

ASCE SREE VIDYANIKETHAN ENGINEERING COLLEGE (ASCE SVEC) STUDENT CHAPTER



ASCE SVEC NEWS

ISSUE 05,
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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 natural 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 26th July 2017. Formal Inauguration was held on 31st 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, e-learning 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 four-year period of establishment of ASCE SVEC.

The chapter averaging an event every week held 33 events in the calendar year 2022. 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:

Dr. O. ESWARA REDDY,

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

FIE, FIGS, M.ASCE, MISSMGE, MIRC, MISTE, MISRMTT, MIGS, MISCA, CEng (India)

Professor and Chairman-BOS,

Department of Civil Engineering,

Former Vice Principal, 2nd Shift Polytechnic.

Sree Vidyanikethan Engineering College (Autonomous),
Tirupati - 517 102.

Chief Editor:

Dr. O. Eswara Reddy,

Professor and BOS Chairman

Faculty Advisor – ASCE SVEC Student Chapter

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Editor: **Mr. D. V. Purushotham,**

Faculty Advisor – ASCE SVEC Student Chapter

Editorial Team Members:

Mr. N. Devendra, IV B.Tech, **Mr. N. Pavan Kumar,** 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

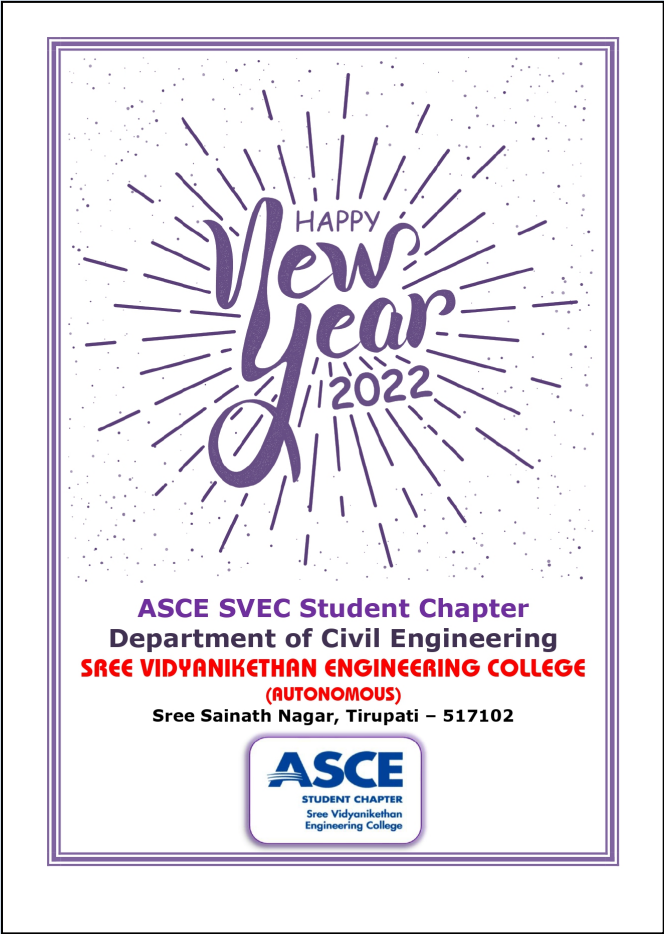
Goals

- 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*
- 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.*

NEW YEAR WISHES



Engineers have the ability to construct everything they can envision. May you and your inventions wow everyone throughout the world in the next year, bringing you fortune and renown.

Wishing you a pleasant and prosperous New Year!!!



COLLABORATION WITH OTHER STUDENT ORGANIZATIONS

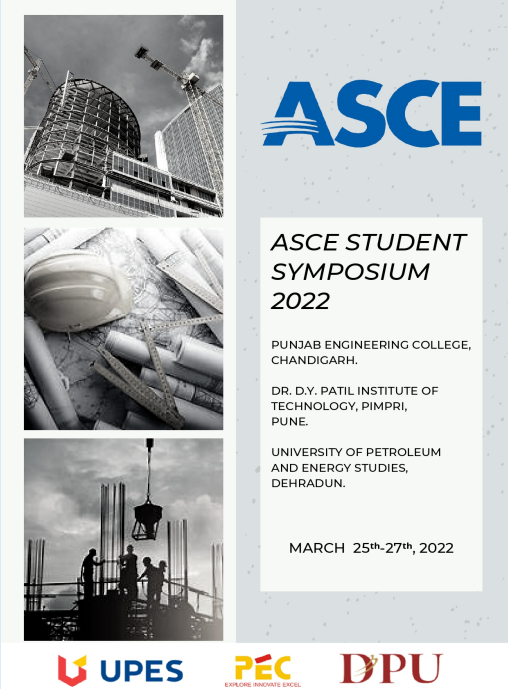
ASCE Indian Region Student Virtual Conference - 2022

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 symposium at Punjab Engineering College, Chandigarh.

ASCE PEC Student Chapter is back with its annual civil engineering fest, now as Virtual “ASCE Student Symposium 2022”, one of the liveliest events ever in the field of Civil Engineering. ASCE National Student Virtual Symposium 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 Department of Civil Engineering of Sree Vidyanikethan Engineering College, 06 No. of Student Members of ASCE SVEC Student Chapter from III B.Tech. & IV B.Tech II Semester CE have participated in many events and secured various prizes in ASCE Student Symposium 2022 during 25-03-2022 to 27-03-2022 under ASCE PEC Student Chapter at Punjab Engineering College, Chandigarh

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 Student Symposium 2022.



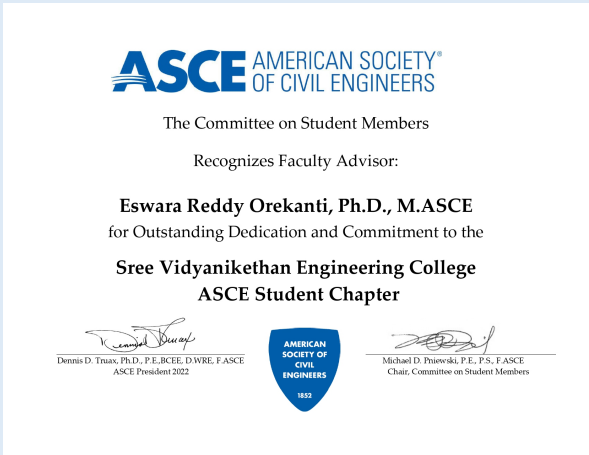
Prize Winners from ASCE SVEC Student Chapter in ASCE Student Symposium 2022

S.No.	Event Name	Roll No.	Name of the Student	Class	Prize
1	Surveying Competition (ASCE League Event for ASCE International Competitions)	18121A0102	Ms. A. Susmitha	IV B.Tech. CE	-
		18121A0198	Mr. Yerasi Venkata Vinod Reddy		
		19121A0174	Mr. Nadavala Pavan Kumar	III B.Tech. CE	
		19121A01B7	Ms. Yarasani Yathishwari		
		20125A0109	Mr. Nakkala Devendra		
2	Paper Presentation	20125A0109	Mr. Nakkala Devendra	III B.Tech. CE	Fourth Prize

2022 Recognition on Certificate of Student Leadership



2022 Recognition Certificate of Faculty Advisor



GUEST LECTURE

“Significance of Geotechnical Investigations in Infrastructure Projects” - Prof. Neelima Satyam



Welcome Address by Ms. Y. Yathiswari, Recording Secretary, ASCE SVEC Student Chapter



Prof. Neelima Satyam delivering an Expert Lecture on “Significance of Geotechnical Investigations in Infrastructure Projects”



Prof. Neelima Satyam 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 “Significance of Geotechnical Investigations in Infrastructure Projects” for B.Tech. CE Students under ASCE SVEC Student Chapter 27th October 2022. 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 Geotechnical engineering. This program is helpful for the students to understand Geotechnical investigations required for infrastructure projects and making them aware of the advancements therein. The resource person was an eminent personality from the academia, Prof. Neelima Satyam, Professor, Department of Civil Engineering, Indian Institute of Technology Indore, Indore, Madhya Pradesh, India. She explained the ideas and experiences in Geotechnical investigations required for infrastructure projects and their importance. A total of 300 students from II, III and IV B.Tech. Civil Engineering I Semester and 15 faculty members from the host department were participated in the session. Dr. O. Eswara Reddy, Professor 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 and Faculty Advisor-ASCE SVEC Student Chapter 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 with all the participants. On the whole, the event was proved successful. Expert Lecture is a way of enriching our students with the latest developments in Construction and Geotechnical 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, Prof. Neelima Satyam 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. She appreciated the efforts of management, faculty and staff.

Engineers’ Day Celebrations

“Dr. K. L. Rao - Father of India's Water Management and Agriculture” -
Dr. O. Eswara Reddy

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Lecture on “Dr. K. L. Rao - Father of India's Water Management and Agriculture” for B.Tech. CE Students under ASCE SVEC Student Chapter on 15th September 2022. The objective of the program is to share the autobiography of Dr. K. L. Rao to the students for inspiration. 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 to follow the foot prints of Dr. K. L. Rao.

Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor and Chairman - BOS, Department of Civil Engineering, SVEC delivered a Lecture on “Dr. K. L. Rao - Father of India's Water Management and Agriculture” as a part of the Engineers Day celebrations. He explained the complete auto biography of Dr. K. L. Rao and his major contributions and innovative ideas to the nation and the world.

A total of 80 students from IV B.Tech. Civil Engineering I Semester from the department were 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.



Dr. O. Eswara Reddy, Faculty Advisor, ASCE SVEC Student Chapter; Professor of Civil Engineering, SVEC delivering a Lecture on “Dr. K. L. Rao - Father of India's Water Management and Agriculture”



Faculty and Students interacting with the Speaker

ORIENTATION PROGRAMME

“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 I.B.Tech. Civil Engineering Semester and II B.Tech CE Lateral Entry Students



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 I B.Tech. CE and II B.Tech CE Lateral Entry Students under ASCE SVEC Student Chapter on 11th October 2022. 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. This program is helpful for the students to understand civil engineering and making them aware of the contribution of Civil Engineering to the society.

A total of 19 students from I B.Tech. Civil Engineering I Semester and II B.Tech CE Lateral Entry Students from the host institution were participated in the session.

Dr. O. Eswara Reddy, Faculty Advisor - ASCE SVEC Student Chapter, Professor and Chairman - BOS, Department of Civil Engineering, SVEC delivered a 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, innovations, applications and their importance. Further, he emphasized the joy and proud of civil engineering and its applications to society and industry.

Mr. D. V. Purushotham, Assistant Professor and Coordinator and Faculty Advisor-ASCE SVEC discussed the importance of ASCE SVEC Student Chapter. Office bearers of ASCE SVEC Student Chapter were the organizers of the program.

On the whole, the event has proved successful. This lecture is a way of enriching our students with the knowledge and experiences of about Significance and Applications of Civil Engineering to Society and Industry.

POSTER PRESENTATION

Civil Engineering Infrastructure for the Development of Smart Cities

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Online Poster Presentation on “Civil Engineering Infrastructure for the Development of Smart Cities” under ASCE SVEC Student Chapter on 28th May 2022. The objective of the program is to motive and nurture the Poster Presentation skills and impart knowledge on IOT in Civil Engineering.

A total of 14 students from I, II, and III B.Tech. Civil Engineering II Semester has participated in the event. The whole event was conducted with great zeal and enthusiasm.

Dr. O. Eswara Reddy, Professor and 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 Mr. Santa Kiransai of III B. Tech. CE-B; Second Prize to Mr. Aragonda Yugandhar of III B. Tech. CE-B and Third Prize to Mr. G. Vinod Yadav and Ms. Ketharapu Sravani were awarded in poster presentation on “IOT 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 prticipate and to participate and learn.



Event Banner



A Group Photograph with all Participants in Poster Presentation Competition

FIELD VISITS

Industrial Visit to “AP State Disaster Response and Fire Services Department, Tirupati”



Event Banner



A Group Photograph at AP State Disaster Response and Fire Services Department, Tirupati

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Industrial Visit to “AP State Disaster Response and Fire Services Department, Tirupati” on 07th May 2022 from 10.00 A.M to 01.00 P.M for the benefit of III B.Tech. II Semester Civil Engineering. (A & B-Sections) students.

The objective of the program is to impart the practical knowledge on the disaster response and fire services which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this visit and making them aware of the advancements in disaster response and fire services therein.

A total of 34 students from III B.Tech. II Semester Civil Engineering (A & B-Sections), Department of Civil Engineering, Sree Vidyanikethan Engineering College has participated in the industrial visit along with faculty. Dr. O. Eswara Reddy, Professor, BOS Chairman, and Faculty Advisor - ASCE SVEC Student Chapter, and Convener of the event; Mr. D. V. Purushotham, Assistant Professor, Coordinator - ASCE SVEC Student Chapter; and Mr. M. S. Yuvaraj, Assistant Professor, SVEC were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

Mr. B. Sam Prakash, Assistant Station Fire Officer, Tirupati Fire Station, Tirupati explained the introduction of fire, fire extinguishers, functions and maintenance of fire trucks, mobile fire trucks, operation of fire hoses and foam system, safety in fire rescue operations etc. to the students during the industrial visit.

Finally, Mr. D. V. Purushotham and Mr. B. Sam Prakash interacted with the students to know their understanding about disaster response and fire services details during the industrial visit. The purpose of the industrial visit was fulfilled and all the participated students were benefited.

Visit to “Kalyani Dam, A. Rangampet, Chandragiri Mandal, Tirupati District, Andhra Pradesh, India”



Photograph of Kalyani Dam, A. Rangampet, Chandragiri Mandal, Tirupati District, Andhra Pradesh, India



Mr. P. Anil Kumar explaining the Design Specifications of Kalyani Dam, A. Rangampet, Chandragiri Mandal, Tirupati District, Andhra Pradesh, India

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Field Visit to “Kalyani Dam, A. Rangampet, Chandragiri Mandal, Tirupati District, Andhra Pradesh, India” on 02nd July 2022 from 10.00 A.M to 01.00 P.M for the benefit of II B.Tech. II Semester Civil Engineering (A & B-Sections) students. The objective of the program is to impart the practical knowledge on the Kalyani dam which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this visit and making them aware of the construction details of Kalyani dam therein.

A total of 60 students from II B.Tech. II Semester Civil Engineering (A & B-Sections) and 04 Faculty, Department of Civil Engineering, Sree Vidyanikethan Engineering College has participated in the field visit along with faculty. Mr. D. V. Purushotham, Assistant Professor and Faculty Advisor - ASCE SVEC Student Chapter; Mr. P. Anil Kumar, Mr. Shaik Nurulla and Mrs. G. Banu Priya, Assistant Professor, SVEC were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

All the faculty members have explained the type of dam, construction details, hydrology details, reservoir capacity, spill way types, Intake tower and benefits of the dam to the students during the field visit.

Finally, Mr. D. V. Purushotham interacted with the students to know their understanding about details of dam construction details during the field visit. The purpose of the field visit was fulfilled and all the participated students were benefited. Dr. O. Eswara Reddy, Professor, BOS Chairman and Faculty Advisor-ASCE SVEC Student Chapter appreciated the team on visiting the dam.

FIELD VISITS

Industrial Visit to “ISRO Satish Dhawan Space Centre SHAR, Sriharikota, Andhra Pradesh, India”



Event Banner



Group Photograph at ISRO Satish Dhawan Space Centre SHAR, Sriharikota

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Industrial Visit to “ISRO Satish Dhawan Space Centre SHAR, Sriharikota, Andhra Pradesh, India” on 10th November 2022 from 10.00 A.M to 05.00 P.M for the benefit of IV B.Tech. I Semester Civil Engineering (A & B-Sections) students.

The objective of the program is to impart the practical knowledge on the remote sensing and GIS which is important for civil engineers to understand. This program is helpful for the students to understand the technicalities of this visit and making them aware of the advancements in remote sensing and GIS therein.

A total of 54 students from IV B.Tech. I Semester Civil Engineering (A & B-Sections) and 03 Faculty Department of Civil Engineering, Sree Vidyanikethan Engineering College has participated in the industrial visit along with faculty. Mr. D. V. Purushotham, Assistant Professor and Faculty Advisor - ASCE SVEC Student Chapter; Mr. M. S. Yuvaraj and Mr. Shaik Nurulla, Assistant Professor, SVEC were part of the event. Office bearers of ASCE SVEC Student Chapter were the organizers of this program.

Mrs. M.V.G. Prasunamba, Administrative Officer, SDSC SHAR explained the introduction, functions and maintenance of about space centre to the students during the industrial visit.

Finally, Mr. D. V. Purushotham and Mrs. M.V.G. Prasunamba interacted with the students to know their understanding about SDSC SHAR space centre details during the industrial visit. The purpose of the industrial visit was fulfilled and all the participated students were benefited.

Appreciation to “ASCE SVEC Student Chapter Office Bearers 2021”



The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an event “Office Bearers appreciation” on 10th November 2022 from 03.00 P.M to 05.00 P.M for the appreciation of former ASCE office bearers.



The objective of the program is to appreciate their service to the Office Bearers of ASCE SVEC Student Chapter-2021.



A total of 30 students from IV B.Tech. I Semester Civil Engineering (A & B-Sections), former office bearers and 03 Faculty Department of Civil Engineering, Sree Vidyanikethan Engineering College has participated in the event along with faculty. Mr. D. V. Purushotham, Assistant Professor and Faculty Advisor - ASCE SVEC Student Chapter; Office bearers of ASCE SVEC Student Chapter were the organizers of this program.



ASCE SVEC Student Chapter Office Bearers appreciation



ASCE SVEC Student Chapter Office Bearers appreciation



SOCIAL GATHERINGS

Social Gathering of Faculty Advisor, Coordinator and Office Bearers at the Fasak canteen, SVEC on 02-06-2022.



Social Gathering at ISRO SHAR, Sriharikota



Social Gathering at Fasak Canteen

Social Gathering of Faculty Advisor, Coordinator and Office Bearers at ISRO-SHAR, Sriharikota on 16-10-2021.

INTERNSHIPS

S.NO.	Description	Duration	No. of Students
1	Internship for ASCE Members of IV B.Tech. CE in Industry during Major Project Work	11-07-2022 to 30-11-2022	151

MEETINGS

- Student Officer Planning Meeting on 01.01.2022
- Business Meeting at “ASCE Student Symposium 2022” in ASCE PEC Student Chapter (Online) on 25.03.2022
- General Meeting of Student Officers, Faculty Advisor, Coordinator and Head of the Department on 10.04.2022
- Student Officer Planning Meeting on 01.05.2022
- Student Officer Planning Meeting on 01.06.2022
- Student Officer Planning Meeting on 31.07.2022
- Student Officer Planning Meeting on 14.08.2022
- Professional Meeting with Invited Speaker on 27.10.2022
- Professional Meeting with Invited Speaker (Online) on 29.11.2022
- Professional Meeting with Invited Speaker (Online) on 16.12.2022
- Student Officer Planning Meeting on 31.12.2022

Outreach Activity - An Awareness Program on “Rainwater Harvesting” at Bandarlapalli (V), Chandragiri Mandal, Tirupati District, A.P, INDIA

**ASCE SVEC STUDENT CHAPTER**
Sree Vidyanikethan Engineering College
Tirupati

Outreach Activity: An Awareness Program on "Rainwater Harvesting"
(పర్వత నీటి సంరక్షణ)
BANDARLAPALLI (V), CHANDRAGIRI MANDAL, TIRUPATI DISTRICT, A.P, INDIA
19th November 2022
DEPARTMENT OF CIVIL ENGINEERING
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati – 517 102, A.P.


**Method of Storing Rainwater through the Roof of the House**


**Ground Water Enhancement Methods**
Roof rainwater and runoff from surface water can be stored in storm drains. Storm drains can filter running water. This allows silt to be removed and open wells to be recharged.


**Method of Storing Rainwater in a Bore Well by Controlling Method**

**Method of Storing Rainwater in a Bore Well by Controlling Method**

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**Method of Storing Rainwater in a Bore Well by Controlling Method**



The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Outreach Activity – An Awareness Program on “Rainwater Harvesting” at Bandarlapalli (V), Chandragiri Mandal, Tirupati District, A.P, India under ASCE Sree Vidyanikethan Engineering College (ASCE SVEC) Student Chapter on 19th November 2022 i.e., 10.00 A.M to 12.00 P.M. The objective of the program is to motivate, create awareness and impart knowledge on Rainwater Harvesting to the Public or Community.

Dr. O. Eswara Reddy, Professor 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 Faculty Advisor-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 15 No. of Students including ASCE SVEC Student Chapter Office Bearers of Civil Engineering Department were actively participated in the program. Faculty and Students explained the importance of rainwater harvesting in order to improve the ground water resources and reduce water scarcity in Bandarlapalli (V), also the uses of Rainwater Harvesting Systems; and Methods are explained to the villagers. Further, they explained the need of safeguarding water resources for the benefit of future generations. At the end of the program, villagers understood the need of rainwater harvesting system for their villagers and came forward to cooperate in all respects and requested to develop a comprehensive rainwater harvesting system for their villager to follow.

On the whole, the event has proved successful. Community service is to work for free to benefit the 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 the society



ASCE SVEC Student Chapter Office Bearers and Faculty of Civil Engineering Department during the Awareness Program on "Rainwater Harvesting", Bandarlapalli (V), Chandragiri Mandal, Tirupati District, A.P, India



Outreach Activity - A Visit to “Bandarlapalli Aganwadi Centre & Pre-Primary School” at Bandarlapalli (V), Chandragiri Mandal, Tirupati District, A.P, INDIA



ASCE SVEC STUDENT CHAPTER
Outreach Activity: Visit to
“BANDARLAPALLI AGANWADI CENTRE & PRE-PRIMARY SCHOOL”
BANDARLAPALLI (V), CHANDRAGIRI MANDAL,
TIRUPATI DISTRICT, A.P, INDIA
19th November 2022
DEPARTMENT OF CIVIL ENGINEERING
SREE VIDYANIKETHAN ENGINEERING COLLEGE
(AUTONOMOUS)
Sree Sainath Nagar, Tirupati – 517 102, A.P.



The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Outreach Activity – An Awareness Program on “Bandarlapalli Aganwadi Centre & Pre-Primary School” at Bandarlapalli (V), Chandragiri Mandal, Tirupati District, A.P, India under ASCE Sree Vidyanikethan Engineering College (ASCE SVEC) Student Chapter on 19th November 2022 i.e., 12.00 P.M to 01.00 P.M. The objective of the program is to motivate and create awareness to the school children.



Dr. O. Eswara Reddy, Professor 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 Faculty Advisor-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 15 No. of Students including ASCE SVEC Student Chapter Office Bearers of Civil Engineering Department were actively participated in the program. Students explained the importance of education and motivated about the carrer; also helped to serve food distribution to the school children. Further, the school children interacted with all the students and enjoyed the time.



ASCE SVEC Student Chapter Office Bearers of Civil Engineering Department - Visit to “Bandarlapalli Aganwadi Centre & Pre-Primary School”, Bandarlapalli (V), Chandragiri (M), Tirupati District, A.P, India

On the whole, the event has proved successful. Community service is to work for free to benefit the 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 the society.



ASCE SVEC Student Chapter Office Bearers of Civil Engineering Department - Visit to “Bandarlapalli Aganwadi Centre & Pre-Primary School”, Bandarlapalli (V), Chandragiri (M), Tirupati District, A.P, India



Group Photograph during the Visit to “Bandarlapalli Aganwadi Centre & Pre-Primary School” Bandarlapalli (V), Chandragiri Mandal, Tirupati District, A.P, India

Special Project: RAINWATER HARVESTING SYSTEMAT BANDARLAPALLI ANGANAWADI CENTRE IN CHANDRAGIRI MANDAL, ANDHRA PRADESH, INDIA



Photograph of the Anganwadi Centre

The main characteristic of Social Relevant Project is the quest towards answering questions that society asks or to solve problems through engineering applications. Civil Engineers have social responsibility to properly maintain and adapt structures that we depend in our life and are also involved in making sure the infrastructure is adapted to meet population growth and climate change challenges.

In this context, this study was aimed at designing a rooftop rainwater harvesting structure for the school building i.e., Anganawadi Centre, located in Andhra Pradesh state of India. The present study focuses at Bandarlapalli Village to design rainwater harvesting tank to store rain water so as to achieve the school people needs such as drinking and domestic purposes. Most of the rainwater goes as runoff as the soils are clayey in nature and having concrete pavements. The school was selected on the basis that it didn't have any source of drinking water currently. The program seeks to provide each student with 1.50 litres of drinking water through harvesting rainwater from rooftops of the school. The construction component of the program was implemented successfully.



Photograph of the Anganwadi Centre after installing the rainwater harvesting system



A Group Photograph at the Project

Special Project: ROOF RAINWATER HARVESTING AT BANDARLAPALLI PRE-PRIMARY SCHOOL



Photograph of the pre-primary school

A Study was planned in pre-primary school at Bandarlapalli to design a rain water harvesting through the building. the harvest ground water aquifers will improve or maintain the groundwater quality of wells. Now a days good quality water is a rare availability. Most of the rain water goes to runoff soils that leads to heavy black with infiltration rates. The main objective of this study is to install the percolation pit where the runoff is very high and where the clogging happens. All the rain water on the top building slab are driven to these pit so as to collect the rain water effectively. The depth of the pits may vary depending upon the type of the soil. Based on our study, cohesive red soils are present. The more water is clogging at downstream areas resulting water pollution and mosquito breeding causes many diseases. So as to overcome this clogging the rain water harvesting pits are going to install. we are going to design pit of dimensions in 1m in diameter and 1m depth and filled with uniformly graded pebbles up to 0.5 from the bottom of the pit and remaining 0.5m filled with sand at the top of the pit. So, our main aim of this project is to improve the quantity of ground water.



Photograph of the pre-primary school after fixing the PVC pipe to the roof



A Group Photograph at the Project



ASCE SVEC Student Chapter, Department of Civil Engineering College, SVEC has bagged two prestigious honors, **"2022 Region 10 Distinguished Chapter Award"** as the most outstanding Student Chapter in the Region 10 and **"2022 Certificate of Commendation"** for the outstanding activities recorded in the 2021 Chapter Annual Reports and distinction earned by only the top 5% of all student chapters. Region 10 is the home of ASCE international members and covers all countries outside of North America.

CERTIFICATE OF COMMENDATION



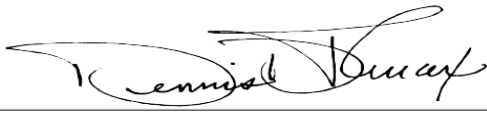
This is to certify that

**Sree Vidyanikethan
Engineering College**

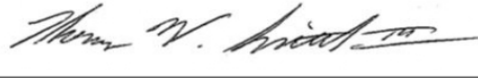
Has been awarded a

2022 Certificate of Commendation

In Recognition by the Committee on Student Members as an
Outstanding Student Chapter of the American Society of Civil Engineers


Dennis D. Truax, Ph.D., P.E., DEE, D.WRE, F.ASCE
ASCE President 2022




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

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