



ASSOCIATE DEAN STUDENT AFFAIRS OFFICE

GRIET/ADSAO/13/G/14-15

EVENT SUMMARY REPORT OF STEPS -2014

| | | | |
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| Department | | Centre for Sustainable Technologies for Eco-Social Resilience to Global Climatic Change and Centre for water resources Engineering and Management (CREAM). | |
| | Institutional Body | | |
| Nature of the Event (Workshop / Seminar / Guest Lecture / Tech Talk/ GD/ Training Program / Quiz / Presentation/Conference/ Industry Visit/Co & Extra curricular Activities) | | Two days Workshop | |
| Title / Theme of the Event | | Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2014) | |
| Details of the Coordinator/Resource Person | | Dr.Mohd.Hussain Professor and HOD/Civil | |
| Dates on which Event is held | | From | To |
| | | 16.12.2014 | 17.12.2014 |
| Details of the Speaker / Guest Name Organization | | No. of Days | |
| | | 2 | |
| Details of the Speaker / Guest Name Organization | | Chief Guest - Sri K Padmanabaiah , Former Union Home Secretary Guest of Honour – Representatives from Jiddu Krishnamoorthy centre, Hyderabad Er.Y Abdul Baseer, Former Engineer in Chief, Irrigation and Command area Development dept, Govt . of AP. Dr.C.Suvarna, IFS, Special Commisioner, (Water Sheds),Govt of AP. Brig.Ganesham, President, Pallesrujana, NGO Mr.G.K.Anand, Former Chief Engineer, Parkdavis, India Dr.S.Venkata Mohan, Principal Scientist,IICT Er. V.Srinivas Reddy, Associate Professor, GRIET | |

| | | | | | |
|---|--|--------------------|-------------------|----------------------------|--------------------|
| | <p>Dr Mohd.Hussain, Professor & HOD, GRIET Dr.N.Sanjeev, Peofessor, Griet Dr.M.Anji Reddy, Professor & Director,JNTUH Mrs.Varalakshmi Bogale, LEEDAP, Principal Architect, GREEN INERTIA, Hyderabad.</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 |
| | 31 | 18 | - | 1 | 50 |
| Summary of the Event | <p>REPORT OF STEPS-2014 Two day National Workshop on “Sustainable Technologies in Civil Engineering:Perspectives and Strategies(STEPS-2014)” was organized successfully on 16-17,December,2014 jointly by the Department of Civil Engineering, Centre for water resources Engineering and Management (CREAM) and Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate Change(CST-ERG) at Gokaraju Rangaraju Institute of Engineering and Technology (GRIET),Hyderabad.Padmabhushan Sri K.Padmanabhaiah,IAS former Union Home Secretary,Government of India was the chief guest of inaugural function.Prof.Tippa Reddy,Hon.Secretary,Jiddu Krishnamurti Centre,Hyderabad;Er. Y.Abdul Basheer,former Engineer-in-Chief,Irrigation and Command Area Development Department,Andhrapradesh;Mrs.Dr.C.Suvarna,IFS,Special Commissioner(Watersheds),Dept. of Rural Development,Government of Andhrapradesh were the Guests of Honour.Dr.Mohd.Hussain,Professor and HOD was the Convener of STEPS-2014 . This workshop is organized under TEQIP-II as Faculty Development Programme for faculty from Engineering colleges.</p> <p>There was a field visit to the Rural Technology Park (RTP) of National Institute of Rural Development (NIRD),Hyderabad.Er. Y.Abdul Basheer ,former Engineer-in-Chief talked on Sutainable water resource management in India.</p> <p>Representatives from Jiddu Krishnamurti Centre,Hyderabad delivered on the topic “Art and Science of living with the attitude of unconditioned mind by the process of choicelless awareness from moment to moment of jiddu krishnamurti,United Nations Peace Medal Winner:Its Potential in reducing the ecological footprint , water footprint and carbon footprint for sustainable development “.Dr.M.Anjireddy,Professor and Director,JNTUH spoke on “Sustainability and Development of Environment”.</p> <p>Dr.N.Sanjeev,Professor of GRIET talked on the topic “Sustainable Concrete Technology”.Brig.P.Ganesham,President,Pallesrujana,NGO talked on “Sustainable Rural Technologies”.Er.G.K.Anand,former Chief Engineer ,PARKDAVIS India and Member,Energy Conservation Mission , Institution of Engineers(India),AP Centre,Hyderabad spoke on “How to become the Certified Energy Auditor of Bureau of Energy Efficiency(BEE) of Government of India?”. Mrs.Varalakshmi Bogale of Indian Green Building Council talked on “How to become the Certified Green Building Professional as per Indian Green Building Council ?”.Dr.Mohd.Hussain,Professor and HOD spoke on “Environmental Ethics , Leadership and Communication for sustainable resource management based on the concepts of Ecological footprint, Water footprint and Carbon footprint”.</p> | | | | |

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Expenditure (in rupees) : Rs.56160/-
IRG (Internal Revenue Generation) : Rs.3600/-

POs attained with this Event
(number and description)

- 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.

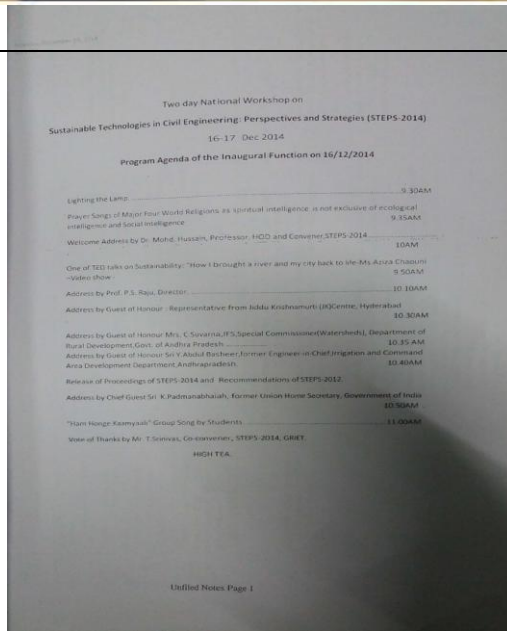
| | |
|--|--|
| | <ul style="list-style-type: none"> g. Understand the effect of Engineering solutions on environment and to demonstrate the need for sustainable development. h. Understanding of professional and ethical responsibility. i. Work effectively as an individual or in a team and to function 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. "Sustainable Waste Remediation by Bioenergy generation", Dr. S.Vinod Mohan, Principal Scientist, Indian Institute of Chemical Technology(ICT),Hyderabad, Winner of Shantiswarup Bhargava Award 2014.
2. "Art and Science of living with the attitude of unconditioned mind by the process of choiceless awareness from moment to moment of Judda Krishnamurti,United Nations Peace Medal Winner. Its potential in reducing the ecological footprint, water footprint and carbon footprint for sustainable development", Representatives from Jidukrishnamurti Centre, Hyderabad.
3. "Visit to Rural Technology Park (RTP)", National Institute of Rural Development (NIRD), Hyderabad.
4. "Sustainable Rural Technologies" -Bng Ganeshan, President, Pullarajana, NGO Hyderabad.
5. "How to become the Certified Energy Auditor of Bureau of Energy Efficiency (BEE) of Government of India?", Mr.G. K. Anand, former Chief Engineer, PARKEDAVIS India & Member, Energy Conservation Mission, Institution of Engineers(India),AP Centre,Hyd.
6. "Sustainability and development of Environment", Dr.M.Angurady, Professor and Director, JNTUH, Hyderabad.
7. "Bacterial Concrete- A self-healing sustainable solution for crack remediation and enhancement of durability properties of concrete", Er. V. Srinivasa Reddy, Associate Professor, GRIET,Hyderabad.
8. "Environmental Ethics, Leadership and Communication for sustainable resource management based on the concepts of Ecological footprint and Water footprint", Dr. Mohd. Hussain, Professor & HOD, Department of Civil Engineering, GRIET, Hyderabad.
9. "How to become the certified Green Building Professional as per Indian Green Building Council?" Mrs. Varalakshmi Bopale, B. Arch, LEEDAP, Principal Architect, GREEN INERTIA.
10. "Sustainable Concrete Technology",Dr.N Sanjeev, Professor, GRIET, Hyderabad.

Organizing Committee

- Chief Patron : Prof. P.S. Raju
Director, GRIET
Dr. Jandhyala N. Murthy
Principal, GRIET
- Patron : Dr. Mohd. Hussain,
Professor & HOD,
Dept. of Civil Engineering,
GRIET
- Convener : Mr. T. Srinivas, Associate Professor, GRIET
Mr. Y. Kamalaraju, Assistant Professor, GRIET

Address for Communication

Dr. Mohd. Hussain
Professor and HOD
Convener, STEPS 2014
Department of Civil Engineering
Gokaraju Rangaraju Institute of Engineering and
Technology (GRIET), Bachupally, Kakatpally,
Hyderabad - 500 090.
Email: hod_civil@griet.ac.in
(Off) 040-23042555/666777
Cell: 9963886472/9505716522

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 no registration fee for participating faculty. It is sponsored under World bank funded TEQP PHASE-II.

Two Day National workshop On Sustainable Technologies in Civil Engineering: Perspectives and Strategies STEPS - 2014 16-17 December, 2014 (Under TEQP - II)



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
Bachupally, Kakatpally, 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 1987 under the patronage of the Gokaraju Rangaraju Educational Society. The college is approved by AICTE and is affiliated to JNTU, Hyderabad. The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. The present student strength is around 3770 in eight undergraduate and eight postgraduate courses. Autonomous status is awarded to GRIET by Jeevanbharathi Naluru Technological University Hyderabad (NTUH). The college is NBA accredited in ME, CSE, IT, ECE, BT and EEE. The institute is accredited by NAAC with 'A' grade. The college is selected for TEQP programme of World Bank.

Department of Civil Engineering

The Department of Civil Engineering is established in the year 2008, with an intake of sixty students which is further increased to 120 students from the academic year 2009. 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 fundamentals. The Department has experienced and well talented faculty which includes three doctorates.

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

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.

About the workshop

One of the eight millennium development goals of United Nations focuses on "ensuring environmental sustainability". All one hundred ninety two member states of United Nations have agreed to achieve all the eight millennium development goals by the year 2015.

In this context, the present national workshop with a focal theme on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2014)" 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 wastes, this workshop invites all those involved in this endeavour to attend for technical enrichment.

Objective: In the present millennium, "sustainability" is increasingly becoming a key social, political, scientific and engineering issue. The global importance of sustainability is evident now as United Nations has declared 2005-2014 as UN decade for sustainable development. Sustainable development, which can very simply be defined as a process in which one tries not to take more from nature than nature can replenish, can be obtained without sacrificing the many benefits that modern technology has brought. The only problem is to make the technology respect the imposed constraint. Engineers are asked to do this by designing new processes and/or by modifying existing processes using renewable resources and producing by-products that can be safely returned to the earth. In this context, the present workshop intends to focus on sustainable technologies in Civil Engineering and discuss in detail about their implementation issues to be resolved.

Application Form Two Day National Workshop on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies" STEPS-2014 16-17 December, 2014 (Under TEQP - II)

Applicant's Details:

Name:
Designation:
Department:
Mobile No.:
Landline No.:
E-mail ID:
Qualification with Specialization:
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

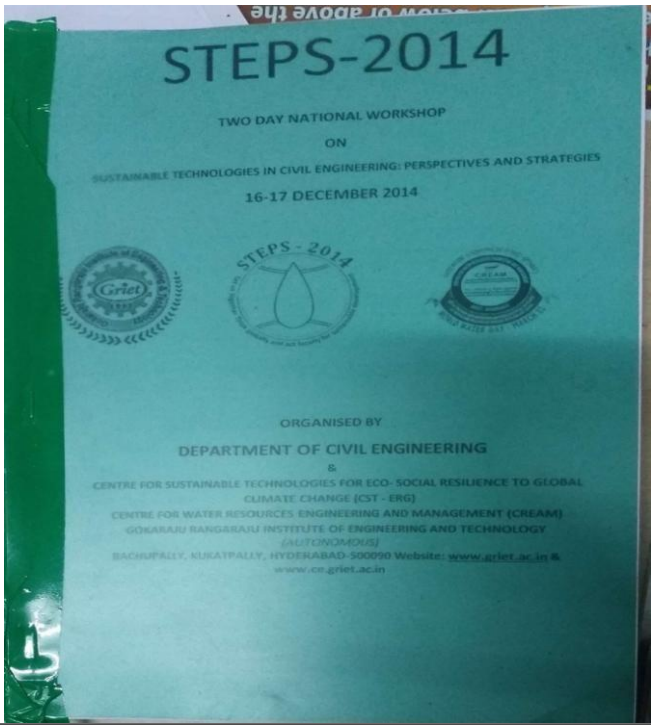
Signature and Seal of Principal/ Institute

Place:
Date:
(Photo copies of the registration forms are permitted)

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
DEPARTMENT OF CIVIL ENGINEERING
 STEPS-2014 (SPONSORED BY TEQIP III)

FEEDBACK FORM

| Sl No | Date | Name of the resource person with Topic | Rating | | | | |
|-------|---------------------------|--|-------------|-----------|------|---------|----------------|
| | | | Outstanding | Excellent | Good | Average | To be improved |
| 1 | 16 th Dec 2014 | Sri K. Padmanabhaiah, Former Union Home Secretary, Government of India | Outstanding | Excellent | Good | Average | To be improved |
| 2 | 16 th Dec 2014 | Er.Y. Abdul Haquez, former Engineer-in-Chief, Irrigation and Command Area Development Dept., Govt. of AP | Outstanding | Excellent | Good | Average | To be improved |
| 3 | 16 th Dec 2014 | Dr.C.Savarna, IFS, Special Commissioner (Watersheds), Govt. of AP | Outstanding | Excellent | Good | Average | To be improved |
| 4 | 17 th Dec 2014 | How to become the Certified Energy Auditor of Bureau of Energy Efficiency (BEE) of Government of India. Mr.G.K. Anand, former Chief Engineer, PARKDAVIS India, & Member, Energy Conservation Mission, Institution of Engineers (India), AP Centre, Hyderabad | Outstanding | Excellent | Good | Average | To be improved |
| 5 | 17 th Dec 2014 | How to become the Certified Green Building Professional as per Indian Green Building Council? Mrs. Varalakshmi Bogala, B Arch, LEEDAP, Principal Architect, GREEN | Outstanding | Excellent | Good | Average | To be improved |
| 6 | 17 th Dec 2014 | Representatives from Jiddu Krishna Murthi Centre, Hyderabad "Art and Science of living with the attitude of unconditioned mind by the process of choicelent awareness from moment to moment of Jiddu Krishna murthi. Its potential in reducing the ecological footprint, water footprint and carbon footprint for sustainable development" | Outstanding | Excellent | Good | Average | To be improved |
| 7 | 17 th Dec 2014 | "Environmental Ethics, Leadership and Communication for sustainable resource management based on the concepts of Ecological Footprint and Water Footprint", Dr. Mohd. Hussain, Professor & HOD, Department of civil Engineering, GRIET, Hyderabad | Outstanding | Excellent | Good | Average | To be improved |
| 8 | 17 th Dec 2014 | "Sustainable Concrete Technology", Dr. N Sanjeev, Professor, GRIET, Hyderabad. | Outstanding | Excellent | Good | Average | To be improved |
| 9 | 17 th Dec 2014 | "Sustainability and development of Environment", Dr. M. Anjireddy, Professor and Director, JNTUH | Outstanding | Excellent | Good | Average | To be improved |
| 10 | 17 th Dec 2014 | Sustainable Rural Technologies (Brig. Ganesham, President, Pallanjanra, NGO) | Outstanding | Excellent | Good | Average | To be improved |
| 11 | 16 th Dec 2014 | Visit to Rural Technology Park (KITP), National Institute of Rural Development (NIRD), Hyderabad. | Outstanding | Excellent | Good | Average | To be improved |







ASSOCIATE DEAN STUDENT AFFAIRS OFFICE

GRIET/ADSAO/13/G/15-16

EVENT SUMMARY REPORT OF STEPS-2015

| | | | | |
|--|--------------------|--|------------|-------------|
| Department | | Centre for Sustainable Technologies for Eco-Social Resilience to Global Climatic Change and Centre for water resources Engineering and Management (CREAM). | | |
| | Institutional Body | | | |
| 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-2015) | | |
| Details of the Coordinator/Resource Person | | Dr.Mohd.Hussain Professor and HOD/Civil | | |
| Dates on which Event is held | | From | To | No. of Days |
| | | 28.12.2015 | 30.12.2015 | 3 |
| Details of the Speaker / Guest Name Organization | | Dr.M.V.Seshagiri Rao, Professor, JNTUH Dr.N. Uma Mahesh, Professor, NIT Warangal Er. V.V.Krishna Reddy,Chief Consultant, Continental Designers , Hyderabad Er.Nagesh Gupta, Expert from Indian Green Buildings Council Dr. Phanindra Kumar , Centre for Geoinformatics Applications in Rural Development (C-GARD),National Institute of Rural Development and Panchayat Raj Dr. C.S.R.K.Prasad, Professor, NIT Warangal | | |

| Participants (Teaching Faculty / Non-Teaching Faculty / Students) | No.of Faculty | No. of UG students | No.of PG Students | No.of outside participants | Total Participants |
|---|--|--------------------|-------------------|----------------------------|--------------------|
| | | 30 | 12 | - | 12 |
| Summary of the Event | <p>The following topics were covered with the experts named against the topics:</p> <ol style="list-style-type: none"> 1. Sustainable Concrete Technologies- Prof.Dr. M V Seshagiri Rao, Professor, JNTUH. 2. Sustainable Water Management- Prof. Dr. N Uma Mahesh, NIT, Warangal. 3. Sustainable Transportation Technologies- Prof. Dr. CSRK Prasad, NIT, Warangal. 4. Green Building Technologies - Experts form Indian Green Building Council(IGBC). 5. Field Visit to Green Buildings. 6. Sustainable Rural Development using GIS Technologies - Dr.T. Phanindra Kumar, Centre for Geoinformatics Applications in Rural Development (C-GARD), National Institute of Rural Development (NIRD) & Panchayathraj, Hyderabad. 7. Sustainable Waste Remediation by Bio energy Generation - Dr. S. Venkata Mohan, Principal Scientist, Indian Institute of Chemical Technology (IICT) Hyderabad. Shanti Swaroop Bhatnagar Awardee 2014. 8. Sustainable Construction Technologies- Er. V V Krishna Reddy , Chief Consultant, Continental Designers, Hyderabad. 9. Possible Attitudinal changes and Life style changes for reducing the rate of consumption of natural resources , the ecological footprint and the greenhouse gas emissions using MAHARSHI PATANJALI YOGA at both individual and collective levels - Prof. M. Venkata Reddy, Yoga therapist to His Excellency Governor of Telangana & Andhra Pradesh & Former Director, Government Vemana Yoga Research Institute , Hyderabad | | | | |
| .IRG (in rupees) | 8400/-(Rupees Eight Thousand Four Hundred Only) | | | | |

Expenditure (in Rupees)

1,03,400/-

POs attained with this Event
(number and description)

- 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.

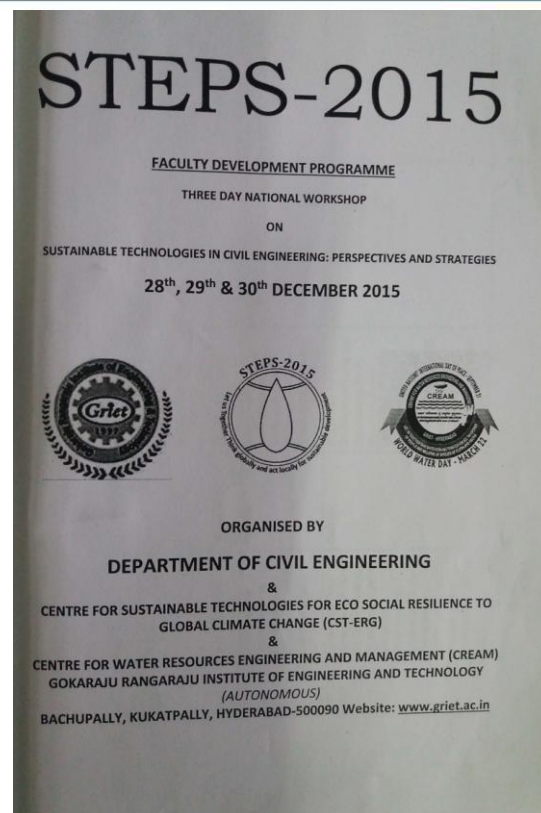
Photographs of the event
(Hard copy and Soft copy)





Proofs:

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



| TOPICS OF WORKSHOP | REGISTRATION FEE | ADVISORY COMMITTEE |
|---|--|---|
| <ol style="list-style-type: none"> Sustainable Concrete Technologies Prof. Dr. M.V. Seshagiri Rao, Professor, IITUH. Sustainable Water Management Prof. Dr. N. Uma Maheswari, IIT, Warangal. Sustainable Transportation Technologies Prof. Dr. CSK Prasad, IIT, Warangal. Green Building Technologies Experts from Indian Green Building Council (IGBC). Field Visit to Green Buildings. Sustainable Rural Development using GIS Technologies Dr. C. Phaniendra Kumar, Centre for Geoinformatics Applications in Rural Development (C-GARD), National Institute of Rural Development (NIRD) & Panchayathraj, Hyderabad. Sustainable Waste Remediation by Bioenergy Generation - Dr. S. Venkata Mohan, Principal Scientist, Indian Institute of Chemical Technology (IICT) Hyderabad. Shanti Swaroop Bhatnagar Award 2014. Sustainable Construction Technologies - B. V. Krishna Reddy, Chief Consultant, Continental Designs Hyderabad. Possible Attitudinal changes and Lifestyle changes for reducing the rate of consumption of natural resources, the ecological footprint and the greenhouse gas emissions using MAHARISHI RATNAJI YOGA at both individual and collective levels - Prof. M. Venkata Reddy, Yoga therapist to His Excellency Governor of Andhra Pradesh & Former Director, Government Venana Yoga Research Institute, Hyderabad. | <ul style="list-style-type: none"> The Registration fee for Faculty is Rs. 200 DD Can be drawn in favour of MS HOD CIVIL DEPARTMENT Hyderabad The registration fee includes Course Material, Lunch, and Snacks Applications can be downloaded or photocopied. Selection is based on first come first serve basis. Participation Certificates will be provided to each participant. | <div style="text-align: center;">  <p>Faculty Development Program</p> <p>Three Day National workshop</p> <p>on</p> <p>Sustainable Technologies in Civil Engineering Perspectives and Strategies</p> <p>STEPS - 2015</p> <p>28-30 December-2015</p> <p>UNDER TEQIP II</p>  <p>Organized by Department of Civil Engineering & Centre for Sustainable Technologies for Eco Social Resilience to Global Climate Change (CSTERG) & Centre for Water Resources Engineering and Management (CREAM)</p> <p>GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY</p> <p>Hyderabad, Telangana - 500 078 Indraprastha, Hyderabad - 500 081 Ph: 9866 786 807</p> </div> |
| <p>BOARDING & LODGING</p> <p>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.</p> | <p>COMMUNICATION ADDRESS</p> <p>Dr. Mohd. Hussain, Professor and HOD, Convener, STEPS 2015, Department of Civil Engineering Gokaraju Rangaraju Institute of Engineering and Technology Bachupally, Kakatipally, Hyderabad - 500 090. Email : drp@igriet.ac.in (Ph: 0986 2361 255/9866777 Cell: 09963880472/ 09849017741</p> | |



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)

FACULTY DEVELOPMENT PROGRAMME

SUSTAINABLE TECHNOLOGIES IN CIVIL ENGINEERING: PERSPECTIVES AND STRATEGIES

STEPS – 2015

(Under TEQIP-II)

CERTIFICATE

This is to certify that Mr. G.V.V. SATYANARAYANA, Associate Professor from GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY has participated in three day national workshop (FDP) on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies" (STEPS – 2015) on 28-30 December , 2015.

CONVENER

PRINCIPAL









ASSOCIATE DEAN STUDENT AFFAIRS OFFICE

GRIET/ADSAO/13/G/16-17

EVENT SUMMARY REPORT OF STEPS-2016

| | | | | | | |
|--|--------------------|---|--------------------|-------------------|----------------------------|--------------------|
| Department | | Centre for Sustainable Technologies for Eco-Social Resilience to Global Climatic Change and Centre for water resources Engineering and Management (CREAM). | | | | |
| | Institutional Body | | | | | |
| 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-2016) | | | | |
| Details of the Coordinator/Resource Person | | Dr.Mohd.Hussain Professor and HOD/Civil | | | | |
| Dates on which Event is held | | From | To | No. of Days | | |
| | | 21.12.2016 | | 1 | | |
| Details of the Speaker / Guest Name Organization | | Dr.Mohd.Hussain,Professor and HOD,Dept. of Civil Engineering , GRIET Dr.S.Satyanarayana, Chairman of Institution of Engineers(India),Telangana Centre and Dr.I.S.N.Raju,Immediate Past Chairman of Institution of Engineers(India),Telangana Centre Dr.J.N.Murty, Principal , GRIET was the chief guest DrV.Mallikarjuna Reddy, Professor ,GRIET has given welcome address. Dr.V.Srinivasa Reddy, Professor,GRIET has given the vote of thanks | | | | |
| Participants (Teaching Faculty / Non-Teaching Faculty / Students) | | No.of Faculty | No. of UG students | No.of PG Students | No.of outside participants | Total Participants |
| | | 20 | 17 | - | - | 37 |

| | |
|---------------------------------------|--|
| <p>Summary of the Event</p> | <p>SUMMARY OF REPORT ON STEPS-2016 One day National Workshop on " Sustainable Technologies in Civil Engineering :Perspectives and Strategies(STEPS-2016) was held on 21/12/2016 at Gokaraju Rangaraju Institute of Engineering and Technology (GRIET).As a part of the workshop, Dr.Mohd.Hussain,Professor and HOD,Dept. of Civil Engineering , GRIET has delivered Institution of Engineers(India) sponsored Er.R.L.Raju second endowment lecture on "Seventeen Sustainable Development Goals of United Nations to be achieved by 2030:Action Planning and Implementation for Civil Engineers".Dr.S.Satyanarayana, Chairman of Institution of Engineers(India),Telangana Centre and Dr.I.S.N.Raju,Immediate Past Chairman of Institution of Engineers(India),Telangana Centre were present.Dr.J.N.Murty, Principal , GRIET was the chief guest.DrV.Mallikarjuna Reddy, Professor ,GRIET has given welcome address.Dr.V.Srinivasa Reddy, Professor,GRIET has given the vote of thanks.</p> |
| <p>IRG (in rupees)</p> | <p>3700/-(Rupees Three thousand Seven Hundred only)</p> |
| <p>Expenditure (in rupees)</p> | <p>30425/-(Rupees Thirty Thousand Four Hundred Twenty Five only)</p> |

POs attained with this Event

(number and description)

- 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.,





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 – 2016

CERTIFICATE

This is to certify that Dr N. SANJEEV, Professor from GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY has participated in two day national workshop on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies" (STEPS – 2016) on 21 December, 2016. He has delivered a lecture as a resource person of the workshop on the topic "Practices in sustainable concrete technology".

CONVENER

DIRECTOR

TOPICS OF WORKSHOP

1. Seventeen sustainable development goals of United Nations to be achieved by 2030: Action planning and Implementation for Civil Engineers-Dr. Mohd. Hussain, Professor & HOD, GRIET.
2. Practices in sustainable concrete technology-Dr. N.Sanjeev, Professor & Dean, GRIET.
3. Self-Compacting Concrete - A Sustainable Concrete-Dr V Mallikarjuna Reddy, Professor, GRIET.
4. Bacterial concrete: A Sustainable Self-healing Bio Construction material-Dr. V Srinivasa Reddy, Professor, GRIET.
5. Nature cure methods to prevent and cure life style diseases-Dr. M. V. Mallikarjun, Superintendent and Director of Vemana yoga research institute, Nature Cure Hospital, Govt Of Telangana, Begumpet, Hyderabad

ORGANIZING COMMITTEE

Chief Patron

Prof. P.S. Raju, Director, GRIET

Patron

Dr. Jandhyala N. Murthy, Principal, GRIET

Convener

Dr. Mohd. Hussain, Professor & HOD

Dept. of Civil Engineering, GRIET

Co-Convener

Dr V Mallikarjuna Reddy, Professor, GRIET.

Coordinators

Mr. Y. Kamalaraju, Assistant Professor, GRIET.

Mr. S. Venkataswamy, Assistant Professor, GRIET.

Mr. V. Naresh Kumar Venna, Assistant Professor, GRIET.

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 prioritization.

Registration fee

There is no registration fee for participating faculty.

COMMUNICATION ADDRESS

Dr. Mohd. Hussain

Professor and HOD,

Convener, STEPS 2016,

Department of Civil Engineering

Gokaraju Rangaraju

Institute of Engineering and Technology

Bachupally, Kakatiya Rd, Hyderabad - 500 096.

Email: step@griet.ac.in

(OFF) 040- 2304 255/566/777

Cell: 09963880472



One Day
National workshop
On
Sustainable Technologies in
Civil Engineering
Perspectives and Strategies
STEPS - 2016

21 December 2016



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)

Accredited by NBA, NAAC with 'A' Grade

Bachupally, Kakatiya Rd, Hyderabad-500 096

Web: www.griet.ac.in

ABOUT THE GRIET

Gokharaju Rangaraju Institute of Engineering and Technology (GRIET) is a premier institute of engineering, established in the year 1997 under the patronage of the Gokharaju Rangaraju Educational Society. The college is approved by AICTE and is affiliated to JNTU, Hyderabad. The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social relevance. Autonomous status is awarded to GRIET by Jawaharbal Nehrul Technological University Hyderabad (JNTUHL). The college is NBA accredited in CE, ME, CSE, IT, ECE, and EEE. The institute is accredited by NAAC with 'A' grade. The college is selected for TEQIP programme of World Bank.

ABOUT THE DEPARTMENT

The Department of Civil Engineering is established in the year 2008, with an intake of sixty students which is further increased to 120 students from the academic year 2009. 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 fundamentals. The Department has experienced and well-talented faculty which includes five doctorates.

Centre for Sustainable Technologies for Eco Social Resilience to Global Climate Change (CST-ESR) & 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 overleaf meaning of STEPS-2016 logo

The logo contains the figures of Globe, Polar icecaps (top and bottom circles) and D drop. The drop represents water drop, oil drop, flame and leaf emphasizing the importance of global conservation of water, oil, energy and environment. 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 17 sustainable development goals and 169 targets (<http://sustainabledevelopment.un.org>). Sustainable technologies in civil engineering have a major role in attaining these goals.

Intended Nationally Determined Contributions (NDC), submitted to the UN Climate body, UNFCCC (United Nations Framework Convention on Climate Change) India has promised to reduce greenhouse gas emissions by 33 to 35 percent by 2030 from 2005 level (newsroom.unfccc.int).

In this context, the present national workshop with a focal theme on **"Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2016)"** 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.

Objectives: In the present millennium, "sustainability" is increasingly becoming a key social, political, scientific and engineering issue. Sustainable development, which can very simply be defined as a process in which one tries not to take more from nature than nature can replenish, can be obtained without sacrificing the many benefits that modern technology has brought. The only problem is to make the technology respect the imposed constraints. Engineers are asked to do this by designing new processes and/or by modifying existing processes using renewable resources and producing by products that can be safely returned to the earth. In this context, the present workshop intends to focus on sustainable technologies in Civil Engineering and discuss in detail about their implementation issues to be resolved.



One Day
**National Workshop on
"Sustainable Technologies in Civil
Engineering: Perspectives and Strategies"
STEPS-2016
21 December 2016**

Registration Form


Name: _____
Designation: _____
Department: _____
Mobile No.: _____
Landline No.: _____
E-mail ID: _____
Qualification with Specialization: _____
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 of the applicant: _____

Signature and Seal of Principal/ Institute

Place: _____
Date: _____
(Photo copies of the registration forms are permitted)



The Institution of Engineers (India)
Telangana State Centre, Hyderabad.
cordially invite you to the

**Er R L RAJU Second Endowment Lecture on
"SEVENTEEN SUSTAINABLE DEVELOPMENT GOALS OF UNITED
NATIONS TO BE ACHIEVED BY 2030: ACTION PLANNING AND
IMPLEMENTATION FOR CIVIL ENGINEERS"**

by
Dr MOHD. HUSSAIN, Ph.D., FIE
Professor & Head, Dept. of Civil Engineering & Coordinator,
Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate
Change, Gokharaju Rangaraju Institute of Engg. & Technology, Hyderabad.

Chief Guest:
Dr JANDHYALA N MURTHY, Ph.D
Principal, Gokharaju Rangaraju Institute of Engg. & Technology, Hyderabad

President:
Dr S SATYANARAYANA, FIE
Chairman, The Institution of Engineers (India), Telangana State Centre

on Wednesday, the 21st December, 2016 at 1100 hrs.
at College Campus, Gokharaju Rangaraju Institute of
Engineering & Technology, Hyderabad.

Er G. Rameshwar Rao, FIE
Hon Secretary, IEL TSC
(Programme overleaf)

PROGRAMME

| | |
|---|---|
| Welcome | Er G Rameshwar Rao, FIE Hon. Secretary, IEL, TSC |
| President's Opening Remarks | Dr S Satyanarayana, Ph.D, FIE Chairman, IEL, TSC |
| About the Endowment Lecture | Dr I Satyanarayana Raju, Ph.D, FIE Imm. Past Chairman, IEITSC |
| Er R L RAJU Second Endowment Lecture on <i>'Seventeen Sustainable Development Goals of United Nations to be achieved by 2030: Action Planning and Implementation for Civil Engineers'</i> | Dr MOHD. HUSSAIN, Ph.D, FIE Professor & Head, Dept. of Civil Engg. & Coordinator, Centre for Sustainable Technologies for Eco- Social Resilience to Global Climate Change, Gokharaju Rangaraju Institute of Engineering & Technology, Hyderabad. |
| Address by Chief Guest | Dr JANDHYALA N MURTHY, Ph.D. Principal, Gokharaju Rangaraju Institute of Engineering & Technology, Hyderabad. |
| Vote of Thanks | Dr G Shravan Kumar, FIE Member, IEL, TSCC |

The Institution of Engineers (India)
Telangana State Centre



**Er. R.L. Raju Second Endowment Lecture on
"SEVENTEEN SUSTAINABLE DEVELOPMENT
GOALS OF UNITED NATIONS TO BE ACHIEVED
BY 2030 : ACTION PLANNING AND
IMPLEMENTATION FOR CIVIL ENGINEERS"**

by

Prof. Dr. MOHAMMED HUSSAIN, FIE

Professor and Head, Department of Civil Engineering & Coordinator, Centre for Sustainable
Technologies for Eco-Social Resilience to Global Climate Change, Gokharaju Rangaraju
Institute of Engineering and Technology, Hyderabad

21st December, 2016

"Visvesvaraya Bhavan", Khairatabad,
Hyderabad - 500 004.



Dr. MOHAMMED HUSSAIN

Born in 1962, Prof. Dr. Mohammed Hussain graduated in civil engineering in 1983 from Nation Institution of Technology, Warangal. He obtained M.E degree in Hydromechanics and Water management from University College of Engineering, Osmania University. He obtained Ph.D in water resource engineering from Jawaharlal Nehru Technological University Hyderabad.

He served for twenty two years as a irrigation Engineer in then undivided AP state Irrigation and Command Area development department. He was former faculty member in Water and Land Management Training and Research Institute (WALAMTARI) Hyderabad. He was associated as a trainer in world bank aided projects that is National water management project, participatory irrigation management (PIM) and hydrology project. He trained hundreds of officers of irrigation department and agricultural department and thousands of farmers in the area of irrigation management during his tenure of fourteen years at WALAMTARI. He obtained PG diploma in Designed and Construction of Concrete Structures from Annamalai University and Master of Human Resource Management (MHRM) from Pondicherry University. He was former Principal, Malla Reddy Institute of Technology (MRTI) and Director (Research) Vidhya Vikas Institute of Technology (VVI). He was trained in reputed institutes in the area of irrigation and water resources management such as International Irrigation Center, Utah State University ;National Water Academy (Pune), Central Water Power Research Station (Pune); National Institute of Hydrology Roorh, NIT Warangal; IIT Hyderabad; IIT Bombay; Administrative Staff College of India (ASCI) Hyderabad; National Institute of Rural Development (Hyderabad); Engineering Staff College of India (Hyderabad).

He was associated with two year collaborative research project with National Geophysical Research Institute (NGRI) in Chittoor district sponsored by Rajiv Gandhi Drinking Water Mission of Ministry of Rural Development, Government of India during his years at WALAMTARI. The name of the project was **"Captive resource and ground water sanctuary development for creating drinking water source in Chittoor district"**

To enhance the management capacity of engineers, he delivered twelve management lectures during the last decade at Institution of Engineers(India) Hyderabad. He delivered five technical lectures at Institution of Engineers(India). He was resource person for many workshops. He participated in the Management Enhancement Program of Indian Institute of Management (IIM) Kozhikode. He presented twelve papers in International conferences and thirteen papers in National conferences. He was one of the founding members of Energy Conservation Mission(ECM) of Institution of Engineers (India). Two of B.Tech projects under his guidance won National award of best B.Tech project of Indian Society for Technical Education (ISTE)- NIT Kozhikode during 2003- 2004 and 2005- 2006. He is now guiding two Ph.D students of JNTUH in the area of Water Resource Engineering.

He is founding coordinator for three centres at Gokaraju Rangaraju Institute of Engineering and Technology(GRIET); Centre for Continuous Excellence in Life Skills, Centre for Sustainable Technologies for Eco Social Resilience to Global Climate change and Centre for Water Resources Engineering and Management (CREAM).

Signature of Coordinator

Signature of HOD

Topics of Workshop:

1. Seventeen sustainable development goals of United Nations to be achieved by 2030: Action planning and Implementation for Civil Engineers- Dr. Mohd. Hussain, Professor & Dean, GRIET.
2. Air Pollution Management for sustainable environment- Dr T .V. B. P.S. Ramakrishna, Principal Scientist, National Environmental Engineering Research Institute (NEERI), Hyderabad Zonal Centre, ICT campus, Uppal Road, Hyderabad 500007
3. Sustainable Watershed Management- Case Studies- Dr. Suhas P Wani, Director, ICRISAT Development Centre, International Crops Research Institute for the Semi-Arid Tropics (ICRISAT).
Award winner as one of fifty most impactful global leaders in Water and Water Management. Internationally recognized for his contributions in ADARSHA Watershed in Kothapally near Hyderabad.
4. Green Buildings as Sustainable Construction –Expert from Indian Green Building Council.
5. Sustainable Transportation Technologies- Dr. P. Sravana, Professor, Dept. of Civil Engg, JNTUH College of Engg, Hyd.
6. Daily Practice of eight steps of Maharishi Patangali Yoga to prevent and cure Life Style Diseases including Mental disorders- -Dr. M. Nagalakshmi, Senior Medical Officer, Govt. Nature Cure Hospital, Govt. of Telangana, Begumpet, Hyderabad.

7. Field Visit to ICRISAT

Organizing Committee:

- Chief Patron : Prof. P.S. Raju,
Director, GRIET
- Patron : Dr. Jandhyala N. Murthy
Principal, GRIET
- Convenor : Dr. Mohd. Hussain,
Professor & Dean,
Dept. of Civil Engineering, GRIET
- Co- Convenor : Dr V Mallikarjuna Reddy,
Professor & HOD, GRIET.

Coordinators:

- Mr. Y. Kamalaraju, Assistant Professor, GRIET.
Ms. I. Chandana, Assistant Professor, GRIET.
Ms. Ch. Vaishnavi Devi, Assistant Professor, GRIET.
Mr M Govardhan Reddy, Assistant Professor, GRIET.
Ms. P Santhiraj, Assistant Professor, GRIET.

Address for Communication:

Dr. Mohd. Hussain,
Professor and Dean,
Convenor, STEPS 2017,
Department of Civil Engineering
Gokaraju Rangaraju Institute of Engineering and
Technology (GRIET), Bachupally, Kukatapally,
Hyderabad – 500 090.
Email : steps@griet.ac.in
(Off): 040- 2304 2555/666/777

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.



7th Annual National Workshop On Sustainable Technologies in Civil Engineering: Perspectives and Strategies STEPS - 2017 21-22 December 2017



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, Kukatapally, Hyderabad-500090
Website: www.griet.ac.in

GRIET

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Department of Civil Engineering

The Department of Civil Engineering is established in the year 2008, with an intake of sixty students which is further increased to 120 students from the academic year 2009. 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 six doctorates.

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 -2017 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.

Intended Nationally Determined Contributions (INDC), submitted to the UN Climate body, UNFCCC (United Nations Framework Convention on Climate Change), India has promised to reduce greenhouse gas emissions by 33 to 35 percent by 2030 from 2005 level (newsroom.unfccc.int).

In this context, the present national workshop with a focal theme on “**Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2017)**” 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.

Objectives: In the present millennium, “sustainability” is increasingly becoming a key social, political, scientific and engineering issue. Health is the state of unbroken and indivisible wholeness and completeness. Health is also the expansion of consciousness (Margaret Newman). Perspective expansion causes the expansion of consciousness.

Health is a state of complete physical, mental, social wellbeing, 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 (World Health Organization).

In this context, the present workshop intends to focus on sustainable technologies in Civil Engineering and their implementation issues to be resolved towards sustainable and healthy environment.



Application Form

Two Day National Workshop on
“Sustainable Technologies in Civil Engineering:
Perspectives and Strategies”

STEPS-2017

21-22 December 2017

Applicant's Details

Name:

Designation:

Department:

Mobile No. :

Landline No. :

E-mail ID:

Qualification with Specialization:

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

EVENT SUMMARY REPORT

| | |
|--|--|
| Nature of the Event | Workshop |
| Title / Theme of the Event | 7 th Annual Workshop on Sustainable Technologies in Civil Engineering: Perspectives and strategies (STEPS 2017) |
| Details of the Coordinator | Dr.Mohd.Hussain, Professor and Dean (Life Skills and Outreach), Dept. of Civil Engineering , Gokaraju Rangaraju Institute of Engineering and Technology(GRIET), Hyderabad |
| Date on which Event is held | 21-22 DECEMBER 2017 |
| Details of the Speaker / Guest | <ol style="list-style-type: none">1. Dr.Mohd.Hussain, GRIET2. Dr.T.V.B.P.S.Rama Krishna principal scientist NEERI HYD3. Dr.Kaushal K Garg scientist,ICRISAT4. Dr.P.Sravana professor JNTUH College of Engineering HYD5. Dr.M.Naga Laxmi, Senior medical officer govt natural cure hospital hyd |
| Name | |
| Organization | |
| Target Audience (Teaching Faculty / Non-Teaching Faculty / Students) | Students and faculty |

| | |
|---|--|
| <p>Summary of the Event</p> | <p>Seventh Annual National workshop on “Sustainable Technologies in Civil Engineering : Perspectives and Strategies (STEPS-2017)” was successfully organized during 21-22 December 2017, by the Department of Civil Engineering , Centre for Water Resources Engineering and Management (CREAM) and Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate Change (CST-ERG) of Gokaraju Rangaraju Institute of Engineering and Technology (GRIET),Hyderabad.Dr.Kaushal K.Garg , Senior Scientist in ICRISAT Development Centre , International Crops Research Institute for Semi Arid Tropics (ICRISAT) was the chief guest. Dr.Mohammed Hussain, Professor and Dean (Life Skills and Outreach) who was the Convener of STEPS- 2017 gave welcome address and Dr.J.N.Murthy , Principal stressed the importance of sustainable technologies in his address. There was field visit to ICRISAT at Patancheru, Hyderabad. There were altogether six expert lectures dealing with seventeen sustainable goals of United Nations to be reached by 2030(Dr.Mohd.Hussain,Professor and Dean,GRIET) , Sustainable watershed management(Dr.Kaushal .K.Garg of ICRISAT) , Sustainable physical , mental and social health practicing eight steps of Maharishi Patanjali Yoga in daily life(Dr.M.Nagalakshmi, Senior Medical Officer,Govt.Nature Cure Hospital,Begumpet) , Green Buildings as Sustainable Construction(Ar.Srinivas Murthy of SMG Architects) , Sustainable Transportation Technologies(Dr.P. Sravana,Professor,JNTUH College of Engineering,Hyderabad) and Air pollution management for sustainable environment(Dr.T.V.B.P.S.Ramakrishna,Principal Scientist , National Environmental Engineering Research Institute –NEERI,Hyderabad Centre). Around fifty faculty and students participated in the workshop.</p> |
| <p>POs attained with this Event (number and description)</p> | <p>l)recognize the need for and ability to engage to lifelong learning i)work effectively as an individual or in a team and function on multi disciplinary context j)communicate effectively with engineering community with society</p> |
| <p>Photographs of the event (Hard copy and Soft copy)</p> |  |



Signature of Coordinator

Signature of HOD




Gokaraju Rangaraju Institute of Engineering and Technology

EVENT SUMMARY REPORT

| | |
|---|---|
| Nature of the Event | Annual National Workshop |
| Title / Theme of the Event | STEPS-2018 (Sustainable Technologies in Civil Engineering : Perspectives and Strategies) |
| Details of the Coordinator | Dr.Mohd.Hussain, Professor of Civil Engineering , Coordinator, Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate Change (CST-ERG), GRIET, Hyderabad |
| Details of the Speaker / Guest Name Organization | <ol style="list-style-type: none"> 1.Dr.Mohd.Hussain,Professor, Coordinator,CST-ERG 2.Mrs.B.Varalaksmi,IGBC Member & Consultant to Green Buildings 3.Dr.V.V.Rao,Group Director,Water Resources, National Remote Sensing Centre (NRSC), Hyd. 4.Er.V.V.Krishna Reddy,Chief Consultant , M/s.Continental Designers , Hyd 5.Er.G.K.Anand,Former Chief Engineer,PARKDAVIS & Member,Energy Conservation Mission,Institution of Engineers(India), Telengana Centre, Hyd. 6.Emeritus Professor M.Venkata Reddy, Yoga Therapist, Former Director,Government Vemana Yoga Research Institute, Hyd. 7. Address by Chief Guest Sri J.Srikar , Vice President, Pallesrujana, NGO |
| Date on which Event is held | 18 &19 December 2018 |
| Summary of the Event | Brief Report of Inaugural function of 8 th Annual Two day National Workshop STEPS-2018 (Sustainable Technologies in Civil Engineering:Perspectives and Strategies)(Detailed report will be sent to all Deans and HODs through e-mail).Mr.J.Srikar,former Deputy General Manager , NABARD&now Vice-President,Pallesrujana (www.pallesrujana.org) was the chief guest.In his welcome address, Dr.Mohd.Hussain , Convenor, STEPS-2018 has emphasized the importance of religious values of all world religions to be proactive (not reactive)in the implementation of 17 sustainable goals of United Nations by |

2030 to improve India's Annual World Happiness Index of 133 (during 2018).According to Metaphysics of Vedanta, there are three types of suffering due to Acts of oneself due to compulsive addictions (Adhyatmika dukham),Acts of others (Adibautika dukham) and Acts of God (Adi daivika dukham).Present greedy conditioned minds cause high levels of consumption of all natural resources with high ecological footprint&also accumulate these sufferings day by day which manifest as physical, mental , emotional and social health problems.The voluntary deconditioned minds for sustainability are possible with "INSIDE-OUT Spiritual Stillness Attitude " of Unity Consciousness (saatvik knowledge).The repetition of Shanti (Peace) thrice is to pray God to protect all from three types of suffering.Also compassion towards all suffering (including oneself),Strength of Equanimity of spiritual self-absorption (samadhi) and Strength of Connection (yoga balam)with the infinity cause freedom from three types of suffering (Sri Mahabagavatam). Composite Cultural Integration for sustainability is possible with Gandhiji's prayer " Sab Ko Sanmati De Bhagavan"."Yogaha Karmasu Kaushalam" is the motto of both AICTE&JNTUH. Four minute video on " Dimensions of Sustainability " was played.Director Dr.J.N.Murthy has explained the importance of Green Concepts to bring material order,animal order,plant order and human order.Principal Dr.J.Praveen has asked to develop attitudes of taking milk out of water (like swan) and honey out of all flowers (like honey bee)to stop urgently the accumulative pollutions of oil, water, food, milk,rivers,space,oceans, animals etc.that cause BURDEN OF DISEASES to develop sustainability as world is not outside us.Dr.J.Srikar has given Clarion call for everyone to be an eminent innovator of Out-of-Box thinking to develop unique ideas of solutions to several problems.His organization works for patenting the works of uneducated Gross Root Innovators under National Innovation Foundation of India.Mr.Malleshm who has developed a weaving machine for pochampally sarees is given PADMADHREE by Govt.of India.He has given a TED talk in Telugu and a biopic film is now being made.Mr.Narasimha,a fisher man has invented a machine to remove the weed Water Hyacinth (Gurrapu Dekka in telugu) from water of lakes.Mr.Pandurang has developed a machine to bend rods used in building construction. Mr.Mastan has developed an engine which runs on castor oil.Lime is a replacement to cement.Rainwater harvesting and solar power are to be developed. Dr.Mallikarjuna Reddy,HOD, Dept.of Civil Engg. has proposed vote of thanks.Students at the end have recited Hindi song HAM HONGE KAAM YAAB .Peace ! Peace !Peace!-Dr.Mohd.Hussain,STEPS-2018, Convener.

Report of 8th Annual National Workshop on "Sustainable Technologies in Civil Engineering : Perspectives and Strategies (STEPS-2018)".Mr.J. Srikar ,former Deputy General Manager, NAABARD& now Vicepresident, Pallesrujana (www.pallesrujana.org)was the Chief Guest in the inaugural function of STEPS-2018. Dr.Mohd.Hussain has explained the Seventeen Sustainable goals of United Nations to be achieved by 2030.He has asked all students and faculty to do their projects in sustainable technologies.Mrs. Varalaksmi Bogale, Expert of Indian Green Building Council(IGBC) has explained the green building concepts and also the procedure to become Accredited Professional of IGBC.After lunch,there was visit to Indian School of Business (ISB), a platinum rated Green Building under category of Educational Institutions.Dr.V.V.Rao , Group Director , Water Resources , National Remote Sensing Centre (NRSC) has explained the "Role of Spatial Technologies in Sustainable Development".Er.V.V. Krishna Reddy,Chief

| | |
|---|--|
| | <p>Consultant ,M/s Continental Designers, Hyd.has delivered a talk on " Sustainable Construction Technologies".Er.G.K.Anand , former Chief Engineer, PARK DAVIS & Member , Energy Conservation Mission , Institution of Engineers (India), Telangana Centre,Hyd has explained the significance of Energy Audit and the procedure to become Energy Managers/ Energy Auditors by passing the exam.of Bureau of Energy Efficiency, Govt.of India.Emeritus Professor M.Venkata Reddy , Yoga Therapist & Former Director , Govt.Vemana Yoga Research Institute , Hyd.has talked on " Daily Eye Care and Health Care in Cyber Age with Yoga Therapy".Firstly, he has explained the occupational health hazards of Computer Profession like Electro- Stress , Computer Vision Syndrome , Repetitive Stress injuries and Internet Addiction Disorder etc.Naadisidhana pranayama is very useful by balancing the left nostril and right nostril breathing that finally result in balanced functioning of left brain and right brain.Usually left / right brain dominance causes mind of selective perception.Some Yogasanas including Shavaasana suggested,cause reduction of nervous tension by balanced use of sympathetic (used in emergencies) and parasympathetic nervous system (used in relaxed conditions).He has asked to keep cell phones far away during sleeping to prevent illeffects of electromagnetic radiation(For proceedings of STEPS-2018 please visit www.ce.griet.ac.in)-Dr.Mohd.Hussain,Convenor, STEPS-2018.</p> |
| <p>POs attained with this Event (number and description)</p> | <p>b) Analyse problem and interpret the data.</p> <p>c) Design a system component, or process to meet desired needs in Civil Engineering within realistic constraints.</p> <p>d) Identify, formulate, analyse and interpret data to solve Civil Engineering problems.</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>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 (Hard copy and Soft copy)</p> |  |



Signature of Coordinator

Signature of HOD



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). | | |
| | Institutional Body | | | |
| 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 | | |

| | No. of Faculty | No. of UG students | No. of PG Students | No. of outside participants | Total Participants |
|---|----------------|--------------------|--------------------|-----------------------------|--------------------|
| Participants (Teaching Faculty / Non-Teaching Faculty / Students) | 19 | 3 | 18 | | 40 |

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.

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.

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.

Summary of the Event

Internal Revenue Generation IRG : Rs.12000/- (Rupees Twelve Thousand Only)

Expenditure
Ninety only)

Rs. 48490/- (Rupees Forty Eighty Thousand Four Hundred and

**POs attained with this
Event**
(number and description)

- 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)



Topics of Workshop

1. My reflection journey of discovery of Innovative Am Machines - Sri Ch.Mallikarjun, Professor emeritus in 2017 for his invention of the Invention Am Machines that reduced the efforts required by weavers in Pochampally.
2. Role of Pallisarjuna , a prominent Voluntary Organisation (VO) in Rural Innovation- Sri J. Srikanth Vice President, Pallisarjuna, 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 & Visiting 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)? - 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 Division, 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 Yashwantrao Chavan Research Institute, Hyderabad.
8. Field Visit to Indian National Centre for Green Information Services (INCOIS), Hyderabad

Organizing Committee

Chief Patron : Dr.Jayalalitha K. Murthy, Director, GRIET

: Sri. M.G. Sekharan, Chief/Administrator, GRIET

: Dr. K.V.S. Raja, Sr. Administrative Officer, GRIET

Patron : Dr. J. Praveen, Principal, GRIET

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

Co-Covener : Dr. Y. Mallikarjuna Reddy, Professor & HOD, GRIET.

Coordinators

Mr. Y. Kamala Raja - Assistant Professor, GRIET

Ms. I. Chandana - Assistant Professor, GRIET

Ms. G. Swathi - Assistant Professor, GRIET

Ms. P. Manithra - Assistant Professor, GRIET.

Address for Communication

Dr. Mohammed Hussain, Professor
Covener
STEPS 2019
Department of Civil Engineering
Gokulraj Ranganatha Institute of Engineering and Technology (GRIET), Bachupally, Hyderabad - 500 096.
Email: whps2011@griet.ac.in
(08) 7207944448/7207734441

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 rooms will be reserved on prior intimation.

Registration fee

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

7th 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 (CWRAM)

Gokulraj Ranganatha
Institute of Engineering and Technology
(Autonomous)
Bachupally, Hyderabad-500096
Website: www.griet.ac.in

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

GRIET

Gokulraj Ranganatha Institute of Engineering and Technology (GRIET) is a premier institute of engineering established in the year 1977 under the patronage of the Gokulraj Ranganatha Charitable Society. The college is approved by AICTE and is affiliated to JNTU. It is 100% autonomous Institute. The relation of GRIET is to address and impart quality education with an emphasis on practical, ethical and social reforms. The college is NBA accredited for all B.Tech programmes: LA, CE, ME, CIL, IT, ECE and BBA & BSW. All programmes The Institute is accredited by AACSB with B grade. The college was recipient of ISO-9001 grant from World Bank. GRIET is ISO registered Institute with ISO 9001 rank of 179 in Engineering Category. GRIET is accredited by The Council for Quality Assurance (CQA).

Department of Civil Engineering

The Department of Civil Engineering is established in the year 2006. The present intake is 150 students. It is a first growing discipline in line with the industry growth. The department has well equipped laboratories with an emphasis on practical skills and social reforms. The Department has experienced and well talented faculty which include eight doctorates. The Dept. is offering PG courses in M.Tech Structural Engineering and M.Phil in Civil Engineering.

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

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.

Inner non-verbal meaning of STEPS - 2019 logo

The logo contains the letters of Globe, Water (in upper part) and bottom circle and drop. The drop represents water drop, oil drop, energy and last emphasizing the importance of global conservation of water, oil, energy and environment respectively. The logo contains the explicit text to 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 achieving these goals. They also represent World Bank's Index of every country being published annually by United Nations Sustainable Development Solutions Network. India has ranked 148 out of 191 countries in World Bank Index in 2015, 100,000 Indians lost their lives in the year.

India has signed the Paris Climate Change Agreement on 15 October 2015 (Paris Climate Summit). India has submitted its NDC (Nationally Determined Contribution) to the UN Climate Change Conference (United Nations Framework Convention on Climate Change) (www.unfccc.int/india/india_nca.html). India has pledged to reduce greenhouse gas emissions (relative intensity of Greenhouse Gas Emissions) by 35 to 40 percent by 2030 from 2005 level (reference year).

Objectives: In the present civilization, "sustainability" and "Quality Enhancement" are increasingly becoming key words, political, scientific and engineering terms. Both in the areas of education (for knowledge) is an inherent and inalienable wholesome and comprehensive to enhance needs from ancient to present. Both in also the expansion of consciousness (Eminent Persons), Perspective expands with individual self-consciousness (self-empowerment) and right leads oriented three dimensional observation, creative imagination and visualization across the spectrum of consciousness.

Researcher of various self awareness practices the job function of conference consists of facilitated feedback from all people and all events & activities representative self-fulfillment from ancient to present (SRIAN/STEPS-19).

Health is a state of complete physical, mental and social well-being, and not merely absence of disease or infirmity. Public health is the art and science of promoting physical, psychological and preventing 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; preventing accidents and injury to workers and the adaptation of work to people and people to their jobs (World Health Organization).

In this context, the present national workshop with a final 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 encompasses a sustainable means regular care of the water, this workshop invites all those individuals who 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: _____

Middle No. : _____

Organization: _____

Land No: _____

Qualification : _____

Department: _____

Instruction: The Information furnished above is true to the best of my knowledge. I agree to abide by the rules governing the seminar.

Date: _____

Signature of the applicant

Received/Approved by: _____

Signature and Seal of Principal/Institute

Date: _____

Place: _____

(Please enclose the registration fees as per details)

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. Srikar 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. Rajanikant; 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.

CM
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THE HINDU

DATOD

30/12/2019



GRIET/6C/G/20-21

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) | Webinar | | |
| Title / Theme of the Event | Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2020) | | |
| Details of the Coordinator & Designation | Dr. Mohammed Hussain, Professor of Civil Engineering | | |
| Event Dates/Days | From | To | No. of Days |
| | 20 Dec.2020 | 20 Dec.2020 | 1 |
| Details of the Speaker / Guest Organization Address: | 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 | | | | |
| Participants (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 |
| Faculty Names & Designation | <p>Timestamp Name of the Participant Designation Department Organization Qualification</p> <p>12/14/2020 21:00:21 Maganoor Manaswini Student Civil engineering Gokaraju Rangaraju Institute of engineering and technology B.tech</p> <p>12/14/2020 21:05:08 Rathod Ravinder Assistant Professor Civil engineering GRIET M. TECH</p> <p>12/14/2020 21:13:30 Amirneni Anusha Student Civil Gokaraju Rangaraju Institute of Engineering and Technology B Tech 3rd year</p> <p>12/14/2020 21:21:55 G Govardhan Suryapet Civil Engineering Griet Student UG</p> <p>12/14/2020 21:25:29 AKULA PRAKASH Assistant Professor Civil Engineering GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY M.E</p> <p>12/14/2020 21:45:04 Dr. K. VENKATESWAR READssDt.Y Professor Center for biotechnology IST JNTUH Ph. D</p> <p>12/14/2020 23:51:33 BATCHU RAMANJANEYUALsUsistant professor Civil Engineering CVR COLLEGE OF ENGINEERING M.Tech</p> <p>2/15/2020 7:35:43 MALOTH RAJITHA Assistant Professor Civil Engineering JNTUH College of Engineering manthani M.tech</p> <p>12/15/2020 11:16:14 Manvitha Student Civil engineering Gokaraju Rangaraju institute of engineering and technology Student</p> <p>12/15/2020 15:17:33 Dr. Suhas P. Wani Former Director, ResearchA Psriao gPrraomg rAamsia, ICRISAT, VFoCrumrreernlyt lyIC IRntllS. CATonsultant, ADB, Manila M. Sc. (Agri), Ph. D.</p> <p>12/15/2020 15:59:10 ARVIND PRAKASH NAYASKr . Manager Civil Tata Steel Limited Bachelor of Engineering Civil</p> <p>12/15/2020 16:01:06 CHIRANJEEVI TADI Assistant Professor Civil Engineering BAPATLA ENGINEERING COLLEGE M.Tech</p> <p>12/15/2020 16:03:22 REVANTH MAMIDALA PG Scholar Water Resources EngineeOrinsgmania University M.E.</p> <p>12/15/2020 16:07:42 Dr.V. Sundaresan PROFESSOR AND HOD BUSINESS MANAGEMENATristotle Educational Society M.A. MBA, PHIL. LL.M. PH.D.</p> <p>12/15/2020 16:09:28 G.Alekhyia Assistant professor Civil engineering ACE engineering college Mtech</p> <p>12/15/2020 16:09:49 Dr. N. C. Balaji Associate Professor Civil Engineering The National Institute of Engineering PhD</p> <p>2/15/2020 16:10:56 Nikitha Anand V Assistant Professor Civil Engineering The National Institute of Engineering, Mysore Mtech in Structural Engineering</p> <p>12/15/2020 16:12:09 Dr.Goli Shravan Kumar Associate ProfessorCivil Civil Engineering Vasavi College of Engineering Ph.D</p> <p>12/15/2020 16:13:29 Bandu Abhinav Raj Student Civil Griet B. Tech</p> <p>12/15/2020 16:22:21 Mr. Syed Saifuddin Assistant Professor Civil Engineering Muffakham Jah College of Engineering and Technology M.Tech</p> <p>12/15/2020 16:56:20 Dhiraj Dipak Ahiwale Assistant Professor Civil Engineering Vidya Pratishtans Kamalnayan Bajaj Institute of Engineering and Technology Baramati M. Tech Structure PhD (Pursuing)</p> | | | | |

12/15/2020 17:11:50 V shiva Chandra Assistant Professor Civil MVSR Engineering College M tech

12/15/2020 17:55:41 Syed Kaleem Afrough Zaid Associate Professor Civil Engineering Section Aligarh Muslim University Aligarh PhD

12/15/2020 17:56:02 G.Alekhyia Assistant professor Civil engineering ACE engineering college Mtech

12/15/2020 18:29:29 S.Swathi Assistant professor Civil Engineering MVSR Engineering college M.tech (Structural Engineering)

12/15/2020 23:02:30 BOLLAVARAM MADANNA Project manager Structural engineering DEC INFRASTRUCTURE M.tech

12/15/2020 23:15:59 Dr. G. Yedukondalu Professor of CSE Computer Science and EnVgiingenearnin Iginstitute of Technology and Science, Hyderabad M. Tech, Ph. D

12/15/2020 23:55:03 Sachin Maskey Sr Engineer Water and wastewater WRC Pty Ltd M tech Environmental Engineering

12/16/2020 7:26:06 Dr. R. Sandhya Rani Associate Professor Civil Engineering MVSR Engineering College Ph.D

12/16/2020 9:18:45 POUSIA S Assistant Professor ECE Bannari Amman Institute of Technology, Sathyamangalam M.E

12/16/2020 10:04:29 V.P Vijaya Lakshmi Asst. Professor Civil Engibeering M.V.S.R Engineering College M.Tech Structures

12/16/2020 10:35:18 Brahmadevara bhavitha Btech 3rd year Civil engineering Gokaraju rangaraju institute of engineering and technology Btech 3rd year

12/16/2020 15:41:12 Y Kamala Raju Assistant Professor Civil Engineering Gokaraju Rangaraju institute of Engineering and Technology M Tech

12/17/2020 12:19:30 Dr. Qamar Sultana Associate Professor Civil Engineering Muffakham Jah college of Engineering and Technology Ph.D.

12/17/2020 18:45:14 Bharath Student EEE GRIET B.tech

12/17/2020 18:46:52 MOHAMMED MUSHARRAE Engineering 2nd year EEE GRIET Diploma

12/17/2020 18:53:36 B UDAY KUMAR Student EEE GRIET B.tech

12/17/2020 19:04:17 Inchure Mahesh Student EEE GRIET B.Tech

12/17/2020 19:09:42 Praneeth Parimala Student Electrical and Electronics EGnogkinaeraejruin Rganganaraju Institute of Engineering and Technology

12/17/2020 19:11:15 Abhijit Padhy Student Electrical and electronics eGnogkinaerearjuin Rganganaraju Institute of Engineering and Technology, Hyderabad I btech

12/17/2020 19:11:30 Rishi Sundara Student Electrical and electronics eGnogkinaerearjuin Rganganaraju Institute of Engineering and Technology Btech 2nd year

12/17/2020 19:21:11 Tarun Student EEE Gokaraju rangaraju institute of technology Btech (bachelor's)

12/17/2020 19:29:40 Thirunagaru Deekshith BTECH student EEE GRIET BTECH

12/17/2020 19:35:06 Vakkalanka Satya Sreyas Student EEE Gokaraju Rangaraju Institute of engineering and technology B Tech 2 yr

12/17/2020 20:23:57 Dr D S NAGA MALLESWAARsAso RcAiaOte Professor EEE Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad Ph.D

12/17/2020 20:31:31 Kaushal J Student Mechanical Engineering Gokaraju Rangaraju Institute of Engineering and Technology B.Tech

12/17/2020 20:31:50 Paladi Sai Harsha Vardhan Student Mechanical G. R. I. E. T B. Tech

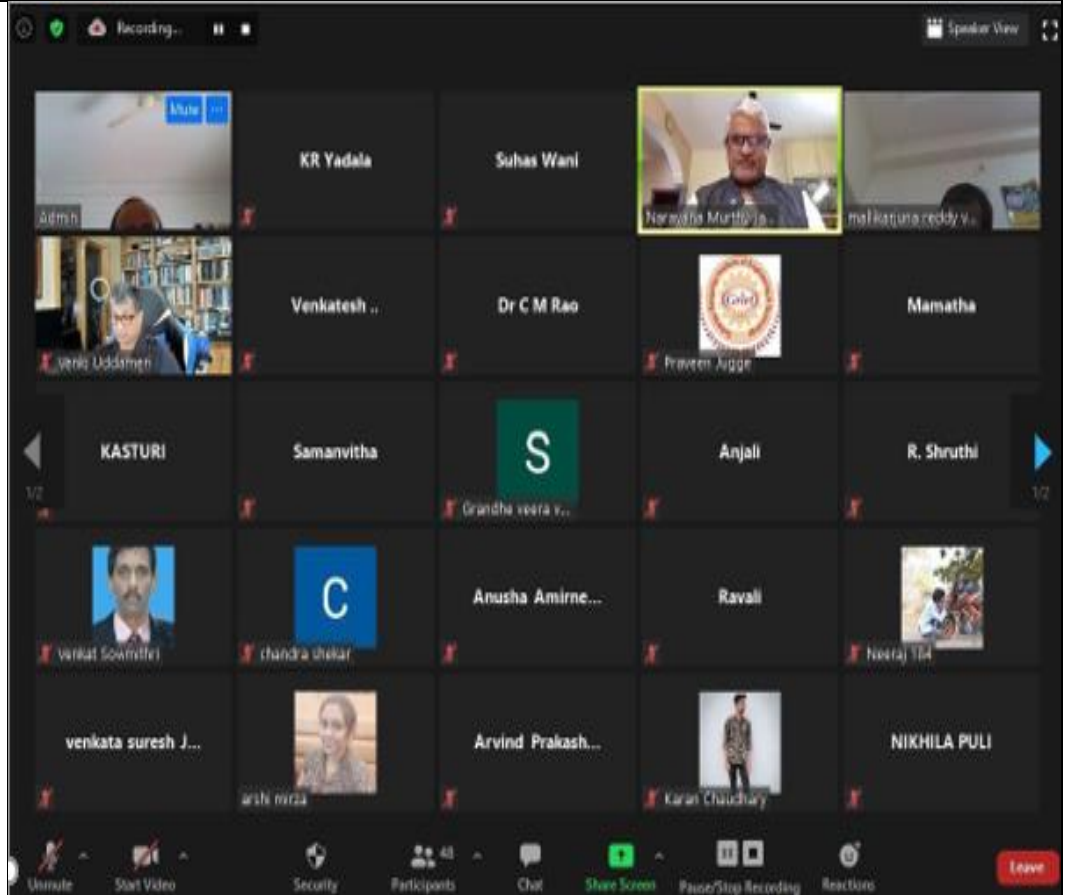
12/17/2020 20:32:25 md mahaboob pasha Student Mechanical gokaraju rangaraju

| | |
|------------------------------------|--|
| | <p>institute of engineering and technology Btech 12/17/2020 20:33:05 Mallikanti Mahesh Bachelor of technology Mechanical engineering GOKARAJU RANGARAJU ISNTITUTE OF ENGINEERING AND TECHNOLOGY BTech final year 12/17/2020 20:33:29 venkata suresh Javvadi Assistant professor Mechanical Gokaraju Rangaraju Institute of Engineering and Technology M.Tech 12/17/2020 20:33:39 SARDAR HARSHIT SINGH Student MECHANICAL ENGINEERING RIET 3rd Year 12/17/2020 20:33:45 Begudem srinath Government job Mechanical Any government organisations Btech 12/17/2020 20:34:03 K. Sai Sudeep Student Mechanical Gokaraju Rangaraju Institute of Engineering Btech 12/17/2020 20:35:09 Raghavendra btech Mechanical Gokaraju rangaraju Institute of engineering and technology Btech 12/17/2020 20:35:27 Gattu.UdayShankar Student Mechanical Gokaraju Ranharaju institute of Engineering and Technology B.tech 12/17/2020 20:39:04 Kamoji Akshay Khanna . Mechanical engineering Gokaraju Rangaraju Institute of Engineering and Technology B.Tech 12/17/2020 20:54:22 k.Nikhila b.tech mechanical gokaraju rangaraju institute of engineering and technology b.tech IV year 12/17/2020 20:55:27 D. Suguna Kumari Assistant professor CSE Gokaraju Rangaraju Institute of Engineering and Technology M.Tech 12/17/2020 20:57:48 Kalluri Madhuri Student Mechanical Engineering Gokaraju rangaraju institute of engineering and technology Btech 12/17/2020 20:59:53 Srigriri Sai Tejaswini Student Mechanical Engineering Gokaraju Rangaraju Institute of Engineering and Technology Btech 12/17/2020 21:08:13 Abhijit Padhy Student Electrical and electronics eGnogkinaerearjuin Rganganaraju Institute of Engineering and Technology Hyderabad I btech 2/17/2020 21:08:58 Niharika Patlolla Student EEE Gokaraju Rangaraju institute of engineering and technology Btech 3rd year(persuing) 12/17/2020 21:11:23 B. Srikanth EEE EEE GRIET Diploma</p> |
| <p>Summary of the Event</p> | <p>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 (http://sustainabledevelopment.un.org)</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 (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. 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 & 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>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>Nil</p> |
| <p>Expenditure (in rupees)</p> <p>(Enclose proof-bills)</p> | <p>26500.00</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> |

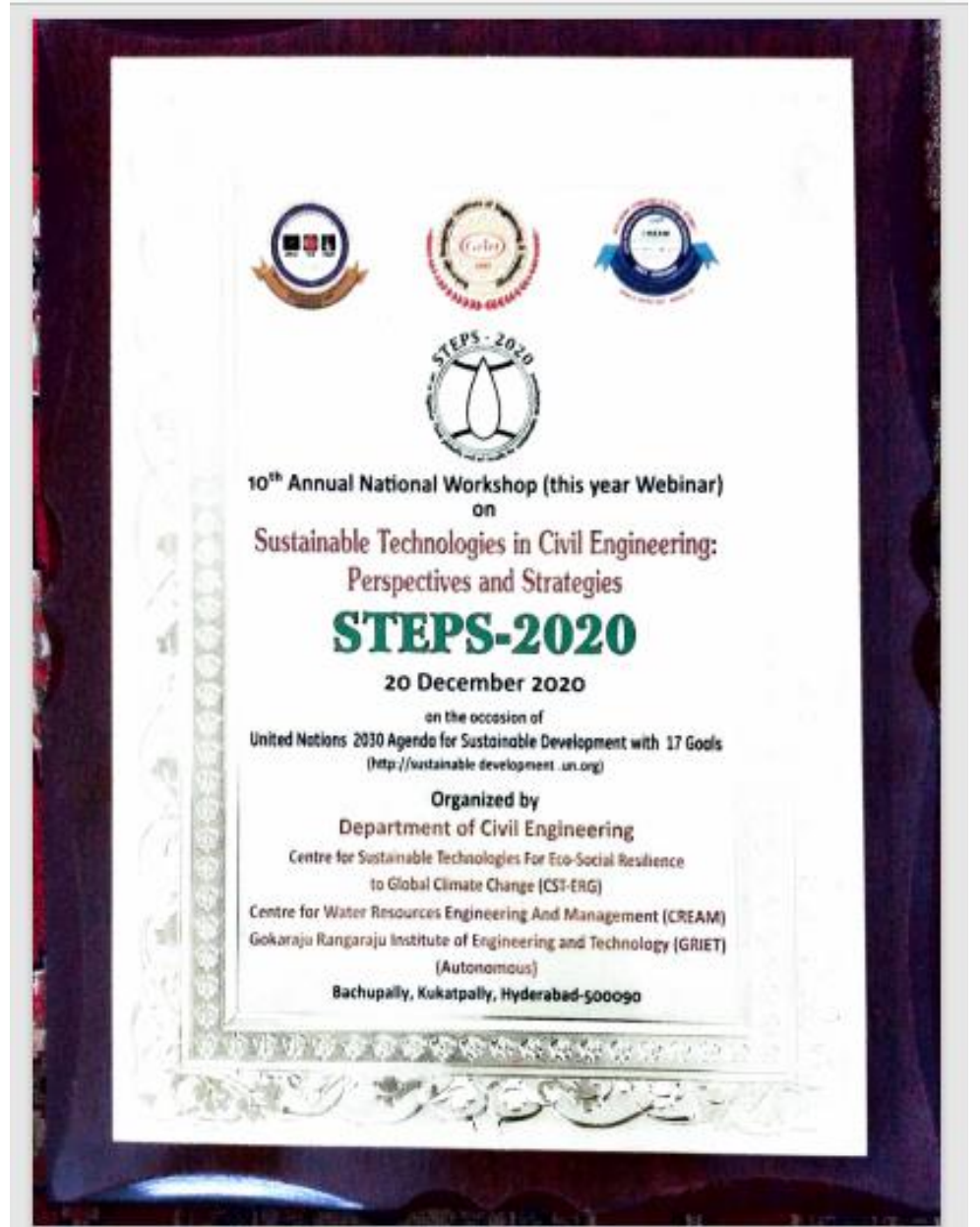
k. Demonstrate the management principles in Civil Engineering projects.
l. Recognize the need for and an ability to engage in life-long learning

Photographs of the event
(Hard copy and Soft copy)




Proofs:

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



MEMENTO OF STEPS-2020

RESUME



Prof. K. GANESH BABU
 Former Director, Central Building Research Institute, CSR, Roorkh,
 Professor, Indian Institute of Technology Madras, Chennai.

902, Palamodikkadu, Bangalore suburb, Hyderabad - 500075
 Tel : 91755 12966, e-mail : kgbabu@iitmadras.com

| | | | |
|------------------------|------------------------|---------------------------|----------|
| ACADEMIC | B.Tech. I.I.T., Madras | CEB - Structures | 1974-76 |
| M.Tech. I.I.T., Madras | Civil - Structures | 1966-70, First Class | |
| M.E. (C&E) Anna Univ., | Civil Engineering | 1965-69, Conv. First Rank | |
| ACH Fellow | ICRISAT, Andhra | Hyderabad | 1981-83. |

| | | |
|-------------------|---------------------------------|--|
| EMPLOYMENT | PROFESSOR | MBEAC, Hyderabad |
| 2014 - present | POST DOCTORAL FELLOW | CEB, Hyderabad |
| 1988 - 2014 | PROFESSOR | Dept. of Civ. Engrg., IIT, Chennai. |
| 2007 - 2007 | DEPUTY CHIEF | Central Building Research Institute, Roorkh. |
| 1993 | (Fritz-Lorenz Fellow) | Roorkh, India |
| 1993-82 | (Alexander von Humboldt Fellow) | Roorkh, India, Germany. |
| 1979-80 | Scientist | Structural Engrg. Research Centre, Chennai. |

(Visiting scholar in USA, U.K., Holland, Mexico, Malaysia, Thailand, Singapore)

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).



GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY
(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-2020

CERTIFICATE OF PARTICIPATION

This is to certify that Mr./Ms. **Y Kamala Raju** from **Gokaraju Rangaraju Institute of Engineering and Technology** has participated in one day National Webinar on **Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS – 2020)** on 20 December 2020.

Dr. V. Mallikarjuna Reddy
Co-Convenor, Prof. & Head, Civil Engg

Dr. Mohammed Hussain
Convenor, Professor, Civil Engg

Dr. J. Praveen
Principal, GRIET

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| <p>Topics of Workshop</p> <ol style="list-style-type: none"> "My journey of discovery of Innovative Bio Matrix", Sri Ch.M. Arslan, Professor emeritus at IIT for his invention of the Labyrinth Bio Matrix. He received the ethics award by members in Pakistan. "Role of Philosophy, TD in Rural Innovations" S. S. Sankar, Vice President, Fisheries, TD working on Grass Root Innovation. Seventeen sustainable development goals of United Nations to be achieved by 2030: Action planning and implementation for Civil Engineers. Dr. Mohd. Hussain Professor & Director, Coordinator, Centre for Sustainable Technologies for Eco-Social Resilience to Global Climate Change (CST-ERG), GRIET. How do we become Accredited Professionals of Indian Green Building Council (IGBC)? Experts from Indian Green Building Council (IGBC). 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), Energy Services, Hyderabad. Role of Social Technologies in Sustainable Development - Dr. V. Ravi Group Director, Water Resources, National Remote Sensing Centre, Hyderabad. Daily Use Care and Health Care in Cyber age with Yoga, Therapy - Executive Professor, Mahabala Reddy, Yoga Therapy and Reformer Director, Government Venkateswara Yoga Research Institute, Hyderabad. Field Visit to Indian Green Building for Green <p>Organizing Committee</p> <p>Chief Patron - Dr. Jeyarajulu N. Murthy, Director, GRIET - Sr. VC, SRIKalahasti Chief Executive Officer, GRIET - Dr. KVJ Rao, 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.</p> <p>Coordinators Mr. Y. Kamala Raju - Assistant Professor, GRIET Ms. L. Chandana - Assistant Professor, GRIET Ms. G. Swetha - Assistant Professor, GRIET Ms. P. Swetha - Assistant Professor, GRIET.</p> <p>Address for Communication Dr. Mohammed Hussain, Professor Convenor STEPS-2020 Department of Civil Engineering Gokaraju Rangaraju Institute of Engineering and Technology (GRIET), Bellary Road, Hyderabad - 500 099. Email: mhr@griet.ac.in Phone: 9909791109, 9909791444 (9849734444, 720771444)</p> <p>Boarding & Lodging</p> <p>All the participants of the seminar will be provided with working lunch. The boarding and lodging in local hotels will have to be borne by the participants. However, the hotel rooms will be reserved for participants.</p> <p>Registration fee There is no registration fee.</p> | <p>10th Annual National Workshop (Webinar) on Sustainable Technologies in Civil Engineering: Perspectives and Strategies STEPS-2020 20 December 2020</p> <p>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) Bellary Road, Hyderabad, 500099 Website: www.griet.ac.in</p> | <p>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 U.G. autonomous institute. The mission of GRIET is to achieve and impart quality education with an emphasis on practical skills and social awareness. Through its infrastructure on arts, sports, and cultural activities, GRIET is committed to holistic development of its students. The college is recognized by UGC (Group 1) from the State Bank, GRIET is ISO recognized institute with ISO 9001:2015 certification in Engineering Category.</p> <p>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 our school's infrastructure growth. The department has well equipped laboratories with an emphasis on practical skills and social relevance. The department has experienced and well-qualified faculty which includes seven doctorates. The Dept. offers B.Tech in Civil Engineering with specialization in Structural Engineering with 100% UG students.</p> <p>Centre for Sustainable Technologies for Eco Social Resilience to Global Climate Change (ST-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.</p> <p>Water conservation training of STEPS-2020 Mega The topic contains the Rainwater Harvesting, Rain Water Harvesting (before and after) and Drop. This represents water drop of drop, Rainwater Harvesting, emphasizing the importance of global conservation of water, oil, energy and environment respectively. The topic contains the Rainwater Harvesting (before and after) and Drop. This represents water drop of drop, Rainwater Harvesting, emphasizing the importance of global conservation of water, oil, energy and environment respectively. The topic contains the Rainwater Harvesting (before and after) and Drop. This represents water drop of drop, Rainwater Harvesting, emphasizing the importance of global conservation of water, oil, energy and environment respectively.</p> <p>About the workshop (webinar) United Nations sustainable development agenda was adopted during 25-27, September 2015 as an outcome 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).</p> | <p>Sustainable Technologies in civil engineering play a major role in attaining these goals. They also improve World Happiness Index of our country, being published annually by United Nations Sustainable Development Solutions Network. India has ranked 149 out of 155 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 (Paris Climate Agreement). India has submitted to UNFCCC (United Nations Framework Convention on Climate Change) (Intergovernmental Panel on Climate Change) (IPCC) its Intended Nationally Determined Contributions (INDCs) in 2015. India has promised to reduce Greenhouse Gas Emissions (GHGs) intensity of Gross Domestic Product (GDP) by 33 to 35 percent by 2030 from 2005 level (reference).</p> <p>Objectives: In the present millennium, "Sustainability" and "Healthy Environment" are increasingly becoming key social, political, scientific and engineering objectives. Health is the state of being fit (well-being) and an individual and individual well-being and comprehensive in continuous mode from moment to moment. Health is also the expansion of consciousness ("larger awareness"). Perspective expansion with right brain oriented three dimensional creative imagination and visualization causes the expansion of consciousness.</p> <p>Health is a state of being fit (well-being) and an individual and individual well-being and comprehensive in continuous mode from moment to moment. Health is also the expansion of consciousness ("larger awareness"). Perspective expansion with right brain oriented three dimensional creative imagination and visualization causes the expansion of consciousness.</p> <p>Health is a state of being fit (well-being) and an individual and individual well-being and comprehensive in continuous mode from moment to moment. Health is also the expansion of consciousness ("larger awareness"). Perspective expansion with right brain oriented three dimensional creative imagination and visualization causes the expansion of consciousness.</p> <p>Public Health is a branch of science of preventing disease, prolonging life and promoting health through the organized community effort. Occupational Health is the protection and maintenance of the highest degree of physical, mental and social well being of workers on all occupations by preventing departure from health, controlling risks and the adaptation of work to people and people to their jobs. (WHO)</p> <p>In this context, the present national (webinar) with a local theme on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies (STEPS-2020)" 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. Beyond mere of the words, this workshop invites all those involved in this endeavor to attend for technical enrichment.</p> | <p>Application Form National Workshop (Webinar) on "Sustainable Technologies in Civil Engineering: Perspectives and Strategies" STEPS-2020 20 December 2020</p> <p>Applicant's Details</p> <p>Name: _____ 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 seminar. Place: _____ Date: _____ Signature of the applicant: _____ Forwarded / Sponsored by: _____ Signature and Seal of Principal/ Institute: _____ Date: _____ Place: _____ (Photocopies of the registration forms are permitted)</p> |
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+ Webinar on UN 2030 agenda for sustainable development

SPECIAL CORRESPONDENT
HYDERABAD

A webinar 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 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).

Director of Water Resources Centre, Texas Tech University, USA, Dr. Venkatesh Uddameri delivered the keynote address on "Action Plans and Implementation Strategies to meet sustainable development Goal 6 of United Nations on Sustainable Water and Sanitation".

Former Director, ICRI-SAT Development Centre, Dr. Suhas P. Wani spoke 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.

Signature of Coordinator

Signature of HOD