



# IGS SREE VIDYANIKETHAN ENGINEERING COLLEGE STUDENT CHAPTER



## IGS SVEC NEWS

ISSUE 01,  
Dec 2018 - Dec 2019

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### ABOUT IGS

The **Indian National Society of Soil Mechanics and Foundation Engineering** was established in the year 1948, soon after the second International Conference on Soil Mechanics and Foundation Engineering held at Rotterdam. The Society was affiliated to the International Society in the same year and since then it has strived to fulfil and promote the objectives of the International Society.

In December 1970, the name "**Indian Geotechnical Society (IGS)**" was adopted. In January 1994 it hosted 13th International Conference on Soil Mechanics and Foundation Engineering (ICSMGE). The Society celebrated its Diamond Jubilee in the year 2008 and racing towards Platinum Jubilee celebrations. The Secretariat of the Society started functioning from its own house since 1996, after operating for a number of years from the premises of CBIP, Institution of Engineers (I) Delhi Centre, IIT Delhi and CSMRS.

Annual Conference of the Society is an eagerly awaited event looked forward by our members and the geotechnical community as a whole. Earlier the Conferences were in the form of Symposium, Technical Sessions etc. The regular Conferences popularly known as Indian Geotechnical Conferences (IGCs) started in the year 1983.

The Society celebrated its Golden Jubilee in the year 1998 at New Delhi when four day Conference was organized as IGC-1998, the extra day devoted to Golden Jubilee activities. The entire year 2008 was celebrated as Diamond Jubilee Year when most of the IGS Chapters were encouraged to organize activities thought the year. It culminated with the Grand Finale during IGC-2008 at Bangalore.

The Society not only had the distinction of hosting the prestigious 13<sup>th</sup> ICSMGE in the year 1994 at New Delhi.

It hosted Asian Regional Conference three times during 1965, 1975 and 2007 which is a unique record. Besides these activities, it hosted 6th ICEG 2010 at New Delhi and look forward to hosting the major International Conference ICSMGE second time, once again the near future.

### IGS SVEC STUDENT CHAPTER

The Department of Civil Engineering, Sree Vidyanikethan Engineering College has initiated the process of establishment of IGS SVEC Student Chapter within the Institute on 20th November 2018 and Inaugurated the chapter with its activities on 22nd December 2018. IGS Sree Vidyanikethan Engineering College (IGS SVEC) is a student-run organization that enriches the lives of Civil Engineering students through expert lectures, guest lectures, quiz programs, seminars, workshops, conferences, group discussions, debates, industry internships, field 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 IGS Student Chapters. IGS Tirupati Chapter, IGS SVEC Student Chapter regularly conducts annual meetings, executive committee meetings and other meetings.

By joining IGS SVEC Student Chapter, students have the opportunity to interact with Faculty and Professionals outside the classroom. Also, it provides a chance to keep oneself update with the recent engineering knowledge and trends in Civil Engineering in general and Geotechnical Engineering in specific.

### Editor's Voice

With a great enthusiasm, I welcome you to the pioneer newsletter of IGS SVEC. Being a Faculty Advisor, it was a proud moment for me to inaugurate IGS 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, **IGS SVEC Student Chapter** was inaugurated on 22<sup>nd</sup> December 2018. 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 one-year period of establishment of IGS SVEC. The chapter held 08 events in the academic year. 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 IGS 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)  
Professor, Head and BOS Chairman,  
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, Head and Chairman - BOS  
Faculty Advisor – IGS SVEC Student Chapter.

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Editor: **Mr. M. Tharun Kumar,** Assistant Professor,  
Coordinator – IGS SVEC Student Chapter

Editorial Team Members:

**Mr. B. Sujan Kumar,** IV B.Tech, **Mr. S. P. Karthik,** 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 IGS India Section/IGS Southern Section.
- Inspire student members to attend IGS national and International Competitions.
- Assist interested members to find external guide for their project work among the practitioner IGS members
- Encourage student members to make use of online materials and e-learning programs from IGS and other related sources for enhancing their civil engineering knowledge.

- 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

- 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.

## GOALS AND OBJECTIVES

### Goals

- Majority of students in the Department of Civil Engineering are members of, and engage in, IGS SVEC Student Chapter.
- Student members develop and apply innovative, state-of-the-art practices and technologies for safe, resilient, and sustainable civil engineering solutions.
- IGS SVEC Student Chapter advances the educational and professional standards for civil engineers.

## INAUGURAL OF IGS SVEC STUDENT CHAPTER

The Department of Civil Engineering of Sree Vidyanikethan Engineering College organized the Inaugural of **Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter** and an **Expert Lecture on “Best Practices in Civil Engineering”** for Civil Engineering students on 22<sup>nd</sup> December, 2018 from 11:00 a.m. to 1:30 p.m.

The resource persons were eminent personalities from the Academia. Dr. G. L. Sivakumar Babu, Professor, Geotechnical Engineering Division, Department of Civil Engineering, Indian Institute of Science, Bangalore; Governor, Region 10 – ASCE; and President, Indian Geotechnical Society, New Delhi was the Chief Guest and Guest Speaker. Dr. K. Nagendra Prasad, Professor, Civil Engineering; Vice-Principal, SVU College of Engineering, Tirupati; and Chairman,

IGS Tirupati Chapter, Dr. Neelima Satyam, Associate Professor, Geotechnical Engineering Division, Department of Civil Engineering, Indian Institute of Technology Indore, Indore and Dr. B. Janaki Ramaiah, Assistant Professor, Department of Civil Engineering, IIT Tirupati, Tirupati were Guests of Honour.

Dr. P.C. Krishnamachary, Principal, SVEC presided over the function. Mr. B. Ravisekhar, Director (Finance and Administration), SVET; Dr. I. Sudarsan Kumar, Director (Quality and Development), SVET; Dr. B. Mohan, Director, SVIM; Dr. O. Eswara Reddy, Faculty Advisor, IGS SVEC Student Chapter, Professor and BOS Chairman, Department of Civil Engineering; Dr. M. V. Subba Reddy, Assistant Professor and Head, Dept. of Civil Engineering graced the occasion.

Dr. O. Eswara Reddy in his welcome address, reiterated the importance of student chapters of professional bodies to act as platforms of inspiration. He emphasized the vision, mission and objectives of IGS SVEC Student Chapter and suggested students to actively participate in the chapter activities. He thanked the institution for giving support to start this chapter.

Dr. P. C. Krishnamachary in his presidential address, emphasized the student development through student chapters and congratulated the department for starting this chapter.

Dr. M. V. Subba Reddy in his address, expressed his happiness in starting another student chapter in addition to ASCE SVEC Student Chapter. He mentioned that it is another milestone of the Department of Civil Engineering.





Chief Guest and Guests of Honour of the Event, interacting with the Principal, SVEC



Lighting the Lamp by Dr. P.C. Krishnamachary, Principal, SVEC



Faculty and Students Listening to the Chief Guest



Chief Guest and Guests of Honour of the Event, looking at Constitution of India in Central Library



Welcome Address by Dr. O. Eswara Reddy, Faculty Advisor, IGS SVEC Student Chapter; Professor and BOS Chairman, Department of Civil Engineering



Address by the Guest of Honour Prof. K. Nagendra Prasad, Professor of Civil Engineering Vice-Principal, SVU College of Engineering, Tirupati; Chairman, IGS Tirupati Chapter



Chief Guest Dr. G. L. Sivakumar Babu and Guest of Honour Dr. B. Janaki Ramaiah, looking at the Titles and Volumes in the Central Library



Dr. M.V. Subba Reddy, HoD, Department of Civil Engineering welcoming the gathering



Dr. Neelima Satyam, Associate Professor, Department of Civil Engineering, IIT Indore, Indore delivering the inaugural address



Lighting the Lamp by Chief Guest Dr. G. L. Sivakumar Babu, Professor, IISc, Bangalore



Dr. P.C. Krishnamachary, Principal, SVEC addressing the participants



Dr. B. Janaki Ramaiah, Assistant Professor, Department of Civil Engineering, IIT Tirupati, addressing the Participants



Lighting the Lamp by Guest of Honour Dr. Neelima Satyam, Associate Professor, IIT Indore



Inaugural Address by Dr. G. L. Sivakumar Babu, Professor, Geotechnical Engineering Division, Department of Civil Engineering, Indian Institute of Science, Bangalore; Governor, Region 10 – ASCE; President, Indian Geotechnical Society, New Delhi.



Dignitaries and Students Listening to the Chief Guest



Lighting the Lamp by Guest of Honour Dr. B. Janaki Ramaiah, Assistant Professor, IIT Tirupati



Dr. I. Sudarsan Kumar, Director (Quality and Development), SVET addressing the Gathering



Dr. G. L. Sivakumar Babu in his Inaugural address, explained about the activities of IGS, New Delhi and benefits for the members of the student chapter. He reinforced the importance and outcomes of active participation in IGS activities. He mentioned the value of Geotechnical Engineering with real time problems and examples.

Dr. K. Nagendra Prasad in his address, appreciated the efforts of the department in general and Dr. O. Eswara Reddy and his team in particular. He reiterated the importance of communication in professional success. He explained how to develop communication skills and felt student chapters would be one of the best platforms.

Dr. Neelima Satyam in her address, focused on the challenges and opportunities in geotechnical engineering and how this forum will help in nurturing the required skills.

Dr. B. Janaki Ramaiah in his address, recalled his experience with the student chapters. He said that discipline, commitment, hard work and communication skills are necessary to achieve one's goals.

Dr. I. Sudarshan Kumar in his address, thanked the Chief Guest and Guests of Honour for sparing their valuable time and appreciated the department for this endeavor.



*Felicitation to the Chief Guest Dr. G L Sivakumar Babu by the Dignitaries*

A total of 245 students and 20 faculty members from the host institution participated in the inaugural ceremony and the subsequent Expert Lecture. Dr. O. Eswara Reddy, Convener, Mrs. G. Gnana Prasanna, Coordinator, Other members of faculty and IGS SVEC Student Chapter officers of Civil Engineering Department were the organizers of this program.

On the whole, the event was proved successful.

## EXPERT LECTURE

Expert Lecture is given by the chief guest Dr. G. L. Sivakumar Babu on Best Practices in Civil Engineering.

Expert Lecture is a way of enriching our students with the latest developments in Civil Engineering by an eminent academician within and beyond curriculum. Students got inspired by the speaker and got enriched with knowledge on latest technologies used in the industry, industry needs, challenges, and opportunities in the field of Civil Engineering in general and Geotechnical Engineering in particular.

In addition, a good interaction took place between the speaker and participants. Further, the Civil Engineering Department had an opportunity to explore the possibilities of collaboration with the speaker with respect to internships and research projects.

Finally the speaker interacted with the students regarding queries from the audience then some students are clarified their doubts and the faculties too.



*Dr. G. L. Siva Kumar Babu, delivering an Expert Lecture on "Best Practices in Civil Engineering"*



*Dr. G.L. Siva Kumar Babu, interacting with the Students*



### “LICENSING FOR CIVIL ENGINEERS - ESSENTIALITY”: Mr. T. Venkatesh Babu

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Guest Lecture on “Licensing for Civil Engineers - Essentiality” under Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter on 28<sup>th</sup> February, 2019 from 2:15 p.m to 3:45 p.m. The objective of the program is to bring eminent engineers on to the campus to share their knowledge and experience with the students in the field of civil engineering. This program is helpful for students to understand the essentiality of licensing in the field of civil engineering.

The resource person was an experienced practicing engineer: Mr. T. Venkatesh Babu, Former President – TAPE Tirupati; Chairman, TAPE Chittoor; Vice President – CREDAI Andhra Pradesh; Consultant - eM Consultancy; Mg Partner – Surabhi Homes Developers. In the program session, the expert shared his rich practical knowledge of the subject with all the participants and enriched them with the concept of “Licensing for Civil Engineers - Essentiality”. A total of 225 students and 18 faculty members from the host institution were participated in the program.

Dr. O. Eswara Reddy, Professor and BOS Chairman, Department of Civil Engineering, Sree Vidyanikethan Engineering College; Faculty Advisor, IGS SVEC Student Chapter; Convener of the Event, Dr. D. Sreenivasulu, Associate Professor and Head, Department of Civil Engineering; Mrs. G. Gnana Prasanna, Assistant Professor, Department of Civil Engineering; Coordinator, IGS SVEC Student Chapter; Coordinator of the Event graced the occasion. Office bearers of IGS SVEC Student Chapter were the organizers of this program.

On the whole, the event was proved successful. Guest Lecture is a way of enriching students with the latest developments in civil engineering by an eminent Practicing Engineer within and beyond curriculum. Students got inspired by the speaker and got enriched with knowledge on importance, methods, procedure and issuing authorities of license for civil engineers in the field of Civil Engineering. In addition, a good interaction took place between the speaker and participants. Further, the Civil Engineering Department had an opportunity to explore the possibilities of collaboration with the speaker with respect to internships and consultancy.



Mr. T. Venkatesh Babu delivering the Guest Lecture on “Licensing for Civil Engineers – Essentiality”.



Mr. T. Venkatesh Babu interacting with the Students



Dr. O. Eswara Reddy concluding the Session by proposing Vote of Thanks to the Guest

## GROUP DISCUSSION



“Group Discussion” organized by IGS SVEC Student Chapter.

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Group Discussion on “Current Trends and Happenings” under Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter on 10<sup>th</sup> April, 2019 from 9:00 a.m to 10:30 a.m. in Civil Engineering Seminar Hall. The main objective of the program is to create awareness among the students about the current trends and the things happening around the world. This program is helpful for students to develop the oratory skills, interpersonal skills and leadership skills.

A total 20 students of 4 teams from II and III B.Tech. II Semester CE has participated in the event. The students participated in the event were with zeal and enthusiasm throughout the event. Group Discussion went on various topics namely "Ban of Plastics - Impacts and Alternatives; Reservation System of India;

Technology and Environment; and Importance of Vote & Individual Responsibility". Dr. O. Eswara Reddy, Convener & Mrs. G. Gnana Prasanna, Coordinator together judged the teams on different criteria such as knowledge on the given topic, communication skills, attitude, interpersonal skills and body language.

Dr. O. Eswara Reddy, Professor and BOS Chairman, Department of Civil Engineering, Sree Vidyanikethan Engineering College; Faculty Advisor, IGS SVEC Student Chapter; Convener of the Event; Mrs. G. Gnana Prasanna, Assistant Professor, Department of Civil Engineering; Coordinator, IGS SVEC Student Chapter; Coordinator of the Event graced the occasion. Office bearers of IGS SVEC Student Chapter were the organizers of this program.

On the whole, the event has proved successful. The First Prizes for the topics “Reservation System in India”, “Importance of Vote and Individual Responsibility”, “Ban of Plastics – Impacts and Alternatives” and “Technology and Environment” are won by Mr. A. Hari Kiran (16121A0101) of III B.Tech II Semester, Mr. A. Venkata Yeswanth Reddy (17121A0104) of II B.Tech II Semester, Mr. K. Sai Teja (16121A0142)

of III B.Tech II Semester and Mr. R. Harsha Vardhan (18125A0116) of II B.Tech II Semester respectively. The appreciation certificates and participation certificates were distributed to all the winners and all other participants by Dr. O. Eswara Reddy, Faculty Advisor, IGS SVEC Student Chapter. Group Discussion is a way of enriching students with the leadership ability, creative thinking, listening and articulation skills, situational handling ability, interpersonal ability to function as a team player. Further, it is believed that this event has ignited the young minds to learn and participate in any event.



Mrs. G. Gnana Prasanna, Coordinator explaining the Rules of the Group Discussion



Group Discussion on “Reservation System of India”





*Group Discussion on "Importance of Vote and Individual Responsibility"*



*Dr. O. Eswara Reddy distributing Appreciation Certificate and Prize to Mr. K. Sai Teja of III B.Tech II Semester CE for the topic on "Ban of Plastics – Impacts and Alternatives"*



*Dr. O. Eswara Reddy distributing participation Certificate to the participant of the Event*



*Dr. O. Eswara Reddy distributing Appreciation Certificate and Prize to Mr. A. Hari Kiran of III B.Tech II Semester CE for the topic on "Reservation System in India"*



*Dr. O. Eswara Reddy distributing Appreciation Certificate and Prize to Mr. A. Venkata Yeswanth Reddy of II B.Tech. II Semester CE for the topic on "Importance of Vote and Individual Responsibility"*



*Dr. O. Eswara Reddy distributing participation Certificate to the participant of the Event*



*Dr. O. Eswara Reddy distributing Appreciation Certificate and Prize to Mr. R. Harsha Vardhan of II B.Tech. II Semester CE for the topic on "Technology and Environment"*



*Participants with Faculty Advisor and Coordinator of IGS SVEC Student Chapter*



*Dr. O. Eswara Reddy congratulating the Students participated in the Event*

## TECHNICAL & GENERAL QUIZ



*"General and Technical Quiz" organized by IGS SVEC Student Chapter*

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a "Technical and General Quiz Competition" under **Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter** on 20<sup>th</sup> July, 2019 from 11:30 A.M to 1:30 P.M. in Civil Engineering Seminar Hall. The main objective of the program is to create enthusiasm to learn general knowledge and current affairs and thereby to develop an attitude to win and boost confidence among participants.

A total 59 students of 10 teams from II, III and IV B.Tech. I Semester have participated in the event. The students participated in the event were with zeal and enthusiasm throughout the event. Quiz went on various topics namely "Picture Quiz, Logo Quiz, Quiz on General and Technical Knowledge and Rapid-fire Questions on Geotechnical Engineering". Dr. O. Eswara Reddy, Convener and Mrs. G. Gnana Prasanna,

Coordinator together judged the teams on different criteria such as knowledge on current affairs, general and technical aspects.

Dr. O. Eswara Reddy, Professor, Head and BOS Chairman, Department of Civil Engineering, Sree Vidyanikethan Engineering College; Faculty Advisor, IGS SVEC Student Chapter; Convener of the Event; Mrs. G. Gnana Prasanna, Assistant Professor, Department of Civil Engineering; Coordinator, IGS SVEC Student Chapter; Coordinator of the Event graced the occasion. Office bearers of IGS SVEC Student Chapter were the organizers of this program.



*Students gathered for General and Technical Quiz*

On the whole, the event has proved successful. The First Prize is won by Group - I (Mr. B. Rajesh Naik, Mr. C. Naveen Kumar, Mr. G. Hareesh of IV B.Tech. CE;

Mr. C. Sai Sree Harsha, Mr. B. Sandeep Naik of III B.Tech. CE; and Ms. G. Sindhu of II B.Tech. CE) and Second Prize is won by Group - VIII (Mr. K. Samba Sivudu, Mr. N. Mallikarjuna of IV B.Tech. CE; Mr. A.Venkata Yeswanth Reddy, Mr. B. Manoj Kumar, Mr. I. Venkata Tejeswara Reddy of III B.Tech. CE; Mr. K. Sai Charan of II B.Tech. CE). The appreciation certificates and participation certificates were distributed to all the winners and all other participants by Dr. O. Eswara Reddy. Quiz is a way of enriching students with the current affairs, general and technical knowledge. It also motivates students to think out-of-the-box and promotes curiosity, competitive spirit among them. Quiz competitions even help to build the students' soft skills. Further, it is believed that this event has ignited the young minds to learn and participate in any event.



*Participants during Quiz*





*Dr. O. Eswara Reddy distributing Appreciation Certificates and Prizes to Winners (Group-I)*



*Dr. O. Eswara Reddy distributing Participation Certificates to Group IV*



*Dr. O. Eswara Reddy distributing Participation Certificates to Group VII*



*Dr. O. Eswara Reddy distributing Appreciation Certificates and Prizes to Runners (Group VIII)*



*Dr. O. Eswara Reddy distributing Participation Certificates to Group V*



*Dr. O. Eswara Reddy distributing Participation Certificates to Group IX*



*Dr. O. Eswara Reddy distributing Participation Certificates to Group II*



*Dr. O. Eswara Reddy distributing Participation Certificates to Group VI*



*Dr. O. Eswara Reddy distributing Participation Certificates to Group X*



*Dr. O. Eswara Reddy distributing Participation Certificates to Group III*



*Dr. O. Eswara Reddy and Mrs. G. Gnana Prasanna addressing and congratulating the participants*



*Dr. O. Eswara Reddy inspiring the students to participate in the activities of other IGS Student Chapters*



*Participants with Faculty Advisor and Coordinator of IGS SVEC Student Chapter*



The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a **"Field Visit to Narasingapuram Railway Over Bridge (RoB) Construction Site"** under **Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter** on 3<sup>rd</sup> August, 2019 from 10:30 A.M to 1:30 P.M. The main objective of the program is to impart practical knowledge on the construction of bridges and Geosynthetics reinforced earth structures.

A total of 100 students from IV B.Tech. I Semester, 11 No. of faculty members and 3 No. of Lab Technicians have participated in the field visit. The students were with zeal and enthusiasm throughout the field visit. Dr. O. Eswara Reddy, Professor, Head and BOS Chairman, Faculty Advisor, IGS SVEC Student Chapter; Mrs. G. Gnana Prasanna, Assistant Professor, Coordinator, IGS SVEC Student Chapter; Mr. B Hari Krishna, Asst. Prof.; Mr. D. V. Purushotham, Asst. Prof.; Mr. M.P. Charan Sai, Asst. Prof.; Ms. G. Naga Siresha, Asst. Prof.; Ms. N. Swetha, Asst. Prof.; Ms. G. Renuka Sai, Asst. Prof.; Mr. Vinoth Kumar S, Asst. Prof.; Mr. M. Venkata Kamal Lal, Asst. Prof.; Mr. K. Narendra Kumar, Asst. Prof.; Mr. G. Ramesh, Lab Technician; Mr. M. Roopesh, Lab Technician.; Mr. N. Manohar, Lab Technician; and Office bearers of IGS SVEC Student Chapter were

part of the program.

Mr. P. Suman, Project Manager, M/s Krishi Infratech, Bangalore, explained the details of plan of bridge, bridge elements, underpass, reinforced earth wall, geogrid specification, placing of geogrid reinforcement and construction practice followed in the construction. Dr. O. Eswara Reddy explained about the Geogrid Reinforced Earth Structure,



*Mr. P. Suman showing the Details of the Plan of the Reinforced Earth Design and Bridge Components Design.*



*Dr. O. Eswara Reddy explaining about the Concept of Reinforced Earth Design*

Mr. D. V. Purushotham explained about the Bridge Components: Piers, Box Culverts, Deck slabs etc., construction and their functions. Other faculty members clarified doubts expressed by the students.



*Construction of Geogrid Reinforced Earth*



*Mr. D. V. Purushotham explaining about the Components of Bridge and its Design*



*Students at the Construction Site*



*Reinforcement for Box Culvert*



*Students and Faculty at Construction Site*

Field Visit helps students to experience and learn about construction site environment and to develop analyzing the theoretical knowledge with the practical conditions.



*Dr. O. Eswara Reddy explaining about the drawing details of the structure*

Finally, Dr. O. Eswara Reddy concluded the visit by briefing the importance of construction of Railway Over Bridge giving the details of bridge design and reinforced earth design. And also, he interacted with the students to know about their understanding and awareness they had acquired during the field visit. The purpose of field visit is fulfilled and all the participated students were benefited.



*Construction Equipment at the Site*



*Mr. M. P. Charan Sai, Assistant Professor clarifying Doubts of the Students*



*Railway Over Bridge Construction at Narasingapuram*



*Mr. D. V. Purushotham explaining about the Flyover*



*Student explaining about the construction procedure of Flyover*



## OUTREACH ACTIVITY

The Department of Civil Engineering, Sree Vidyanikethan Engineering College, A. Rangampet have conducted an awareness program on soil pollution and its remedies in the name of "Save the Mother Earth by Avoiding Soil Pollution", under Indian Geotechnical Society SVEC Student Chapter at Kuchivaripalli Village, Chandagiri Mandal on 4<sup>th</sup> October 2019, from 2.30 pm to 5 pm.



*Dr. O. Eswara Reddy, Chief Guest explaining about "Soil Pollution - Causes, Effects and its Remedial Measures"*

Chief Guest, Dr. O. Eswara Reddy, Faculty Advisor, IGS SVEC Student Chapter; Professor, Head and BOS Chairman, Department of Civil Engineering explained about the soil pollution problems, causes and its remedial measures. Further, he emphasized how concrete pavements, chemical fertilizers and cutting of trees in the village will cause the depletion of groundwater and soil health. The polluted soils will yield agriculture production which is highly health hazardous. He discussed about various ways and means to avoid soil pollution to save the mother earth. Faculty and students from the college interacted with the villagers and explained

them to ban chemical fertilizers, single use plastic items, improper drainage disposal, industrial waste and explained about various methods of organic farming through posters and pamphlets.



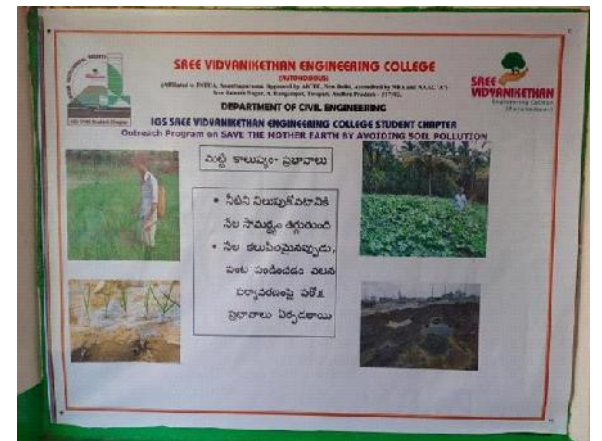
*Villagers of Kuchivaripalli and Students of Civil Engineering Department, SVEC*

A total of 15 No. of IGS SVEC Student Members, 5 No. of Faculty and 4 No. of Lab Technicians along with 20 No. of Villagers have participated in the program.



*Faculty distributing the Pamphlets to Villagers*

The event was attended by village elders Mr. R. Jayaram Vadiyar, Mr. P. Aadikesava Naidu, Ms.S. Kamallamma, Ms. P. Reddemma, Mr. M. Venkata Subba Naidu and other villagers. Mrs. G. Gnana Prasanna, Assistant Professor, Mr. M. Tharun Kumar, Assistant Professor and IGS SVEC Office Bearers were the coordinators of the program.



*Posters explaining Causes, Effects and Solutions of Soil Pollution*



*Group Photo of Faculty and Students of SVEC with the Villagers of Kuchivaripalli*

On the whole, the event has proved successful. Activities like this help students to develop skills, establish contacts, and allowing them to improve the quality of life of others. The students will develop an attitude of giving something to society. Also, it creates realization in the budding engineers to innovate and work for society.

## GEOTECHNICAL FIESTA 2K19



*Ms. S. Thasneem, IGS Student Member hosting the Event*



*Ms. T. Mounika, IGS Student Member welcoming the Chief Guest of the Fest*

The Department of Civil Engineering of Sree Vidyanikethan Engineering College organized a two day national fest called "Geotechnical Fiesta 2k19" under Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter during 14<sup>th</sup> - 15<sup>th</sup> October 2019.

**Dr. K. Nagendra Prasad, Professor of Civil Engineering; Vice-Principal, SVU College of Engineering; and Chairman, IGS Tirupati Chapter** was the **Chief Guest** and **inaugurated the Fest**. Dr. O. Eswara Reddy, Faculty Advisor, IGS SVEC Student Chapter, Professor, Head and BOS Chairman, Department of Civil Engineering; Mrs. G. Gnana Prasanna, Coordinator, IGS SVEC Student Chapter; Assistant Professor, Dept. of Civil Engineering graced the occasion.

Dr. O. Eswara Reddy in his welcome address expressed his pleasure in starting the fest which is first of its kind among the IGS Student Chapters at national level. He thanked

the chief guest for inaugurating the function and the institute for giving support to start the Fest. He explained about the events that are conducted during two day fest and encouraged students to actively participate in all the activities. Further, he emphasized that this type of events will provide a platform for peer learning and inspiration.

Dr. K. Nagendra Prasad in his address appreciated the efforts of the department in general and Dr. O. Eswara Reddy and his team in particular. He reiterated the importance of communication skills and knowledge on the subject to elevate a person to greater heights in their profession. He explained how to develop communication skills and felt fests like this would be one of the best platforms.

The fest includes Paper Presentation, Poster Presentation, Technical/General Quiz, Geotechnical Challenges-Spontaneous Solutions, Geotechnical



Photo Contest, Cricket, Chess, Throw Ball, Tug of War, Treasure Hunt and Solo/Group Dance conducted in the fest. Students from host institute and from various colleges were actively participated in all the events with zeal and enthusiasm.

The fest was completed by distributing the certificates and prizes to all the winners and the participants of all the events. All the participants expressed their happiness in participating in the events.

A total of 230 students from the host institution and other institutions participated in the fest. Dr. O. Eswara Reddy, Convener; Mrs. G. Gnana Prasanna, Coordinator; Mr. M. Tharun Kumar, Co-Coordinator; Other members of faculty and IGS SVEC Student Chapter Officer Bearers of Civil Engineering Department were the organizers of this program.

On the whole, the event was proved successful. The fest extracts hidden talent from the students and imparts leadership skills, communications skills and creates awareness on latest developments in the technology. It also provides opportunity to interact with your peers and form new connections.



*Dr. O. Eswara Reddy, Faculty Advisor IGS SVEC Student Chapter addressing the Gathering*



*Student Participants in Paper Presentation Competition*



*Felicitation to the Chief Guest*



*Participation of Students in Chess Competition*



*Dr. O. Eswara Reddy, Faculty Advisor, IGS SVEC Student Chapter, Dr. K. Nagendra Prasad, Chief Guest and Mrs G. Gnana Prasanna, Coordinator, IGS SVEC Student Chapter in the Inaugural Function of the Fest*



*Dr. K. Nagendra Prasad, Chief Guest addressing the Gathering*



*Student Participants in Chess Competition*



*Vote of Thanks by Ms. D. Pragathi, IGS Student Member*



*Winners of chess competition*



*Dr. K. Nagendra Prasad, Chief Guest Lighting the Lamp*



*Dr. K. Nagendra Prasad, Chief Guest addressing the Gathering*



*Students Listening to the Chief Guest*



*Dr. P.C. Krishnamachry, Principal, SVEC wishing the Cricket Teams*



*Dr. P.C. Krishnamachry, Principal, SVEC and Dr. O. Eswara Reddy, Faculty Advisor, IGS SVEC Student Chapter greeting the Captains of the Cricket Teams*



*Principal, SVEC tossing the coin*



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### FACULTY ADVISOR



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