

DEPARTMENT OF MECHANICAL ENGINEERING

AICTE Sponsored

SHORT-TERM TRAINING PROGRAM
ON

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

PHASE – III

(Small/Mini/Micro/Pico Hydro Projects)

19th –24th April 2021

Registration Form

Name : _____

Designation : _____

Organization: _____

Address : _____

Pin : _____

Mobile no : _____

Email ID : _____

Signature
(Participant)

Signature & Seal
Head of the Department

NEW HORIZON COLLEGE OF ENGINEERING

New Horizon Knowledge Park,
Ring Road, Bellandur Post, Near Marathalli,
Bangalore-560103, Phone:080-66297777

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NHCE, Bangalore

Co Coordinators

Dr. Ashok Kumar

Associate Professor, ME Dept., NHCE

8587060196

Prof. Ravi Kumar M

Sr. Asst. Professor, ME Dept., NHCE

8123483403

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Presents

A Short-Term Training Program

On

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SYSTEMS AND WASTE TO
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Sponsored By:



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**DEPARTMENT OF
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ABOUT NEW HORIZON COLLEGE OF ENGINEERING

New Horizon College of Engineering (NHCE) 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 – 2018 and an ISO 9001:2008 certified Institution. New Horizon college of Engineering is located in the heart of the IT capital of India, Bangalore. 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, Qwest Global, and CISCO.

NHCE has a scenic and serene campus that provides an environment which is conducive for personal and intellectual growth. 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. NHCE has a 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 the engineering disciplines. 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. This has reflected in the real time projects from industries, real time case studies from experts of reputed industries. Students are involved in R & D projects of the department. The hands-on training offered in laboratories in latest equipment's and design software brings in a formal method of familiarizing with the industrial practices helps the students to apply their class room knowledge to live industrial situations. About 20% of our students proceed to top universities abroad to pursue their higher education.

OVERVIEW OF THE SHORT TERM TRAINING PROGRAM

Short Term Training Program (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/Ph.D 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 program is open to the faculty members and Research Scholars of AICTE approved colleges, and Industry professionals.

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 & Advance energy conversion techniques adopted in the emerging Waste to Energy applications.

COURSE CONTENT:

- Small/Mini/Micro/Pico Hydro power plant -Overview
- CFD of Turbo-machinery
- Small/Mini/Micro/Pico Hydro electrical and mechanical works (Project Installation)
- Small/Mini/Micro/Pico Hydro power plant electrical and mechanical Design.
- Environmental, energetic and economic benefits of Small/Mini/Micro/Pico Hydro power plant.

REGISTRATION

The participants can download Registration Form available on the New Horizon College of Engineering Website(www.newhorizonindia.edu/nhengineering/mechanical-engineering) or can use the registration form available overleaf. All short-listed candidates are required to confirm their participation by sending approved copy of Registration Form to us through **E-mail: aictesttpmenhce.2020@gmail.com** on or before **10th April, 2021.**

OR

Fill the online Form using

<https://forms.gle/j6LqE78k8n8UM8jy8>

The selected applicants will be intimated by E-mail on or before **15th April, 2021.**

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

IMPORTANT DATES

Last date for receiving scanned registration form through e-mail: **aictesttpmenhce.2020@gmail.com** is **10th April, 2021.**

Selected participants will be intimated through Email, on or before **15th April, 2021.**

CONTACT

Dr. Ashok Kumar ,

Associate Professor,

Department of Mechanical Engineering

8587060196

Prof. Ravi Kumar M

Sr. Asst. Professor,

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