



ASSOCIATE DEAN STUDENT AFFAIRS OFFICE

GRIET/ADSAO/13/G/19-20

EVENT SUMMARY REPORT

Department	Centre for Sustainable Technologies for Eco-Social Resilience to Global Climatic Change and Centre for water resources Engineering and Management (CREAM).				
Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Co & Extra curricular Activities)	Workshop				
Title / Theme of the Event	Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2019)				
Details of the Coordinator/Resource Person	Dr.Mohd.Hussain Professor Civil Engineering				
Dates on which Event is held	From	To	No. of Days		
	20.12.2019	21.12.2019	2		
Details of the Speaker / Guest Name Organization	<ol style="list-style-type: none"> 1. Sri Ch.Mallesham, Padmashri awardee 2. Mr.J. Srikar ,former Deputy General Manager, NAABARD& now Vicepresident, Pallesrujana 3. Sri. D Rajanikanth, Director, Energy Management Division, National Productivity Council, Hyd. 4. Expert from Indian Green Building Council (IGBC) Ms. Varalaxmi B. 5. B.Simhadri Rao ,Sr Scientist-G, Water Resources Group, NRSC, Hyd. 6. Emeritus Professor.M.Venkata Reddy, Yoga Therapist, Former Director, Govt.Vemana Yoga Research Institute 				
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	3	18		40

<p>Summary of the Event</p>	<p>9th Annual Two Day National Workshop on “ Sustainable Technologies in Civil Engineering : Perspectives and Strategies (STEPS-2019)” was held on 20-21 December 2019 at Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad . It was organised by the 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) of GRIET.</p> <p>In the inaugural function , Sri Ch.Mallesham , Padmashree awardee in 2017 was the chief guest. Sri J.Srikar , Vice-President , Pallesrujana , Voluntary Organization was the Guest of Honour. In his welcome address, Dr.Mohammed Hussain , Professor and Convenor , STEPS-2019 explained the seventeen sustainable goals of United Nations to be achieved by 2030. Mr. Ch.Mallesham in his address as Chief Guest described briefly his relentless journey of discovery of innovative asu machine which revived the Pochampally weaving industry. Sri J. Srikar explained the role of his organization , Pallesrujana, in patenting the rural innovations and the need to bring out the latent infinite innovative potential of everyone. Dr. J.Praveen, Principal asked all to develop innovation in the age of disruptive technologies for sustainability. Dr. V. Mallikarjuna Reddy , Professor & HOD and Coconvenor, STEPS-2019 was present. There was visit to Indian National Centre for Ocean Information Services (INCOIS), Pragathinagar, Hyderabad.</p> <p>Mr. B. Simhadri Rao, Senior Scientist , Water Resources Group , National Remote Sensing Centre (NRSC), Hyderabad ; Sri D. Rajanikant , Director , Energy Management Division, National Productivity Council , Hyderabad ; Smt. Varalakshmi Bogale , LEED and IGBC Accredited Professional and Emeritus Professor M. Venkata Reddy , Former Director , Govt. Vemana Yoga Research Institute , Hyderabad were the eminent resource persons.</p>
<p>POs attained with this Event (number and description)</p>	<ul style="list-style-type: none"> c. Design a system component, or process to meet desired needs in Engineering within realistic constraints. e. Use modern engineering tools such as CAD and GIS for the Engineering practice. f. Understand the impact of engineering solutions in a global, economic and societal context. g. Understand the effect of 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.
- 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.,

Topics of Workshop

1. My relations Journey of discovery of Innovative Am Machines - Sri Ch.Mallikarjun, Fellow/Member Emeritus in 2017 for his invention of the Lehalami Am Machines that reduced the efforts required by weavers in Podanur.
2. Role of Pallarajana, a prominent Voluntary Organisation (VO) in Rural Innovations - Sri/Srija; Vice President, Pallarajana, VO working on Grass Root Innovations.
3. Seventeen sustainable development goals of United Nations to be achieved by 2030: Action planning and implementation for Civil Engineers with the evaluation of Ecological Footprint, Water Footprint and Carbon Footprint - Dr.Mohammed Hussain, Professor & Founder Coordinator, Centre for Sustainable Technologies for Ecological Resilience to Global Climate Change (CST-ERG), GRIET.
4. How do we become Accredited Professionals of Indian Green Building Council (IGBC)? - Reports from Indian Green Building Council (IGBC)
5. How do we become Energy Managers / Energy Auditors by passing the examination of Bureau of Energy Efficiency of Government of India? - Reports from Energy Conservation Mission, Institution of Engineers (India), Telangana State Centre, Hyderabad.
6. Role of Spatial Technologies in Sustainable Development - Dr. VK Rao, Group Director, Water Resources, National Remote Sensing Centre, Hyderabad.
7. Daily Eye Care and Health Care in Cyber age with Yoga Therapy - Emeritus Professor M.Venkata Reddy, Yoga Therapist and Former Director, Government Venkateswara Yoga Research Institute, Hyderabad.
8. Field Visit to Indian National Centre for Ocean Information Services (INCOIS), Hyderabad.

Organizing Committee

Chief Patron : Dr. Jemalajyoti K. Murthy, Director, GRIET
Patron : Sri M.G. Subbaram, Chief Administrator, GRIET
Coverner : Dr. K.V.S. Raja, Sr. Administrative Officer, GRIET
Co-Coverner : Dr. J. Praveen, Principal, GRIET
Co-Coverner : Dr. Mohammed Hussain, Professor, Dept. of Civil Engineering, GRIET
Co-Coverner : Dr. V. Mallikarjuna Reddy, Professor & HOD, GRIET.

Coordinators

Mr. Y. Kamala Raja - Assistant Professor, GRIET
 Ms. I. Chandana - Assistant Professor, GRIET
 Ms. G. Suvitha - Assistant Professor, GRIET
 Ms. P. Sathishini - Assistant Professor, GRIET.

Address for Communication

Dr. Mohammad Hussain, Professor
 Coverner
 STEPS 2019
 Department of Civil Engineering
 Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Bachampally, Kishorpatna, Hyderabad - 506 099.
 Email: steps2019@grieta.ac.in
 (Off): 7207344440 / 7207714441

Boarding & Lodging

All the participants of the seminar will be provided with boarding and lodging.
 The boarding and lodging at local hotels will have to be borne by the participants. However, the hotel rooms will be reserved on prior intimation.

Registration fee

There is a registration fee of Rs 300/- per participant.



9th Annual National Workshop
 on
 Sustainable Technologies in Civil
 Engineering
 Perspectives and Strategies

STEPS - 2019



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)
 Bachampally, Hyderabad-500099
 Website: www.grieta.ac.in

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 JNTU, R & UDC autonomous Institute. The mission of GRIET is to address and impart quality education with an emphasis on practical skills and social relevance. The college is NBA accredited for all B. Tech programmes (A, CE, ME, CIL, IT, ECE and EEE & four M. Tech programmes. The Institute is accredited by NAAC with 'B' grade. The college was recipient of YRDI-II grant from World Bank. GRIET is ISO 9001:2015 certified Institute with ISO 9001:2015 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 2005. The present intake is 120 students. It is a fast growing discipline in tune with the industry 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 includes eight doctorates. The Dept. is offering 20 courses in M.Tech Structural Engineering with an intake of 20 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 projects with an emphasis on the environmental friendly technologies and water conservation management.

Inner nonverbal meaning of STEPS-2019 logo

The logo contains the figure of Globe, Peter Ice caps (top and bottom circles) and Drop. The drop represents water drop, oil drop, fumes and leaf emphasizing the importance of global conservation of water, oil, energy and environment respectively. The logo contains the capitals let us together think globally and act locally for sustainable development.

STEPS - 2019 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://sustainabledevelopment.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 149 out of 154 countries in World Happiness Index in 2018, INDIA90 being the highest ranked country in the world. India has adopted the Paris Climate Change Agreement on 1 October 2015 (Narendra Modi's speech). India has submitted its NDC (Nationally Determined Contribution) to the UN Climate body UNFCCC (United Nations Framework Convention on Climate Change) (www.unfccc.int/india/india.na). India has pledged to reduce Greenhouse Gas Emissions (Relative Intensity of Gross Domestic Product) by 33 to 35 percent by 2030 from 2005 level (reference).

ON-Track In the present realisation, "Sustainability" and "Quality Improvement" are increasingly becoming key social, political, scientific and engineering issues. Health is the state of vigorous (not languidness) in an individual and holistic wellness and encompasses its continuous needs from moment to moment. Health is also the expansion of consciousness (Discipline: Awareness), Perspective expansion with rational self-composure (self-composure.org) and right brain oriented three dimensional observation, accurate perception and visualization across the expansion of consciousness.

Expansion of conscious self awareness requires the joint function of continuous receipt of functional feedback from all people and all events & continuous appropriate self-discipline from moment to moment (SHARVATI@Gmail.com).

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 promoting 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. Health is the promotion and maintenance of the highest degree of physical, mental and social well-being of workers in all occupations. Health is the promotion and maintenance of the highest degree of physical, mental and social well-being of workers in all occupations. Health is the promotion and maintenance of the highest degree of physical, mental and social well-being of workers in all occupations.

In this context, the present national workshop with a final theme on "Sustainable Technologies in Civil Engineering Perspectives and Strategies (STPS-2019)" 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 encompasses a sustainable society, regular care of the world, this workshop invites all those involved in the endeavor to attend for technical enrichment.



Application Form
 Two Day National Workshop on
 "Sustainable Technologies in Civil Engineering
 Perspectives and Strategies"
 STEPS-2019
 20-21 December 2019
 Applicant's Details

Name: _____
 Registration: _____
 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 event.
 Place: _____
 Date: _____

Signature of the applicant

Signature and Seal of Principal/ Institute

Name: _____
 Date: _____

(Photo copies of the registration forms are provided)



9th Annual Two Day
NATIONAL WORKSHOP
ON

SUSTAINABLE TECHNOLOGIES IN CIVIL ENGINEERING: PERSPECTIVES
AND STRATEGIES

STEPS-2019

20-21 December 2019



Organised 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
Website: www.griet.ac.in

Innovation in the age of disruptive technologies

A national workshop on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies" (STEPS) organised at the Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Hyderabad, saw Padma Shri awardee Ch. Mallesham share his journey during the discovery of an innovative machine that revived the Pochampally weaving industry.

VP of PalleSrujana J. Srikanth explained the role of his organisation in patenting rural innovations and the need to bring out the latent infinite innovative potential. Principal J. Praveen asked everyone to concentrate on innovation in the age of disruptive technologies.

Senior scientist, Water Resources Group, National Remote Sensing Centre, B. Simhadri Rao; director of Energy Management Division, National



Participants at the national workshop on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies." ARRANGEMENT

Productivity Council, D. Rajanikanth; emeritus professor Varalakshmi Bogale and ex-director of Government Vemana Yoga Research Institute M. Venkata

Reddy, were resource persons. Professor and convenor Mohammed Hussain explained the 17 sustainable goals of UN to be achieved by 2030.

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THE HINDU - DATED 20/12/2019



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)

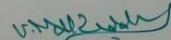
Centre for Water Resources Engineering and Management (CREAM)

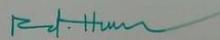
SUSTAINABLE TECHNOLOGIES IN CIVIL ENGINEERING: PERSPECTIVES AND STRATEGIES

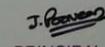
STEPS-2019

CERTIFICATE

This is to certify that Mrs. P.Sirisha, Assistant Professor from GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY has organized and participated in 9th Annual Two Day National workshop on Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS – 2019) on 20-21 December 2019.


COCONVENER


CONVENER


PRINCIPAL

Signature of Coordinator

Signature of HOD