

IGS SREE VIDYANIKETHAN ENGINEERING COLLEGE STUDENT CHAPTER



IGS SVEC NEWS

ISSUE 02,
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Contents

About IGS

IGS SVEC Student Chapter

Editor's Voice

Vision and Mission

Goals and Objectives

Distinguished Lecture

Expert Lecture

Online Group Discussion

A Two Day National Level
Online Workshop

Guest Lecture

Faculty Advisor of IGS SVEC
Student Chapter

Office Bearers

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 13th ICSMGE in the year

1994 at New Delhi. It also 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 22nd 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 two-year period of establishment of IGS SVEC. The chapter held 06 events in this 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, 2nd 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.

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

Editorial Team Members:

Mr. T. Kowshik Kumar, IV B.Tech, **Mr. G. L. Prashanth Reddy,** 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.

- IGS 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

- 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.

DISTINGUISHED LECTURE

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Distinguished Lecture on “**Sustainable Engineering - Challenges and Applications**” with a prelude on “**Tomorrow’s Professor - A Talent Mix of Teaching, Innovation and Networking**” under “**IGS Sree Vidyanikethan Engineering College Student Chapter**” on **02nd January 2020** from 11:00 A.M to 01:00 P.M. for the benefit of all Faculty of Engineering.

The Speaker is an eminent person from the Academia. **Dr. Krishna R. Reddy**, University Scholar & Distinguished Researcher; Professor of Civil & Environmental Engineering; Director, Sustainable Engineering Research Laboratory; Director, Geotechnical & Geoenvironmental Engineering Laboratory, Department of Civil & Materials Engineering, University of Illinois, Chicago, USA.

A total of 200 faculty members from the host institution participated in the event. Dr. P. C. Krishnamachary, Principal, SVEC; Dr. N. Gurunatha Naidu, Principal, SVDC; Mr. T. Venkatesh Babu, Past President, TAPE, Tirupati;

Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC and Faculty Advisor-IGS SVEC Student Chapter; Mr. M. Tharun Kumar, Assistant Professor and Coordinator-IGS SVEC graced the occasion. Office bearers of IGS SVEC Student Chapter were the organizers of this program. On the whole, the event was proved successful.

Prof. Reddy explained the importance, principles and applications of Sustainable Engineering, in detail. Further, he emphasized on how sustainable engineering principles can be applied to a project and the corresponding effect. He suggested offering an open elective course on “Sustainable Engineering”. Lecture has inspired the faculty members to think over the concept of Sustainable Engineering and to implement their thoughts for the protection of Environment and for societal development. In his prelude, he discussed about the qualities of tomorrow’s professor to inspire faculty tomorrow’s professor to inspire faculty members to adopt new teaching and

Learning techniques for the benefit of the students, which can bring innovative thoughts in the minds of students. In addition, he elaborated the need of research, innovation and networking for any professor to be successful. In addition, a good interaction took place between the speaker and participants.

Faculty members of civil engineering had an interaction with the professor in connection with teaching, research and consultancy in the field of civil engineering. He emphasized the importance industrial experience for faculty members. Also, the student office bearers of ASCE SVEC and IGS SVEC student chapters of Civil Engineering Department had an opportunity to interact with the resource person. He visited different labs of Civil Engineering and appreciated. Further, the Civil Engineering Department had an opportunity to explore the possibilities of Signing Memorandum of Understanding (MoU) with the University of Illinois, Chicago, USA.



Dr. Krishna R. Reddy interacting with the Dr. P. C. Krishnamachary, Principal, SVEC and Dr. O. Eswara Reddy, BOS Chairman and HOD, Department of Civil Engineering



Dr. Krishna R. Reddy interacting with the Faculty Members, Department of CE



Dr. Krishna R. Reddy at CAD Lab, Department of CE



Dr. Krishna R. Reddy visiting Central Library



Dr. Krishna R. Reddy at Engineering Geology Lab, Department of CE



Dr. Krishna R. Reddy at Strength of Materials Lab, Department of CE



Dr. Krishna R. Reddy looking at the Titles and Volumes in the Central Library



Dr. Krishna R. Reddy at Geotechnical Engineering Lab, Department of CE



Dr. Krishna R. Reddy at Concrete Lab, Department of CE



Dr. Krishna R. Reddy at Art Gallery, Central Library



Dr. Krishna R. Reddy interacting with the Faculty Members at Dasari Auditorium



Dr. Krishna R. Reddy at Building Materials and Construction Technology Lab, Department of CE



Dr. Krishna R. Reddy interacting with the Office Bearers of ASCE and IGS



Greeting the Chief Guest Dr. Krishna R. Reddy, Ms. G. Renuka Sai, Assistant Professor, Department of CE



Introduction of the Chief Guest Dr. Krishna R. Reddy by Ms. N. Swetha, Assistant Professor, Department of CE



Feedback by Dr. Krishna R. Reddy at Central Library



Dr. Krishna R. Reddy delivering the Distinguished Lecture on "Sustainable Engineering - Challenges and Applications" with a Prelude on "Tomorrow's Professor - A Talent Mix of Teaching, Innovation and Networking"





Dr. Krishna R. Reddy answering the Queries



Felicitation to the Speaker Dr. Krishna R. Reddy by the Dignitaries

EXPERT LECTURE

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Expert Lecture on “**Raft Foundation of Barrage Structures – Design and Construction Aspects**” under “**IGS Sree Vidyanikethan Engineering College Student Chapter**” on **25th January 2020** from 11:00 A.M to 01:00 P.M. for the benefit of all Civil Engineering students.

The Speaker is an eminent person from the Academia, **Dr. B. Umashankar**, Associate Professor, Department of Civil Engineering, Indian Institute of Technology Hyderabad, Hyderabad.

A total of 350 students and 18 faculty members from Department of Civil Engineering participated in the event. Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC and Faculty Advisor-IGS SVEC Student Chapter; Mr. M. Tharun Kumar, Assistant Professor and Coordinator-IGS SVEC graced the occasion. Office bearers of IGS SVEC Student Chapter were the organizers of this program. On the whole, the event was proved successful.

Dr. B. Umashankar explained the importance, principles and applications of Raft Foundation of Barrage Structures in practice and the design challenges in a project. A case study on Kaleshwaram Lift Irrigation Project by the speaker helped the students to understand the practical challenges in a project. In addition, a good interaction took place between the speaker and participants.

The student office bearers of ASCE SVEC and IGS SVEC student chapters of Civil Engineering Department had an opportunity to interact with the resource person. He visited different labs of Civil Engineering and appreciated. Further, the Civil Engineering Department had an opportunity to explore the possibilities of Signing Memorandum of Understanding (MoU) with the Indian Institute of Technology Hyderabad.



Dr. B. Umashankar interacting with Dr. P. C. Krishnamachary, Principal and Dr. O. Eswara Reddy, BOS Chairman and HOD, Department of CE



Dr. B. Umashankar visiting Central Library



Dr. B. Umashankar looking at the Titles and Volumes in the Central Library



Dr. B. Umashankar at Art Gallery, Central Library



Dr. B. Umashankar at Engineering Geology Lab, Department of CE



Dr. B. Umashankar at CAD Lab, Department of CE



Dr. B. Umashankar at Strength of Materials Lab, Department of CE



Dr. B. Umashankar at Concrete Lab, Department of CE



Dr. B. Umashankar at Geotechnical Engineering Lab, Department of CE



Dr. B. Umashankar at Fluid Mechanics and Hydraulic Machinery Lab, Department of CE



Dr. B. Umashankar interacting with the Faculty Members at Dasari Auditorium



Dr. B. Umashankar delivering the Expert Lecture on "Raft Foundation of Barrage Structures – Design and Construction Aspects"



Greeting the Chief Guest Dr. B. Umashankar by Ms. Roopa, D. S., Social Activities Committee Head – IGS SVEC Student Chapter



Dr. B. Umashankar answering the Queries



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



Felicitation to the Speaker Dr. B. Umashankar by the Dignitaries



Dr. B. Umashankar interacting with the Students

EXPERT LECTURE

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an Expert Lecture on **"Sustainable Utilization of Scrap Tire Derived Geomaterials for Civil Engineering Applications"** under **"IGS Sree Vidyanikethan Engineering College Student Chapter"** on **21st May 2020** from

11:00 A.M to 01:00 P.M. for the benefit of all Civil Engineering Students and Faculty.

The resource person was an eminent personality from the Academia: **Prof. A. Murali Krishna**, Associate Dean, Planning & Infrastructure, Department of Civil and Environmental Engineering, Indian Institute of Technology Tirupati, Tirupati.

The program session was conducted online through **Microsoft Teams Platform**. Expert shared his rich knowledge of the subject with all the participants and enriched them with the concept of Sustainable Utilization of Scrap Tire Derived Geomaterials for Civil Engineering Applications. A total of 120 students and 18 faculty members from the host institution were participated in the program.

Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC and Faculty Advisor-IGS SVEC Student Chapter; Mr. M. Tharun Kumar, Assistant Professor and Coordinator-IGS SVEC graced the occasion. Office bearers of IGS SVEC Student Chapter were the organizers of this program. On the whole, the event was proved successful.

SREE VIDYANIKETHAN ENGINEERING COLLEGE
(Autonomous)
Sree Sainath Nagar, Tirupati - 517102
(Affiliated to JNTUA Anantapuramu, Approved by AICTE, Accredited by NBA; NAAC with 'A' Grade)

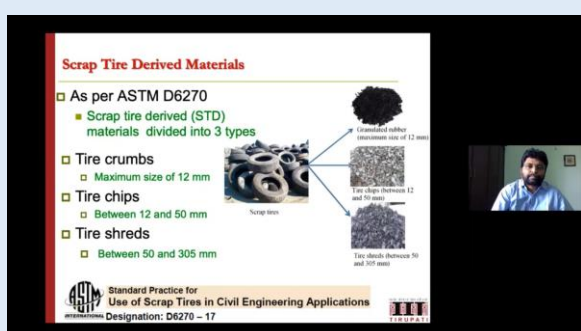
An Expert Lecture on
Sustainable Utilization of Scrap Tire Derived Geomaterials for Civil Engineering Applications
Organized By
IGS SVEC STUDENT CHAPTER

Date: 21st May 2020, Time: 11:00 AM – 1:00 P.M

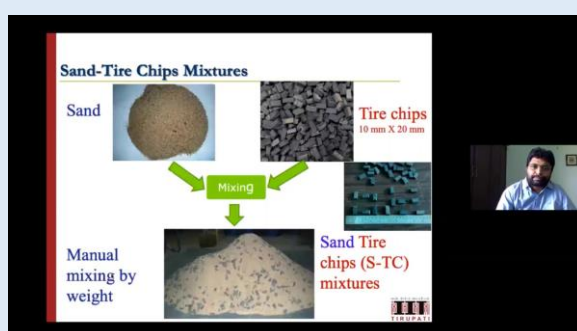
Platform
Microsoft Teams
<https://rebrand.ly/sustainable-use-of-scrap-tire-derived-geomaterials>

Resource Person
Prof. A. Murali Krishna
Associate Dean, Planning & Infrastructure
Professor (Geotechnical Engineering)
Department of Civil and Environmental Engineering
Indian Institute of Technology Tirupati

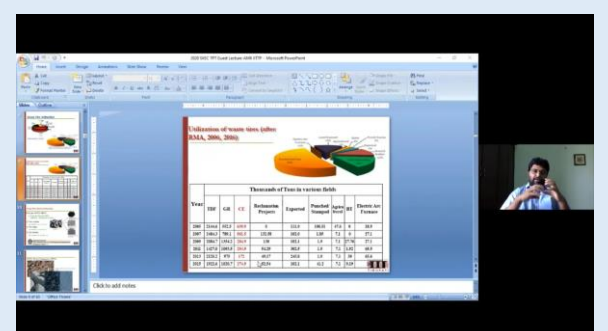
Flyer of the Event



Prof. A. Murali Krishna delivering the Expert Lecture on "Sustainable Utilization of Scrap Tire Derived Geomaterials for Civil Engineering Applications"



Prof. A. Murali Krishna explaining about Sand-Tire Chips Mixtures



Prof. A. Murali Krishna during the Q & A Session

ONLINE GROUP DISCUSSION

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized an event **Online Group Discussion** under **Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter** on **30th July 2020** through zoom platform. The main objective of the program is to improve the oratory skills, interpersonal skills and leadership skills of the students.

A total of 20 students from II, III and IV B.Tech. I Semester CE have participated in the event. The students participated in the event were with a great zeal and enthusiasm throughout the event. Group Discussion went on various topics namely “Caste-based reservation must be replaced with economic status and education of parents”; “Instead of bullet trains, investment in existing Indian railway infrastructure can spur economic growth in India and also benefit the global economy”; “Whatsapp, Facebook,

and Snapchat are killing creativity”; “Diesel vehicles should be banned in Indian cities”; “Mental illness is more commonplace in urban India, as compared to rural India”. Mr. M. Tharun Kumar, Coordinator and Mrs. P. Lakshmi Teja, Assistant Professor together judged the teams on different criteria such as knowledge on the given topic, communication skills, attitude, interpersonal skills.

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; Mr. M. Tharun Kumar, 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 Prizes are won by Mr. N. Rajesh (17121A0164) of IV B.Tech. CE I-Semester (First Prize); Mr. B. Sandeep Naik (18125A0103) of IV B.Tech. CE I-Semester & Mr. Himanshu Yadav (18121A01A8) of III B.Tech. CE I-Semester (Second Prize); Mr. Sai Teja Mattam (18125A0121) of IV B.Tech. CE I-Semester & Mr. Thallika Venukumar (19125A0126) of III B.Tech. CE I-Semester (Third Prize) respectively. The appreciation certificates and participation certificates were distributed to all the winners and all other participants. Group Discussion is a way of enriching students with the leadership ability, creativity/out-of-the-box 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.

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IGS Sree Vidyanikethan Engineering College Student Chapter
Department of Civil Engineering

Online GROUP DISCUSSION

Eligibility:
All the students of B.Tech Civil Engineering from SVEC are eligible to participate in the event

E-Certificates will be provided to all the participants and prize winners

Last Date of Registration: **28-07-2020**
Register @ <https://forms.gle/ZXYuRkNpxF3cPE8>

Event Platform
zoom
July 30, 2020

Chief Patrons: Dr. M. Mohan Babu (Chairman, SVET), Sri. Vishnu Manchu (CEO, SVET)

Patron: Dr. P. C. Krishnamachary (Principal, SVEC)

Convener: Professor, HoD and BOS Chairman & Faculty Advisor, IGS SVEC Student Chapter

Coordinator: Mr. M. Tharun Kumar (Coordinator, IGS SVEC Student Chapter)

Flyer for the Event: Online Group Discussion

Opening Remarks by Dr. O. Eswara Reddy, Professor, Head and BOS Chairman;

Instruction of Rules to Students by Mr. M. Tharun Kumar, Coordinator, IGS SVEC Student Chapter

Participation of Students in the Event on Zoom Platform Faculty Advisor, IGS SVEC Student Chapter

A TWO DAY NATIONAL LEVEL ONLINE WORKSHOP

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized A Two Day National Level Online Workshop on “**Technological Advancements in Geotechnical Engineering Practice with Geosynthetics (TAGEPG)**” under **IGS Sree Vidyanikethan Engineering College Student Chapter** during **25-26 September, 2020** for the benefit of all Civil Engineering Students and Faculty.

The resource persons were from the Industry and Alumni of Sree Vidyanikethan Engineering College: **Ms. Padmaja Gurram**, Engineer, Strategic Projects & Strategic Initiatives – ISEAP, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India; **Mr. K. Deeraj Kumar Reddy**, Sr. Manager – Pavements, Techfab India Industries Ltd., Hyderabad; **Mr. P. S. Harshit**, Sr. Design Engineer - Vertical Wall Technical Unit, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India; **Mr. P. Narendra Kumar Reddy**, Sr. Engineer, Business Unit – South, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India.

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Indian Geotechnical Society Sree Vidyanikethan Engineering College
Student Chapter

A Two Day National Level Online Workshop on
Technological Advancements in Geotechnical Engineering Practice with Geosynthetics
Organized by
Department of Civil Engineering

Date: 25-26 September, 2020
Registration Link: <https://tinyurl.com/y485smgc>
No Registration Fee
Certificate will be issued for all active participants

Program Outline:
- Applications and Case Studies of Geosynthetics in Road Pavement
- Flexible Solutions for the Problems of Hilly Terrains
- Reinforced Soil Wall System
- Reinforced Soil Wall and Slope Facia Systems with Gabion Facia and their Advantages.

Event Platform:
PHMD - 638 234 9773
Passcode - 323444
YouTube Links are Provided in the Program Schedule

Resource Persons:
Mr. K. Deeraj Kumar Reddy (Sr. Manager - Pavements, Techfab India Industries Ltd., Hyderabad)
Ms. Padmaja Gurram (Engineer, Strategic Projects & Strategic Initiatives - ISEAP, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India)
Mr. P. S. Harshit (Sr. Design Engineer - Vertical Wall Technical Unit, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India)
Mr. P. Narendra Kumar Reddy (Sr. Engineer, Business Unit - South, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India)

Chief Patrons: Dr. M. Mohan Babu (Chairman, SVET), Sri. Vishnu Manchu (CEO, SVET)

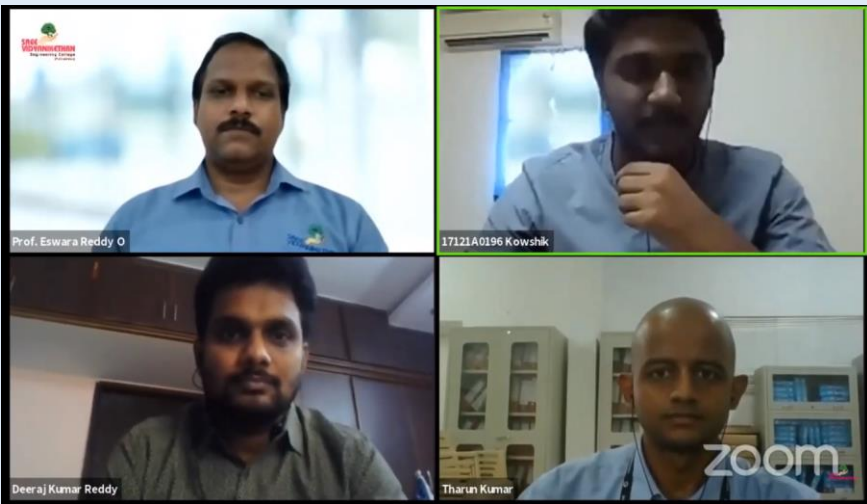
Patron: Dr. P. C. Krishnamachary (Principal, SVEC)

Convener: Dr. O. Eswara Reddy (Professor, HoD and BOS Chairman & Faculty Advisor, IGS SVEC Student Chapter)

Coordinator: Mr. M. Tharun Kumar (Coordinator, IGS SVEC Student Chapter)

Organizing Committee:
Mr. T. Koushik Kumar - President
Mr. G. S. Ramesh Babu - Vice President
Mr. T. Manika - Secretary
Mr. S. S. Ananthi Suga - Treasurer
Mr. Ramesh D. S. - Social Activities Committee
Mr. R. Lakshmi Prasad - Membership Committee
Mr. S. R. Anandkumar - Publicity Committee
Mr. T. Venkatesh Prasad - Fund Raising Committee
Mr. T. P. Hemalatha - Community Service Committee

Flyer of the Event



Welcome Address by Mr. T. Kowshik Kumar, President– IGS SVEC Student Chapter

The program session was conducted online through Zoom Platform and the same was live on YouTube. All the Speakers shared their rich knowledge of the subject with all the participants and enriched them with the concepts of

- Applications and Case Studies of Geosynthetics in Road Pavement
- Flexible Solutions for the Problems of Hilly Terrains
- Reinforced Soil Wall System
- Reinforced Soil Wall and Slope Facia Systems with Gabion Facia and their Advantages

Also, they shared their practical experience faced during field executions and their insights on career opportunities in the field of geotechnical engineering. A total of 202 students and 59 faculty and professional engineers from industry and academia across the country were participated in the program.

Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC; Faculty Advisor-IGS SVEC Student Chapter; Convener of the Event; Mr. M. Tharun Kumar, Assistant Professor; Coordinator-IGS SVEC Student Chapter and 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.



Opening Remarks by Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC; Faculty Advisor-IGS SVEC Student Chapter




Mr. K. Deeraj Kumar Reddy
Sr. Manager – Pavements
Techfab India Industries Ltd.
Hyderabad

Mr. Deeraj Kumar Reddy, a highly skilled civil engineer having experience with technical and commercial knowledge on Retaining structures, Geosynthetics and hydraulic structures. He was graduated from Sree Vidyanikethan Engineering College, Tirupati in Civil Engineering.

Mr. Deeraj Kumar Reddy worked as Sr. Manager in several projects in private limited industries including Techfab India Industries Ltd. and Maccaferri Environmental Solutions Pvt. Ltd. He held so many key responsibilities as Sr. Manager in many projects involving design and marketing activities for Geosynthetic Applications in Road Pavements, Development of standard design and marketing tools for the pavement applications and so on. The key projects involved by Deeraj Kumar Reddy are Amaravati Pavement Stabilization Works, Missing link Project in Gujarat, Uttarakhand Landslide Rehabilitation Works, Valmiki Nagar Riverfront Development Works.

Mr. Deeraj Kumar Reddy has Experience in geotechnical and environmental solutions using Geosynthetic material with applications in Pavement Stabilization, Gabion Retaining walls, Flood control works, reinforced soil walls/slopes, erosion control, and coastal protection works. He had vast Knowledge on various geosynthetics, woven steel wire products and their applications. He also well familiar with IRC, IS, BS, ASTM and Euro Codes for flood control and retention works. He was more Successful at anticipating future problems and implementing creative solutions and also effective in managing large diverse teams on variety of projects.

Introduction of the Speaker, Mr. K. Deeraj Kumar Reddy by Ms. T. Hemalatha, Community Service Committee Head–IGS SVEC Student Chapter



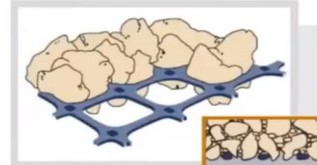
Ms. Padmaja Gurram
Engineer, Strategic Projects & Strategic Initiatives – ISEAP
Maccaferri Environmental Solutions Pvt. Ltd.
Gurgaon, India

Ms. Padmaja Gurram is currently working as an Engineer at Maccaferri Environmental Solutions Pvt. Ltd, India, Italian based Multi-National Company, 1 branches in different parts of the world. She has obtained her Bache, Engineering from Sree Vidyanikethan Engineering College, Tirupa after obtaining the degree, she joined with Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, Haryana in 2017 through the campus selection.

Presently, she is working on different areas of Geotechnical/Highway Engineering field related problems and providing a scientific solution for the same. Some of the major areas where she is currently working are problems of instability of hill slopes caused by major and minor landslides and projects related to the use of geosynthetics in different layers of road pavements. Besides above, she is also working on road projects requiring preventive and remedial measures to enhance the life of the pavement structure.

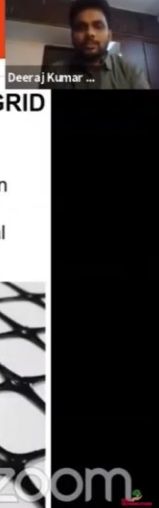
She is also actively involved with India Roads Congress (IRC) in the new formulation/revision of guidelines. She is one of the authors of IRC SP 59: 2019 "Guidelines for Use of Geosynthetics in Road Pavements and Associated Works" which has recently been revised and published. She was supporting a team of members involved in the new formulation of IRC SP 113: 2018 "Guidelines on Flood Disaster Mitigation for highway engineers". Besides above, she is presently working on the new formulation of "Guidelines for Engineering of Natural Slopes", "Guidelines on Stabilization of Landslides and Slope failures based on anatomization of practical lessons from case studies" and the revision of the existing standard i. e. "IRC SP 48-Hill Road Manual". She is actively supporting a team of members involved in the new formulation or revision of BIS codes. She is currently supporting her team in the formulation/revision of BIS codes i. e. "Constructions of Gabion walls for Hill Infrastructure", "Design and Construction of Reinforced Soil System for Hill infrastructure".

Introduction of the Speaker Ms. Padmaja Gurram by Ms. Roopa, D. S, Social Activities Committee Head – IGS SVEC Student Chapter.



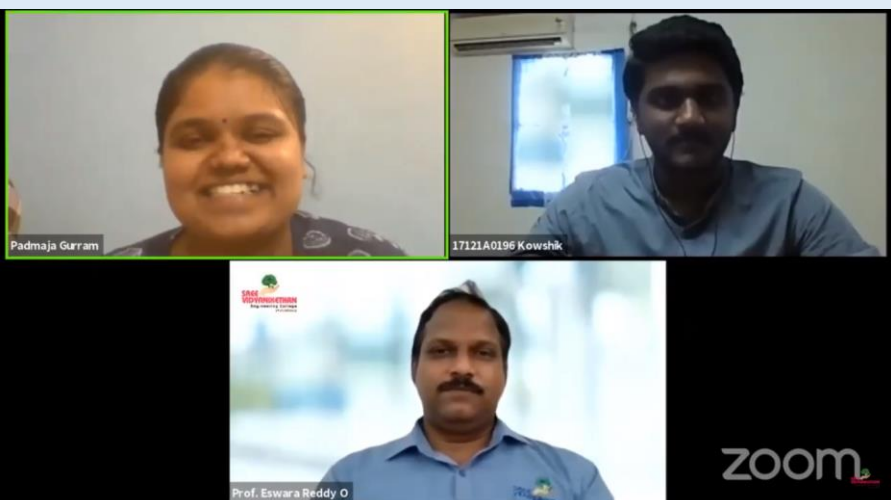
The unique structure allows the grid to get a good "grip" on the aggregate particles and results in effective mechanical interlock.

The unique shape of the geogrid ribs confines aggregate particles due to its high stiffness and the strength at the corners (junctions), just like a rack confines billiard balls.

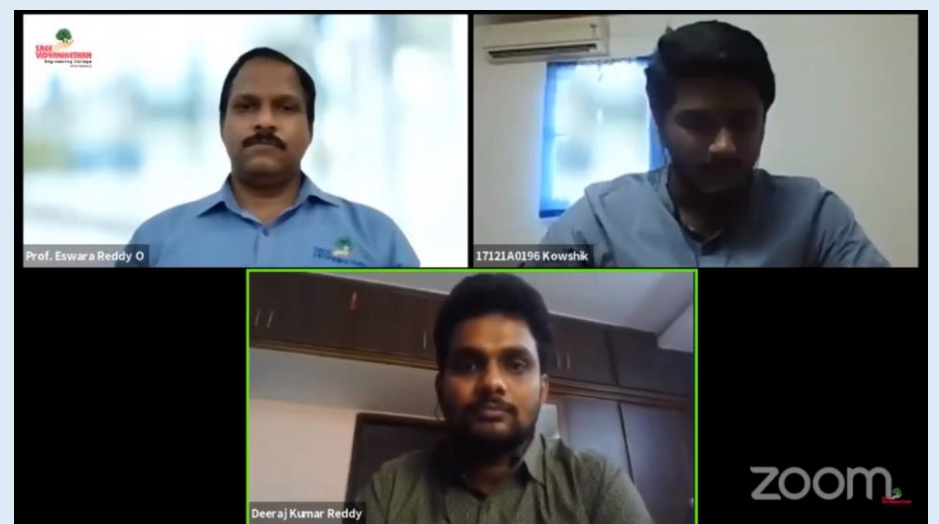


Mr. K. Deeraj Kumar Reddy, Sr. Manager – Pavements, Techfab India Industries Ltd., Hyderabad delivering the Lecture on "Applications and Case Studies of Geosynthetics in Road Pavement"

Ms. Padmaja Gurram, Engineer, Strategic Projects & Strategic Initiatives – ISEAP, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India delivering the Lecture on "Flexible Solutions for the Problems of Hilly Terrains"



Ms. Padmaja Gurram, Engineer, Strategic Projects & Strategic Initiatives – ISEAP, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India addressing the Q & A Session



Mr. K. Deeraj Kumar Reddy, Sr. Manager – Pavements, Techfab India Industries Ltd., Hyderabad addressing the Q & A Session




Mr. P. S. Harshit
Sr. Design Engineer - Vertical Wall Technical Unit
Maccaferri Environmental Solutions Pvt. Ltd
Gurgaon, India

Mr. P.S Harshit is currently working as Senior Engineer leading the design team of Vertical Wall Technical Unit at Maccaferri Environmental Solutions Pvt. Ltd, Gurgaon, India. He has obtained his bachelor's degree in Civil Engineering from Sree Vidyanikethan Engineering College, Tirupati and has done Post Graduate Diploma in Operations Management from Welinkar Institute of Management Development and Research.

Mr. P.S Harshit has over 6 years of working experience in Geotechnical / Highway Engineering fields. He is involved in Highway Projects for providing Geotechnical Solutions for Soil Retention, Slope Stability and Ground Improvement works. Majority of his work involved Designing of Reinforced Soil walls using geosynthetics for various applications in Highway, Railway and Real Estate Projects in India.




Introduction of the Speaker, Mr. P. S. Harshit by Ms. T. Mounika, Secretary-IGS SVEC Student Chapter



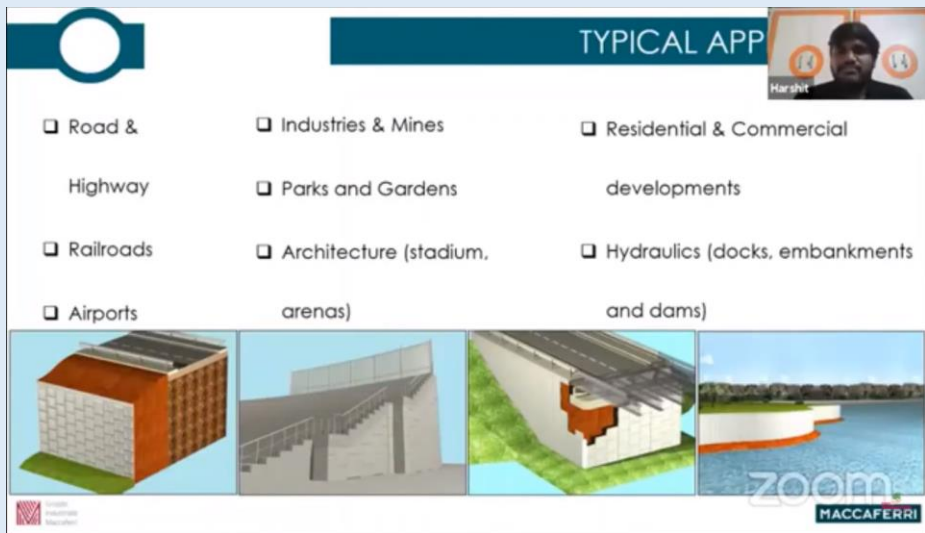
Mr. P. Narendra Kumar Reddy
Sr. Engineer
Business Unit - South
Maccaferri Environmental Solutions Pvt. Ltd.
Gurgaon, India

Narendra kumar Reddy is currently working as a Sr. Engineer at Maccaferri Environmental Solutions Pvt. Ltd, India. Maccaferri is a Multi-National Company, having projects and branches in different parts of the world. He has obtained her Bachelor's degree in Civil Engineering from Sree Vidyanikethan Engineering College, Tirupati and immediately after obtaining the degree, he joined with Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, Haryana in 2015 through the campus selection.

Presently, he is working as a business unit member for the development of Geotechnical & Highway Engineering field related projects in southern part of India. Some of the major areas where he is currently working are problems of instability of hill slopes caused by major and minor landslides and projects related to the use of geosynthetics in different layers of road pavements. Besides above, he is also working on road projects requiring preventive and remedial measures to enhance the life of the pavement structure. .




Introduction of the speaker Mr. P. Narendra Kumar Reddy by Ms. R. Lakshmi Pavani, Membership Committee Head – IGS SVEC Student Chapter.

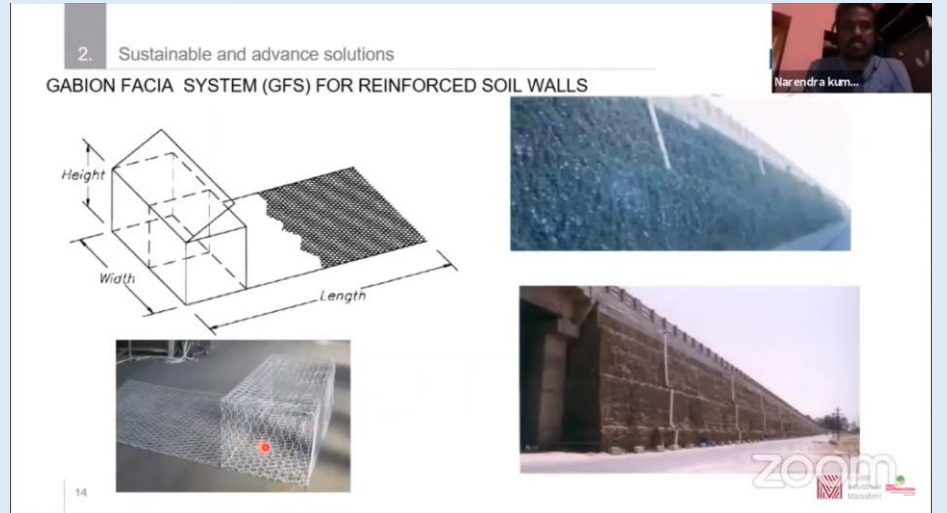


TYPICAL APP

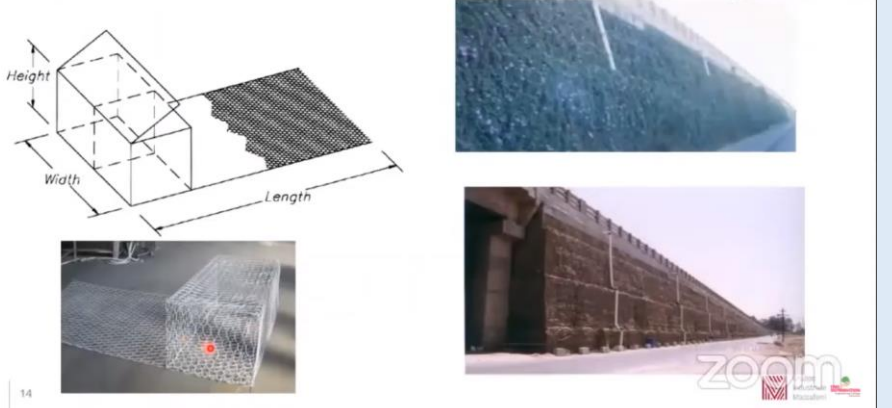
- Road & Highway
- Railroads
- Airports
- Industries & Mines
- Parks and Gardens
- Architecture (stadium, arenas)
- Residential & Commercial developments
- Hydraulics (docks, embankments and dams)



Mr. P. S. Harshit, Sr. Design Engineer - Vertical Wall Technical Unit, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India delivering the Lecture on “Reinforced Soil Wall System”



2. Sustainable and advanced solutions
GABION FACIA SYSTEM (GFS) FOR REINFORCED SOIL WALLS

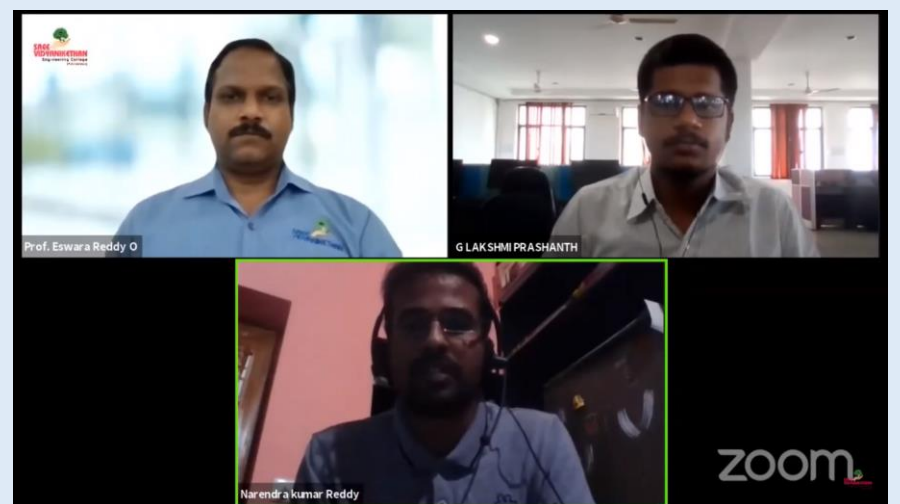


Mr. P. Narendra Kumar Reddy, Sr. Engineer Business Unit – South, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India delivering the Lecture on “Reinforced Soil Wall and Slope Facia Systems with Gabion Facia and their Advantages”



Prof. Eswara Reddy O, G LAKSHMI PRASHANTH, Harshit

Mr. P. S. Harshit, Sr. Design Engineer - Vertical Wall Technical Unit, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India addressing the Q & A Session



Prof. Eswara Reddy O, G LAKSHMI PRASHANTH, Narendra kumar Reddy

Mr. P. Narendra Kumar Reddy, Sr. Engineer Business Unit – South, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India addressing the Q & A Session

GUEST LECTURE

The Department of Civil Engineering of Sree Vidyanikethan Engineering College has organized a Guest Lecture on “**Pile Integrity Test Methods with Case Studies**” under IGS Sree Vidyanikethan Engineering College Student Chapter on 29th October, 2020 for the benefit of all Civil Engineering Students and Faculty members.

The resource person was an eminent personality from the Industry, **Dr. C. R. Parthasarathy**, (Ph.D., IISc Bangalore), Founder, Chairman and Managing Director, Sarathy Geotech & Engineering Services Pvt. Ltd., Bengaluru.

The program session was conducted online through Zoom Platform and the same was live on YouTube. Resource person shared his rich knowledge of the subject with all the participants and enriched them with the concept of Pile Integrity Test Methods. Also, he shared practical constraints that shoot up during field executions along with case studies and insights on career opportunities in the field of geotechnical engineering. A total of 124 students and 18 faculty members from the host institution were participated in the program.

Online guest lecture enhanced the technical knowledge of students and faculty members on the importance of pile integrity test for evaluating the pile quality and integrity as a part of non-destructive testing. Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC; Faculty Advisor-IGS SVEC Student Chapter; Convener of the Event; Mr. M. Tharun Kumar, Assistant Professor; Coordinator-IGS SVEC Student Chapter and 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.



SREE VIDYANIKETHAN ENGINEERING COLLEGE (Autonomous)
Sree Sainath Nagar, Tirupati – 517 102
(Affiliated to JNTUA Anantapuramu, Approved by AICTE, Accredited by NBA; NAAC with 'A' Grade)
Indian Geotechnical Society Sree Vidyanikethan Engineering College Student Chapter

Resource Person
Dr. C. R. Parthasarathy (Ph.D. IISc, Bangalore)
Founder, Chairman and Managing Director
Sarathy Geotech & Engineering Services Pvt. Ltd. Bengaluru

Guest Lecture on
PILE INTEGRITY TEST METHODS WITH CASE STUDIES
Organized by
Department of Civil Engineering

Date and Time
29 October, 2020
11:00 A.M

Registration Link
<https://forms.gle/f4EAb7c2ssh2uDRZ>

No Registration Fee e-Certificate will be issued for all active participants

Event Platform
PMID - 638 234 9773
Passcode - 323444
Join on YouTube@ <https://youtu.be/Sxue2U3BmAk>

Chief Patrons
Dr. M. Mohan Babu, Chairman, SVET; Sri. Vishnu Manchu, CEO, SVET; Dr. P. C. Krishnamachary, Principal, SVEC

Convener
Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman & Faculty Advisor, IGS SVEC Student Chapter

Coordinator
Mr. M. Tharun Kumar, Coordinator, IGS SVEC Student Chapter 9492594305

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Mr. G. L. Pushanesh Reddy - Vice President
Ms. T. Mounika - Secretary
Mr. K. S. Ashrith Gupta - Treasurer
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Mr. T. Venkatesh Prasad - Fund Raising Committee
Ms. T. Hemalatha - Community Service Committee

Flyer of the Event

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Indian Geotechnical Society Sree Vidyankethan Engineering College
Student Chapter

Resource Person
PILE INTEGRITY TEST METHODS WITH CASE STUDIES
Organized by
Department of Civil Engineering

Date and Time: 29 October, 2020 11:00 A.M.
Registration Link: <https://forms.gle/14EAb7c2sh2uDR17>
No Registration Fee e-Certificate will be issued for all active participants

Event Platform: PMID - 638 234 9773, Passcode - 323444
Join on YouTube: <https://youtu.be/5au2U3BmAk>

Dr. C. R. Parthasarathy
(Ph.D., IISc, Bangalore)
Founder, Chairman and Managing Director
Sarathy Geotech & Engineering Services Pvt. Ltd.
Bangalore

Chief Patron: Dr. H. Mohan Babu
Patron: Sri. Vishnu Manchu
Convener: Dr. P. C. Krishnamachary
Coordinator: Dr. O. Eswara Reddy
Organizing Committee: Mr. H. Tharun Kumar

Welcome Address by Ms. Roopa, D. S, Social Activities Committee Head – IGS SVEC Student Chapter

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Dr. O. Eswara Reddy
(Ph.D., IISc, Bangalore)
Professor, HoD and BOS Chairman
& Faculty Advisor
IGS SVEC Student Chapter

Chief Patron: Dr. H. Mohan Babu
Patron: Sri. Vishnu Manchu
Convener: Dr. P. C. Krishnamachary
Coordinator: Dr. O. Eswara Reddy
Organizing Committee: Mr. H. Tharun Kumar

Opening Remarks by Dr. O. Eswara Reddy, Professor, HoD and BOS Chairman, Department of Civil Engineering, SVEC; Faculty Advisor-IGS SVEC Student Chapter

Dr C R Parthasarathy
Founder, Chairman and Managing Director,
Sarathy Geotech & Engineering Services Pvt. Ltd.
Bangalore

He started his career as a Geotechnical Engineer in 1993 on numerous large scale site investigation/engineering studies on multi-storeyed complexes, refineries, embankments, bridges, water-retaining structures, offshore platforms, pipelines, Jackup rigs etc. He has rich experience in Site Characterisation & Deep Foundation testing. He is the user of PDI products for over two decades.

Dr CR Parthasarathy is the founder director of Sarathy Geotech & Engineering Services Pvt Ltd, the company with its registered office at Bangalore, India, was established in 2007 to provide geotechnical and testing services for both offshore and on land constructions in India and abroad.

As a technical partner of Pile Dynamics USA, he is instrumental in promoting quality testing of deep foundations in India and authorised trainer for high strain dynamic pile testing.

He is the life fellow of Indian Geotechnical Society (IGS), Elected National Executive Member of IGS for 2018-20 and Chairman, IGS-Bengaluru Chapter.

Introduction of the Chief Guest Dr. C. R. Parthasarathy by Mr. K. S. Ashrith Gupta, Treasurer – IGS SVEC Student Chapter

PILE INTEGRITY TEST METHODS WITH CASE STUDIES
29 October 2020

Dr CR PARTHASARATHY
FOUNDER, CHAIRMAN & MANAGING DIRECTOR (SGES)
CHAIRMAN, IGS-BENGALURU CHAPTER
partha@sarathygeotech.com

SARATHY GEOTECH & ENGINEERING SERVICES PVT LTD (SGES)
(An ISO 9001:2015 & OHSAS 18001:2007 Certified)
www.sarathygeotech.com

Dr. C. R. Parthasarathy Founder, Chairman and Managing Director, Sarathy Geotech & Engineering Services Pvt. Ltd., Bengaluru, Congratulates to all students and Faculty

ANOMOLIES IN PILE CONSTRUCTION

Necking, Crack - Break, Bulging

Low Strain Impact Pile Integrity Testing using PIT

GOOD
BAD

PIT detected bored pile defect at 4.1 m depth; confirmed by core

SHAFT QUANTITATIVE INSPECTION DEVICE

Dr. C. R. Parthasarathy, Founder, Chairman and Managing Director, Sarathy Geotech & Engineering Services Pvt. Ltd., Bengaluru delivering the Expert Lecture on "Pile Integrity Test Methods with Case Studies"

Prof. Eswara Reddy O
17121A0183_Roopa DS
CR Parthasarathy
Tharun Kumar

Dr. C. R. Parthasarathy, Founder, Chairman and Managing Director, Sarathy Geotech & Engineering Services Pvt. Ltd., Bengaluru addressing the Q & A Session

You can access all the online events like Guest Lecture/ Expert Lecture/ Workshop on our YouTube channel

[/IGS SVEC STUDENT CHAPTER](https://www.youtube.com/channel/UCitTzAmQbtgwJMq8YSauzbQ/feature)

<https://www.youtube.com/channel/UCitTzAmQbtgwJMq8YSauzbQ/feature>

ADVISORS OF IGS 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)
 Chairman-BOS and Former Head,
 Department of Civil Engineering,
 Former Vice Principal, 2nd Shift Polytechnic,
 Sree Vidyanikethan Engineering College (Autonomous),
 Sree Sainath Nagar, A. Rangampet - 517 102,
 Tirupati, Chittoor Dist., A.P., INDIA.

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President



Mr. G. L. Prashanth Reddy
Vice President



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- Secretary** : Ms. T. Mounika, IV B.Tech. CE, mounikathunga28@gmail.com

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Social Activities Committee



Ms. R. Lakshmi Pavani
Membership Committee



Mr. T. R. Ravi Chandra
Publicity Committee

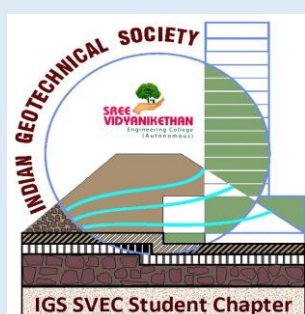


Mr. T. Venkatesh Prasad
Fundraising Committee



Ms. T. Hemalatha
Community Service Committee

- Social Activities Committee** : Ms. Roopa D. S, IV B.Tech, CE, roopadasarithr@gmail.com
- Membership Committee** : Ms. R. Lakshmi Pavani, IV B.Tech, CE, rahgavaraju.rlpavani@gmail.com
- Publicity Committee** : Mr. T. R. Ravi Chandra, IV B.Tech. CE, ravichandra2828@gmail.com
- Fund Raising Committee** : Mr. T. Venkatesh Prasad, IV B.Tech. CE, venkateshprasad24@gmail.com
- Community Service Committee** : Ms. T. Hemalatha, IV B.Tech. CE, hemalatha.thati23@gmail.com



IGS SVEC Student Chapter
Department of Civil Engineering
Sree Vidyanikethan Engineering College (Autonomous)
 Tirupati-517102, Chittoor District,
 Andhra Pradesh, India.
E-mail: igs@vidyanikethan.edu

