

V R SIDDHARTHA ENGINEERING COLLEGE

(Autonomous)

Department of Civil Engineering



Dt: 22.10.2021

Circular

This is to inform all the students who are the members of Indian Concrete Institute (ICI) student Chapter of this college that the details of the student Executive Council formed after scrutiny are as under:

Details of Student Executive Council, ICI-VRSEC-Student Chapter:

S.No.	Name & Roll. No	Year of Study & Section	Position in Student Executive Council
1	Goda tejaswini (188W1A0113)	IV/IV Sec-A	President
2	Jaya chandra sai prakash yerra (188W1A 0117)	IV/IV Sec-A	Vice President
3	M.Likitha (188W1A01E3)	IV/IV Sec-C	Secretary-1
4	Dasari geethika (188W1A0108)	IV/IV Sec-A	Secretary-2
5	V.Naga venkata meghana sree (188W1A01H4)	IV/IV Sec-C	Joint Secretary-1
6	Mohammed raashid hussain (188W1A0196)	IV/IV Sec-B	Joint Secretary-2
7	Yamini athota (188W1A0158)	IV/IV Sec-A	Treasurer-1
8	Vemulapalli sweasitha sree (188w1A0155)	IV/IV Sec-A	Treasurer-1
9	Kollati harshini (188w1A0122)	IV/IV Sec-A	Student-Coordinator
10	Atla geethika (188W1A0103)	IV/IV Sec-A	Student-Coordinator
11	Damera gautham kumar (188W1A0107)	IV/IV Sec-A	Student-Coordinator
12	Konala kathyayani (188W1A0124)	IV/IV Sec-A	Student-Coordinator
13	Ponnaganti venkata sai rahul (188W1A01A5)	IV/IV Sec-B	Student-Coordinator
14	Sattu radhika (188W1A01A9)	IV/IV Sec-B	Student-Coordinator
15	Kari jayasri (188W1A0182)	IV/IV Sec-B	Student-Coordinator
16	K. SANDEEP (188W1A01G4)	IV/IV Sec-C	Student-Coordinator

The above committee members are requested to meet the faculty coordinator (Dr. K.Hanuma) for further proceedings.

(Dr.Ch. Srinivas)
Prof. & Head, CE Dept.

CC: To

- 1. N.B
- 2. To be read in all CE Classes
- 3. ICI File





Indian Concrete Institute (ICI)-Student Chapter-VRSEC -Activities AY 2021-2022

S.No	Professional Chapter	Type of Event	Date	Event Name	Participants	International/ National/State	Outcome/Impact
1	ICI-VRSEC	Webinar	09-07-2021	Virtual Tour of India's Largest Cement Manufacturing Plant	150	State	The virtual industrial visit has given the students good exposure with regard to the mixing and making of cement, which is an essential requirement for the construction of structures at the site.
2	ICI-VRSEC	Webinar	07-09-2021	"The Importance of Civil Engineers in Making the World a Better Place to Live"	100	State	Civil engineers make use of the principles of civil engineering to design the many structures we see around us. They are responsible for planning and overseeing different construction efforts and applying civil engineering principles to ensure that constructed structures are safe and sturdy.
3	ICI-VRSEC	Student Poster	12/10/2021	"Smart Materials and Techniques for	10	State	This competition presents the latest research advances and findings in the field of Smart

		Competiti		Sustainable Development"			Materials and Techniques for Sustainable Development, focusing on the principles, design and fabrication, test and characterization, performance and mechanism, and their applications in infrastructures.
4	ICI-VRSEC	Short Term Training Program	31/01/2021	"Building Information Modeling in Construction Project Management"	77	State	BIM provides us with the opportunity to drive efficiency in our project management processes, and I hope this training progrgam inspires the students about how we can achieve this. By seeing the future today, through the effective use of BIM, we can improve the planning and delivery of projects to achieve better outcomes for our clients and the public at large.





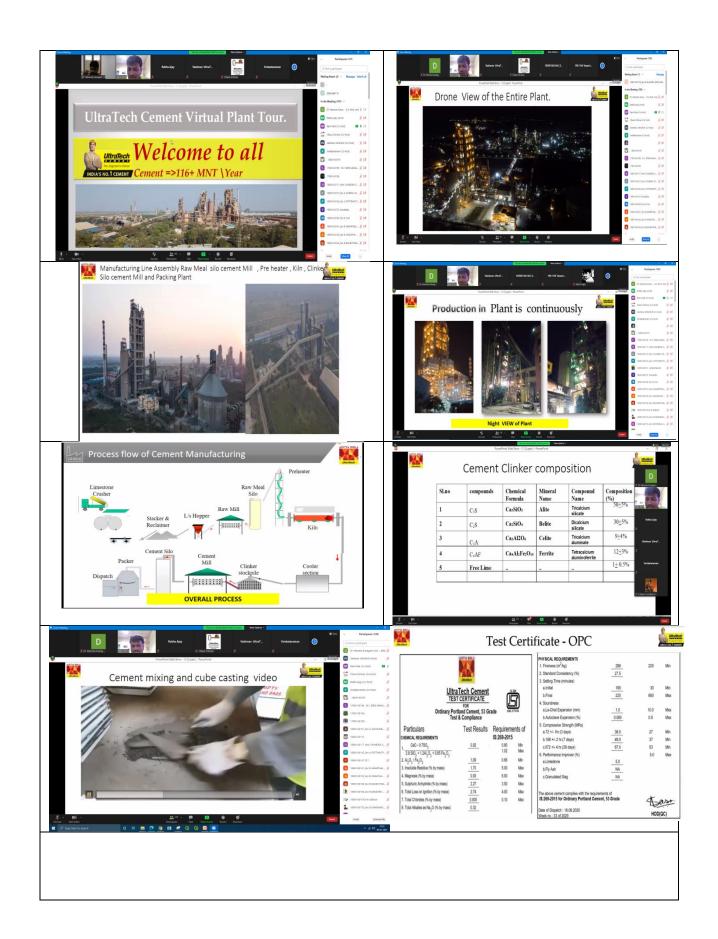
A webinar on Virtual Tour of India's Largest Cement Manufacturing Plant

Event Type	Online Webinar			
Date / Duration	09-07-2021			
Resource Team	Dr. Ram Pant, RCM-Ultra Tech Cement Ltd			
Name of	Mr.Ajay- Ultra Tech Cement Ltd			
Coordinator	Dr.Hanuma Kasagani-Assistant Professor-CED-VRSEC			
Target Audience	B.Tech-students, Faculty members of Civil, Research scholars			
Total no of Participants	150			
Objective of The-event	Students have an opportunity to learn practically through interaction, working methods, and understanding of the practical aspects of the production of cement and other activities managed by industrial sectors.			
Outcome of The-event	The virtual industrial visit has given the students good exposure with regard to the mixing and making of cement, which is an essential requirement for the construction of structures at the site.			
Feedback / Suggestions	B.Tech students and faculty gave positive feedback on the webinar and requested more webinars in this manner.			

Photos







Summary:

A webinar on "Virtual Tour of India's Largest Cement Manufacturing Plant (Rajashree Cement Works-Malkhed-Gulbarga) is organized in the Civil Engineering Department on 09-07-2021 with Dr. Ram Pant, RCM-Ultra Tech Cement Ltd under the ICI VRSEC student chapter banner.

Senior engineer Dr Ram Pant addressed the students and explained the process of cement manufacturing, which includes the various steps involved in the process, beginning with the mining and transporting of raw materials to the plant. The process of manufacturing cement here involves a dry process. The raw material is heated up to 1500°c while calcination occurs, then clinker is formed. Common materials used to manufacture cement include limestone, shells, and chalk or marl combined with shale, clay, slate, silica sand, and iron ore.

The virtual industrial visit comprises photographs and video footage of several installations and operations in the plant. It was very useful to the students, since the manufacturing and production process were clearly shown during this session.

Process Flow Chart Pre blending yard Raw mill Quarry Crusher Stacker & Reclaimer Coal Coal Raw coal Coal mill Kiln Hopper supply Crusher Cooler **Gypsum** Cement mill Fly ash Market Packing Cement Cement silos mill



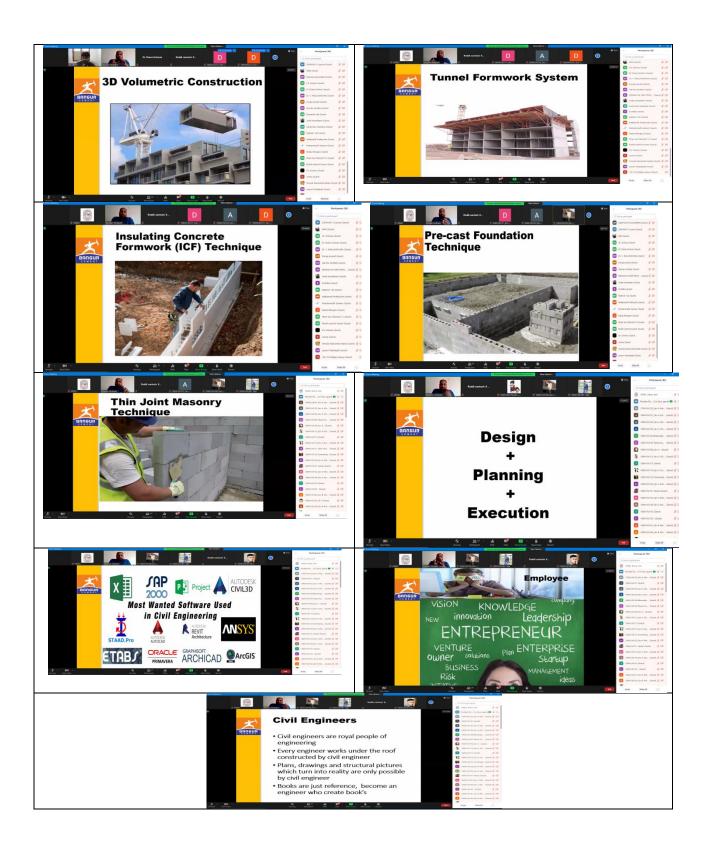


A webinar on "The Importance of Civil Engineers in Making the World a Better Place to Live"

Event Type	Online Webinar				
Date / Duration 07-09-2021					
Resource Team	Mr.Roshan Rednam, State Head – Manager (Technical) for Andhra Pradesh and Telangana Shree Cement Limited				
Name of Coordinator	Dr.Hanuma Kasagani-Assistant Professor-CED-VRSEC				
Target Audience	B.Tech-students, Faculty members of Civil, Research scholars				
Total no of Participants	100				
Objective of The-event	The main aim is to create awareness among the students about what makes civil engineering important to human society, how it has shaped human civilizations, and how it continues to influence our lives in more profound ways. Just a century or two ago, we all were living in a society where there was a shortage of everything. From mud blocks to no-roads, the society was living a life away from the comfort of a home. The architect of today or the civil engineers have changed that all. They suggest changes, alternate designs, and incorporate new elements to make the building a reality. They are playing a great role in protecting us from large-scale disasters like earthquake or hurricanes by erecting structures that could withstand the calamities.				
Outcome of The-event	Civil engineers make use of the principles of civil engineering to design the many structures we see around us. They are responsible for planning and overseeing different construction efforts and applying civil engineering principles to ensure that constructed structures are safe and sturdy.				
Feedback / Suggestions	B.Tech students and faculty gave positive feedback on the webinar and requested more webinars in this manner.				

Photos









Student Poster Competition on "Smart Materials and Techniques for Sustainable Development"



Objective:

The contents focus on a wide range of methods and techniques related to sustainable development fields like smart structures and materials, innovation in water resource development, optical fiber communication, green construction materials, optimization and innovation in structural design, structural dynamics and earthquake engineering, structural health monitoring, nonmaterial's, nanotechnology and sensors, materials for energy conversion and storage devices, and IoT in sustainable development. This completion aims to provide up-to-date and authoritative knowledge from both industrial and academic worlds, sharing best practice in the field of smart materials analysis. The contents of this book will be beneficial to students, researchers, and professionals working in the field of smart materials and sustainable development.

Judging:

Judges for the student poster competition will be selected by the Competition Rules and based on rubrics of the presentation. Competitors should review the Poster Evaluation Form to become familiar with the evaluation criteria. To prepare for questions from the judges, competitors should keep in mind the diverse background/fields of specialty of the judging panel.

Competition Rules:

The poster must include the following:

- Title
- Names of author(s) and affiliated organization(s)
- Abstract (brief summary of objectives, methods, results, and conclusions)
- Background Information
- Project Objectives
- Materials and Methods
- Results (tables, graphs, charts)
- Conclusions
- Discussion of possible future directions or why project is complete

List of Participants and Evolution:

On the occasion of Innovation Day on October 12th, 2021, the Department of Civil Engineering organized a Student Poster Competition on the topic of "Smart Materials and Techniques for Sustainable Development" under the ICI-Student chapter-VRSEC. 10 students from 4 batches have participated in the competitions.

Batch. NO	Торіс	Details of Participants'
	Development of austainable 2d printable concrete	188W1A0103,188W1A0108,
1	Development of sustainable 3d printable concrete	188W1A0113,188W1A0124
2	Housing in outer space	198w1a0103,198w1a0131
		198w1a0157
3	Fly ash as a construction material in cc roads on black cotton soils	188W1A0161,188W1A01H7
4	Causes, Prevention and Repair of Cracks in Building	188W1A0168

The students made excellent use of this occasion and wowed the judges with their kept thinking presentation. The poster on display is vibrant and one-of-a-kind. The students' presentation impresses the department head, dean, and professors. All participants received e-certificates, and the prize winners received monetary awards.

Judging panel:

Dr. Chava Srinivas, HOD, CED-Versec

Mr. A.D.Kumar, Assistant Professor, CED-VRSEC

Dr.K.Hanuma, Assistant Professor, CED-VRSEC

After a detailed examination by the judging panel, Batch No.1 won the first prize, Batch No.3 won the second prize, and a consolation prize was given to Batch No.2.

Prize Winners:

1st prize: Batch No. 1

Ms. Atla Geethika (188W1A0103), Ms. Dasari.Geethika (188W1A0108), Ms. Tejaswini Goda (188W1A0113), and Ms. Konala.Kathayani (188W1A0124).

2nd prize: Batch No. 3

Mr. Amarthaluri Subramanyam (188W1A0161) and Mr. Melam Rahul (188W1A01H7).

Consolation Prize: Batch No. 2

Mr. B.v.saicharan (198w1a0103), Mr. Nagaraju .attili (198w1a0131), Mr.V.sai charan (198w1a0157).

Highlights of the Evolution:













Prize Winners



Outcome:

This competition presents the latest research advances and findings in the field of Smart Materials and Techniques for Sustainable Development, focusing on the principles, design and fabrication, test and characterization, performance and mechanism, and their applications in infrastructures. It also discusses future challenges in the development and application of smart/multifunctional concretes, providing useful theory, ideas and principles, as well as insights and practical guidance for developing sustainable infrastructures. It is a valuable resource for students, researchers, scientists and engineers in the field of civil-engineering materials and infrastructures.

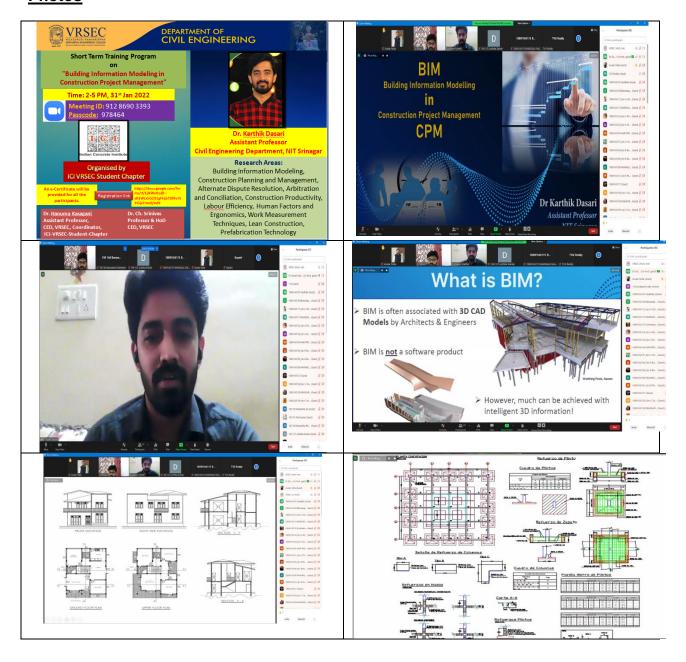




Short Term Training Program on "Building Information Modeling in Construction Project Management"

Event Type	Online Short Term Training Program			
Date / Duration	31-01-2022 – 2PM to 5PM			
Resource Team	Dr. Karthik Dasari, Assistant Professor, Civil Engineering Department, NIT Srinagar			
Name of Coordinator	Dr.Hanuma Kasagani, Assistant Professor, CED-VRSEC			
Target Audience	B.Tech-students, Faculty members of Civil and Research scholars			
Total no of Participants	77			
Objective of The-event	The main aim is to show the correspondence between BIM and project managers' roles on construction projects. It emphasises the importance of having proper BIM knowledge and experience for project managers to succeed and discusses the requirements for BIM knowledge and experience enrichment for project managers. Project management plays an important role in the successful execution of the project. Selection of the proper project management tool for the project is the key to success in completing the project at a specified time and in a standard manner. It is an emerging project management tool that utilises different resources for construction planning and monitoring of the outcomes of these methods to speed up the development cycle, visualization, 3D coordination, resource allocation, effective budget management, 4D simulation of the construction schedule and cost as the fifth dimension (5D). It helps engineers and architects visualise what needs to be designed in a virtual environment and to recognise possible design, construction, or operational problems. "A BIM is a digital representation of physical and functional characteristics of a facility. As such it serves as a shared knowledge resource for information about a facility forming a reliable basis for decisions during its lifecycle from inception onward."			
Outcome of The-event	BIM provides us with the opportunity to drive efficiency in our project management processes, and I hope this training progrgam inspires the students about how we can achieve this. By seeing the future today, through the effective use of BIM, we can improve the planning and delivery of projects to achieve better outcomes for our clients and the public at large. BIM integrates different disciplines by effective communication, analyzes the project systems for constructability, estimates the cost and time of projects at any time using quantity takeoffs, draws a big picture of projects using visualization and builds collaborative teams. All these are what a project manager does in a different scale during a project life cycle.			
Feedback / Suggestions	B.Tech students and faculty gave positive feedback on the STTP-BIM in CPM and requested more training programmes in this manner.			

Photos

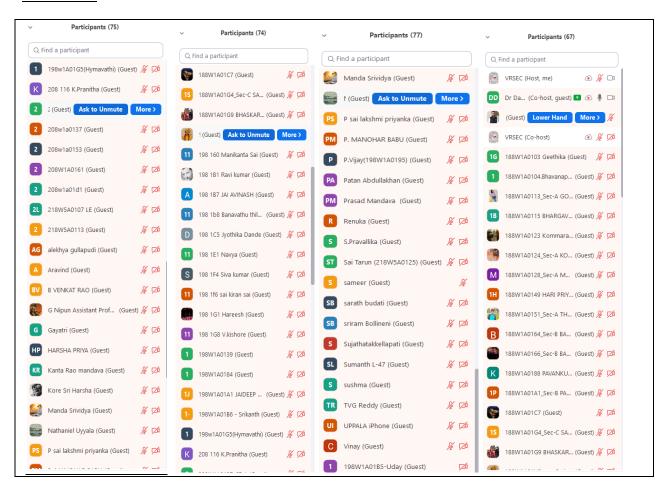








Attendance:



Feedback:

