




GRIET/6C/G/21-22

EVENT SUMMARY REPORT

Griet/Other institutes/Organization Address:	Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad				
Department	Civil Engineering	Professional Body		Institutional Body	
				Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate Change (CST-ERG) & Centre for Water Resources Engineering and Management(CREAM)	
Nature of the Event (Co & Extra Curricular Activities-Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/Conference/ Industry Visit)	WORKSHOP				
Title / Theme of the Event	Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2021)				
Details of the Coordinator & Designation	Dr. Mohammed Hussain, Professor of Civil Engineering				
Event Dates/Days	From	To	No. of Days		
	24 NOV.2021	24 NOV.2021	1		
Details of the Speaker / Guest Organization Address:	<p>Dr. N.Darga Kumar , Assistant Professor & HOD, Department of Civil Engineering, College of Engineering, Manthani, JNTUH</p> <p>Dr. Digvijay S. Pawar ,IIT Hyderabad.</p> <p>Dr. Venkatesh Merwade,</p> <p>Professor, Hampton Hall of Civil Engineering, Purdue University, USA.</p> <p>Er.V.V.Krishna Reddy, Chief Consultant, Continental Designers, Hyderabad</p> <p>Dr.M.Nagalakshmi, Senior Medical Officer, Govt. Nature cure Hospital</p>				
Participants (Teaching Faculty / Non-Teaching Faculty / Students)	No.of Faculty	No. of UG students	No.of PG Students	No.of outside participants	Total Participants
	19	17	8	6	50

<p>Faculty Names & Designation</p>	<p>Dr. Mohammed Hussain, Professor Dr. V.Srinivasa Reddy Professor Dr. G.V.V. Satyanarayana Professor Dr C.Lavanya Professor Dr. T.Srinivas Professor Dr. Atulkumar A Manchalwar Associate Professor Dr. K Srikanth Associate Professor Mr T Srikanth Associate Professor Sri Siva Prasad Raju V Assisstant Professor Mr. Y.Kamala Raju Assisstant Professor Ms. K.Hemalatha Assisstant Professor Mr V Naresh Kumar Varma Assisstant Professor Mr A Vittalaiah Assisstant Professor C Vivek Kumar Assisstant Professor Rathod Ravinder Assisstant Professor A Prakash Assisstant Professor I Chandana Assisstant Professor G Swetha Assisstant Professor Polina V V S S R Krishna Assisstant Professor Ms. P.S.R.P.SSS Vardhani Assisstant Professor Mr. C Vanadeep Assisstant Professor Mr. V.Ramesh Assisstant Professor Ms. G Manisha Assisstant Professor Ms. T. Jahnvi Assisstant Professor</p>
<p>Summary of the Event</p>	<p>Report on National Workshop on 24 Nov 2021 on “ Sustainable Technologies in Civil Engineering : Perspectives and Strategies (STEPS-2021)”on the occasion of United Nations 2030 Agenda for Sustainable Development with 17 goals (http://sustainabledevelopment.un.org)</p> <p>A one-day National Webinar was organised successfully on 20 December 2021 on “ Sustainable Technologies in Civil Engineering : Perspectives and Strategies (STEPS-2021)”on the occasion of United Nations 2030 Agenda for Sustainable Development with 17 goals (http://sustainabledevelopment.un.org). This webinar was organised by the Department of Civil Engineering, Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate Change (CST-ERG) and Centre for Water Resources Engineering and Management (CREAM) of Gokaraju Rangaraju Institute of Engineering and Technology (GRIET). Dr. Mohammed Hussain , Professor was the convenor and Dr. C LAVANYA , Professor and HOD was Co-Convenor.</p> <p>Dr. Venkatesh Merwade , Professor of Purdue University delivered a talk on “ Sustainable Water Resources Management using Data , Computational Modelling and Cyber Infrastructure”.</p> <p>Dr. N.Darga Kumar , Assistant Professor & HOD, Department of Civil Engineering, College of Engineering, Manthani, JNTUH delivered on the topic “ Sustainable Practices of Foundation Engineering : Case Studies in the world”.</p> <p>Dr. Digvijay S. Pawar , Assistant Professor ,IIT Hyderabad presented on “Sustainable Practices of Transportation Technologies: Case Studies in the world”</p> <p>Vote of thanks was proposed by Dr. C LAVANYA, Professor and HOD , Dept.of Civil Engineering .</p>

<p>IRG (in rupees)</p> <p>Deposited A/C no A/C name and date and other details</p> <p>(enclose proof-A/C statement)</p>	<p>5000</p>
<p>Expenditure (in rupees)</p> <p>(Enclose proof-bills)</p>	<p>52000.00</p>
<p>POs attained with this Event</p> <p>(number and description)</p>	<p>e. Use modern engineering tools such as CAD and GIS for the Civil Engineering practice.</p> <p>f. Understand the impact of engineering solutions in a global, economic and societal context.</p> <p>g. Understand the effect of Civil Engineering solutions on environment and to demonstrate the need for sustainable development.</p> <p>h. Understanding of professional and ethical responsibility.</p> <p>i. Work effectively as an individual or in a team and to function on multi-disciplinary context.</p> <p>j. Communicate effectively with engineering community and society.</p> <p>k. Demonstrate the management principles in Civil Engineering projects.</p> <p>l. Recognize the need for and an ability to engage in life-long learning</p>
<p>Photographs of the event</p> <p>(Hard copy and Soft copy)</p>	

Topics of Workshop

1. Seventeen Sustainable Development Goals of United Nations to be achieved by 2030: Action Planning and Implementation for Civil Engineers -
Dr. Mohammed Hussain, Professor, GRIET

2. Sustainable Water Resources Management using Data, Computational Modelling and Cyberinfrastructure : Case Studies -
Dr. Venkatesh Merwade, Professor, Hampton Hall of Civil Engineering, Purdue University, USA.

3. Sustainable practices of Transportation Technologies : Case Studies -
Dr. Digvijay S. Pawar, Assistant Professor, Transportation Systems Engineering, Department of Civil Engineering, Indian Institute of Technology, Hyderabad

4. Sustainable Practices of Foundation Engineering : Case Studies -
Dr. N. Darga Kumar, Assistant Professor & HOD, Department of Civil Engineering, College of Engineering, Manthani, JNTUH

5. Sustainable Practices of Construction Technologies : Case Studies -
Er. V.V. Krishna Reddy, Chief Consultant, Continental Designers, Hyderabad

6. Nature Cure Methods to improve our Immune system for sustainable health in the present global COVID pandemic situation -
Dr. M. Nagalakshmi, Senior Medical Officer, Govt. Nature Cure Hospital, Govt. of Telangana, Begumpet, Hyderabad



Organizing Committee

Chief Patrons : Sri. M.G. Sekharam, CEO, GRES.
Dr. Jandhyala N. Murthy, Director, GRIET
Dr. K.V.S. Raju, Sr. Administrative Officer, GRIET

Patron : Dr. J. Praveen, Principal, GRIET

Convenor : Dr. Mohammed Hussain, Professor, Dept. of Civil Engineering, GRIET

Co-Convenor : Dr. C. Lavanya, Professor & HOD, GRIET

Technical Committee

Dr. V. Mallikarjuna Reddy, Professor, GRIET
Dr. V. Srinivasa Reddy, Professor, GRIET
Dr. G.V.V. Satyanarayana, Professor, GRIET
Dr. T. Srinivas, Professor, GRIET
Dr. K. Srikanth, Associate Professor, GRIET
Dr. O.S.D. Hima Bindu, Associate Professor, GRIET
Dr. Atul Kumar A. Manchalwar, Associate Professor, GRIET

Registration Fee Is Rs.100/- Per Participant (Rupees One Hundred only)

Coordinators

Mr. Y. Kamala Raju, Assistant Professor, GRIET
Mr. A. Prakash- Assistant Professor, GRIET
Ms. I. Chandana, Assistant Professor, GRIET

Registration Link in Google Form:
<https://forms.gle/5oSpJqRDZBtqscEH9>

Address for Communication

Dr. Mohammed Hussain, Professor
Convenor, STEPS 2021,
Department of Civil Engineering,
Gokaraju Rangaraju Institute of
Engineering and Technology (GRIET),
Bachupally, Kukatpally, Hyderabad - 500 090.
Email: steps2012@griet.ac.in

Off. Contact No.: 7207344440



11th Annual National Workshop on Sustainable Technologies in Civil Engineering: Perspectives and Strategies

STEPS - 2021
24 November 2021



Organized by
Department of Civil Engineering
Centre for Sustainable Technologies for
Eco Social Resilience to Global Climate Change (CST-ERG)
&
Centre for Water Resources Engineering and
Management (CREAM)
Gokaraju Rangaraju
Institute of Engineering and Technology (Autonomous)
Bachupally, Kukatpally, Hyderabad-500090

Proofs:
1. Certificates copies
2. Profile of Speaker
3. PPT/Material as applicable. etc.,

GRIET

Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) is a premier institute of engineering, established in the year 1997 under the patronage of the Gokaraju Rangaraju Educational Society. The college is approved by AICTE and is affiliated to JNTUH. It is UGC autonomous institute. The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. The college is NBA accredited for six B. Tech programmes i.e. CE, ME, CSE, IT, ECE and EEE & five M. Tech programmes. The institute is accredited by NAAC with 'A++' grade. The college was recipient of TEQIP-II grant from World Bank. GRIET is SIRO recognized institute with NIRF rank of 165 in Engineering Category. GRIET is accredited by Tata Consultancy Services (TCS).

Department of Civil Engineering

The Department of Civil Engineering is established in the year 2008. It is a fast growing discipline in tune with the infrastructure growth. The department has well equipped laboratories with an emphasis on practical skills and social relevance. The Department has experienced and well talented faculty which include eight doctorates. The Dept. is offering PG course in M.Tech Structural Engineering with an intake of 30 students.

Centre for Sustainable Technologies for Eco Social Resilience to Global Climate Change (CST-ERG) & Centre for Water Resources Engineering and Management (CREAM)

These centers are established to encourage students and faculty to engage in research projects with an emphasis on the environment friendly technologies and water conservation management.

Inner nonverbal meaning of STEPS -2021 Logo

The logo contains the figures of Globe, Polar Ice caps (top and bottom circles) and Drop. The drop represents water drop, oil drop, flame and leaf emphasizing the importance of global conservation of water, oil, energy and environment respectively. The logo contains the caption: Let us together think globally and act locally for sustainable development.

About the workshop

United Nations sustainable development summit held during 25-27, September 2015 is an indication of global action on sustainable development. United Nations 2030 agenda for sustainable development includes seventeen (17) Sustainable development goals and 169 targets (<http://Sustainable.development.un.org>).

Sustainable Technologies in civil engineering have a major role in attaining these goals. They also improve World Happiness Index of every country, being published annually by United Nations Sustainable Development Solutions Network. India has ranked 139 out of 149 countries in World Happiness Index in 2021, FINLAND being the happiest country in the world.

India has adopted the Paris Climate Change Agreement On 2 October 2015 (Mahatma Gandhi Jayanthi). India has submitted its NDC (Intended Nationally Determined Contribution) to the UN Climate body UNFCCC (United Nations Framework Convention on Climate Change) (newsroom.unfccc.int/treaties.un.org). India has promised to reduce Greenhouse Gas Emissions (Emission Intensity of Gross Domestic Product) by 33 to 35 percent by 2030 from 2005 level (envfor.nic.in).

Objectives: In the present millennium, "Sustainability" and "Healthy Environment" are increasingly becoming key social, political, scientific and engineering issues. Health is the state of beingness (not becomingness) in an unbroken and indivisible wholeness and completeness in continuous mode from moment to moment. Health is also the expansion of consciousness (Margaret Newman). Perspective expansion with mindful self-compassion (self-compassion.org) and right brain oriented three dimensional observation, creative imagination and visualization causes the expansion of consciousness.

Expansion of accurate self-awareness requires the joint function of continuous receipt of functional feedback from all people and all events & continuous appropriate self-disclosure from moment to moment (JOHARI WINDOW).

Health is a state of complete physical, mental and social well being, and not merely the absence of disease or infirmity. **Public Health** is the art and science of preventing disease, prolonging life and promoting health through the organized community effort. **Occupational Health** is the promotion and maintenance of the highest degree of physical, mental and social well being of workers in all occupations by preventing departures from Health, controlling risks and the adaptation of work to people and people to their jobs (World Health Organization)

In this context, the present national workshop with a focal theme on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2021)" is an attempt to emphasize the urgent need for creating awareness about environmentally sustainable technologies in Civil Engineering. Towards the goal of creating a healthy environment which uses resources in a sustainable manner, recycles more of the wastes, this workshop invites all those involved in this endeavor to attend for technical enrichment.



Application Form
National Workshop on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies"
STEPS-2021
24 November 2021

Applicant's Details

Name: _____
Designation: _____
Department: _____
Mobile No.: _____
Organization: _____
E-mail ID: _____
Qualification: _____
Experience: _____

Declaration: The information furnished above is true to the best of my knowledge. I agree to abide by the rules governing the course.

Place: _____
Date: _____

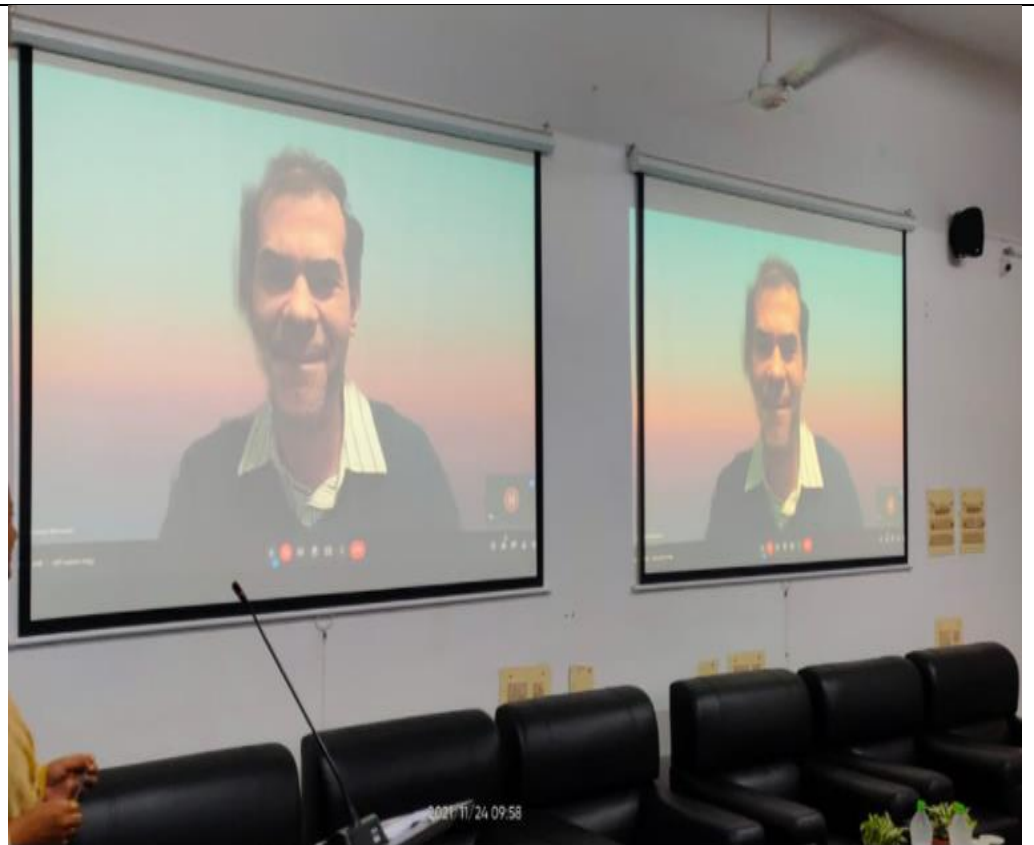
Signature of the applicant

Forwarded / Sponsored by

Signature and Seal of Principal / Institute

Place: _____
Date: _____

(Photo copies of the registration forms are permitted)







GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY (GRIET) (Autonomous)
DEPARTMENT OF CIVIL ENGINEERING
Centre for Sustainable Technologies for Eco Social Resilience to Global Climate Change (CST-ERG)
Centre for Water Resources Engineering and Management (CREAM)
SUSTAINABLE TECHNOLOGIES IN CIVIL ENGINEERING: PERSPECTIVES AND STRATEGIES

STEPS-2021 CERTIFICATE

This is to certify that **Mr. Y. Kamala Raju** Assistant Professor from Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad has organized as a Coordinator the 11th Annual one day National workshop on **Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS – 2021)** on 24 November 2021.


Co-Convenor


Convener


Principal

Workshop on sustainable technologies in civil engg.

**SPECIAL CORRESPONDENT
HYDERABAD**
The 11th annual national workshop on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2021)" was jointly organised by the Department of Civil Engineering, Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate Change (CST-ERG) and Centre for Water Resources Engineering and Management (CREAM) of Gokaraju Rangaraju Institute of Engineering and Technology (GRIET) in Hyderabad.
Professor at Purdue University, USA, Dr. Venkatesh Merwade shared views on "Sustainable Water Resources Management using Data, Computational Modelling, and Cyber Infrastructure."



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Signature of Coordinator

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Signature of HOD