

# **SAGI RAMAKRISHNAM RAJU ENGINEERING COLLEGE (A)**

(AFFILIATED TO JNTUK, KAKINADA) (RECOGNISED BY ALL INDIA COUNCIL FOR TECH.EDN., NEW DELHI)

**CHINNA AMIRAM (PO): BHIMAVARAM-534 204, W.G.Dt., A.P., INDIA.**

**DEPARTMENT OF CIVIL ENGINEERING**

## **STUDENT ACTIVITIES 2020-2023**

### **Polavaram Earthen and Rockfill Dam Visit – 22<sup>nd</sup> April 2023**

The Department of Civil Engineering of SRKR Engineering College has organized a Field Visit to "Pollavaram Earth and Rockfill Dam", Pollavaram, West Godavari District, Andhra Pradesh, for III B.Tech Civil Engineering students on 22nd April 2023. The program aims to help the students understand the practical applications of the theoretical concepts learned during their coursework. One hundred sixty III B.Tech Civil Engineering 2nd Semester students participated in this field visit.



Engineers explaining about Spillway mechanism to students

### **Well foundation works at Dindi, East Godavari district Andhra Pradesh – 24<sup>th</sup> March 2023**

The Department of Civil Engineering of SRKR Engineering College has organized a Field Visit to "Well foundation construction", Dindi, East Godavari District, Andhra Pradesh, for II B.Tech Civil Engineering students on 24th March 2023. The program aims to help the students understand the practical applications of the theoretical concepts learned during their coursework. One hundred twenty II B.Tech Civil Engineering 2nd Semester students participated in this field visit.



Engineers explaining about well foundation construction to students

### **Go-green camp on world environmental day - 5<sup>th</sup> June 2022**

Outreach Activity an awareness Program on “Importance of Plants”, on world environmental day 2022 includes plantation drive. Cheyutha Student Club has organized an Outreach Activity i.e., An Awareness Program on “Importance of plants” and plantation drive under SRKREC IGS Student Chapter on 5<sup>th</sup> June 2022. The objective of the program is to motivate, create awareness and impart knowledge on sustainable environment to the Public or Community.



Go green camp and plantation drive by students

### **Workshop on “career options for civil engineers at present job market” - 3<sup>rd</sup> May 2022**

The Department of Civil Engineering of SRKR Engineering College under SRKREC IGS Student Chapter has organized a one-day workshop on “Career options for civil engineers at present job market” for civil engineering UG students’ 3<sup>rd</sup> May 2022 through Zoom Platform.

The resource person was an eminent personality from the industry, Er. P Rajakumar, Project Engineer,



AFCONS infrastructure limited. He explained the ideas and experiences in construction management and the role of civil engineers in the field. Also, he suggested various field opportunities for fresher students. A total of 240 students from III/IV and final year UG students and 06 faculty members from the host department participated in the session.



Session by Er. Rajakumar

### **Positive thinking and save soil campaign - 30<sup>th</sup> April 2022**

Outreach Activity an awareness Program on “Positive thinking and Save soil”, organized by SRKREC IGS Student Chapter to create an awareness on “Importance of soil” and positive thinking for current children and students, on 30<sup>th</sup> April 2022. The objective of the program is to motivate, create awareness and impart knowledge on sustainable environment to the Public or Community.

Positive thinking books were distributed to the students to create awareness on positive thinking to reduce the stress levels and negative thinking mindsets.



Students campaign on save soil

### **National level technical symposium “Supernova 2k22” - 7<sup>th</sup> May 2022**

The event started with the formal Inaugural function at 9.30a.m in the Department Seminar Hall. Chief guest Mr. V. Appala Raju, Managing Director, SLV constructions Pvt Limited, Dr M Jagapathi Raju, Principal SRKREC, Dr. ACSV Prasad, HOD, SRKREC, and Mr. M. Venkata Rao, Faculty

Coordinator were present on the dias, on 7<sup>th</sup> May 2022. The function started with Invocation Song, followed by the welcome speech given by Harini of 4<sup>th</sup> year student.

All technical and non-technical events were conducted, students from 9 different colleges participated. We have a total count of 269 students registered for different events. All events were completed by 5pm with the winners list. The cultural event was organized by SRKREC IGS Student Chapter.



Poster release event and student activities

### **Workshop on “Recent advancements in transportation geotechnics” - 22<sup>nd</sup> April 2022**

The Department of Civil Engineering of SRKR Engineering College has organized a workshop on “Recent advancements in transportation geotechnics” under SRKREC IGS Student Chapter on 22<sup>nd</sup> April 2022. 3<sup>rd</sup> year UG students attended this workshop to gain the recent field advancements in geotechnical engineering.



**Speaker:**

Mr. Vishnu Teja, Assistant Project Engineer, L&T Kerala



Session by Mr. Vishnu Teja

**Field Visit to “Industrial Boilers and Condensation Process, Lakshmi Furals Pvt Lmtd Avapadu, India” - 26<sup>th</sup> March 2022**

The SRKREC IGS Student Chapter has organized a research forum on 24<sup>th</sup> March 2022, and selected merit students of 4/4 project batch leaders were selected for a visit to chemical industry to gain the knowledge furfural processing unit on 26<sup>th</sup> March 2022. Moreover, furfural extracted corn cob ash was collected in the industry to study the viability of the ash as a construction material. Four project batch students were encouraged to study the properties of the material as well as suitability of the material in construction activity.



Student interactions and activities

**CIVICTURE 2022: Technical Skills Improvement Program and CIVORIENT 2022: Technical Skills Improvement Program - 18<sup>th</sup> Dec 2021 and 15<sup>th</sup> March 2022**

The SRKREC IGS Student Chapter has organized a technical skills improvement program for Civil engineering UG 2<sup>nd</sup> year and 3<sup>rd</sup> year students on 18<sup>th</sup> Dec 2021 and 15<sup>th</sup> March 2022, respectively.



Student interactions and activities

### **Workshop on “Qualitative research and Systematic approach for publishing papers” - 4<sup>th</sup> March 2022**

The Department of Civil Engineering of SRKR Engineering College has organized a virtual workshop on “Qualitative research and systematic approach for publishing papers” for civil engineering final year students under SRKREC IGS Student Chapter on 4<sup>th</sup> March 2022 through Zoom Platform.

The resource persons are eminent personalities from the academics and research Prof. A Senthil Kumar and Prof. Jaspreet Kaur.

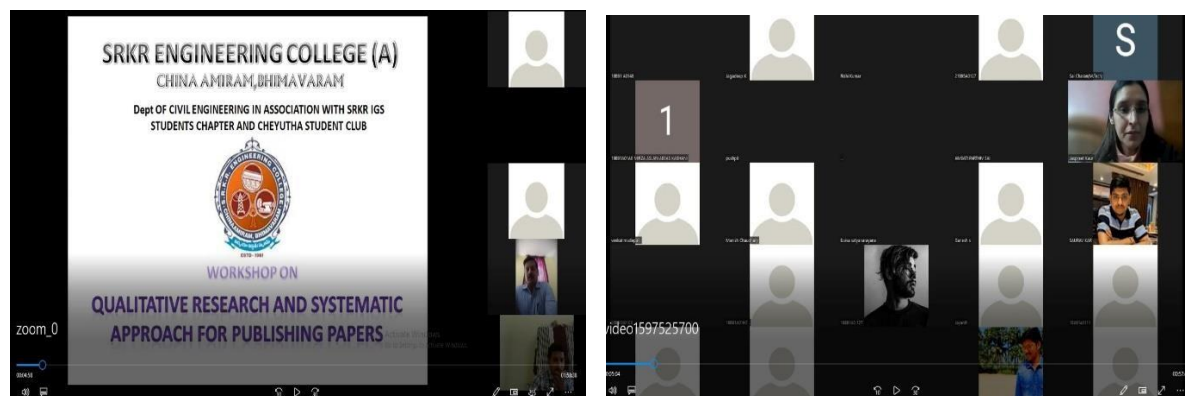
Experts explained the fundamentals of qualitative research, identification of problem statement, paper writing, research tools, how to publish peer reviewed articles. A total of 100 students from final year UG students from the host department and students and faculty members from the other institutions participated in the two sessions.

In addition, experts interacted with the Student Office Bearers of SRKREC IGS Student Chapter and faculty of civil engineering and gave suggestions for the SRKREC IGS Student Chapter. He appreciated the efforts of management, faculty, and student officers of chapter.

#### **Speakers:**

Dr. A.V. Senthil Kumar, Professor and Director, Hindustan college of arts and science, Coimbatore

Dr. Jaspreet Kaur, Pearl Academy, New Delhi



Session by Prof. Kaur

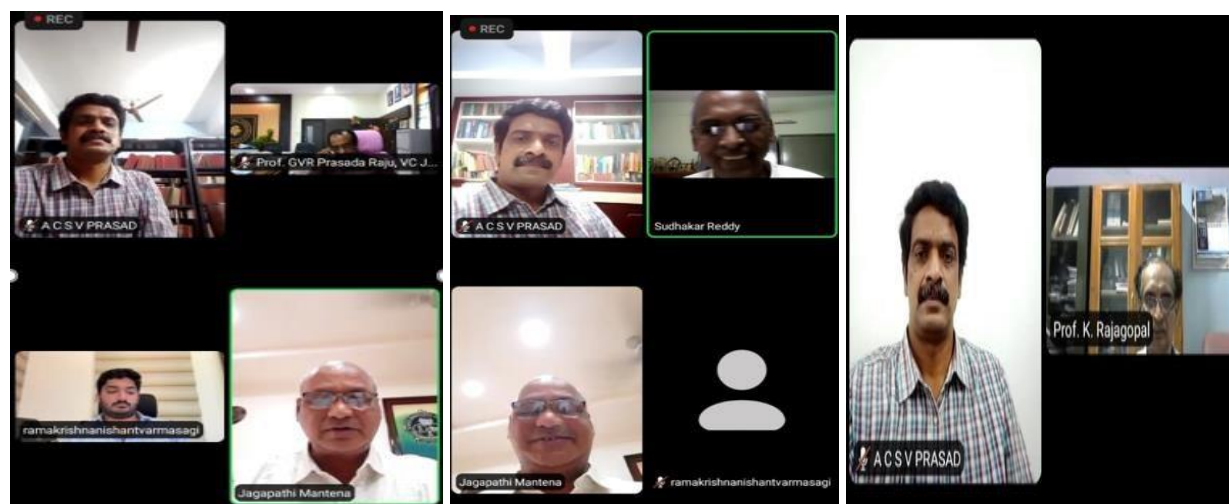
### **Workshop on “Pavements and Geosynthetic-reinforced Retaining Walls and Embankments” - 4<sup>th</sup> Dec 2021**

The Department of Civil Engineering of SRKR Engineering College has organized a virtual workshop on “Pavements and geosynthetic-reinforced retaining walls and embankments” for civil engineering UG students under Cheyutha Student Club and SRKREC IGS Student Chapter on 4<sup>th</sup> Dec 2021 through Zoom Platform.

The resource persons are eminent personalities from the academics and research Prof. Sudhakar Reddy, IIT Karaghpur and Prof. Rajagopal, IIT Madras.

Experts explained the construction activities involved with geosynthetics and their role in retaining walls and pavements. A total of 150 students from final year UG, students from the host department and students and faculty members from the other institutions participated in the two sessions.

In addition, experts interacted with the Student Office Bearers of SRKREC IGS Student Chapter and faculty of civil engineering and gave suggestions for the SRKREC IGS Student Chapter. He appreciated the efforts of management, faculty, and student officers of chapter.



Student interaction with Prof. Sudhakar and Prof. Rajagopal



## **Civilian Freshers Day 2021 - 29 November 2021**

Civilian freshers' day was jointly organized by the Department of Civil Engineering, S.R.K.R. Engineering College, India and SRKREC IGS Student Chapter on 29<sup>th</sup> Nov 2021. The program started on 29 November 2021 with the registrations of newly admitted students to SRKREC IGS Student Chapter. After the completion of registration process, a meeting of college authorities with the students and their parents was arranged to bring awareness among the students about highlights of civil engineering and to help new students adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members, and expose them to a sense of larger purpose and self-exploration. In this context, a work environment was created to understand the role of civil engineers. Following are the activities during the program:

- 1) Model exhibition
- 2) Awareness on the socially relevant topics
- 3) Interaction sessions with senior students



Faculty and final year students' interaction with freshers



Student activities and interactions

## **Indo-Chile Workshop on “Recent Advancements in Geotechnical Earthquake Engineering” - 7 Sept -9 Sept 2021**

Indo- Chile Workshop jointly organized by the Department of Civil Engineering, S.R.K.R. Engineering College, India and University of Chile, Chile, in association with Soil Dynamics Forum, Indian Society of Earthquake Technology & Indian Geotechnical Society Kakinada Chapter from 7 Sept -9 Sept 2021. This event was supported by the SRKREC IGS Student Chapter.



## Speakers:

Dr. G R Dodagoudar Professor, IIT Madras

Dr. A Murali Krishna Professor, IIT Tirupati

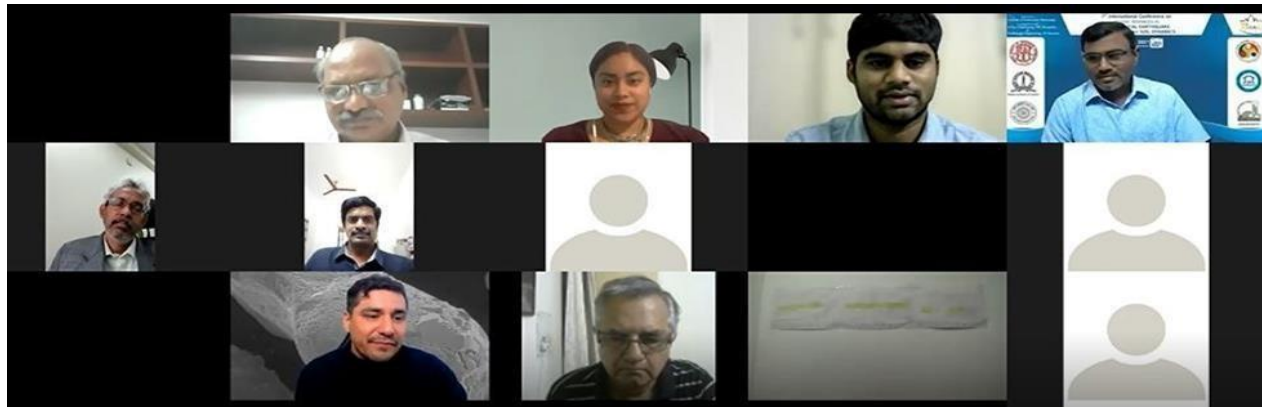
Dr. Neelima Satyam Associate Professor, IIT Indore

Dr. Yolanda Alberto Assistant Professor, University of Chile

Dr. Felipe Ochoa Assistant Professor, University of Chile

Cesar Pasten Assistant Professor, University of Chile

The workshop was free (no cost) for students, academicians, practicing engineers, scientists, and other interested people from all over the world. The workshop thus intended to reach as many audiences as possible across the globe by creating an online interactive learning platform. More than 1000 participants registered for the workshop from across 12 different countries. Six sessions were completed on the three-day duration of the workshop, with two sessions held each day starting 5.30 PM (IST) [09.00AM (CLT)]. Each day, the first session was conducted by an eminent expert from the Indian universities. The second session of each day was handled by eminent speakers from Chile universities. Each session had a duration of one hour including the question answer session. The workshop had a total reach of 1000 participants from 12 different countries.



**Soil information**

Data sources

- Soil mechanics public reports
- Data given by private companies
- Thesis

• 281 points, 137 resistance values and 144 soil profiles

- Plasticity, fines content, resistance
- Interpolation for missing points

Lecture 1

**Performance-Based Seismic Analysis of Bridge Pier with Rocking Shallow Foundation**

G. R. Dodagoudar  
DEPARTMENT OF CIVIL ENGINEERING  
I I T MADRAS, CHENNAI - 600 036.

Figure 2

### Day 1, Indo-Chile workshop inaugural event

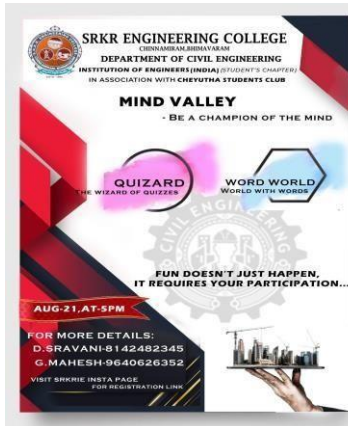
Dr. M. Jagapathi Raju, Professor and Principal, shared some insights on the overview on the content development, old journals availability on website, a platform for interaction with field professionals and geotechnical testing in India in his closing remarks in the valedictory function. Sri K. Jeeva Sagar IFS, Director, SRKREC, extended his appreciation to the organizers for collaborating international events like this workshop by converting the challenges raised by Covid19 pandemic to opportunities, in his concluding remarks. Dr. A.C.S.V Prasad, Associate Professor and HoD, Department of Civil

Engineering, SRKREC, Faculty Coordinator of the event Mr. T. Vamsi Nagaraju and faculty members from the host department graced the occasion. The workshop was concluded by a vote of thanks from the office bearers of SRKREC IGS Student Chapter.

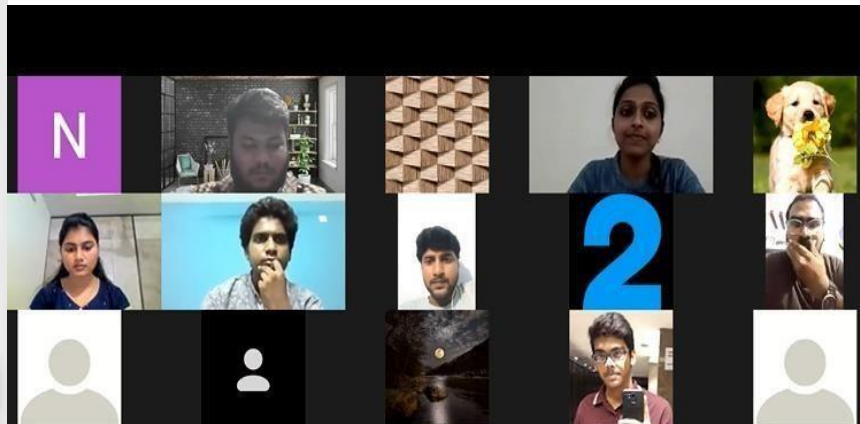
### **MIND VALLEY 2021: Online Quiz Competition - August 21, 2021**

The Department of Civil Engineering of SRKR conducted the "MIND VALLEY " event under SRKREC IGS Student Chapter on August 21, 2021. This event was conducted for 1st year students. The main objective of the event involves the enhancement of the quality of technical education. The event started at 5:15PM and concluded by 6:30PM. The event itself was mainly divided into two streams namely, Quizard and Word-World. The event was a significant success with a considerable count of 46. The Quizard is a technical event with a primary motto to improve the technical knowledge of the students. Word-World is a non-technical event. It mainly focuses on Linguistic capabilities. The whole event was conducted with great zeal and enthusiasm. Mr. T. Vamsi Nagaraju, Assistant Professor, Coordinator- SRKREC IGS Student Chapter judged the participants on different criteria such as knowledge, presentation, demonstration, creativity, and content. Office barriers of SRKREC IGS Student Chapter were the organizers of this program.

The prize winners were judged purely based on subject knowledge and presentation skills. The first prize to Poorna (20B91A0143), the second prize to Aruna (20B91A0120) and the third Prize to Manasa (20B91A0189) were awarded. Participation certificates were distributed to all the participants.



MIND VALLEY poster



Participants and SRKREC IGS  
student barriers interaction

### **DIGITENT 2021: Technical PowerPoint Presentation Competition - August 3, 2021**

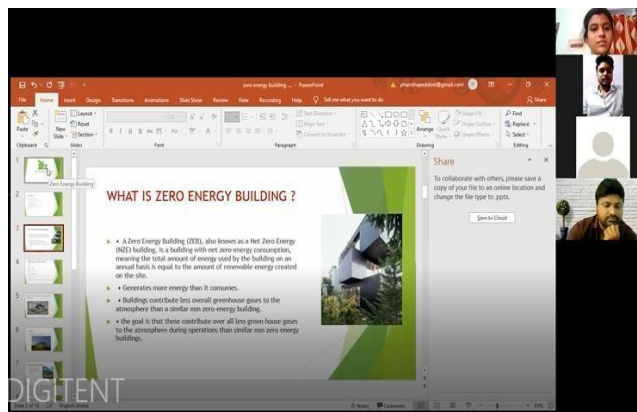
The Department of Civil Engineering of SRKR conducted the "DIGITENT" event under SRKREC IGS Student Chapter on August 3, 2021. This is the second event conducted to 2nd year students. The main objective of the event involves the enhancement of the quality of technical education. Digitent is all about technical powerpoint presentation. The event started at 5:15PM and concluded by 6:30PM. The event was a significant success with a considerable number of 11. The primary motto of this event is to enhance the presentation and communication skills of the students. Mr. T. Vamsi Nagaraju, Assistant Professor, Coordinator- SRKREC IGS Student Chapter judged the participants on different criteria such as knowledge, presentation, demonstration, creativity, and content. Office



barriers of SRKREC IGS Student Chapter were the organizers of this program. The prize winners were judged purely based on subject knowledge and presentation skills. The first prize to Ch. William Marks (19B91AO129), the second prize to Ch. Kalyani (20B95A0104) and the third Prize to P. Phanitha (19B91A01C5) were awarded. Participation certificates were distributed to all the participants.



DIGITENT poster



Mr. Venkata Rao, Assistant Professor interacting with participants

### **CIVICLAN 2021: Online Quiz Competition - July 5, 2021**

The Department of Civil Engineering of SRKR conducted the "Civician " event under SRKREC IGS Student Chapter on July 5, 2021. The main objective of the event involves the enhancement of the quality of technical education. The event started at 5:15PM and concluded by 6:30PM. The event itself was mainly divided into two streams namely, Conquiz and Orator. The conquiz is a technical event with a primary motto to improve the technical knowledge of the students. The Orator is a managerial event that mainly focuses on improvement of communication skills. The event was a significant success with a considerable count of 51. The whole event was conducted with great zeal and enthusiasm. Mr. T. Vamsi Nagaraju, Assistant Professor, Coordinator- SRKREC IGS Student Chapter judged the participants on different criteria such as knowledge, presentation, demonstration, creativity, and content. Office barriers of SRKREC IGS Student Chapter were the organizers of this program. The prize winners were judged purely based on subject knowledge and presentation skills. The first prize went to Amebdkar Pothula (19B91AO1D4), the second prize to Vamsi Tullimelli (19B91B0140) and the third Prize to Maddala Monika Devi (20B915A0113) were awarded. Participation certificates were distributed to all the participants.



CIVICLAN poster



Participants and SRKREC IGS student barriers interaction

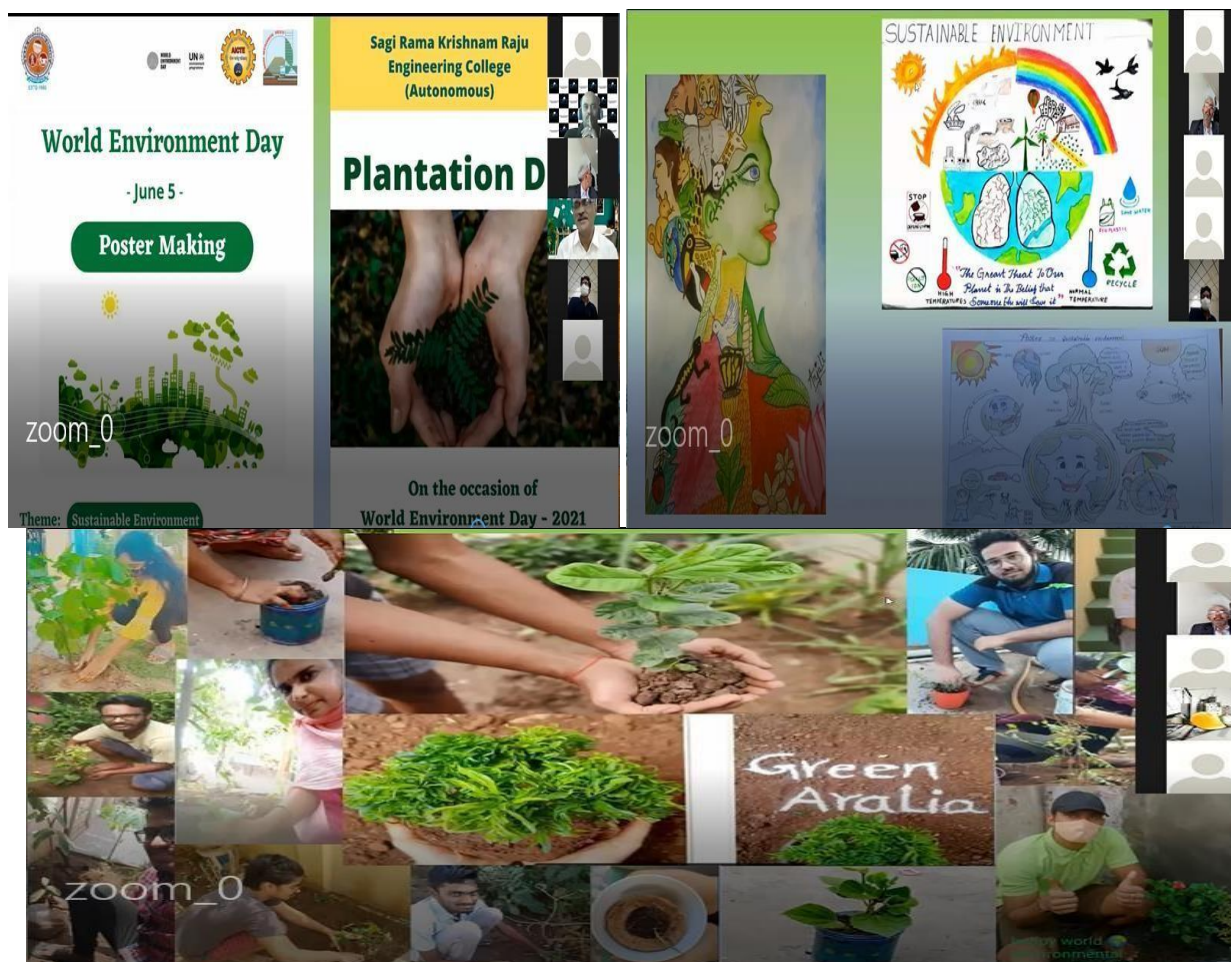
### **Plantation Drive and Poster Making Competition on World Environmental Day 2021 - 5<sup>th</sup> June 2021**

Outreach Activity an awareness Program on “Importance of Plants”, on world environmental day 2021 includes plantation drive. The Department of Civil Engineering has organized an Outreach Activity i.e., An Awareness Program on “Importance of plants” and plantation drive under SRKREC IGS Student Chapter on 5<sup>th</sup> June 2021. The objective of the program is to motivate, create awareness and impart knowledge on sustainable environment to the Public or Community.

Poster making Competition on “Sustainable Environment ” under SRKREC IGS Student Chapter on 5<sup>th</sup> June 2021. • A total of 37 students from I, II, III and IV B.Tech. Civil Engineering II Semester participated in the event. The whole event was conducted with great zeal and enthusiasm. The competition was conducted through Zoom Platform. Mr. T. Vamsi Nagaraju, Assistant Professor, Coordinator- SRKREC IGS Student Chapter judged the participants on different criteria such as knowledge, presentation, demonstration, creativity and content. Office barriers of SRKREC IGS Student Chapter were the organizers of this program. The prize winners were judged purely based on subject knowledge and presentation skills. The first prize to Miss. P.Lakshmi Srujana of II B. Tech. IT, the second prize to Miss. N Jahanavi of I B. Tech. CE and the third Prize to K. Lavanya of I B. Tech. CE were awarded. Participation certificates were distributed to all the participants.

Sri. S. Nishanth Varma, CEO SRKREC, Sri. K. Jeeva Sagar IFS, Director, SRKREC, Dr. M. Jagapathi Raju, Professor and Principal and Dr. A.C.S.V Prasad, Associate Professor and HoD, Department of Civil Engineering, SRKREC and faculty members from the host department graced the occasion. Office bearers of SRKREC IGS Student Chapter were the organizers of this programme.





Participants in the plantation drive

### **Final year students' participation in Indo-Japan and Indo-Canadian Workshops – June and October 2020**

From Department of Civil Engineering of SRKR Engineering College, 220 Student Members of SRKREC IGS Student Chapter from final year civil engineering have participated in Indo-Japan and Indo-Canadian workshops, organized by IGS Surathkal Chapter, National Institute of Technology Karnataka, Surathkal. Mr. T. Vamsi Nagaraju, Assistant Professor of Civil, SRKREC, Bhimavaram, acts as an organizing team member for both international workshops.



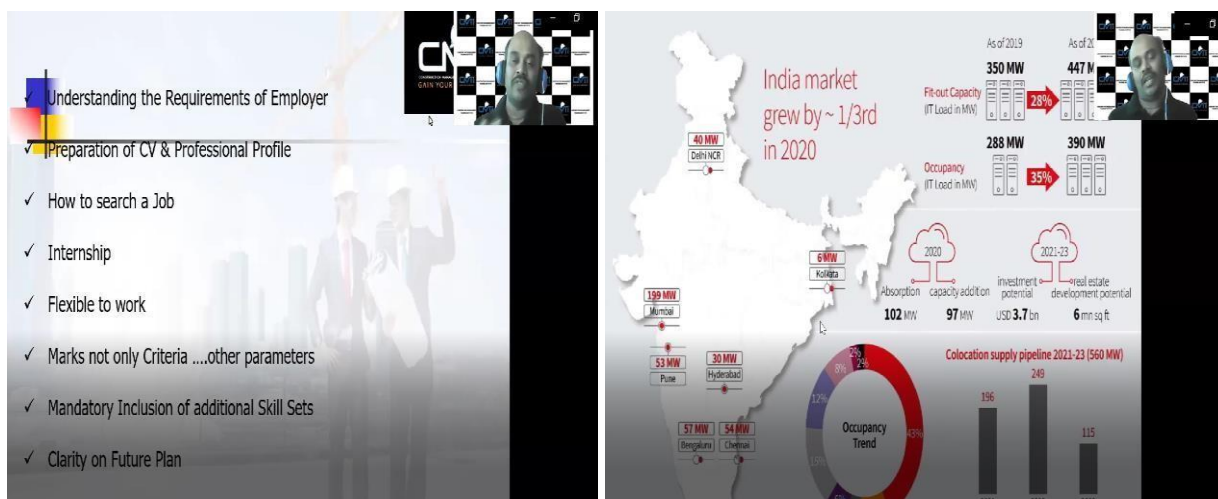
### **Webinar on “Career Options – Civil Engineers” - 5<sup>th</sup> June 2021**

The Department of Civil Engineering of SRKR Engineering College has organized a one-day webinar on “Career Options – Civil Engineers” for civil engineering UG students under SRKREC IGS Student Chapter on 5<sup>th</sup> June 2021 through Zoom Platform.

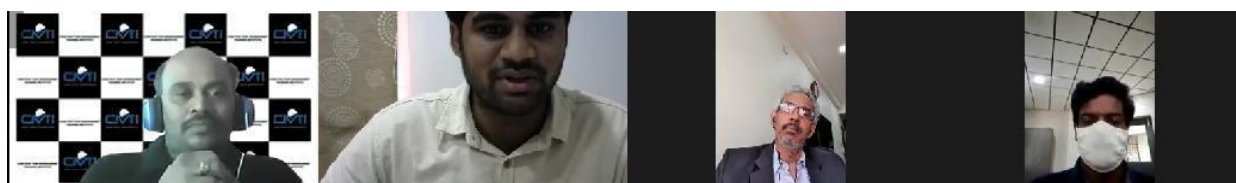
The resource person was an eminent personality from the industry, Er. Ashok Kumar, CEO, Construction Management and Training Institute, Bangalore. He explained the ideas and experiences in construction management and the role of civil engineers in the field. Also, he suggested various field opportunities for fresher students. A total of 240 students from III/IV and final year UG students and 06 faculty members from the host department participated in the session.

In addition, Er. Ashok Kumar interacted with the Student Office Bearers of SRKREC IGS Student Chapter and faculty of civil engineering and gave suggestions for the student chapter and on teaching and research frontiers for faculty. He appreciated the efforts of management, faculty and staff. Sri. S. Nishanth Varma, CEO SRKREC, Sri. K. Jeeva Sagar IFS, Director, SRKREC, Dr. M. Jagapathi Raju, Professor and Principal and Dr. A.C.S.V Prasad, Associate Professor and HoD, Department of Civil Engineering, SRKREC and faculty members from the host department graced the valedictory event.





Day 1, Session 1 by Er. Ashok Kumar CEO and Founder, CMIT, Bangalore



Er. Ashok Kumar interacting with the management and faculty of the host department, SRKREC, Bhimavaram

### **Virtual workshop on “Interactive Design in Transportation Geotechnics: Theory to Practice” - 29<sup>th</sup> – 30<sup>th</sup> May 2021**

The Department of Civil Engineering of SRKR Engineering College has organized a virtual workshop on “Interactive Design in Transportation Geotechnics: Theory to Practice” for civil engineering UG students under SRKREC IGS Student Chapter on 29<sup>th</sup> – 30<sup>th</sup> May 2021 through Zoom Platform.

The resource persons are eminent personalities from the industry Er. N P Vital, Former Quality engineer, Keller Ground Improvement, Cochin and Er. Vishnu Teja, Assistant Engineer, L&T Kerala-Mumbai Highway Project. Er. N P Vital explained the construction activities involved in the stone columns for oil storage tanks. Er. Vishnu Teja explained the role of site engineer and quality engineer in highway construction and field construction management. A total of 210 students from final year UG students from the host department and students and faculty members from the other institutions participated in the two days sessions.

In addition, experts interacted with the Student Office Bearers of SRKREC IGS Student Chapter and faculty of civil engineering and gave suggestions for the student chapter and on teaching and research frontiers for faculty. He appreciated the efforts of management, faculty and staff.



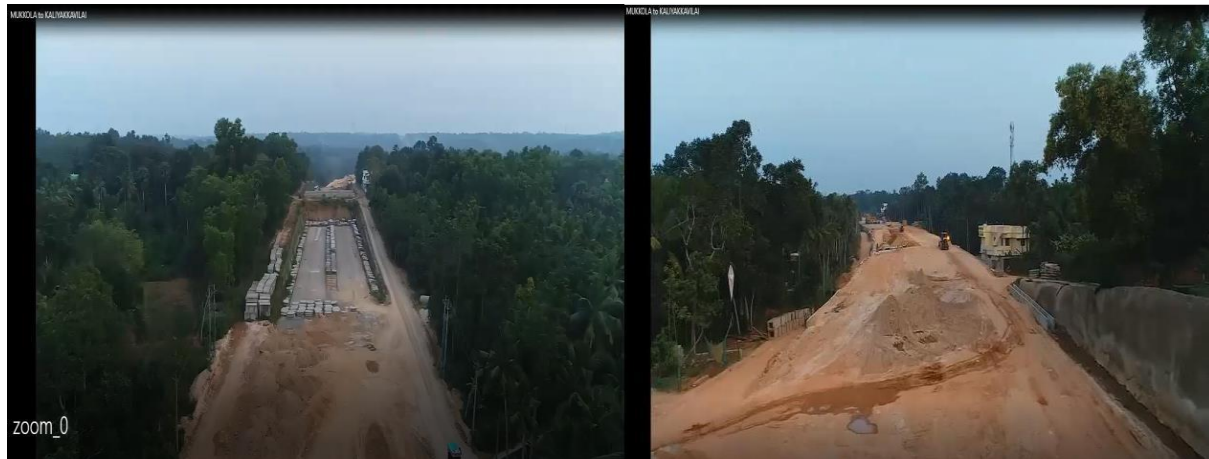
Day 1, Session 1 by Er. Vishnu Teja, Assistant Engineer, L&T



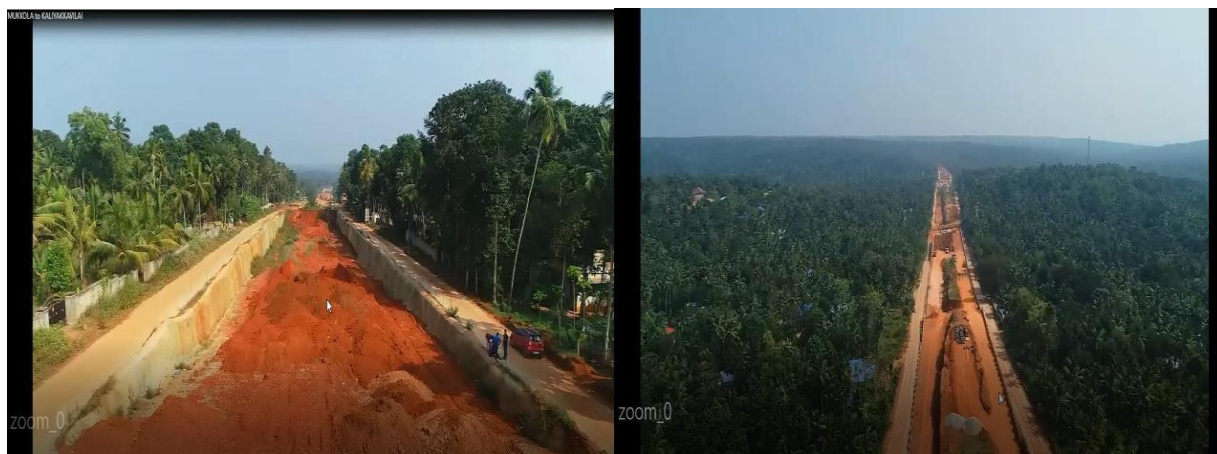
Day 1, Session 2 by Er. N. P. Vital, Former Assistant Engineer, Keller Ground Improvement

## **Virtual field visit on “Mukkola to Kaliyakkavilai National Highway Construction” - 30th May 2021**

The Department of Civil Engineering of Sagi Rama Krishna Raju Engineering College, Bhimavaram, Andhra Pradesh organized a Virtual Field Visit on “Smart Cities- Andhra Pradesh, India” on 30th May 2021 from 3.30 P.M to 4.30 P.M for the benefit of IV B.Tech. II Semester Civil Engineering students through Zoom Platform. The objective of the program is to impart practical knowledge on the construction details of highways which is important for civil engineers to understand. A total of 200 students from IV B.Tech. II Semester Civil Engineering, Department of Civil Engineering, SRKR Engineering College participated in the virtual field visit along with faculty. Er. Vishnu Teja, Assistant Engineer, L&T Kerala-Mumbai Highway Project, explained the construction details and importance of highway i.e., Mukkola to Kaliyakkavilai Road Projects (CH 27+000 to CH 43+000), soil nailing construction details, under passage construction details, pile foundation details etc.



Mukkola to Kaliyakkavilai Road Project site soil nailing construction



Mukkola to Kaliyakkavilai Road Project site subgrade soil stabilization work

### **Terzaghi Lecture on Recent Advancement in Ground Modification - 2<sup>nd</sup> October 2020**

The Department of Civil Engineering of SRKR Engineering College has organized an Expert Lecture on “Recent Advancements in Ground Modification” for civil engineering UG students under SRKREC IGS Student Chapter on 2<sup>nd</sup> October 2020 through Zoom Platform. The resource person was an eminent personality from academia, Dr. G.V.R. Prasada Raju, Professor, Department of Civil Engineering, JNTU University Kakinada.

He explained the ideas and experiences in ground improvement techniques and their importance, knowledge on soil stabilization. A total of 210 students from III/IV and final year UG students and 11 faculty members from the host department participated in the session.

In addition, Dr. G.V.R. Prasada Raju interacted with the Student Office Bearers of SRKREC IGS Student Chapter and faculty of civil engineering and gave suggestions for the student chapter and on teaching and research frontiers for faculty. He appreciated the efforts of management, faculty and staff.





**KARL VON TERZAGHI**  
 Father of Modern Geotechnology  
 (October 2, 1883 – October 25, 1963)

The colorful Austrian was born on October 2, 1883 in Prague where his father, Lieutenant colonel Anton von Terzaghi, was stationed. Instead of following the military tradition of his forefathers, Terzaghi enrolled at the Technical University in Graz and graduated in 1900 with a "Diplom-Ingenieur" (M.Sc.) in mechanical engineering. Upon graduation Terzaghi worked for a Viennese engineering firm that specialized in dams and hydroelectric power plants. Practical experience on projects in Croatia and Russia, combined with a growing interest in geology, exposed Terzaghi to the gaps in knowledge between the geological conditions underlying construction projects and the engineering consequences resulting from these conditions.





**TERZAGHI EVENT**  
 Oct 2<sup>nd</sup> 2020

Organized by

Indian Geotechnical Society Student Chapter, SRKREC  
 in association with  
 Department of Civil Engineering, SRKREC  
 and  
 Indian Geotechnical Society Kakinada Local Chapter



Prof. G. V. R. Prasada Raju Addressing the students