

About HBTU, Kanpur

Harcourt Butler Technical University, Kanpur (Formerly HBTI, Kanpur) was established in 1921 and has a glorious history and has always been in the forefront for technological developments and growth of industries in the country since its inception. The Institute had its decent beginning as Government Technological Institute, Uttar Pradesh in 1921 with Dr. E. R. Watson as its first Principal. The Institute was renamed as Harcourt Butler Technological Institute in 1926 in the honor of name of Sir Spencer Harcourt Butler, the then Governor of U. P. Degree courses in Oil Technology and Chemical Engineering were started in 1954 and thereafter number of undergraduate and post graduate courses were started. On March 26, 1965, it was upgraded from a Government Department status to an autonomous Institution. It was upgraded as Harcourt Butler Technical University, Kanpur on September 01, 2016 by Govt. of UP. University spreads across two campuses - East Campus (77 acres) and West Campus (271 acres) situated approximately 3.5 kilometers apart.

About HRD Cell

Harcourt Butler Technical University established Human Resource

Development Cell (HRDC) for smooth conduction of FDP, Training Programme, Seminar, Expert Lecture, Symposium etc.. HRDC is focused on the crucial development of quality ensured delivery of education to continuous knowledge upgradation, capacity building and motivation of teachers for accepting challenges arising from new research and advancement in technology and recent trends of breaking barriers of subject related to engineering, technology and management.

About FDP

Faculty development program (FDP) is a tool for fostering knowledge and professional skills of faculty members in order to improve their performance in education, research and administration as well as augmenting organizational capacities and culture. HRD Cell of Harcourt Butler Technical University, Kanpur is organizing a Faculty Development Programme in Online mode on “**Clean Energy and Manufacturing Technologies**” from **Dec. 30, 2024 to Jan. 04, 2025**. FDP is open for Faculty members working in various Engineering and Science disciplines, Research Scholars focusing on renewable energy, sustainability, and manufacturing processes and Industry professionals who are interested in exploring clean energy solutions by adopting the latest developments in manufacturing Industries. The speakers are joining from different International organizations/Universities/IITs/IIITs,/NITs/Central

/State universities. The beneficiaries of the FDP are expected to adopt the following outcomes:

- ❖ Understand the state-of-the-art clean energy solutions and practical applications through sustainable manufacturing.
- ❖ Understand the role of new technologies in reducing the environmental impact through the complete lifecycle.
- ❖ Be familiar with sustainable energy policies, green manufacturing practices, and future energy and manufacturing integration trends.

Objectives of the FDP

The FDP is envisioned to attain the following objectives:

- ❖ To inculcate a comprehensive understanding of clean energy technologies and their impact on manufacturing industries.
- ❖ To explore renewable energy sources, energy efficiency, and their integration into manufacturing systems.
- ❖ To discuss the role of clean energy in reducing carbon footprints and enhancing sustainability in industrial practices.
- ❖ To introduce participants to cutting-edge research, case studies, and real-world applications of clean energy technologies in manufacturing.

Registration Process

Participation in FDP is free of cost and therefore, **no registration fee** is required to participate in this event. The last date of registration is **28.12.2024**. The registration has to be done using the **Link/QR** Code given below. Pre-registration and joining to WhatsApp group is mandatory to get the Online FDP Google Meet Link.

For Online Registration Click the Link
<https://forms.gle/BEfvowJu5Y6vEEaY9>



For Information Join Below WhatsApp Group
<https://chat.whatsapp.com/GUA0ZKjc1sg2LBe1YEQFQw>

NOTE: On the last day of the programme an assessment test may be conducted for all participants. Certificate of Participation will be provided upon successful completion of assessment test and attending all the sessions.

Organizing Committee

- Patron** : Prof. Prof. Samsher
Hon'ble Vice Chancellor
HBTU, Kanpur
- Convener** : Prof. Sanjiv Kumar
Coordinator HRD Cell
HBTU, Kanpur
- Coordinator** : Dr. Gaurav Saini
Assistant Professor
MED, HBTU Kanpur
- Co-Coordinator** : Dr. Nishant Kumar Singh
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- Dr. Rishi Kant
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Please send your queries to:

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Faculty Development Programme

On

**Futuristic Trends in Clean Energy and
Manufacturing Technologies**

Dec. 30, 2024 – Jan. 04, 2025



Organized by:

**Human Resource Development Cell
(HRDC)**

**Harcourt Butler Technical University
Kanpur (U.P.) – 208002
(Website: www.hbtu.ac.in)**