

SPONSORSHIP

This is to certify that _____ is a regular employee of our institution and is hereby sponsored for AICTE sponsored National Level One week STTP on "'Present & Future Role of Renewable Energy Sources in Sustainable Rural and Tribal Development' at Hindusthan Institute of Technology, Coimbatore - 641 032. from 02.03.2020 to 07.03.2020. He/She will be permitted to attend the course for the entire duration if selected.

Place :

Date :

Signature of the Principal with Seal

ELIGIBILITY

This course is open to Faculty members and Research scholars of AICTE approved Engineering colleges, Polytechnic Colleges and Practicing Engineers in the Industries.

REGISTRATION DETAILS

The registration is free for faculty members from AICTE approved institutions and Industries The number of participants is limited to 40 and the selection is based on first come - first served basis.

ACCOMMODATION DETAILS

Accommodation will be provided to the outstation participants subject to the availability.

Important Dates

Last Date for Registration : 22.02.2020
Intimation of Acceptance : 25.02.2020

Contact Details

Dr.S.R. Rajabalayanan/Coordinator - AICTE STTP

Ph: 9443924797

Email: hit.mech@hindusthan.net

RESOURCE PERSONS

Experienced faculty from Anna University Chennai, NIT Tiruchirappalli, The Gandhigram Rural Institute - Deemed University, Dindigul and other renowned institutions, experts from industries will deliver lectures and conduct hands on practical sessions.

ORGANIZING COMMITTEE

CHIEF PATRON

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Managing Trustee

Mr.K. Sakthivel

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Secretary & Executive Trustee

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Principal, Hindusthan Institute of Technology

COORDINATOR

Dr.S.R.Rajabalayanan

Professor and Head

Department of Mechanical Engineering

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Dr.S.Sekar

Mr.R.Selvendran

Mr.M.Viswanath

Mr.K.Kalidas

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Mr.R.V.Rangarajan

Mr.K.V.Ganesh Kumar.

Mr.A.Jeevarathinam



AICTE Sponsored

One Week

National Level STTP

On

**'Present & Future Role of
Renewable Energy
Sources in Sustainable Rural and
Tribal Development'**

2nd - 7th March 2020



Organized by

**Department of Mechanical Engineering
Hindusthan Institute of Technology**

Othakkalmandapam, Coimbatore - 641 032.
Tamil Nadu

Hindusthan Centre for Applied Rural Technology (HICART)

ABOUT THE COLLEGE

Hindusthan Institute of Technology (HITECH) was started in the year 2007 by the great industrialist and philanthropist, Thiru.T.S.R.Khannaian. It is an Autonomous Institution. The primary objective of the Hindusthan Institute of Technology is to educate and prepare men and women for leadership in industry, government, and educational institutions; to advance the knowledge base of the engineering professions; and to influence the future directions of engineering education and practice. HITECH believes not only in educating the students, but also grooming characters, with moral and ethical values, thus building the Nation. Since its inception, the college has been providing world-class facilities & infrastructure for high quality education and learning. The emphasis is on transformational leadership rather than directional leadership. The aim is to establish new trends, introduce innovative training methodologies, and thus guide students towards the road to success. The College offers 7 undergraduate and 4 post graduate courses in Engineering and Technology.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering was started in the year 2009. Mechanical Engineering is one of the most creative, broadest and most versatile of the engineering professions. The faculty members are experts in robotics, bio-engineering, microprocessor control, energy conversion, energy management, fluid dynamics, power production, manufacturing, computer-aided design, machine design, and material science and with this experience they help students to develop as transformational leaders. Consultancy works are being carried out through Hindusthan Centre for Engineering Design and Analysis. Project works with respect to Rural areas are carried out through Hindusthan Centre for Applied Rural Technology. Department of Mechanical Engineering is also housing Industry supported laboratories on Energy, Automotive Design and Fabrication and CNC Machining.

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Department of Mechanical Engineering

HINDUSTHAN INSTITUTE OF TECHNOLOGY

(An Autonomous Institution)

Approved by AICTE, New Delhi. Affiliated to Anna University, Chennai

Accredited by NBA, Accredited with 'A' Grade by NAAC

Coimbatore - 641 032. Tamil Nadu

REGISTRATION FORM

Name Dr./Mr./Mrs. :
(in Block letters)

Designation :

Department :

Name of the Institution :

Address :

.....

Mobile :

Email id :

Is the Institution approved by AICTE? (Yes/No)

Accommodation required? (Yes/No)

Declaration by Applicant

The given information is true to the best of my knowledge. I agree to abide by the rules and regulations governing the programme. If selected, I shall attend the workshop for the entire duration.

Place :

Date :

Signature of the Applicant

ABOUT THE PROGRAMME

The development of Renewable Energy Sources is necessary for the sustainable development of any country due to depleting fossil fuel level, climbing fossil fuel prices across the world and more recent pressure for reduction of emission level. In India, several schemes and policies are launched by the government to support the use of Renewable Energy Sources to achieve energy security and self-sufficiency. Experiences have shown that many of the current approaches for promotion of renewable energy is not properly reaching the public. Substantial changes are required in developing innovative technologies as well as popularizing the technologies among local level. The training program aims at exploring basic strategy and approach being followed for the growth of the renewable energy sector and emphasizes provision of energy access to India's rural and tribal areas. The educators in engineering and science stream will be trained and exposed to the policies, methodologies and application of Renewable energy sources for self-sustainable development of rural and tribal people.

COURSE CONTENTS

- ▲ Renewable Energy in India: Progress, Vision and Strategy.
- ▲ Scope of Renewables in the Rural and tribal Context- Solar, Wind, Biomass, geothermal and marine energy.
- ▲ Decentralized Energy Options and Energy Access for domestic use.
- ▲ Design and Dissemination of Improved Cook Stoves
- ▲ Renewable Energy in Rural Markets.
- ▲ Exploration of use of renewable energy in rural health and sanitation.
- ▲ Bio resources and economics.
- ▲ Entrepreneurship opportunities using renewable energy sources.
- ▲ Application of renewable energy sources in conservation of water.
- ▲ Natural Resources Management & Life-cycle analysis of Renewable Energy systems.

DEMONSTRATION

Hands on training in

- ▲ Solar Thermal and SPV design, manufacturing and installation Industries
- ▲ 3.5 kW Portable type loose biomass Gasifier power generation System
- ▲ Wind Mills and Aero Generators
- ▲ Solar Passive Energy assisted green buildings
- ▲ Energy Conservation Management
- ▲ Renewable Energy Parks

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