



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:	Dr. N.Darga Kumar , Assistant Professor & HOD, Department of Civil Engineering, College of Engineering, Manthani, JNTUH Dr. Digvijay S. Pawar ,IIT Hyderabad. Dr. Venkatesh Merwade , Professor, Hampton Hall of Civil Engineering, Purdue University, USA. Er.V.V.Krishna Reddy , Chief Consultant, Continental Designers, Hyderabad Dr.M.Nagalakshmi , Senior Medical Officer, Govt. Nature cure Hospital				
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

Faculty Names & Designation

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 Assistant Professor
 Mr. Y.Kamala Raju Assistant Professor
 Ms. K.Hemalatha Assistant Professor
 Mr V Naresh Kumar Varma Assistant Professor
 Mr A Vittalaiah Assistant Professor
 C Vivek Kumar Assistant Professor
 Rathod Ravinder Assistant Professor
 A Prakash Assistant Professor
 I Chandana Assistant Professor
 G Swetha Assistant Professor
 Polina V V S S R Krishna Assistant Professor
 Ms. P.S.R.P.SSS Vardhani Assistant Professor
 Mr. C Vanadeep Assistant Professor
 Mr. V.Ramesh Assistant Professor
 Ms. G Manisha Assistant Professor
 Ms. T. Jahnvi Assistant Professor

Summary of the Event

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>)

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.

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".

Dr. Digvijay S. Pawar, Assistant Professor, IIT Hyderabad presented on "Sustainable Practices of Transportation Technologies: Case Studies in the world"

Vote of thanks was proposed by Dr. C LAVANYA, Professor and HOD, Dept.of Civil Engineering.

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

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. Durga Kumar, Assistant Professor & HOD, Department of Civil Engineering, College of Engineering, Manthani, JNTU/H
5. Sustainable Practices of Construction Technologies : Case Studies -
Dr. 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. Nalakishan, Senior Medical Officer, Govt. Nature Cure Hospital, Govt. of Telangana, Begumpet, Hyderabad



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 JNTU/H. 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. C.E., M.E., CSE, IT, EEE 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 SIRSI recognized Institute with NIRF rank of 165 in Engineering Category. GRIET is accredited by Tata Consultancy Services (TCS).

The Department of Civil Engineering is established in the year 2006. 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-ESRC) & 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.

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

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://sustainabledevelopment.un.org>)

Organizing Committee

- Chief Patron** : Sri. M.C. Selvaraj, CEO, GRES.
: Dr. Jandhyala N. Murthy, Director, GRIET
: Dr. K.V.S. Raju, Sr. Administrative Officer, GRIET
- Patron** : Dr. J. Praveen, Principal, GRIET
- Convener** : Dr. Mohammed Hussain, Professor, Dept. of Civil Engineering, GRIET
- Co-Convener** : 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. Sr. Karthi, Associate Professor, GRIET
Dr. O.S.D. Hima Bindu, Associate Professor, GRIET
Dr. Arul Kumar A. Manichandran, Associate Professor, GRIET

Registration Fee: Rs. 1500/- (For Participants)
(Course Fee Excluded)

Coordinators

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

Registration Link: www.griet.ac.in/Steps2021

Address for Communication

Dr. Mohammed Hussain, Professor
Convener, STEPS 2021,
Department of Civil Engineering,
Gokaraju Rangaraju Institute of
Engineering and Technology (GRIET),
Bachupally, Kukarapally, Hyderabad - 500 090.
Email: steps2021@griet.ac.in

Off. Contact No. : 72 07344440



11th Annual National Workshop on Sustainable Technologies in Civil Engineering Perspectives and Strategies STEPS - 2021 24 November 2021



Organized by
Department of Civil Engineering,
Gokaraju Rangaraju Institute of Engineering and Technology for
Eco Social Resilience to Global Climate Change (CST-ESRC)
&
Centre for Water Resources Engineering and Management (CREAM)
Gokaraju Rangaraju
Institute of Engineering and Technology (Hyderabad)
Bachupally, Kukarapally, Hyderabad-500 090



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: _____

Forwarded / Sponsored by: _____

Signature and Seal of Principal / Institute

Place: _____
Date: _____

(Photo copies of the registration forms are permitted)

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 130 out of 149 countries in World Happiness Index in 2021. RIETAM being the happiest country in the world.

India has adopted the Paris Climate Change Agreement On 2 October 2015 (Mahatma Gandhi Jayanti) India has submitted its NDC (Intended Nationally Determined Contribution) to the UN Climate body (UNFCCC) (United Nations Framework Convention on Climate Change) (Innovation, inclusion & Resilience) India has promised to reduce Greenhouse Gas Emissions (Household Intensity of Greenhouse Gas Production by 33 to 35 percent by 2030 from 2005 level (excluding land use change and forestry)).

Objectives: In the present millennium "Sustainability" and "Health Environment" are increasingly becoming key social political, scientific and engineering issues. Health is the state of complete (not merely 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).

Expansion of accurate self-awareness, requires the most holistic of understandings, receipt of functional feedback from all people and all events & conditions appropriate self-disclosure from moment to moment (JOHARI WINDOW).

Health: 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 of "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, review of many of the water, this workshop invites all those involved in this endeavor to attend in technical enrichment.







CER TIFK ATE

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 1st Annual one day National workshop on Sustainable Technologies in Civil Engineering Perspectives and Strategies (STEPS - 2021) on 24 November 2021.

workshop on
sustainable
technologies
civil engg.

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1988-1989



Signature of Coordinator

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Signature of HOD