dept. of Civil Engineering, SVEC inviting the Expert



Dr. Shihabudheen M. Maliyekkal, Assistant Professor, Department of Civil and Environmental Engineering, Indian Institute of Technology – Tirupati delivering an Online Expert Lecture



Dr. Shihabudheen M. Maliyekkal interacting with Students and Faculty in Q & A Session

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Expert Lecture on "Nanotechnology Enabled Water Filters: A Sustainable Way for Point-of-use Water Purification" for B.Tech. CE Students under ASCE SVEC Student Chapter on 15<sup>th</sup> October 2020 through Zoom Platform. The objective of the program is to bring eminent academicians on to the campus to share their knowledge and experiences with the students in the field of civil engineering. This program is helpful for the students to understand environmental engineering and making them aware of the advancements therein.

The resource person was an eminent personality from the academia, Dr. Shihabudheen M. Maliyekkal, Assistant Professor, Department of Civil and Environmental Engineering, IIT Tirupati, Tirupati. He explained the ideas and experiences in Environmental Engineering and their importance; knowledge on Nanotechnology Enabled Water Filters: A Sustainable Way for Point-of-use Water Purification.

A total of 206 students from II, III and IV B.Tech. Civil Engineering I Semester and 18 faculty members from the host department were participated in the session. Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC and Faculty Advisor-ASCE SVEC Student Chapter and Convener of the Program; Mr. D. V. Purushotham, Assistant Professor, Coordinator-ASCE SVEC Student Chapter and Coordinator of the Program graced the occasion. Office bearers of ASCE SVEC Student Chapter were the organizers of this program. During the program session, expert has shared his rich knowledge of environmental engineering along with case studies with all the participants.

On the whole, the event was proved successful. Online Expert Lecture is a way of enriching our students with the latest developments in civil engineering by an eminent academician within and beyond curriculum. Further, students will get inspiration from the speaker, provides a chance to students to meet an eminent academician and better interaction between the speaker and the department on various issues.

In addition, Dr. Shihabudheen M. Maliyekkal interacted with the Student Office Bearers of ASCE SVEC Student Chapter and faculty of civil engineering and gave suggestions for student chapter and on teaching and research frontiers for faculty. He appreciated the efforts of management, faculty and staff.

#### **GUEST LECTURE**

## Role of Foundation Technologies in the Infrastructure Development of India - Dr. K. S. Rama Krishna

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Expert Lecture on "Role of Foundation Technologies in the Infrastructure Development of India" for B.Tech. CE Students under ASCE SVEC Student Chapter on 31<sup>st</sup> October 2020 through Zoom Platform. The objective of the program is to bring eminent industry experts to share their knowledge and experiences with the students in the field of civil engineering. This program is helpful for the students to understand construction engineering and making them aware of the advancements therein.

The resource person was an eminent personality from the industry, Dr. K. S. Rama Krishna, Senior Geotechnical Consultant, Chairman-DFI of India, Member-Board of Trustees DFI, USA. He explained the ideas and experiences in Construction Engineering and their importance; knowledge on Role of Foundation Technologies in the Infrastructure Development of India.

A total of 138 students from II, III and IV B. Tech. Civil Engineering I Semester and 13 faculty members from the host department were participated in the session. Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC and Faculty Advisor-ASCE SVEC Student Chapter and Convener of the Program; Mr. D. V. Purushotham, Assistant Professor, Coordinator-ASCE SVEC Student Chapter and Coordinator of the Program graced the occasion. Office bearers of ASCE SVEC Student Chapter were the organizers of this program. During the program session, expert has shared her rich knowledge of construction engineering along with case studies with all the participants.

On the whole, the event has proved successful. Online Guest Lecture is a way of enriching our students with the latest developments in civil engineering by an eminent industry by an eminent practicing engineer and beyond curriculum. Further, students will get inspiration from the speaker, provides a chance to students to meet an eminent academician and better interaction between the speaker and the department on various issues.

In addition, Dr. K. S. Rama Krishna interacted with the Office bearers of ASCE SVEC Student Chapter and faculty of civil engineering and gave suggestions for student chapter, teaching and research frontiers for faculty. He appreciated the efforts of management, faculty and staff.



Dr. O. Eswara Reddy, Faculty Advisor, ASCE SVEC Student Chapter; Professor, HoD and BOS Chairman, Dept. of Civil Engineering, SVEC



Dr. K.S. Rama Krishna delivering an Online Expert Lecture on "Role of Foundation Technologies in the Infrastructure Development of India"



Dr. K.S. Rama Krishna interacting with Students and Faculty in Q & A Session

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### **Engineers' Day Celebrations**

## SIR M VISVESVARAYA - A LEGENDARY - Dr. O. Eswara Reddy

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Online Lecture on "SIR M VISVESVARAYA - A LEGENDARY" for B.Tech. CE Students under ASCE SVEC Student Chapter on 15<sup>th</sup> September 2020. The objective of the program is to share the knowledge and experiences of about Bharat Ratna Sir M. Visvesvaraya to the students in the field of civil engineering. This program is helpful for the students to understand the importance of values and ethics apart from the knowledge in civil engineering and making them.

Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor, HoD and Chairman - BOS, Department of Civil Engineering, SVEC delivered an online Lecture on "Sir M Visvesvaraya - A Legendary" as a part of the Engineers day celebrations program. He explained the complete auto biography of Sir MV and his major contributions to the nation and the world.

A total of 80 students from II, III and IV B.Tech. Civil Engineering II Semester and 15 faculty members from the department were participated in the session of online Lecture through Zoom Platform. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

On the whole, the event was proved successful. Online Lecture is a way of enriching our students with the knowledge and experiences of about Sir M Visvesvaraya.



Dr. O. Eswara Reddy, Faculty Advisor, ASCE SVEC Student Chapter; Professor, HoD and BOS Chairman, Dept. of Civil Engineering, SVEC congratulating all Students and Faculty



Online Lecture on "SIR M VISVESVARAYA - A LEGENDARY"



Faculty and Students are interacting with the Speaker

#### **ORIENTATION PROGRAM FOR FRESHERS**

## Significance and Applications of Civil Engineering to Society and Industry - Dr. O. Eswara Reddy



Dr. O. Eswara Reddy, Faculty Advisor, ASCE SVEC Student Chapter welcoming the Students of II B.Tech. CE (Lateral Entry) Civil Engineering



Dr. O. Eswara Reddy, Faculty Advisor, ASCE SVEC Student Chapter delivering the Lecture on "Significance and Applications of Civil Engineering to Society and Industry"

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Lecture on "Significance and Applications of Civil Engineering to Society and Industry" for II B.Tech. CE (Lateral Entry) Students under ASCE SVEC Student Chapter on 19<sup>th</sup> December 2020. The objective of the program is to share the significance and applications of Civil Engineering to Society and Industry to the students in the field of civil engineering.

Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor, HoD and Chairman - BOS, Department of Civil Engineering, SVEC delivered an online Lecture on "Significance and Applications of Civil Engineering to Society and Industry" as a part of the Orientation Program for Freshers. He explained the ideas, experiences in Civil Engineering, applications and their importance. Further, he emphasized the joy and proud of civil engineering and its applications to society and industry.

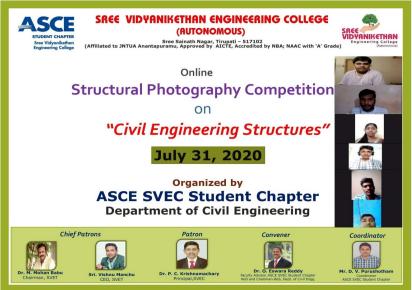
A total of 16 students from II B.Tech. (Lateral Entry) Civil Engineering I Semester from the department was participated in the session.

Office bearers of ASCE SVEC Student Chapter were the organizers of this program. On the whole, the event was proved successful.

#### STRUCTURAL PHOTOGRAPHY



**ASCE SVEC Student Chapter addressing the Students** 



Mr. D. V. Purushotham, Coordinator and Mr. B. Manoj Kumar, President of ASCE SVEC Student Chapter explaining the Event Details to the Students

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Online Structural Photography Competition on "Civil Engineering Structures" under ASCE SVEC Student Chapter on 31<sup>st</sup> July 2020. The objective of the program is to motive and nurture the Structural Photography Skills and impart knowledge on Civil Engineering Structures.

A total of 07 students from II, III and IV B. Tech. Civil Engineering I Semester has participated in the event. The whole event was conducted with great zeal and enthusiasm. The competition was conducted through Zoom Platform from 10:00 am to 1:00 pm.

Dr. O. Eswara Reddy, Professor, Head, BOS Chairman, and Faculty Advisor - ASCE SVEC Student Chapter, Department of Civil Engineering, SVEC and Convener of the event addressed the gathering and motivated the participants; Mr. D. V. Purushotham, Assistant Professor, Coordinator-ASCE SVEC Student and Coordinator of the event Chapter judged the participants on different criteria such as knowledge, presentation, demonstration, creativity and content. Office barriers of ASCE SVEC Student Chapter were the organizers of this program.

On the whole, the event was proved successful. The prize winners were judged purely based on subject knowledge and presentation skills. The First Prize to Mr. Chandan Mahato of IV B. Tech. CE-B and the Second Prize to Mr. Neelam Venkata Sai of IV B. Tech. CE-A were awarded. Participation certificates were distributed to all the participants. The students were enriched with knowledge on latest technologies used in the Different Themes of Civil Engineering Structures. Further, it is believed that this event has ignited the young minds to learn and participate and to participate and learn.

#### SEMINAR PRESENTATION

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Online Seminar Presentation on "Civil Engineering Infrastructure for the Development of Smart Cities/Intelligent Transport Systems" under ASCE SVEC Student Chapter on 30th August 2020. The objective of the program is to motive and nurture the seminar presentation skills and impart knowledge on Civil Engineering Infrastructure for the Development of Smart Cities/Intelligent Transport Systems.

A total of 20 students (06 individuals and 7 teams of each 2) from II and III B.Tech. Civil Engineering I Semester has participated in the event. The whole event was conducted with great zeal and enthusiasm. The competition was conducted through Zoom Platform from 10:00 am to 4:00 pm on 30<sup>th</sup> August 2020.

Dr. O. Eswara Reddy, Professor, Head, BOS Chairman, and Faculty Advisor -ASCE SVEC Student Chapter, Department of Civil Engineering, SVEC and Convener of the event addressed the gathering and motivated the participants; Mr. D. V. Purushotham, Assistant Professor, Coordinator-ASCE SVEC Student Chapter and Coordinator of the event; Mr. M.S. Yuvaraj, Assistant Professor judged the participants on different criteria such as knowledge, presentation, demonstration, creativity and content. Office barriers of ASCE SVEC Student Chapter were the organizers of this program.

On the whole, the event was proved successful. The prize winners were judged purely based on subject knowledge and presentation skills. The First Prize to Ms. Pallavi Nallaturu of III B. Tech. CE-A and the Second Prize to Ms. C. Jyoshna and Ms. Lekkala Kiranmayee of II B. Tech. CE-A were awarded in seminar presentation on "Civil Engineering Infrastructure for the Development of Smart Cities". Similarly, the First Prize to Mr. Nadavala Pavan Kumar and Mr. Nellore Nithesh Kumar Reddy of II B. Tech. CE-A and the Second Prize to Ms. Thallapaka Javali and Ms. Yarasani Yathishwari of II B. Tech. CE-B were awarded in seminar presentation on "Intelligent Transport Systems". Participation certificates were distributed to all the participants.

The students were enriched with knowledge on latest technologies used in the seminar presentation. Further, it is believed that this event has ignited the young minds to learn and participate and to participate and learn.



SREE VIDYANIKETHAN ENGINEERING COLLEGE ASCE Smart **Seminar Presentation** "Civil Engineering Infrastructure for the Development of Smart Cities/Intelligent Transport Systems" August 30, 2020 (Sunday) Organized by
ASCE SVEC Student Chapter Department of Civil Engineering

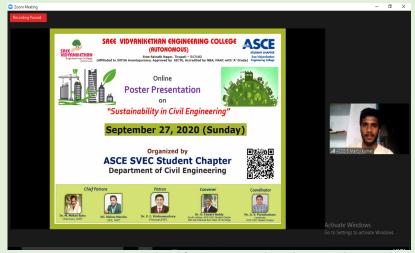
**Event Banner** 

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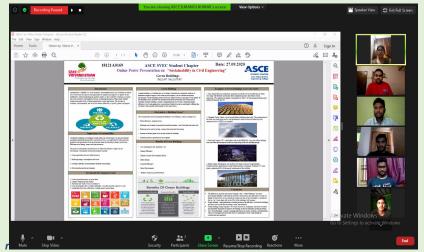
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#### **POSTER PRESENTATION**



Mr. B. Manoj Kumar, President of ASCE SVEC Student Chapter welcoming the Participates of Paper Presentation Competition





Participation by Ms. N. Pallaviof III B.Tech. CE I Semester

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Online Poster Presentation on "Sustainability in Civil Engineering" under ASCE SVEC Student Chapter on 27<sup>th</sup> September 2020. The objective of the program is to motive and nurture the Poster Presentation skills and impart knowledge on Sustainability in Civil Engineering.

A total of 19 students (09 individuals and 5 teams of each 2) from II, III and IV B.Tech. Civil Engineering I Semester has participated in the event. The whole event was conducted with great zeal and enthusiasm. The competition was conducted through Zoom Platform from 10:00 am to 4:00 pm on  $27^{th}$  September 2020.

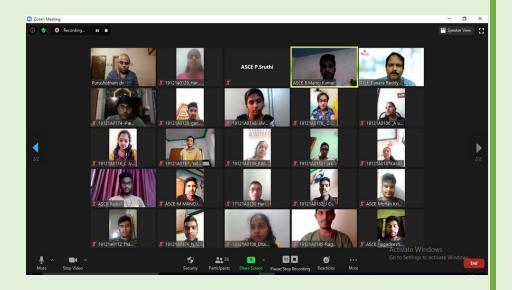
Dr. O. Eswara Reddy, Professor, Head, BOS Chairman, and Faculty Advisor - ASCE SVEC Student Chapter, Department of Civil Engineering, SVEC and Convener of the event addressed the gathering and motivated the participants; Mr. D. V. Purushotham, Assistant Professor, Coordinator-ASCE SVEC Student Chapter and Coordinator of the event are judged the participants on different criteria such as knowledge, presentation, demonstration, creativity and content. Office barriers of ASCE SVEC Student Chapter were the organizers of this program.

On the whole, the event has proved successful. The prize winners were judged purely based on subject knowledge and presentation skills. The First Prize to Ms. Pallavi Nallaturu of III B. Tech. CE-A; Second Prize to Mr. Nadavala Pavan Kumar and Mr. Nellore Nithesh Kumar Reddy of II B. Tech. CE-A and Third Prize Thalluru Kowshik Kumar were awarded in poster presentation on "Sustainability in Civil Engineering". Participation certificates were distributed to all the participants.

The students were enriched with knowledge on latest technologies used in the poster presentation. Further, it is believed that this event has ignited the young minds to learn and participate and to participate and learn.

#### **VIRTUAL SOCIAL GATHERINGS**

Virtual Social Gathering of Faculty Advisor, Coordinator and Office Bearers at Zoom Platform on 28-08-2020.



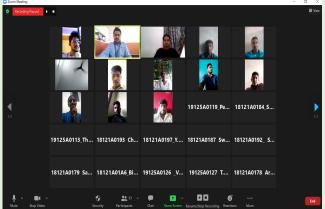


Virtual Social Gathering of Faculty Advisor, Coordinator and Office Bearers at Zoom Platform on 30-12-2020.

#### Virtual Field Visit on "Smart Cities- Andhra Pradesh, India"



Event Brochure of Online Virtual Field Visit on "Smart Cities-Andhra Pradesh, India"



Mr. D. V. Purushotham, Assistant Professor, Department of Civil Engineering, SVEC presenting an Online Virtual Field Visit on "Smart Cities- Andhra Pradesh, India"

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Virtual Field Visit on "Smart Cities - Andhra Pradesh, India" on  $20^{th}$  August 2020 from 3.30 P.M to 4.30 P.M for the benefit of II B.Tech. I Semester Civil Engineering students (B-Section) through Zoom Platform.

The objective of the program is to impart the practical knowledge on the construction details of civil engineering structures which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this field and making them aware of the advancements in construction therein.

A total of 45 students from II B.Tech., I Semester Civil Engineering, Department of Civil Engineering, Sree Vidyanikethan Engineering College have participated in the virtual field visit along with faculty. Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor, HoD and Chairman - BOS, Department of Civil Engineering, SVEC; and Mr. D. V. Purushotham, Asst. Professor, Coordinator-ASCE SVEC Student Chapter were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

Mr. D. V. Purushotham, explained the construction details and importance of Smart Cities- Andhra Pradesh, India i.e., Amaravati, Visakhapatnam, Kakinada, Tirupati Smart City construction details; Amaravati Iconic Bridge, Amaravati; Garudavardhi Bridge, Tirupati etc. A total of 210 projects worth Rs.8,814.18 crore have been identified in these four cities in Andhra Pradesh. In Kakinada, over 70 projects are at development stage, costing Rs.1,986.08 crore, 39 projects worth Rs.1,610.95 crore in Tirupati and 47 projects worth Rs.1,777.29 crore in Visakhapatnam etc.

Finally, Mr. D. V. Purushotham interacted with the students to know their understanding about construction details during the virtual field visit. The purpose of the virtual field visit was fulfilled and all the participated students were benefited.

# Virtual Field Visit on "World's Highest Railway Bridge - Chenab Railway Bridge Construction"

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Virtual Field Visit on "World's Highest Railway Bridge - Chenab Railway Bridge Construction" on 05th September 2020 from 3.30 to 4.30 P.M for the benefit of III B.Tech. I Semester Civil Engineering students (B-Section) through Zoom Platform.

The objective of the program is to impart the practical knowledge on the construction details of civil engineering structures which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this field and making them aware of the advancements in bridge construction therein.

A total of 65 students from III B.Tech., I Semester Civil Engineering, Department of Civil Engineering, Sree Vidyanikethan Engineering College have participated in the virtual field visit along with faculty. Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor, HoD and Chairman - BOS, Department of Civil Engineering, SVEC; and Mr. D. V. Purushotham, Asst. Professor, Coordinator- ASCE SVEC Student Chapter were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

Mr. D. V. Purushotham, explained the construction details and importance of Chenab Railway Bridge Construction. The world's highest railway bridge is being built in Jammu and Kashmir. It is a 1.3 km-long bridge that is being built across the Chenab river. It is being constructed at a height of 359 m from the riverbed. It will be at a height 35 m more than the Eiffel Tower in Paris. etc.

Finally, Mr. D. V. Purushotham interacted with the students to know their understanding about construction details during the virtual field visit. The purpose of the virtual field visit was fulfilled and all the participated students were benefited.



Mr. D. V. Purushotham, Assistant Professor, Department of Civil Engineering, SVEC presenting an Online Virtual Field Visit on "World's Highest Railway Bridge - Chenab Railway Bridge Construction





Photograph of World's Highest Railway Bridge - Chenab Railway Bridge Construction as part of presentation

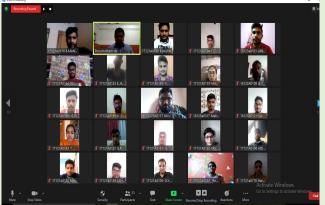
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#### VIRTUAL FIELD VISITS

#### Virtual Field Visit on "Construction Site of Bridge Construction Projects in India - 2020"



Mr. D. V. Purushotham, Assistant Professor, Department of Civil Engineering, SVEC presenting an Online Virtual Field Visit on "Bridge Construction Projects in India - 2020"



Students listening and interacting with Faculty in Online Virtual Field Visit on "Bridge Construction Projects in India -2020"

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Virtual Field Visit on "Construction Site of Bridge Construction Projects in India - 2020" on 30<sup>th</sup> October 2020 from 3.30 P.M to 4.30 P.M for the benefit of IV B.Tech. I Semester Civil Engineering students through Zoom Platform.

The objective of the program is to impart the practical knowledge on the construction details of civil engineering structures which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this field and making them aware of the advancements in construction therein.

A total of 64 students from IV B.Tech., I Semester Civil Engineering, Department of Civil Engineering, Sree Vidyanikethan Engineering College have participated in the virtual field visit along with faculty. Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor, HoD and Chairman - BOS, Department of Civil Engineering, SVEC; and Mr. D. V. Purushotham, Asst. Professor, Coordinator-ASCE SVEC Student Chapter were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

Mr. D. V. Purushotham, explained the construction details and importance of Bridge Construction Projects in India – 2020 i.e., Amaravati Iconic Bridge, Amaravati; New Pamban Bridge, Rameswaram; Chenab Railway Bridge, Srinagar; Mahatma Gandhi Sethu Bridge, Patna; Durgam Cheruvu Bridge, Hyderabad; Kanaka Durgamma Flyover Bridge, Vijayawada; Garudavardhi Bridge, Tirupati; demolition of Amruthajan Bridge, Pune etc.

Finally, Mr. D. V. Purushotham interacted with the students to know their understanding about construction details during the virtual field visit. The purpose of the virtual field visit was fulfilled and all the participated students were benefited.

#### Virtual Field Visit on "World Longest Tunnel - ATAL Tunnel, Rohtang, Himachal Pradesh, India"

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Virtual Field Visit on "World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India" on 13<sup>th</sup> November 2020 from 3.30 to 4.30 P.M for the benefit of II B.Tech. I Semester Civil Engineering students (A-Section) through Zoom Platform.

The objective of the program is to impart the practical knowledge on the construction details of civil engineering structures which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this field and making them aware of the advancements in construction therein.

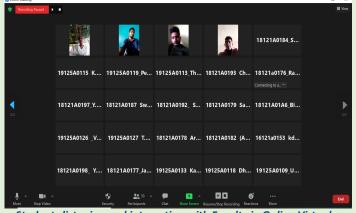
A total of 79 students from II B.Tech., I Semester Civil Engineering, Department of Civil Engineering, Sree Vidyanikethan Engineering College have participated in the virtual field visit along with faculty. Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor, HoD and Chairman - BOS, Department of Civil Engineering, SVEC; and Mr. D. V. Purushotham, Assistant Professor, Coordinator- ASCE SVEC Student Chapter were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

Mr. D. V. Purushotham, explained the construction details and importance of World Longest Tunnel - ATAL Tunnel at a length of 9.02 km, it is the longest tunnel above 10,000 feet (3,048 m) in the world and is named after former Prime Minister of India, Sri Atal Bihari Vajpayee. The tunnel reduces the travel time and overall distance between Manali and Keylong on the way to Leh. The south portal (SP) of Atal Tunnel is located at a distance of 25 km from Manali at an altitude of 3,060 m, while the north portal (NP) of the tunnel is located near village Teling, Sissu, in Lahaul Valley at an altitude of 3,071 m. It is a horse shoe shaped, singletube double lane tunnel with a roadway of 8 m and has an overhead clearance of 5.525 m. Talking about the tunnel, a BRO official said it provides a telephone facility at every 150 m of its stretch, a fire hydrant every 60 m, emergency exits every 500 m, turning cavern every 2.2 km, air quality monitors every 1 km, broadcasting system and automatic incident detection system with CCTV cameras every 250 m. The Atal Bihari Vajpayee government had taken the decision to construct the strategic tunnel below the Rohtang Pass on June 3, 2000, and the foundation stone for the access road to the south portal of the tunnel was laid on May 26, 2002. Prime Minister Shri Narendra Modi inaugurated Atal Tunnel, the world's longest underground highway on 3<sup>rd</sup> October 2020.

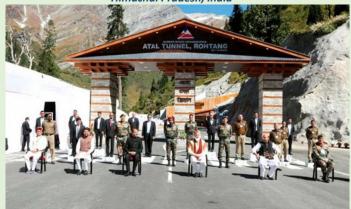
Finally, Mr. D. V. Purushotham interacted with the students to know their understanding about construction details during the virtual field visit. The purpose of the virtual field visit was fulfilled and all the participated students were benefited.



Mr. D. V. Purushotham, Assistant Professor, Department of Civil Engineering, SVEC presenting an Online Virtual Field Visit on "World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India"



Students listening and interacting with Faculty in Online Virtual Field Visit on "World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India"



Photograph of World Longest Tunnel – ATAL Tunnel, Rohtang, Himachal Pradesh, India

#### **VIRTUAL FIELD VISITS**

#### Virtual Field Visit on "Polavaram Irrigation Project – Andhra Pradesh"

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Virtual Field Visit on "Polavaram Irrigation Project – Andhra Pradesh" on 08<sup>th</sup> December 2020 from 3.30 P.M to 4.30 P.M for the benefit of III B.Tech. I Semester Civil Engineering students (A-Section) through Zoom Platform.

The objective of the program is to impart the practical knowledge on the construction details of civil engineering structures which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this field and making them aware of the advancements in construction therein.

A total of 70 students from III B.Tech., I Semester Civil Engineering, Department of Civil Engineering, Sree Vidyanikethan Engineering College have participated in the virtual field visit along with faculty. Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor, HoD and Chairman - BOS, Department of Civil Engineering, SVEC; and Mr. D. V. Purushotham, Asst. Professor, Coordinator-ASCE SVEC Student Chapter were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

Mr. D. V. Purushotham, explained the construction details and importance of Polavaram Irrigation Project – Andhra Pradesh, India. The Polavaram Irrigation Project is a Multipurpose one conferring Irrigation benefits in the upland areas of Visakhapatnam, East Godavari, West Godavari and Krishna Districts. It also envisages drinking water supply to Visakhapatnam Township and other towns and villages enroute and Industrial water supply to the Visakhapatnam coast based Steel Plant and other industries in the vicinity, generation of Hydal Power, affording Navigation facilities, development of pisciculture and providing recreation and other benefits, besides urbanisation. The Project also provides diversion of 2,27 T.M.Cum (80 TMC ft.) of Godavari Waters to Krishna Basin etc.

Finally, Mr. D. V. Purushotham interacted with the students to know their understanding about construction details during the virtual field visit. The purpose of the virtual field visit was fulfilled and all the participated students were benefited.







Photograph of Polavaram Irrigation Project – Andhra Pradesh,
India as part of presentation

#### **INTERNSHIPS**

### **Industry Internships to Students**

S.NO.	Description	Duration	No. of Students
1	Internship for ASCE Members of IV B.Tech. CE in Industry during Major Project Work	05-12-2019 to 30-04-2020	43

### **Companies offered Industry Internships to Students:**

S.No.	Name of the company	No. of Students
1	TechFab India Industries Ltd., Hyderabad.	03
2	M A Consulting Services Pvt Ltd., Hyderabad.	03
3	STUP Consultants Pvt. Ltd., Bangalore	04
4	Megha Engineering & Infrastructures Ltd., Hyderabad	15
5	RAHEE Infractech Ltd., Nagpur	03
6	Teemage Builders Pvt Ltd., Tirupur, TN	02
7	STUP Consultants Pvt. Ltd., Hyderabad.	04
8	SRK Constructions & Projects Pvt. Ltd., Hyderabad	01
9	V Consultants Engineers and Builders, Piler	01
10	Aakruthi Developers, Adoni	01
11	DV Associates, Tirupati	01
12	JL Constructions Pvt. Ltd., Anantapur	01
13	Meda Constructions, Tirupati	01
14	Cognizant Technology Services, Chennai	03

#### **COMMUNITY SERVICE**

#### Outreach Activity - An Awareness Program on "Safety Measures to Prevent COVID-19"









ASCE SVEC Student Chapter Office Bearers of Civil Engineering Department in the Community Service on "Safety Measures to Prevent COVID-19", A. Rangampet, Chandragiri Mandal, Chittoor district,

The Department of Civil Engineering has organized an Outreach Activity i.e., An Awareness Program on "Safety Measures to Prevent COVID-19" at A. Rangampet, Chandragiri Mandal, Chittoor District, Andhra Pradesh, India under ASCE SVEC Student Chapter on 31<sup>st</sup> December 2020. The objective of the program is to motivate, create awareness and impart knowledge on Safety Measures to Prevent COVID-19 to the Public or Community.

Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC and Faculty Advisor-ASCE SVEC Student Chapter and Convener of the Program; Mr. D. V. Purushotham, Assistant Professor and Coordinator-ASCE SVEC Student Chapter and Coordinator of the Program graced the occasion. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

02 No. of Faculty Members and 30 No. of Students including ASCE SVEC Student Chapter Office Bearers of Civil Engineering Department were actively participated in the program. Faculty and Students explained about the importance of Safety Measures to Prevent COVID-19 to the Public or Community. At the end of the program, the public gained the knowledge on safety precautions to prevent COVID-19 and understood how the prevention benefits the society.

On the whole, the event proved successful. Community service is to work for free to help/benefit the public/community. Community service can have a lot of positive effects on students, such as helping them to develop skills, making contacts, and allowing them to improve the quality of life of others. The students can develop an attitude of giving something to society. Also, it creates realization in the budding engineers to innovate and work for society.









ASCE SVEC Student Chapter Office Bearers of Civil Engineering Department in the Community Service on "Safety Measures to Prevent COVID-19", A. Rangampet, Chandragiri Mandal, Chittoor district, A.P, India





Posters on "Safety Measures to Prevent COVID-19"



ASCE SVEC Student Chapter Office Bearers of Civil Engineering
Department in the Community Service during COVID-19 Lockdown in India



COVID-19 Vaccinees in India

- Student Officer Planning Meeting on 20.01.2020
- General Meeting of Student Officers, Faculty Advisor, Coordinator and Head of the Department on 29.02.2020
- ➤ Business meeting at "ASCE Indian Region Student conference 2020" at ASCE BIT Student Chapter on 03.03.2020
- ➤ Professional Meeting with invited Speaker (Online) on 23.05.2020
- ➤ Student Officer Planning Meeting (Online) on 15.06.2019
- ➤ Professional Meeting with invited Speaker (Online) on 04.07.2020
- ➤ Student Officer Planning Meeting (Online) on 30.09.2020
- ➤ Professional Meeting with invited Speaker (Online) on 15.10.2020
- ➤ Professional Meeting with invited Speaker (Online) on 31.10.2020
- ➤ Student Officer Planning Meeting (Online) on 07.11.2020

#### CHARTER RECOGNITION CERTIFICAT

## American Society of Civil Engineers

STUDENT



ORGANIZATION

SOCIETY OF CIVIL ENGINEERS

ORGANIZATION

### $C\mathcal{H}\mathcal{A}\mathcal{R}\mathcal{T}\mathcal{E}\mathcal{R}$

In recognition of the organization of the

## Sree Vidyanikethan Engineering College Student Chapter

of the American Society of Civil Engineers on April 30, 2019

the Region 10 Board of Governors has caused this Charter to be issued and by it grants to said Student Chapter all the rights and privileges provided in the Constitution and Bylaws of the Society.

Issued: May 6, 2019

Thomas W. Smith, III, ENV SP, CAE, F.ASCE ASCE Executive Director

Robin a. Kemper, PE

Robin Kemper, P.E., LEED, AP, F.ASCE, F.SEI 2019 ASCE President

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#### **ADVISORS OF ASCE SVEC STUDENT CHAPTER**



#### **FACULTY ADVISOR**

Prof. Dr. O. ESWARA REDDY, M.Tech. (Geotechnical Eng.), Ph.D. FIE, FIGS, M.ASCE, MISSMGE, MIRC, MISTE, MISRMTT, MIGS, MISCA, CEng (India) Head and Chairman–BOS,

Department of Civil Engineering, Former Vice Principal, 2<sup>nd</sup> Shift Polytechnic, Sree Vidyanikethan Engineering College (Autonomous), SreeSainath Nagar, A. Rangampet - 517 102, Tirupati, Chittoor Dist., A.P., INDIA.



Dr. Rama Raju, Kunadharaju, M.ASCE
Chief Scientist,
Advanced Seismic Testing and Research Lab,
CSIR-Structural Engineering Research Centre
CSIR Campus, Taramani Chennai – 600113,
Tamil Nadu, INDIA.

#### PRACTITIONER ADVISORS



Mr. Pasupula Suresh K Gupta, M.ASCE Lead Engineer – Geotechnical, CH2M HILL (India) Pvt. Ltd., Madhapur, Hyderabad – 500081, Telangana, INDIA.

#### **OFFICE BEARERS OF STUDENT CHAPTER - 2020**



Mr. B. Manoj Kumar President



Ms. P. Sruthi
Vice President



Mr. M. Manoj Kumar Recording Secretary



Ms. D. Yasaswini Corresponding Secretary



Mr. N. Rajesh Treasurer

**President:** Mr. B. Manoj Kumar, IV B.Tech. CE, <u>manoj90003@gmail.com</u> **Vice President:** Ms. P. Sruthi, IV B.Tech. CE, <u>sruthivn68@gmail.com</u>

Recording Secretary: Mr. M. Manoj Kumar, IV B.Tech. CE, <u>manojskuatp@gmail.com</u>
Corresponding Secretary: Ms. D. Yasaswini, IV B.Tech. CE, <u>chinnubabi68@gmail.com</u>

Treasurer: Mr. N. Rajesh, IV B.Tech. CE, <a href="mailto:nendreumbakamrajesh@gmail.com">nendreumbakamrajesh@gmail.com</a>

#### **CHAIR PERSONS – STANDING COMMITTEES - 2020**



Mr. B. Abhinay
Chairperson
Activities Committee



Mr. K. Mohan Krishna Chairperson Fund Raising Committee



Ms. M. Arunakumari Chairperson Publicity Committee



Mr. K. Jageeswar Reddy Chairperson Membership Committee



Ms. B. Hema Sree Chairperson Meeting Committee

Activities Committee: Mr. B. Abhinay, IV B.Tech. CE, abhinaysingh88012@gmail.com

Fund Raising Committee: Mr. K. Mohan Krishna, IV B. Tech. CE, miraclemohan07@gmail.com

Publicity Committee: Ms. M. Arunakumari, IV B.Tech. CE, arunakumari.m28@gmail.com

Membership Committee: Mr. K. Jageeswar Reddy, IV B. Tech. CE, <u>karnatijagadeesh123@gmail.com</u>

Meeting Committee: Ms. B. Hema Sree, IV B.Tech. CE, <u>buddypandu1425@gmail.com</u>



#### **ASCE SVEC Student Chapter**

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Sree Vidyanikethan Engineering College (Autonomous)
Tirupati - 517102, Chittoor District,
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E.mail: asce@vidyanikethan.edu

