

About College

Hindustan College of Science and Technology Mathura (HCST) is one of the premier institutions of Sharda Group of Institutions. HCST has eco-friendly lush Green Campus. It's campus is spread in vast area and offers sustainable green energy solutions to environmental, social and economic needs of the mankind. HCST has successfully installed DST, Govt of India supported Low Energy Membrane Desalination / Deflourination plant and Solar power plant to meet the demands of drinking water and renewable energy respectively. It's a Tech-Savvy campus having different undergraduate engineering programs encompassing dedicated students and cutting edge technology trained faculties and staff.

➤ In order to cater to the needs of startups / Entrepreneurship activities in Agra and Mathura region, HCST has following Incubation centres / Hubs supported by State and Central Government Agencies

(a) iB Hubs Incubation Centre supported by Govt of UP, Lucknow

(b) Kalam Centre for Incubation supported by A.K.T.U., Lucknow

(c) MSME Incubation centre supported by Ministry of MSME, Government of India

➤ HCST has fetched National Projects of Importance in the field of Entrepreneurship

(a) PM – Yuva Yojana sponsored by Ministry of Skill Development & Entrepreneurship, Government of India

(b) DST-NIMAT project supported by EDII, Gujarat.

➤ The campus has University supported Nodal Centre for Human Values to train the students and faculty members on Professional Ethics.

➤ In order to foster the research in nanotechnology, the campus is equipped with Shri Anand Swaroop Interdisciplinary Research laboratory inaugurated by Nobel Laureate Prof. Andrew Diego Golombek.

About the Department

The department offers UG in Automobile Engineering. The department has well qualified, dedicated, experienced and trained faculty with deep sense of commitment towards the students and institution. Teaching faculty with proficiency in various subjects motivates students to participate in research activities and skill development programs.

The department has well-equipped labs and software such as AFL lab, APC Lab, IC Engine Lab etc. and SOLID WORKS, ANSYS, CAD etc. for UG programs.

Key Resource Persons

- **Prof. B.D. Gupta**
Former Prof & Head KNIT, Sultanpur
Former Principal, AEC, Agra
- **Prof. S.K Agrawal**
Former Prof, MNNIT, Allahabad
- **Dr. P.S Chauhan**
Principal, IPSCTM, Gwalior
- **Dr. Rahul Swaroop Sharma**
Professor, DEI, Agra
- **Mr. Yogesh Kr. Singh**
Sr. Scientist, NISE, Gurugram
- **Dr. Rajat Agrawal**
IIT, Roorkee
- **Dr. Kalyan Kumar Singh**
IIT, Dhanbad
- **Dr. Vikas Upadhyay**
Professor, NIT, Patna
- **Dr. Milind Sharma**
Professor, MBM Engineering College, Jodhpur

Organizing Committee

Chief Patron(s)

Prof. Vinay Kumar Pathak
VC, APJAKTU, Lucknow

Mr. P.K. Gupta
Chairman, SGI

Mr. Y.K. Gupta
Vice-Chairman, SGI

Patron(s)

Prof. V.K. Sharma
Exec. Director, SGI

Dr. R.K. Upadhyay
Director, HCST

Convener

Mr. Puneet Mangla
HOD, Mechanical Engineering

Coordinator(s)

Dr. Nishant K. Singh
Asst. Prof., ME

Mr. Sumit Panchal
Asst. Prof., Automobile

Co-coordinator

Mr. Hemant Singh Rajput
Asst. Prof, Automobile



One Week

FACULTY DEVELOPMENT PROGRAMME

on

RENEWABLE ENERGY TECHNOLOGIES

June 04 - 09, 2018

Sponsored by

Dr. A.P.J. Abdul Kalam Technical University,
Lucknow, Uttar Pradesh
(Under TEQIP-III)



Building reputation through innovative academic practices

Organized by

Department of Automobile Engineering

HINDUSTAN
COLLEGE OF SCIENCE AND TECHNOLOGY
FARAH, MATHURA

(Affiliated to Dr. A.P.J. Abdul Kalam Technical University,
Lucknow, Uttar Pradesh)

Campus: 26th Km Milestone Agra - Delhi Highway,
Farah, Mathura - 281122 (UP)

Website: www.hcst.edu.in

About FDP

This FDP provides an outline and brief description, including fundamentals, of the different renewable energy technologies, wind, solar, bioenergy, hydro and geothermal energy. It provides a general overview of the technologies and their applications. The use of this technology is less relevant for developing countries as mostly these technologies are still at the prototype stage. While these technologies are not fully proven yet, promising research and development is being conducted. The FDP also reviews the costs of the different technologies and discusses common technical and non-technical barriers and issues limiting the wide spread use/dissemination of renewable energy in developing countries. The information in this FDP is of general interest to explain the basics of renewable energy technologies, to understand their strengths and weaknesses and hence to have a better grasp of the benefits available from, and the barriers faced by, these technologies.

This FDP is aimed to provide an excellent platform for an in-depth discussion and interaction on renewable energy techniques.

Major topics to be covered

- Introduction to Renewable Technologies.
- Solar Energy Technologies.
- Wind Energy Technologies.
- Geothermal Energy.
- MHD Technologies.
- Solar Roof Top Technologies.
- Grid Technologies.
- Energy Storage Devices.
- Future of Energy.
- Industry Expert Lecture.

Who can apply?

All the faculty members from Under Graduate / Post Graduate programmes of AICTE approved technical institutions and affiliated to Dr. A.P.J. Abdul Kalam Technical University, Lucknow

Registration

The participants are requested to register their names by sending the duly filled registration form in the format attached herewith. Send the scanned copy of filled registration form to email given below on or before 25th May 2018.

Email ID: ret.fdp2018@gmail.com

Registration Fee & Certificate

No registration fee for attending the Faculty Development Programme. Participation certificate will be provided to all the participants by the institute.

Travel & Accomodation

Participants will have to make their own arrangements for their travel. Fooding and Lodging facility for outside participants will be arranged in campus on first come first serve basis as per capacity.

Contact for Correspondence

Mr. Sumit Panchal

Assistant Professor

Department of Automobile Engineering
Hindustan College of Science and Technology,
26th Km Milestone, Agra-Delhi Highway,
Farah, Mathura-281122 (U.P.), India

Contact No: +91-9045706466

Email ID: ret.fdp2018@gmail.com

Website: <http://www.hcst.edu.in>



Registration Form FACULTY DEVELOPMENT PROGRAMME on

RENEWABLE ENERGY TECHNOLOGIES

June 04 - 09, 2018

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Dr. A.P.J. Abdul Kalam Technical University,
Lucknow, Uttar Pradesh
(Under TEQIP-III)

1. NAME: _____

(in CAPITAL LETTERS)

2. Designation: _____

3. Organization: _____

4. Correspondence Address: _____

5. Contact No: _____

6. Email ID: _____

Date: __/__/__

Signature (Applicant)

-Bonafide Certificate-

Prof./Dr./Ms./Mr. _____
is a bonafide faculty of our college. He/She is permitted
to attend the Faculty Development Programme on
"Renewable Energy Technologies" during 04-09 June,
2018.

Date: __/__/__

Signature of Director
with seal