



GRIET/6C/G/20-21

## EVENT SUMMARY REPORT

<b>Griet/Other institutes/Organization Address:</b>	<b>Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad</b>		
<b>Department</b>	<b>Civil Engineering</b>	<b>Professional Body</b>	<b>Institutional Body</b>
			<b>Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate Change (CST-ERG) &amp; Centre for Water Resources Engineering and Management(CREAM)</b>
<b>Nature of the Event (Co &amp; Extra Curricular Activities-Workshop / Seminar / Guest Lecture / Tech Talk/FDP/GD/ Training Program / Quiz / Any Prof. Body events/Presentation/Conference/ Industry Visit)</b>	<b>Webinar</b>		
<b>Title / Theme of the Event</b>	<b>Sustainable Technologies in Civil Engineering: Perspectives and Strategies ( STEPS-2020)</b>		
<b>Details of the Coordinator &amp; Designation</b>	Dr. Mohammed Hussain, Professor of Civil Engineering		
<b>Event Dates/Days</b>	From	To	No. of Days
	20 Dec.2020	20 Dec.2020	1
<b>Details of the Speaker / Guest Organization Address:</b>	Dr. Venkatesh Uddameri, Director, Water Resources Centre, Texas Tech University, USA Dr.Suhas P. Wani, Former Director, ICRISAT Development Centre, Hyderabad Prof.K. Ganesh Babu , Former Professor of IIT Madras Dr. N.Darga Kumar , Assistant Professor & HOD, Department of Civil Engineering, College of Engineering, Manthani, JNTUH Dr. Digvijay S. Pawar ,IIT Hyderabad. Dr. P.R.Meghanathan , Scientist, National Environmental Engg.and Research		

	Institute (NEERI),Hyderabad				
<b>Participants</b> (Teaching Faculty / Non-Teaching Faculty / Students)	No.of Faculty	No. of UG students	No.of PG Students	No.of outside participants	Total Participants
	98	170	25	100	393
<b>Faculty Names &amp; Designation</b>	Faculty and students from all other colleges participated ( including GRIET)				

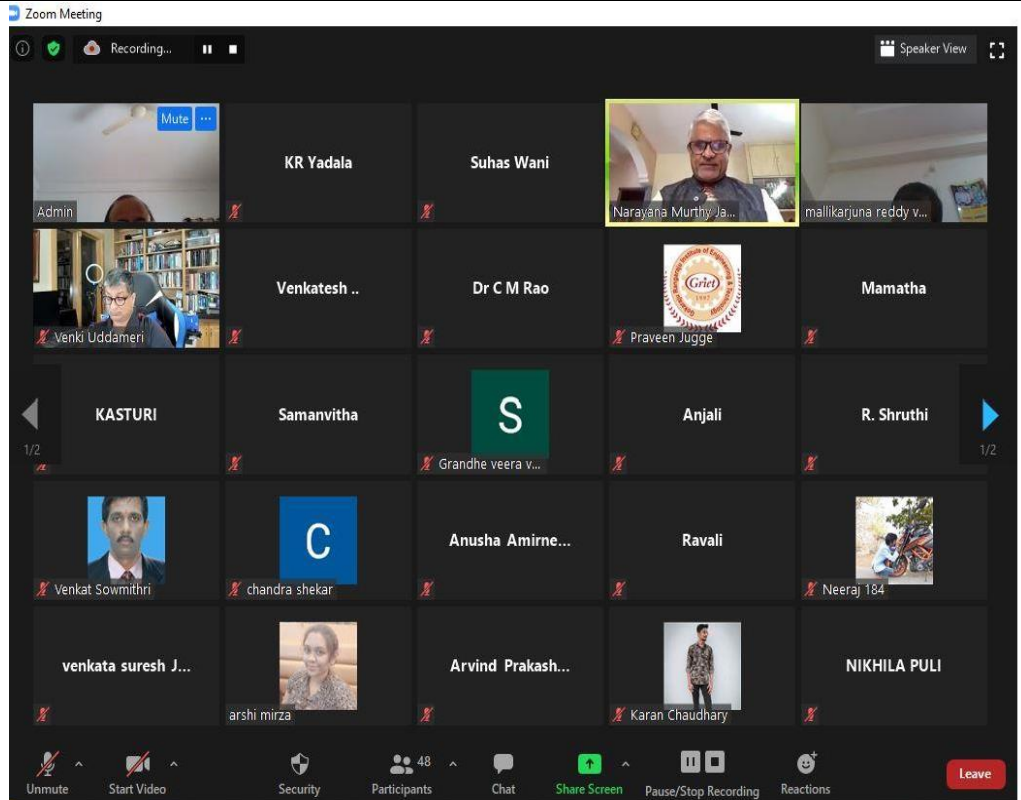
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	<p>Faculty and students from all other colleges participated ( including GRIET)</p>
<p><b>Summary of the Event</b></p>	<p><b>Report on National Webinar on 20 December 2020 on “ Sustainable Technologies in Civil Engineering : Perspectives and Strategies ( STEPS-2020)”on the occasion of United Nations 2030 Agenda for Sustainable Development with 17 goals ( <a href="http://sustainabledevelopment.un.org">http://sustainabledevelopment.un.org</a>)</b></p> <p>A one day National Webinar was organised successfully on 20 December 2020 on “ Sustainable Technologies in Civil Engineering : Perspectives and Strategies ( STEPS-2020)”on the occasion of United Nations 2030 Agenda for Sustainable Development with 17 goals ( <a href="http://sustainabledevelopment.un.org">http://sustainabledevelopment.un.org</a>). 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. V. Mallikarjuna Reddy , Professor and HOD was Co-Convenor.</p> <p>Dr. Venkatesh Uddameri . Director, Water Resources Centre , Texas Tech University , USA was the Chief Guest and delivered the key note address</p>

	<p>on “ Action Plans and Implementation Strategies to meet sustainable development Goal 6 of United Nations on Sustainable Water and Sanitation”.  Dr.Suhas P. Wani, Former Director, ICRISAT Development Centre, Hyderabad was the Guest of Honour and he gave another key note address on “ Action Plans and Implementation Strategies to meet Sustainable development Goal 2 of United Nations on Zero Hunger , Goal 13 on Climate Action , Goal 14 on life below water and Goal 15 on Life on land”  Prof.K. Ganesh Babu , Former Professor of IIT Madras, presented on the topic “ Sustainable Practices of Concrete Technology : Case Studies in the world”.  Dr. N.Darga Kumar , Assistant Professor &amp; 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”  Dr. P.R.Meghanathan , Scientist, National Environmental Engg.and Research Institute (NEERI),Hyderabad presented on “Conservation and Preservation of Soil Quality, Air Quality and Water Quality for Sustainable Development : Case Studies in the world”  Vote of thanks was proposed by Dr. V. Mallikarjuna Reddy, Professor and HOD , Dept.of Civil Engineering .</p>
<p><b>IRG (in rupees)</b></p> <p><b>Deposited A/C no A/C name and date and other details</b></p> <p><b>(enclose proof-A/C statement)</b></p>	<p>Nil</p>
<p><b>Expenditure (in rupees)</b></p> <p><b>(Enclose proof-bills)</b></p>	<p>26500.00</p>
<p><b>POs attained with this Event</b></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>

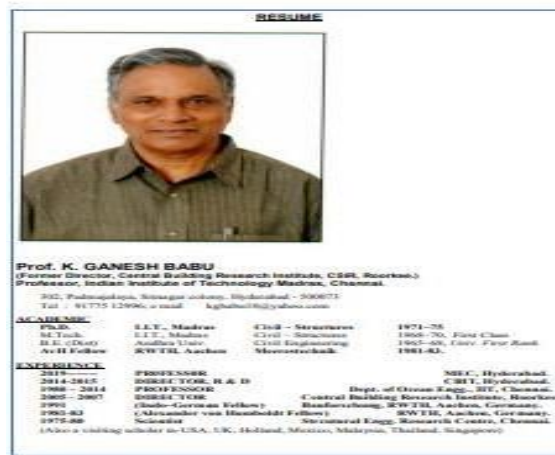
k. Demonstrate the management principles in Civil Engineering projects.  
 l. Recognize the need for and an ability to engage in life-long learning

**Photographs of the event**  
 (Hard copy and Soft copy)



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





### Brief Profile of Dr. Suhas P. Wani



**Suhas P. Wani**, Former Research Program Director – Asia and Director, ICRISAT Development Center (IDC) at (ICRISAT), India and has served as Visiting Professor at UoA, Edmonton, Member of Sustainable Agriculture Advisory Board (SAAB), Unilever, U.K. Currently he serves as intl. Consultant, ADB Manila.

His pioneering work in the area of assessment of impacts of Watershed Programs in India through GoI supported project contributed in revising the watershed policies of GoI. His team has developed livelihood approach in watersheds and has contributed six Strategy papers for the PMO including for Doubling Farmers' income, Soil Health Mapping, etc.




### Venkatesh Uddameri, Ph.D., P.E.

Dr. Venki Uddameri is a professor in the department of civil, environmental and construction engineering at Texas Tech University where he also serves as the Director of the Texas Tech University Water Resources Center a university-wide center focused on sustainable water resources problems. He is also an Honorary Professor of the Faculty of Civil and Environmental Engineering at Jimma Institute of Technology, Ethiopia. He was elected as the Fellow of American Water Resources Association in the year 2020.



He is currently the editor-in-chief of the Journal of American Water Resources Association (JAWRA) – a pre-eminent journal on multidisciplinary water resources research published by Wiley Interscience. He has been elected as the Fellow of the American Water Resources Association in the year 2020.

Prior to Joining Texas Tech in 2012, Dr. Uddameri was a professor at Texas A&M University-Kingsville, for 11 years where he also headed the National Science Foundation (NSF) funded Center for Excellence in Science and Technology - Research on Environmental Sustainability in Semi-Arid Coastal Areas (CREST-RESSACA).

<h3>Topics of Workshop</h3> <ol style="list-style-type: none"> <li>"My journey of discovery of Innovative Bio Machine - Sri G. Maheshwari, Professor emeritus in 2017 for his invention of the Andhra Bio Machine that reduced the efforts required by farmers in Pochampally.</li> <li>" Role of Polymers, 3D in Rural Innovations" Sri J. Sri, Vice President, Polymers, 3D working on Grass Root Innovations.</li> <li>Seventeen sustainable development goals of United Nations to be achieved by 2030: Action planning and Implementation for Civil Engineers - Dr. Mohd. Hossain, Professor &amp; Reader, Coordinator, Centre for Sustainable Technologies for Ecological Resilience to Global Climate Change (CST-ERG), GRIET.</li> <li>How do we become Accredited Professionals of Indian Green Building Council (IGBC)? Experts from Indian Green Building Council (IGBC).</li> <li>How do we become Energy Managers / Energy Auditors by passing the examination of Bureau of Energy Efficiency of Government of India? Experts from Energy Conservation Mission, Institution of Engineers (India), Telangana State Centre, Hyderabad.</li> <li>Role of Smart Technologies in Sustainable Development - Dr. V.V. Rao, Group Director, Water Resources, National Remote Sensing Centre, Hyderabad.</li> <li>Daily Eye Care and Health Care in Cyber age with Yoga Therapy - Emerita, Professor Malleshwari Reddy, Yoga Therapist and Former Director, Government Venkateswara Yoga Research Institute, Hyderabad.</li> <li>Smart Cities India - Centre for Smart Cities Hyderabad.</li> </ol>	<h3>Organizing Committee</h3> <p><b>Chief Patron</b> :- Dr. Jayashankar N. Murthy, Director, GRIET :- Sr. M.G. Sekhara, Chief Executive Officer, IGES</p> <p><b>Patron</b> :- Dr. KVS. Rao, Sr. Administrative Officer, GRIET</p> <p><b>Convener</b> :- Dr. J. Pravan, Principal, GRIET</p> <p><b>Co-Convener</b> :- Dr. V. Maheshwari Reddy, Professor &amp; HOD, GRIET.</p> <h3>Coordinators</h3> <p><b>Mr. Y. Kamala Raju</b> - Assistant Professor, GRIET. <b>Ms. L. Chandana</b> - Assistant Professor, GRIET. <b>Ms. G. Swetha</b> - Assistant Professor, GRIET. <b>Ms. P. Samba</b> - Assistant Professor, GRIET.</p> <p><b>Address for Communication</b> Dr. Mohamed Hossain, Professor Convener STEPS 2020 Department of Civil Engineering Gokhale Institute of Engineering and Technology (GRIET), Kakireddy, Kakireddy, Hyderabad - 500 099. Email: 20052911@ripcet.ac.in (Ph): 7207344440/7207714441</p> <p><b>Boarding &amp; Lodging</b> All the participants of the seminar will be provided with working lunch. The boarding and lodging at local hotels will have to be borne by the participants. However, the hotel rooms will be reserved prior intimation.</p> <p><b>Registration fee</b> There is no registration fee</p>	 <h3>10<sup>th</sup> Annual National Workshop/webinar on Sustainable Technologies in Civil Engineering: Perspectives and Strategies STEPS-2020</h3> <p>20 December 2020</p>  <p><b>Organized by</b> Department of Civil Engineering Centre for Sustainable Technologies for Ecological Resilience to Global Climate Change (CST-ERG) &amp; Centre for Water Resources Engineering and Management (CREAM) Gokhale Institute of Engineering and Technology (Autonomous) Institute of Engineering and Technology (Autonomous) Bachupally, Kakireddy, Hyderabad, 500099 Website: www.griet.ac.in</p>	<h3>GRIET</h3> <p>Gokhale Institute of Engineering and Technology (GRIET) is a premier institute of engineering established in the year 1997 under the patronage of the Gokhale Educational Society. The college is approved by AICTE and is affiliated to JNTUH. It is an 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 NAAC accredited with 'A' grade in CE, ME, ICE, IT, EE and HEE &amp; All M. Tech courses. The institute is accredited by AACSB with 'A' grade. The college is recipient of 120000 grant from trust Bank. GRIET is ISO recognized institute with NIRF rank of 17<sup>th</sup> in Engineering Category.</p> <h3>Department of Civil Engineering</h3> <p>The Department of Civil Engineering is established in the year 2008. The present intake is 120 students. 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 experimental and well labored faculty which include seven doctorates. The Dept. is offering PG course in Structural Engineering with 30 students.</p> <h3>Centre for Sustainable Technologies for Ecological Resilience to Global Climate Change (CST-ERG) &amp; Centre for Water Resources Engineering and Management (CREAM)</h3> <p>These centres are established to encourage students and faculty to engage in projects with an emphasis on the environment friendly technologies and water conservation management.</p> <h3>Inner innerworld meaning of STEPS-2019 logo</h3> <p>The logo contains the letters GRIET, Blue focuses (up and bottom circles) and Drop. The drop represents water drop oil drop, flame and oil emphasizing the importance of global conservation of water, oil, energy and environment respectively. The logo contains the caption: let us together think globally, locally for sustainable development.</p> <h3>About the workshop (webinar)</h3> <p>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 (<a href="http://Sustainabledevelopment.un.org">http://Sustainabledevelopment.un.org</a>).</p>	<p>Sustainable Technologies in civil engineering played 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 140 out of 156 countries in World Happiness Index in 2019, FINLAND being the happiest country in the world.</p> <p>India has adopted the Paris Climate Change Agreement on 2 October 2015 (Yamato Gandhi Day). India has submitted its INDC (Intended Nationally Determined Contribution) to the UN Climate body UNFCCC (United Nations Framework Convention on Climate Change) (non-annexed &amp; non-industrialized). India has promised to reduce Greenhouse Gas Emissions (CO<sub>2</sub>) Intensity of Gross Domestic Product (GDP) by 33 to 35 percent by 2030 from 2005 level (non-fossil fuel).</p> <p><b>Objective:</b> In the present millennium, "Sustainability" and "Healthy Environment" are increasingly becoming key social, political, scientific and engineering issues. Health is the state of <b>beingness</b> (not beingness) 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 right brain oriented three dimensional <b>beingness</b> creative imagination and visualization cause the expansion of consciousness.</p> <p><b>Health</b> is a state of complete physical, mental and social well being, and not merely the absence of disease or infirmity. <b>Public Health</b> is the art and science of preventing disease, prolonging life and promoting health through the organized community <b>beingness</b>. <b>Occupational Health</b> 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 (<b>beingness</b>).</p> <p>In this context, the present national <b>workshop/webinar</b> with a focal theme on <b>Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2020)</b> 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, recycle more of the waste; this workshop reviews all those involved in this endeavor to stand for technical enrichment.</p>	 <h3>Application Form</h3> <p>National Workshop (Webinar) on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies" STEPS-2020 20 December 2020</p> <p><b>Applicant's Details</b></p> <p>Name: .....</p> <p>Designation: .....</p> <p>Department: .....</p> <p>Mobile No: .....</p> <p>Organization: .....</p> <p>E-mail ID: .....</p> <p>Experience: .....</p> <p><b>Declaration:</b> The information furnished above is true to the best of my knowledge. I agree to abide by the rules governing the course.</p> <p>Place: .....</p> <p>Date: .....</p> <p>Signature of the applicant</p> <p>Forwarded/ Sponsored by .....</p> <p>Signature and Seal of Principal/ Institute</p> <p>Place: .....</p> <p>Date: .....</p> <p>(Photocopies of the registration forms are permitted)</p>
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Signature of Coordinator

Signature of HOD