

# Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter

## Annual Report 2020



**SREE VIDYANIKETHAN ENGINEERING COLLEGE  
(AUTONOMOUS)**

(Approved by AICTE, Accredited by NBA, New Delhi and NAAC, Affiliated to JNTUA, Anantapuramu)  
Sree Sainath Nagar, A. Rangampet, Chandragiri Mandal,  
Chittoor Dist., Andhra Pradesh – 517 102

[www.vidyanikethan.edu](http://www.vidyanikethan.edu)

## **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 13<sup>th</sup> 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 6<sup>th</sup> 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 20<sup>th</sup> November 2018 and Inaugurated the chapter with its activities on 22<sup>nd</sup> 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.

## **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.

## **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.
- 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.

## FACULTY ADVISOR



**Prof. Dr. O. ESWARA REDDY, M.Tech. (Geotechnical Engg.), 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, 2<sup>nd</sup> Shift Polytechnic  
Sree Vidyanikethan Engineering College (Autonomous),  
(Approved by AICTE, Accredited by NBA & NAAC, Affiliated to JNTUA, Anantapuramu)  
Sree Sainath Nagar, A. Rangampet - 517 102,  
Tirupati, Chittoor Dist., A.P., INDIA.



## OFFICERS -2020

S. No.	Roll Number	Student Name	Designation of Officer
1	17121A0196	Mr. T. Kowshik Kumar	President
2	17121A0128	Mr. G. L. Prashanth Reddy	Vice President
3	17121A01A1	Ms. T. Mounika	Secretary
4	17121A0138	Mr. K. S. Ashrith Gupta	Treasurer
5	17121A0183	Ms. Roopa D.S	Social Activities Committee
6	17121A0180	Ms. R. Lakshmi Pavani	Membership Committee
7	17121A0198	Mr. T. R. Ravichandra	Publicity Committee
8	17121A01A0	Mr. T. Venkatesh Prasad	Fund Raising Committee
9	17121A0197	Ms. T. Hemalatha	Community Service Committee

## MEMBERSHIP - 2020

- A total number of 202 students from department of civil Engineering were enrolled as student members of IGS SVEC Student chapter for the calendar year 2020.

## FACULTY OF GEOTECHNICAL ENGINEERING

1. Dr. O. Eswara Reddy, Professor, HOD and BOS Chairman (IGS LF-0550)
2. Dr. P. Ramesh, Associate Professor
3. Mrs. G. Gnana Prasanna, Assistant Professor (IGS LM-4567)
4. Mr. M. Tharun Kumar, Assistant Professor (IGS LM-4401)

## ACTIVITIES

IGS SVEC Student Chapter 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 etc.,

IGS SVEC Student Chapter aims at enriching 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 as well as improving the interpersonal skills of students such as the ability to present themselves, their ideas, creativity, leadership, ability to work in a group with sportsmanship and being assertive. Various events were conducted under IGS SVEC Student Chapter in the calendar year 2020 and many students actively participated with great zeal and enthusiasm. All the events were successfully completed and it was made possible by the contribution of the students, faculty members of the department and support of the management.

## Summary of Activities - 2020

S. No.	Name of the Activity	Dates	No. of Students Benefitted
1.	<p><b>Distinguished Lecture</b> on            "Sustainable Engineering Challenges and Applications" with a prelude on            "Tomorrow's Professor-A Talent Mix of Teaching, Innovation and Networking" by  <b>Dr. Krishna R. Reddy,</b>            University Scholar &amp; Distinguished Researcher; Professor of Civil &amp; Environmental Engineering; Director, Sustainable Engineering Research Laboratory; Director, Geotechnical &amp; Geoenvironmental Engineering Laboratory, Department of Civil &amp; Materials Engineering University of Illinois, Chicago, USA.</p>	02/01/2020	200 (Faculty members of SVEC)
2.	<p><b>Expert Lecture</b> on            "Raft Foundation of Barrage Structures – Design and Construction Aspects" by  <b>Dr. B. Uma Shankar,</b>            Associate Professor,            Department of Civil Engineering,            IIT Hyderabad.</p>	25/01/2020	240
3.	<p><b>Expert Lecture</b> on            "Sustainable Utilization of Scrap - Tire Derived Geomaterials for Civil Engineering Applications" by  <b>Prof. A. Murali Krishna,</b>            Associate Dean, Planning &amp; Infrastructure,            Department of Civil and Environmental Engineering,            IIT Tirupati.</p>	21/05/2020	130
4.	<p><b>Online Group Discussion</b></p>	30/07/2020	20
5.	<p><b>A Two Day National Level Online Workshop</b> on            "Technological Advancements in Geotechnical Engineering Practice with Geosynthetics" by  <b>Ms. Padmaja Gurram,</b>            Engineer, Strategic Projects &amp; Strategic Initiatives – ISEAP, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India;  <b>Mr. K. Deeraj Kumar Reddy,</b>            Sr. Manager – Pavements, Techfab India Industries Ltd., Hyderabad;  <b>Mr. P. S. Harshit,</b>            Sr. Design Engineer - Vertical Wall Technical Unit, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India;</p>	25 <sup>th</sup> -26 <sup>th</sup> September, 2020	202 Students, 59 Faculty and Professional Engineers

	<b>Mr. P. Narendra Kumar Reddy,</b> Sr. Engineer, Business Unit – South, Maccaferri Environmental Solutions Pvt. Ltd., Gurgaon, India.		
<b>6.</b>	<b>Guest Lecture</b> on "Pile Integrity Test Methods With Case Studies" by <b>Dr. C. R. Parthasarathy,</b> (Ph.D., IISc Bangalore), Founder, Chairman and Managing Director, Sarathy Geotech & Engineering Services Pvt. Ltd., Bengaluru.	29/10/2020	124

# **Reports of Activities**

Department: CIVIL ENGINEERING | Date: 02<sup>nd</sup> January 2020

**Distinguished Lecture on**

**“Sustainable Engineering - Challenges and Applications” with a prelude on  
“Tomorrow’s Professor - A Talent Mix of Teaching, Innovation and Networking”  
02<sup>nd</sup> January 2020**

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 02<sup>nd</sup> 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 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.

The photographs of the program are as follows.



**Dr. O. Eswara Reddy**

Professor, HoD and BoS Chairman  
Faculty Advisor – IGS SVEC Student Chapter





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 visiting Central Library



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



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





Feedback by Dr. Krishna R. Reddy at Central Library



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



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



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





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



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



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



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





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



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



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



**Indian Geotechnical Society  
Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter**



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

Department: CIVIL ENGINEERING | Date: 25<sup>th</sup> January 2020

**Expert Lecture on**  
**“Raft Foundation of Barrage Structures – Design and Construction Aspects”**  
**25<sup>th</sup> January 2020**

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 25<sup>th</sup> 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.

The photographs of the program are as follows.



25/01/2020

**Dr. O. Eswara Reddy**

Professor, HoD and BoS Chairman

Faculty Advisor- IGS SVEC Student Chapter





Dr. B. Umashankar, Assoc. Prof., Dept. of Civil Engg., IIT Hyderabad interacting with Dr. P. C. Krishnamachary, Principal and Dr. O. Eswara Reddy, BOS Chairman and HOD, Dept. 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**



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

**Indian Geotechnical Society  
Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter**



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





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

Department: CIVIL ENGINEERING | Date: 21<sup>st</sup> May 2020

**Expert Lecture on**  
**“Sustainable Utilization of Scrap Tire Derived Geomaterials for Civil Engineering Applications”**  
**21<sup>st</sup> May 2020**

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 **21<sup>st</sup> May 2020** from **11:00 A.M to 01:00 P.M** for the 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.

The photographs of the program are as follows.



**Dr. O. Eswara Reddy**  
Professor, HoD and BoS Chairman  
Faculty Advisor – IGS SVEC Student Chapter



An Expert Lecture on  
**Sustainable Utilization of Scrap Tire Derived Geomaterials for  
Civil Engineering Applications**

Organized By  
**IGS SVEC STUDENT CHAPTER**

Date: 21<sup>st</sup> 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**

**Scrap Tire Derived Materials**

□ As per ASTM D6270

- Scrap tire derived (STD) materials divided into 3 types

□ Tire crumbs

- Maximum size of 12 mm

□ Tire chips

- Between 12 and 50 mm

□ Tire shreds

- Between 50 and 305 mm




Standard Practice for  
Use of Scrap Tires in Civil Engineering Applications  
Designation: D6270 – 17




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

### Sand-Tire Chips Mixtures

Sand







Tire chips  
10 mm X 20 mm


**Mixing**

Manual mixing by weight



Sand Tire chips (S-TC) mixtures






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

### Utilization of waste tires (after RMA, 2006, 2016)

Thousands of Tons in various fields

Year	TDF	GR	CE	Reclamation Projects	Exported	Punchet/Stamped	Agricu/Inral	BT	Electric Arc Furnace
2005	2144.6	882.5	639.9	0	111.9	106.51	47.6	0	18.9
2007	2484.3	789.1	561.5	132.88	102.0	1.85	7.1	0	27.1
2009	2084.7	1354.2	284.9	130	102.1	1.9	7.1	27.76	27.1
2011	1427.0	1093.5	294.9	54.29	302.5	1.9	7.1	1.92	65.5
2013	2120.2	975	172	49.17	245.8	1.9	7.1	30	65.6
2015	1922.6	1020.7	274.9	52.54	102.1	41.2	7.1	9.19	27.1



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



Department: CIVIL ENGINEERING | Date: 30<sup>th</sup> July 2020

## ONLINE GROUP DISCUSSION

**30<sup>th</sup> July 2020**

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 30<sup>th</sup> 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, Instagram, 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.

The photographs of the program are as follows.



**Dr. O. Eswara Reddy**

Professor, HoD and BoS Chairman

Faculty Advisor- IGS SVEC Student Chapter



**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
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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/ZXY1JuRkNpxF3cPE8>

**Event Platform**  
zoom  
**July 30, 2020**

<b>Chief Patrons</b>	<b>Patron</b>	<b>Convener</b>	<b>Coordinator</b>
 Dr. M. Mohan Babu Chairman, SVET	 Sri. Vishnu Manchu CEO, SVET	 Dr. P. C. Krishnamachary Principal, SVEC	 Professor, HoD and BoS Chairman & Faculty Advisor IGS SVEC Student Chapter
			 Coordinator, IGS SVEC Student Chapter 9492594305

**Flyer for the Event: Online Group Discussion**



The screenshot shows a Zoom meeting interface with the event flyer displayed in the main window. The flyer content is identical to the one above. A video thumbnail of a man in a blue shirt is visible in the top right corner of the Zoom window.

**Opening Remarks by Dr. O. Eswara Reddy, Professor, Head and BOS Chairman; Faculty Advisor, IGS SVEC Student Chapter**



### Indian Geotechnical Society Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter



**SREE VIDYANIKETHAN ENGINEERING COLLEGE**  
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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

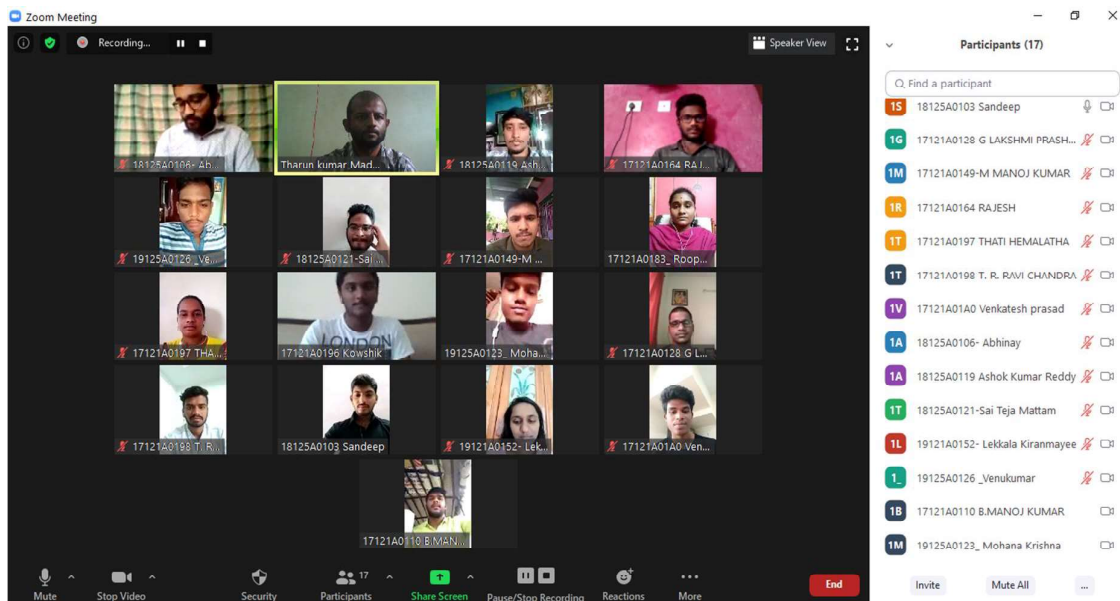
E-Certificates will be provided to all the participants and prize winners

Last Date of Registration: **28-07-2020**  
Register @ <https://forms.gle/ZXY1JuRkNpxF3cPE8>

**Event Platform**  
zoom  
**July 30, 2020**

Chief Patrons	Patron	Convener	Coordinator
 Dr. M. Mohan Babu Chairman, SVET	 Sri. Vishnu Manchu CEO, SVET	 Dr. P. C. Krishnamachary Principal, SVEC	 Professor, HoD and BeS Chairman & Faculty Advisor IGS SVEC Student Chapter
			 Coordinator, IGS SVEC Student Chapter 9492594305

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



Zoom Meeting

Recording... Speaker View

Participants (17)

- 15 18125A0103 Sandeep
- 1G 17121A0128 G LAKSHMI PRASH...
- 1M 17121A0149-M MANOJ KUMAR
- 1R 17121A0164 RAJESH
- 1T 17121A0197 THATI HEMALATHA
- 1T 17121A0198 T. R. RAVI CHANDRA
- 1V 17121A01A0 Venkatesh prasad
- 1A 18125A0106- Abhinay
- 1A 18125A0119 Ashok Kumar Reddy
- 1T 18125A0121-Sai Teja Mattam
- 1L 19121A0152- Lekkala Kiranmayee
- 1 19125A0126 \_Venukumar
- 1B 17121A0110 B.MANOJ KUMAR
- 1M 19125A0123\_ Mohana Krishna

### Participation of Students in the Event on Zoom Platform

Department: CIVIL ENGINEERING | Date: 25<sup>th</sup>-26<sup>th</sup> September 2020

**A Two Day National Level Online Workshop on  
"Technological Advancements in Geotechnical Engineering Practice  
with Geosynthetics (TAGEPG)"  
25<sup>th</sup>-26<sup>th</sup> September 2020**

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<sup>th</sup>-26<sup>th</sup> 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.

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.

The photographs of the program are as follows.



05/10/2020

**Dr. O. Eswara Reddy**

Professor, HoD and BoS Chairman

Faculty Advisor- IGS SVEC Student Chapter



**Indian Geotechnical Society  
Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter**



**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**

**A Two Day National Level Online Workshop on  
Technological Advancements in Geotechnical Engineering Practice with Geosynthetics**

Organized by  
**Department of Civil Engineering**

**Resource Persons**

**Mr. K. Deeraj Kumar Reddy**  
Sr. Manager - Pavements  
TechFab India Industries Ltd.  
Hyderabad

**Ms. Padmaja Guram**  
Engineer, Strategic Projects & Strategic Initiatives - ISEAP  
Maccalfert Environmental Solutions Pvt. Ltd.  
Gurgaon, India

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

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

**Date** 25-26 September, 2020 | **Registration Link** <https://tinyurl.com/y4855mgc> | **No Registration Fee e-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**

PMID - 638 234 9773  
Passcode - 323444

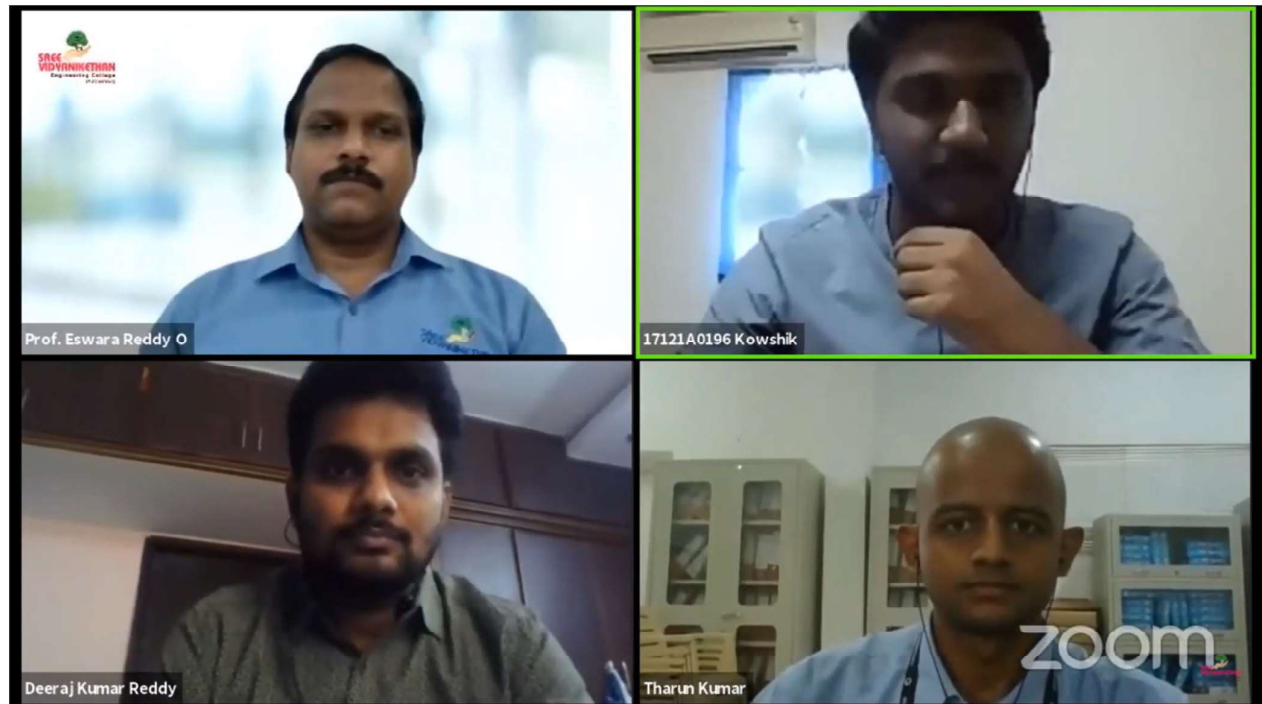
YouTube Links are Provided in the Program Schedule

**Chief Patrons** **Patron** **Convener** **Coordinator** **Organizing Committee**

**Dr. M. Mohan Babu** Chairman, SVET | **Sri. Vishnu Manchu** CEO, SVET | **Dr. P. C. Krishnamachary** Principal, SVEC | **Dr. O. Eswara Reddy** Professor, HoD and BoS Chairman & Faculty Advisor IGS SVEC Student Chapter | **Mr. M. Tharun Kumar** Coordinator IGS SVEC Student Chapter 9492594305

**Mr. T. Kowshik Kumar** - President  
**Mr. G. L. Prashanth Reddy** - Vice President  
**Ms. T. Mounika** - Secretary  
**Mr. K.S. Ashrith Gupta** - Treasurer  
**Ms. Roopa, D.S** - Social Activities Committee  
**Ms. R. Lakshmi Paveni** - Membership Committee  
**Mr. T. R. Ravichandra** - Publicity Committee  
**Mr. T. Venkatesh Prasad** - Fund Raising Committee  
**Ms. T. Hemalatha** - Community Service Committee

Flyer of the Event



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



**Indian Geotechnical Society  
Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter**



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**A Two Day National Level Online Workshop on  
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Organized by  
**Department of Civil Engineering**

**Resource Persons**

**Mr. K. Deera Kumar Reddy**  
Sr. Manager – Pavements  
Techlab 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

**Date** | 25-26 September, 2020 | **Registration Link** | <https://tinyurl.com/y485mngc> | **No Registration Fee**  
e-Certificate will be issued  
for all active participants

**Program Outline**

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- Flexible Solutions for the Problems of Hilly Terrains
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- Reinforced Soil Wall and Slope Facia Systems with Gabion Facia and their Advantages.

**Event Platform**

PMID - 638 234 9773  
Passcode - 323444

YouTube Links are Provided in the Program Schedule

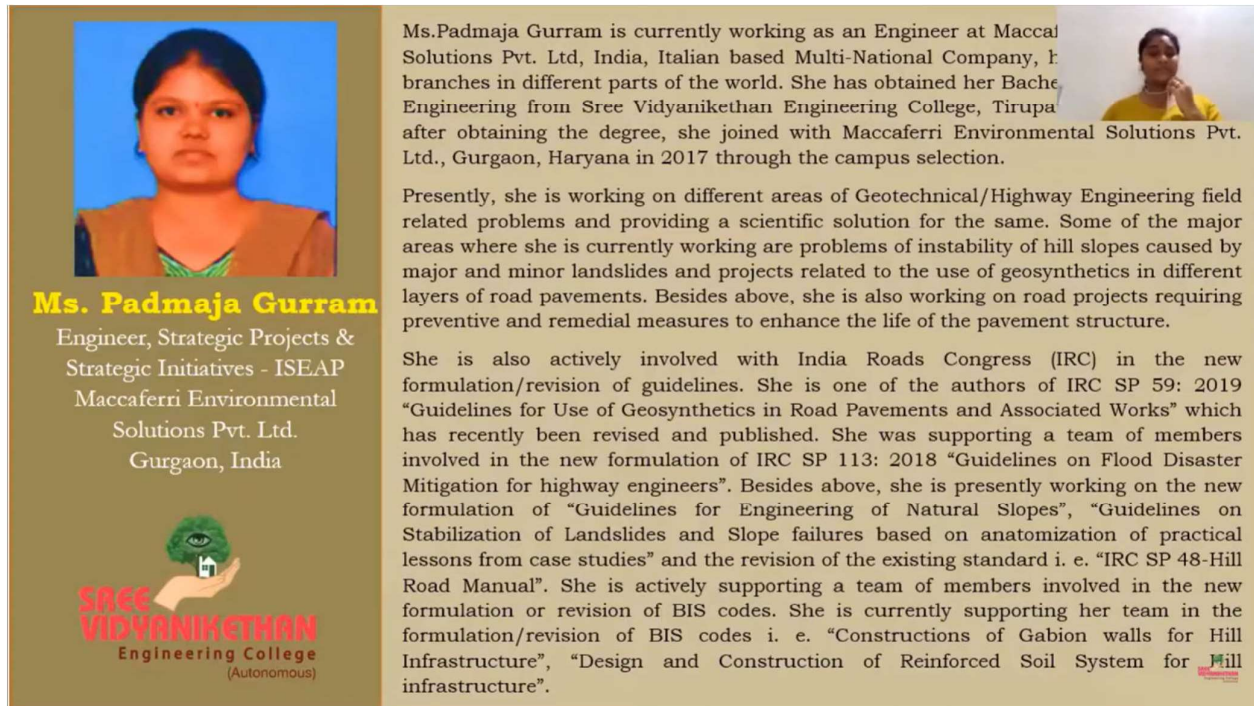
**Chief Patrons** | **Patron** | **Convener** | **Coordinator** | **Organizing Committee**

**Dr. M. Mohan Babu** Chairman, SVET | **Sri. Vishnu Manchu** CEO, SVET | **Dr. P. C. Krishnamachary** Principal, SVEC | **Dr. O. Eswara Reddy** Professor, HoD and BOS Chairman & Faculty Advisor IGS SVEC Student Chapter | **Mr. M. Tharun Kumar** Coordinator IGS SVEC Student Chapter 9492594305

**Organizing Committee**

- Mr. T. Kowshik Kumar - President
- Mr. G. L. Prashanth Reddy- Vice President
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- Ms. Roopa, D. S - Social Activities Committee
- Ms. R. Lakshmi Pavani - Membership Committee
- Mr. T. R. Ravichandra - Publicity Committee
- Mr. T. Venkatesh Prasad - Fund Raising Committee
- Ms. T. Hemalatha - Community Service Committee

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



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

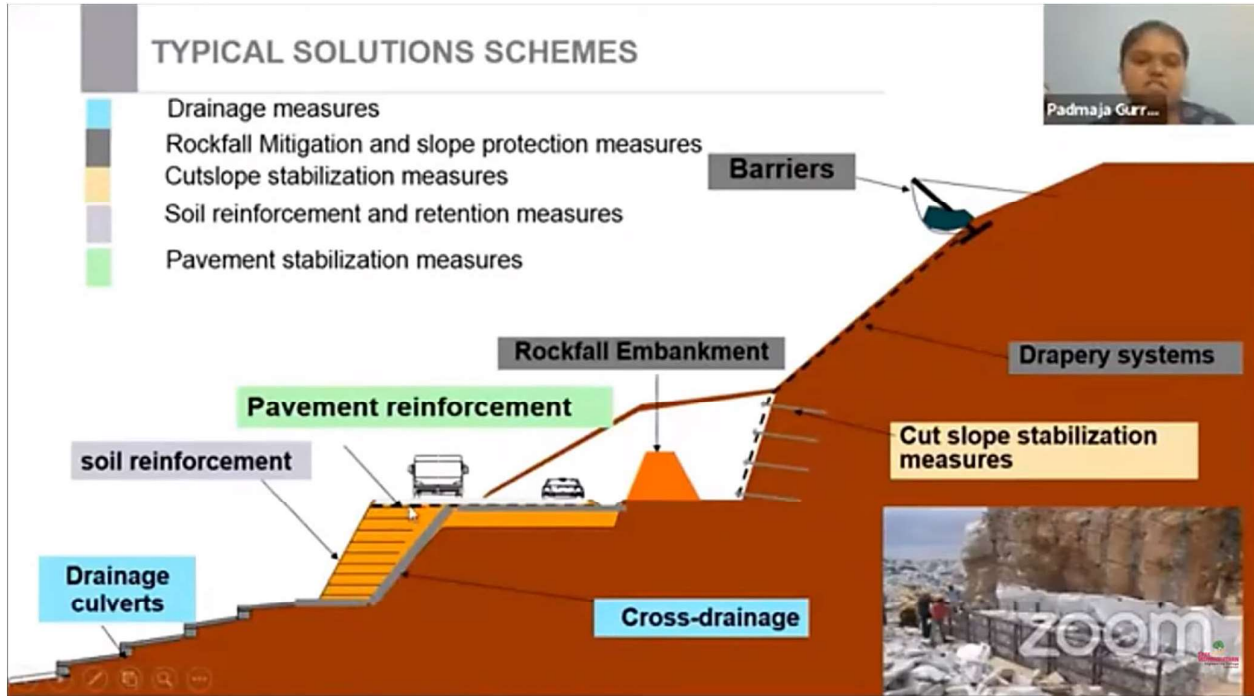
Ms. Padmaja Gurram is currently working as an Engineer at Maccaferri Environmental Solutions Pvt. Ltd, India, Italian based Multi-National Company, has branches in different parts of the world. She has obtained her Bachelor's Degree in Civil Engineering from Sree Vidyanikethan Engineering College, Tirupati 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.

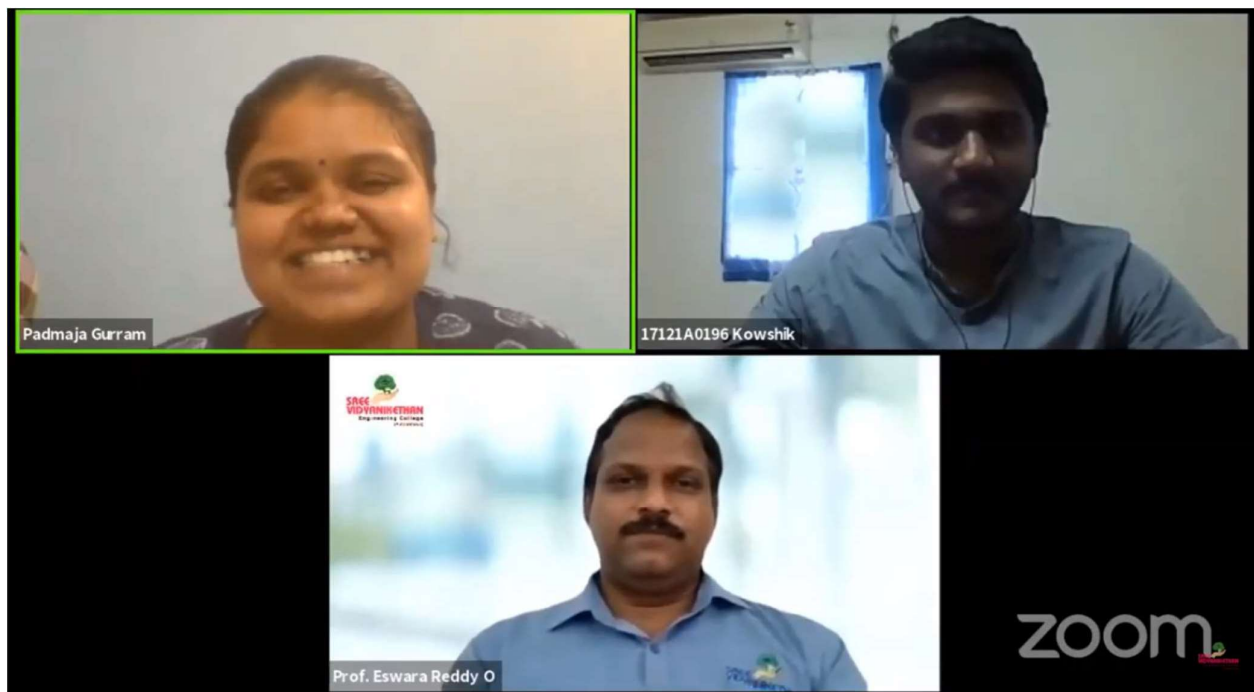
She is also actively involved with India Roads Congress (IRC) in the new formulation/revision of guidelines. She is one of the authors of IRC SP 59: 2019 "Guidelines for Use of Geosynthetics in Road Pavements and Associated Works" which has recently been revised and published. She was supporting a team 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.






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

**Indian Geotechnical Society**  
**Sree Vidyanikethan Engineering College (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.

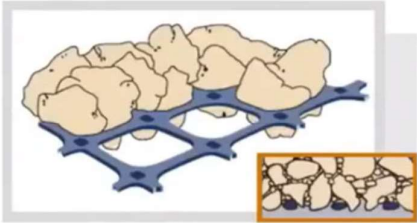
Mr. Deeraj Kumar Reddy has Experience in geotechnical and environmental solutions using Geosynthetic material with applications in Pavement Stabilization, Gabion Retaining walls, Flood control works, reinforced soil walls/slopes, erosion control, and coastal protection works. He had vast Knowledge on 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




**TECHFAB INDIA**  
At the Heart of Geosynthetic Activity


**BASE/ SUB-BASE STABILIZATION – PP BIAXIAL GEOGRID**



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.



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

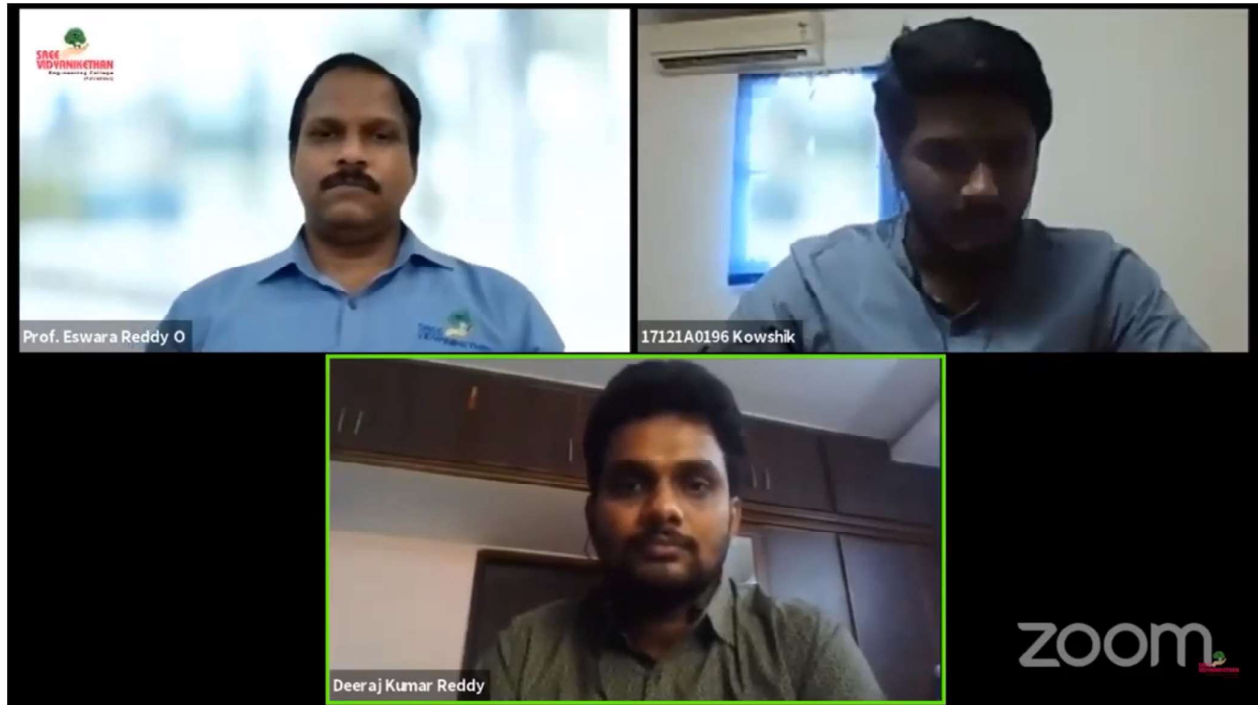


Deeraj Kumar ...

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”



**Indian Geotechnical Society  
Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter**



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



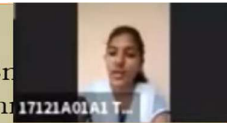
**Mr. P. S. Harshit**

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 Welingkar 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



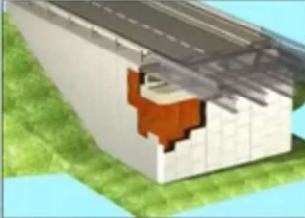

**Indian Geotechnical Society  
Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter**




TYPICAL APP



<ul style="list-style-type: none"> <li>❑ Road &amp; Highway</li> <li>❑ Railroads</li> <li>❑ Airports</li> </ul>	<ul style="list-style-type: none"> <li>❑ Industries &amp; Mines</li> <li>❑ Parks and Gardens</li> <li>❑ Architecture (stadium, arenas)</li> </ul>	<ul style="list-style-type: none"> <li>❑ Residential &amp; Commercial developments</li> <li>❑ Hydraulics (docks, embankments and dams)</li> </ul>
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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"



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



**Indian Geotechnical Society**  
**Sree Vidyanikethan Engineering College (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 Maccaferri Environmental Solutions Pvt. Ltd, India 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.

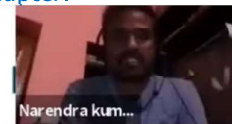
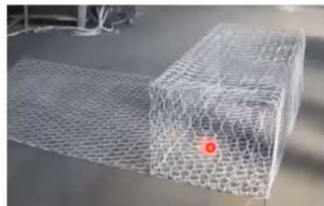
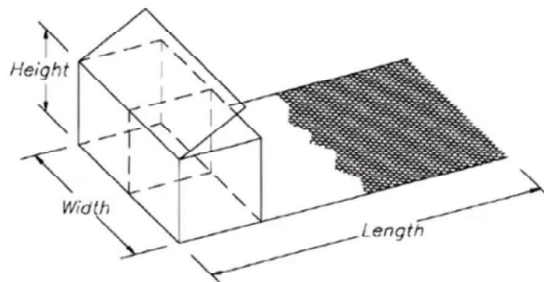
Presently, he is working as a business unit member for the development of Geotechnical & Highway Engineering field related projects in southern part of India. Some of the major areas where he is currently working are problems of instability of hill slopes caused by major and minor landslides and projects 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. .



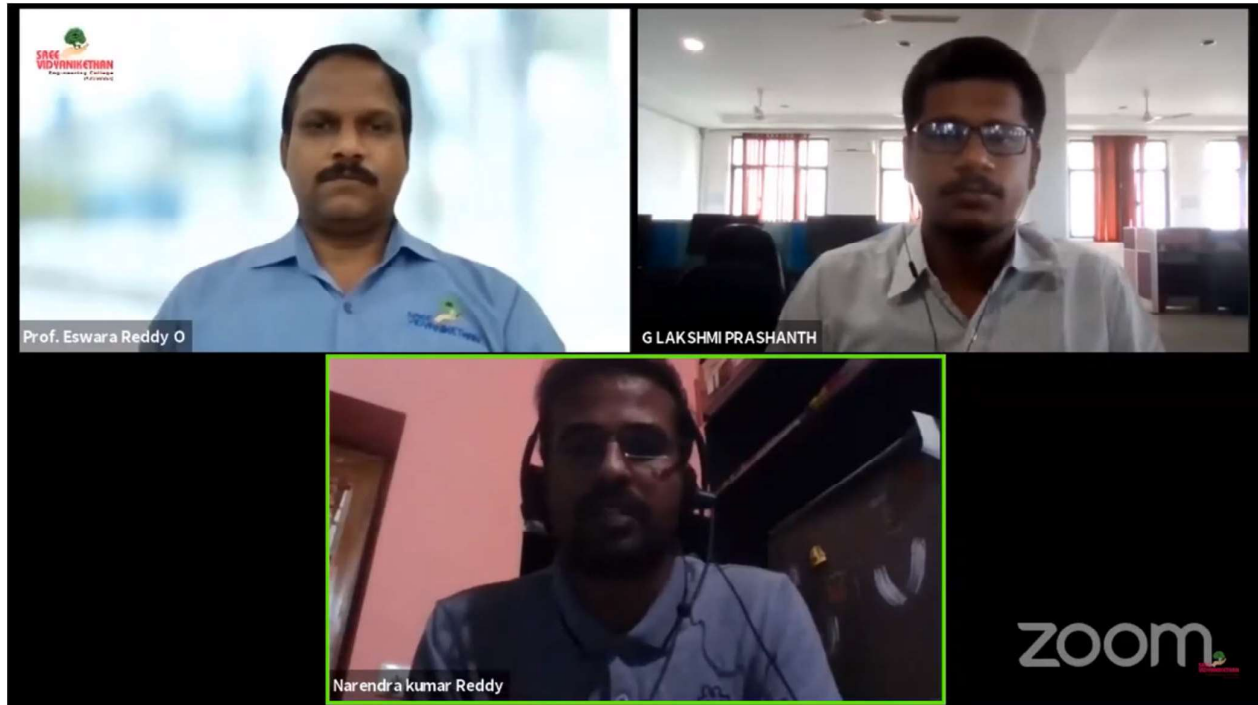
Introduction of the speaker Mr. P. Narendra Kumar Reddy by Ms.R.LakshmiPavani, Membership Committee Head – IGS SVEC Student Chapter.

2. Sustainable and advance 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"



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

***YouTube Link of all the Sessions***

[https://www.youtube.com/watch?v=HxhX5NVdWfk&list=PLiesgREIK6YMOAMzI2SXNWSRkbojRdqG\\_&index=1](https://www.youtube.com/watch?v=HxhX5NVdWfk&list=PLiesgREIK6YMOAMzI2SXNWSRkbojRdqG_&index=1)



Department: CIVIL ENGINEERING | Date: 29<sup>th</sup> October, 2020

**Guest Lecture on**  
**“PILE INTEGRITY TEST METHODS WITH CASE STUDIES”**  
**29<sup>th</sup> October 2020**

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 **29 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.

The photographs of the program are as follows.

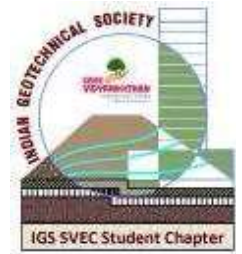


29/10/2020

**Dr. O. Eswara Reddy**

Professor, HoD and BoS Chairman

Faculty Advisor- IGS SVEC Student Chapter




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**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/f4EAb7c2ssh2uDRL7>

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

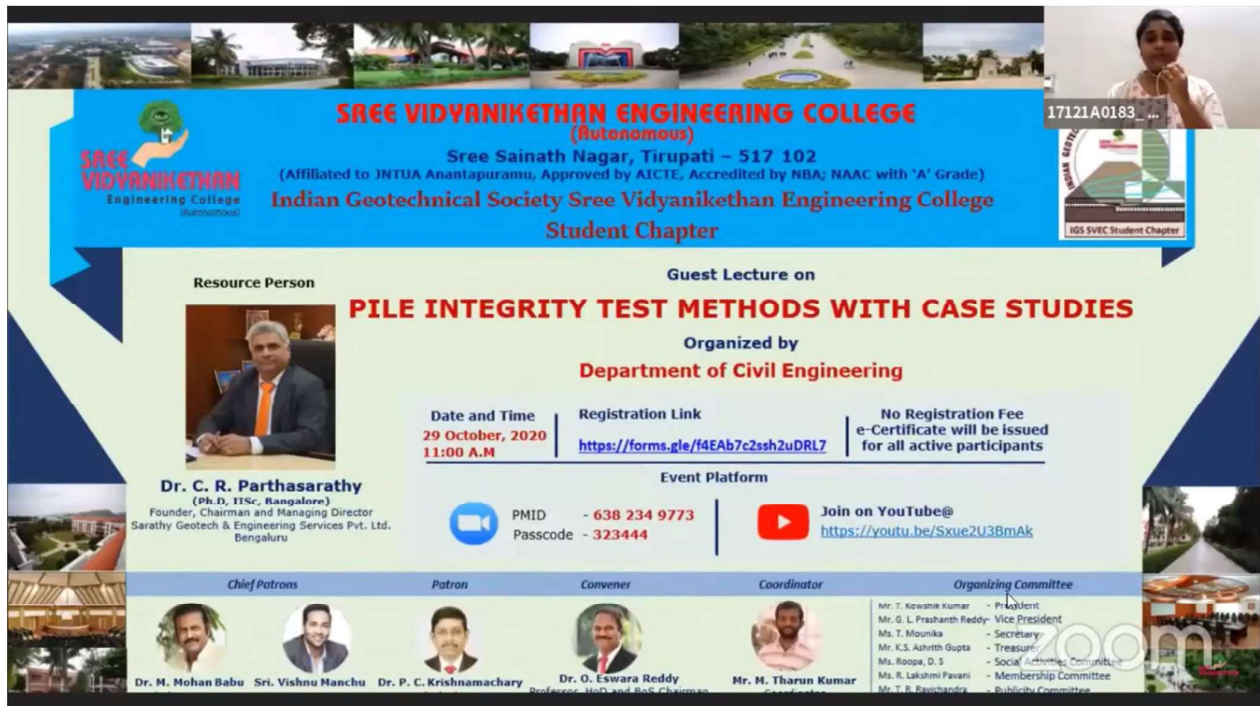
**Event Platform**

 PMID - 638 234 9773  
Passcode - 323444


 **Join on YouTube@**  
<https://youtu.be/Sxue2U3BmAk>

Chief Patrons	Patron	Convener	Coordinator	Organizing Committee	
 <b>Dr. M. Mohan Babu</b> Chairman, SVET	 <b>Sri. Vishnu Manchu</b> CEO, SVET	 <b>Dr. P. C. Krishnamachary</b> Principal, SVEC	 <b>Dr. O. Eswara Reddy</b> Professor, HoD and BoS Chairman & Faculty Advisor IGS SVEC Student Chapter	 <b>Mr. M. Tharun Kumar</b> Coordinator IGS SVEC Student Chapter 9492594305	<ul style="list-style-type: none"> <li>Mr. T. Kowshik Kumar - President</li> <li>Mr. G. L. Prashanth Reddy - Vice President</li> <li>Ms. T. Mounika - Secretary</li> <li>Mr. K.S. Ashrith Gupta - Treasurer</li> <li>Ms. Roopa, D.S - Social Activities Committee</li> <li>Ms. R. Lakshmi Pavani - Membership Committee</li> <li>Mr. T. R. Ravichandra - Publicity Committee</li> <li>Mr. T. Venkatesh Prasad - Fund Raising Committee</li> <li>Ms. T. Hemalatha - Community Service Committee</li> </ul>

Flyer of the Event



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**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/f4EAb7c2ssh2uDRL7>

**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>

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 <b>Dr. M. Mohan Babu</b> Chairman, SVET	 <b>Sri. Vishnu Manchu</b> CEO, SVET	 <b>Dr. P. C. Krishnamachary</b> Principal, SVEC	 <b>Dr. O. Eswara Reddy</b> Professor, HoD and BoS Chairman & Faculty Advisor IGS SVEC Student Chapter	 <b>Mr. M. Tharun Kumar</b> Coordinator IGS SVEC Student Chapter 9492594305	<ul style="list-style-type: none"> <li>Mr. T. Kowshik Kumar - President</li> <li>Mr. G. L. Prashanth Reddy - Vice President</li> <li>Ms. T. Mounika - Secretary</li> <li>Mr. K.S. Ashrith Gupta - Treasurer</li> <li>Ms. Roopa, D.S - Social Activities Committee</li> <li>Ms. R. Lakshmi Pavani - Membership Committee</li> <li>Mr. T. R. Ravichandra - Publicity Committee</li> <li>Mr. T. Venkatesh Prasad - Fund Raising Committee</li> <li>Ms. T. Hemalatha - Community Service Committee</li> </ul>

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



**Indian Geotechnical Society  
Sree Vidyanikethan Engineering College (IGS SVEC) Student Chapter**



**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.  
Bangalore

**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/f4EAb7c2ssh2uDRL7>

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

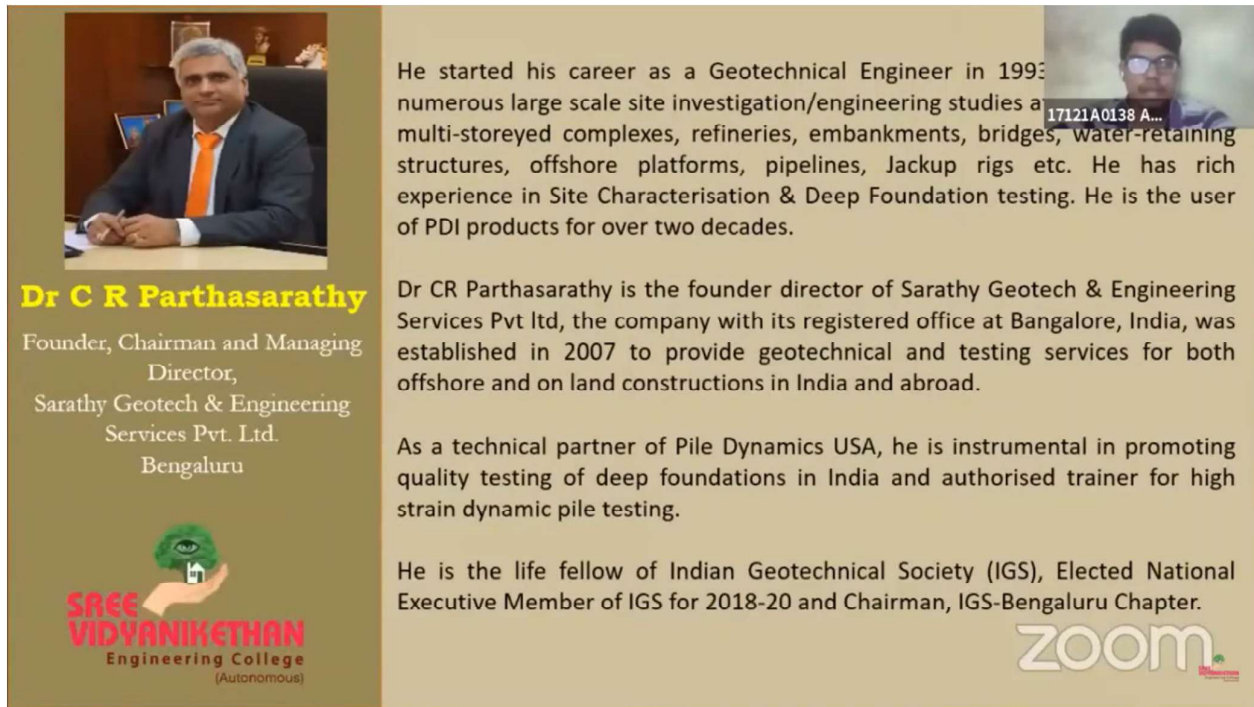
**Event Platform**

 PMID - 638 234 9773  
Passcode - 323444

 **Join on YouTube@**  
<https://youtu.be/Sxue2U3BmAk>

Chief Patrons	Patron	Convener	Coordinator	Organizing Committee	
 Dr. M. Mohan Babu Chairman, SVET	 Sri. Vishnu Manchu CEO, SVET	 Dr. P. C. Krishnamachary Principal, SVEC	 Dr. O. Eswara Reddy Professor, HoD and BoS Chairman & Faculty Advisor IGS SVEC Student Chapter	 Mr. M. Tharun Kumar Coordinator IGS SVEC Student Chapter 9492594305	Mr. T. Krawalik Kumar - President Mr. E. L. Prashanth Reddy - Vice President Ms. T. Mounika - Secretary Mr. K.S. Ashrith Gupta - Treasurer Ms. Roopa, D. S - Social Activities Committee Ms. R. Lakshmi Pavani - Membership Committee Mr. T. R. Ravichandra - Publicity Committee Mr. T. Venkatesh Prasad - Fund Raising Committee Ms. T. Hemalatha - Community Service Committee

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



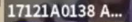
**Dr C R Parthasarathy**  
Founder, Chairman and Managing Director,  
Sarathy Geotech & Engineering Services Pvt. Ltd.  
Bangalore

He started his career as a Geotechnical Engineer in 1993 and has completed numerous large scale site investigation/engineering studies at multi-storied 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-Bangaluru Chapter.



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

**PDI**  
Pile Dynamics, Inc.

**ANOMOLIES IN PILE CONSTRUCTION**

CR Parthasar...

Necking      Crack - Break      Bulging

zoom

Low Strain Impact Pile Integrity Testing using PIT

CR Parthasar...

GOOD

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DEFECT

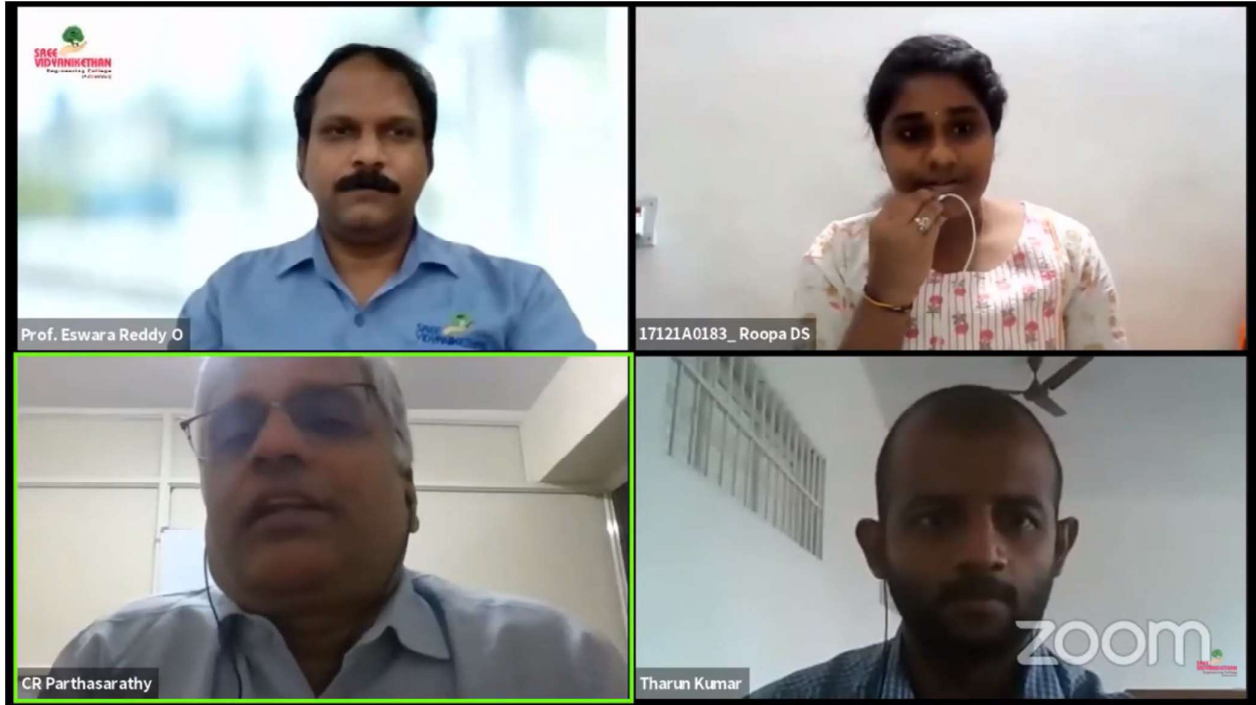
BAD

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3: # 51 54 55  
25.00m (4150m/s)  
x 40

zoom

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"





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

***YouTube Link of the Session***

[https://www.youtube.com/watch?v=ENFbNec\\_eI](https://www.youtube.com/watch?v=ENFbNec_eI)



Department of Civil Engineering  
**IGS SVEC Student Chapter**  
[igs@vidyanikethan.edu](mailto:igs@vidyanikethan.edu)



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**(AUTONOMOUS)**

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