New Horizon College of Engineering

Department of Mechanical Engineering

SHORT TERM TRAINING PROGRAMME (STTP)

On

"HYBRID RENEWABLE ENERGY SYSTEMS AND WASTE TO ENERGY – THE CHALLENGES AND SUSTAINABLE DEVELOPMENT"

28th December 2020 - 02nd January 2021

Sponsored by AICTE, New Delhi

Registration Form

Name:

Designation:

Organization:

Address:

Pin:

Mobile no:

Email:

Accommodation required: Yes/No

Payment Details:

DDNo/ChequeNo:Dated: **Rs: 500/- Bank:**

Signature (Participant)

Signature&Seal Head of the Department

Chief Patron

Dr. Mohan Manghnani

Chairman - NHEI, Bengaluru

Patron

Dr. Manjunatha

Principal - NHCE, Bengaluru

Advisory Committee

Dr. K. GopalaKrishnan

Prof. Dean, Research and Development - NHCE

Prof. GurucharanSingh

Executive Director, T&P, NHEI

Program Co-ordinator

Dr. M S Ganesha Prasad

Dean, Prof. & Head-Mechanical Engineering

Co Co-ordinators

Dr.K.Gopal

Associate Professor. ME - 9940936669

Prof. Manjesh B C

Sr. Asst. Professor, Alumni officer. ME - 9739699968

Organising Committee

Dr. Srinath M K, Associate Professor
Dr.Nagendra J , Sr. Asst. Professor
Prof. Chetan Kumar D S, Sr. Asst. Professor
Prof. Ravikumar M, Sr. Asst. Professor
Prof. Santhosh A N, Sr. Asst. Professor
Prof. Puneeth H.V, Asst. Professor
Prof. Bopanna K.D, Asst. Professor
Prof. Karthik S.N, Asst. Professor
Prof. Pavan Prabhakar, Asst. Professor
Prof. MeghaShukla, Asst. Professor

NEW HORIZON COLLEGE OF ENGINEERING

Autonomous College Permanently Affiliated to VTU, Approved by AICTE & UGC
Accredited by NAAC with 'A' Grade, Accredited by NBA
New Horizon Knowledge Park, Ring Road, Bellandur Post, Bengaluru 560 103

Golden Jubilee – YEARS OF EXCELLENCE IN EDUCATION

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AICTE SPONSORED ONE WEEK SHORT TERM TRAINING PROGRAMME

On

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Organized by

Department of Mechanical Engineering

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www.newhorizonindia.edu

About the Institute

New Horizon College of Engineering is an Autonomous college affiliated to Visvesvaraya Technological University (VTU), approved by the All India Council for Technical Education (AICTE) & University Grants Commission (UGC). It is accredited by NAAC with 'A' grade & National Board of Accreditation (NBA). It is one of the top Engineering Colleges in India as per NIRF rankings – 2020 and an ISO 9001:2008 certified Institution. New Horizon college of Engineering is in the heart of the IT capital of India, Bengaluru. The college campus is situated in the IT corridor of Bangalore surrounded by MNCs and IT giants such as Intel, Accenture, Capgemini, ARM, Symphony, Wipro, Nokia, JP Morgan and Cisco to name a few. NHCE has Centre of Excellence with reputed industries like Adobe, HPE, VMware, Schneider Electric, SAP, Quest Global and CISCO.

NHCE has a scenic and serene campus that provides an environment which is conducive for personal and intellectual growth. The infrastructure acts as a facilitator for the effective delivery of the curriculum. NHCE boasts of state of the art facilities for its students. The students are given utmost encouragement in their areas of interest by providing hi-tech facilities backed by faculty support. The institute places highest priority on innovative programs of instructions that include both traditional class room theory and professional skills training. There is a strong impetus on overall personality development of the students with emphasis on soft skills. Students are supported through mentoring and counseling systems. The management offers scholarships to meritorious students. At NHCE, from the moment a student walks into the campus, he/she is well guided to know his/her strengths and choose an area of functional specialization. This enables students to concentrate their efforts and energies to gain the competitive edge. NHCE has an unique distinction of achieving 100% admissions in all its courses year after year.

About the Department:

The department of Mechanical Engineering is accredited by the National Board of Accreditation (NBA). Mechanical Engineering is perhaps the most diverse and versatile of all the engineering disciplines. The department of Mechanical Engineering at NHCE is dedicated towards the advancement of technology and science. Keeping itself up to date with the latest developments and trends in the field and with a dedicated faculty of highly qualified and experienced members in all streams of mechanical engineering, the department consistently strives to provide world class facilities for education and research. The department has received research grants worth about Rupees 1.5 crores from reputed funding agencies both central and State government such as AICTE, DST, VGST, KSCST, and many more. Constant interactive relationship is maintained between the students and staff which enable the students to develop a sound foundation in the stream in a conducive environment. This has reflected in the real time projects from industries, real time case studies from reputed Industrial experts. The department actively focuses on R & D projects such as, green manufacturing, renewable energy, surface engineering, additive manufacturing and many more in the area of advance manufacturing in the field of Mechanical Engineering. The hands-on training offered in laboratories with latest equipment and design software brings in a formal method of familiarizing with the industrial practices, which helps the students to apply their classroom knowledge to live industrial situations. More than 20% of our students proceed to top universities abroad to pursue their higher education. The department has an excellent industrial interaction and contributes to the industry by offering consultancy services.

Overview of the STTP:

Short Term Training Programme (STTP) in the field of technical education will help participants to gain knowledge on hybrid renewable energy with digitization techniques and energy from waste for sustainable development. Due to increase in energy demand and the rapid depletion of conventional fossil fuel resources, the renewable energy has caused great attention today and has to focus on to reduce the waste level in eco system

The Objectives of the STTP:

Faculties members / Research scholars/PhD Students/Participants from Industry are going to be clear about

- To replace fossil fuels to meet the environmentally challenges and to integrate different energy resources.
- To overcome the problems caused by the power demand uncertainties.
- To optimize hybrid system components, enhance efficiency, cyber security, reliability, and profitability of the assets over their lifetime.
- To reduce the waste and reuse into useful energy.
- To attain and ensure the pollution free atmosphere from green energy.

Who Can Apply:

This STTP programme is open to the faculty members and ResearchScholars of AICTE approved colleges, and Industry professionals.The outstation participants are eligible for TA by the shortest route as per AICTE norms up to 3 Tier AC subjected to submission of original travel tickets. The number of participants is limited to 40.

Resource Persons:

Eminent speakers from IISc, IIT, NIT and from NHCE with research experience will share the expertise in the fields of Hybrid-Renewable Energy Systems and Advance energy conversion techniques adopted in the emerging Waste to Energy applications.

Course Content:

- Hybrid-Renewable Energy Systems in Micro grids
- HRES integration and control
- Wind turbine fatigue loads measurement and design.
- Supply and demand side of energy management.
- Waste plastic to energy in Diesel generator.
- Energy from Waste Cooking oil

Registration

The participants can download Registration Form available on the New Horizon College of Engineering Website(http://newhorizonindia.edu/nhengineering/mechanical-engineering) or otherwise can use the registration form available overleaf. All shortlisted candidates are required to confirm their participation by sending a hard copy Registration Form and Demand Draft/Cheque of Rs.500/- in favor of "The Principal, NHCE, Bangalore". The above amount will be refunded to the participant after valedictory function.

Completed registration form should be sent to us through
E-mail: aictesttpmenhce.2020@gmail.com
on or before 24th October, 2020.

OR Fill the online Form using
https://forms.gle/HZ3MgHmtRB3aYFB97

The number of participants will be limited to 40.
The selected applicants will be intimated by E-mail on or before 28th November,2020.

Note: The certificate will be issued to those participants who have attended the program and have qualifiedin the test conducted at the end of theprogram.

Important Dates

Last date for receiving scanned registration form through
e-mail: aictesttpmenhce.2020@gmail.com
is 24th October, 2020. Selected participants will be intimated through Email, on or before 28th November,2020.

Last date for receiving Demand Draft from the confirmed participants through post is 21st December, 2020, to the address of the event co co-ordinators mentioned below

Address for communication

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