

Topics of Workshop

1. My relentless journey of discovery of Innovative Asu Machine - Sri Ch.Mallesham, Padmashri awardee in 2017 for his invention of the Lakshmi Asu Machine that reduced the efforts required by weavers in Pochampally.
2. Role of Pallesrujana , a prominent Voluntary Organization (VO) in Rural Innovations- Sri J. Srikar, Vice President, Pallesrujana , 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 Ecosocial Resilience to Global Climate Change (CST-ERG), GRIET.
4. How do we become Accredited Professionals of Indian Green Building Council (IGBC)?- Experts 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? - Experts from Energy Conservation Mission , Institution of Engineers (India), Telangana State Centre, Hyderabad
6. Role of Spatial Technologies in Sustainable Development – Dr. V.V. 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 Vemana Yoga Research Institute, Hyderabad.
8. Field Visit to Indian National Centre for Ocean Information Services (INCOIS), Hyderabad

Organizing Committee

Chief Patrons :Dr Jandhyala N. Murthy,
Director, GRIET
: Sri. M.G. Sekharam,
Chief Administrator, 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. V. Mallikarjuna Reddy,
Professor & HOD, GRIET.

Coordinators

Mr. Y. Kamala Raju - Assistant Professor, GRIET.
Ms. I. Chandana - Assistant Professor, GRIET.
Ms. G. Swetha - Assistant Professor, GRIET.
Ms. P Santhiraj - Assistant Professor, GRIET.

Address for Communication

Dr Mohammed Hussain, Professor
Convenor
STEPS 2019

Department of Civil Engineering
Gokaraju Rangaraju Institute of Engineering and
Technology (GRIET), Bachupally, Kukatpally,
Hyderabad – 500 090.

Email :steps2011@griet.ac.in
(Off): 7207344440/7207714441

Boarding & Lodging

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 room 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)
Bachupally, Kukatpally, Hyderabad-500090
Website: www.griet.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 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 all B. Tech programmes i.e. CE, ME, CSE, IT, ECE and EEE & four 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 179 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. 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 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 projects with an emphasis on the environment friendly technologies and water conservation management.

Inner nonverbal meaning of STEPS -2019 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.

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 140 out of 156 countries in World Happiness Index in 2019, 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 INDC (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-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 uses resources in a sustainable manner, recycles more of the wastes, this workshop invites all those involved in this endeavour 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:.....

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)