



HARCOURT BUTLER TECHNICAL UNIVERSITY



विज्ञान एवं
प्रौद्योगिकी मंत्रालय
MINISTRY OF
SCIENCE AND
TECHNOLOGY

सत्यमेव जयते

FACULTY ENTREPRENEURSHIP DEVELOPMENT PROGRAMME (FEDP)

ON

ENTREPRENEURSHIP IN HEALTH INFORMATICS

SPONSORED BY:

**DEPARTMENT OF SCIENCE &
TECHNOLOGY, MINISTRY OF SCIENCE
& TECHNOLOGY, GOVT. OF INDIA, NEW
DELHI**

30 OCTOBER- 10 NOVEMBER, 2025

**FOR PARTICIPATION
NO REGISTRATION FEES**



Program Highlights

- PRACTICAL AND EXPERIENTIAL LEARNING APPROACH
- NETWORKING AND COLLABORATION OPPORTUNITIES
- ENTREPRENEURSHIP & SCHEMES OF ASSISTANCE
- PROJECT SELECTION & ITS PRE-FEASIBILITY
- DEVELOPING SOFT SKILLS & CONSOLIDATION OF BUSINESS IDEAS
- MOTIVATIONAL INPUT FROM SUCCESSFUL INNOVATORS &
- ENTREPRENEURSHIP DEVELOPMENT/ORIENTATION
- BUSINESS PLAN PREPARATION
- MANAGEMENT INPUTS, TRL & DESIGN THINKING
- TECHNICAL TRAINING ON ENTREPRENEURSHIP
- MSME SCHEMES FROM ENTREPRENEURSHIP

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**FOR REGISTRATION
SCAN THE QR CODE
LAST DATE: 20/10/2025**



Eligibility Criteria for Participations

- THE FEDP IS LIMITED TO 25-30 FACULTIES FROM COMPUTER SCIENCE & IT, MEDICAL AND HEALTH SCIENCES, BIOMEDICAL ENGINEERING, SCIENCES, ENGINEERING, AND TECHNOLOGY.
- TEACHERS FROM UNIVERSITY/INSTITUTIONS (AICTE)/ UGC APPROVED
- INDUSTRY PERSON FROM HEALTH INFORMATICS
- PH.D. SCHOLARS INTERESTED IN STARTUPS
- SELECTION BY APPLICATION FORM FIRST-COME-FIRST-SERVED BASIS.

ORGANIZED BY

DEPARTMENT OF CHEMISTRY AND DEPARTMENT OF CHEMICAL ENGINEERING

**VENUE : SEMINAR HALL, CHEMICAL ENGINEERING DEPARTMENT,
HBTU KANPUR**



About HBTU Kanpur

Harcourt Butler Technical University (HBTU), Kanpur, Uttar Pradesh, is a prestigious institution with a rich history of advancing technical education and research in India. Established in 1921, HBTU was initially aimed at supporting the region's burgeoning industrial needs and has since evolved into a full-fledged technical university renowned for its commitment to innovation, research, and excellence in education.

With a sprawling campus in Kanpur, HBTU offers a wide range of undergraduate, postgraduate, and doctoral programs across disciplines such as engineering, chemical technology, computer science, information technology, biotechnology, pharmacy and basic sciences. The university is especially known for its contributions to chemical engineering and technology, having established India's first Department of Chemical Engineering. HBTU's faculty comprises highly experienced professors and researchers dedicated to providing quality education and fostering a culture of scientific inquiry and hands-on learning. The university's research facilities are well-equipped, supporting numerous projects funded by national and international agencies, contributing to advancements in areas like materials science, environmental engineering, and renewable energy. With a strong alumni network and collaborations with industries and research institutions globally, HBTU continues to play a pivotal role in shaping skilled professionals and advancing research, maintaining its reputation as one of India's leading technical universities.



About the Department of Chemistry

The Department of Chemistry at HBTU, Kanpur, is one of the institute's oldest departments, established in 1924. It offers a well-structured and up-to-date curriculum for undergraduate programs and is supported by excellent infrastructure. The department's core objective is to integrate theoretical knowledge with industrial technologies and research-driven activities. Ph.D. scholars are trained in both fundamental and applied research areas to meet global scientific standards and become world-class researchers.

Internationally acknowledged for its high-impact research, the department excels in fields such as polymer science, solar energy conversion and storage, chemical kinetics, bioactive compound synthesis and evaluation, water treatment, coordination chemistry, and spectroscopy. Modern equipment and facilities further strengthen its capability to educate and train students effectively.

The department provides instruction in Physical, Organic, Analytical, and Industrial Chemistry at both undergraduate and doctoral levels. Its research output is comparable to that of leading academic institutions, having successfully completed numerous projects funded by prominent national agencies such as UGC, CSIR, DST, ICAR, AICTE, and UPCST. The dedicated and qualified faculty have published approximately 500 research papers in esteemed national and international journals. Additionally, the department offers testing and consultancy services to industries in Kanpur and surrounding areas to enhance product quality. For nearly nine decades, research and development have remained the department's key strength.



About the Department of Chemical Engineering

H.B.T.U. Kanpur, a pioneer university in the country, was established in the year 2016. Earlier, it was known as H.B.T.I. Kanpur which was established in the year 1920-21 to provide manpower training, technical know-how and applied research support to a large number of chemical and allied industries taking shapes in the country, particularly in its northern zone. For about 35 years, since its inception, HBTI had provided all kind of support to almost all chemical and allied industries so effectively that it was the first choice for any problem of chemical engineering or applied chemistry. A number of reputed technical institutes today, like IIT Kanpur, NSI, GCTI, Leather, Rubber, Glass etc. were either parts of this institute or were started in its building with all types of support and guidance during their earlier periods. Because of the proven expertise of H.B.T.I. in the area of chemical and allied industries, as advised by a visiting committee of AICTE, Chemical Engineering Department was formed and Chemical Engineering Education was formalized in the institute in 1954 with two new courses for awarding undergraduate degrees of AHBTI and FHBTI. Thereafter in 1958, two full-fledged undergraduate courses were started leading to degrees in Chemical Engineering after four years study and in Chemical Technology after three years study. The Chemical Engineering Department was made responsible to teach and guide fundamental principles of Chemical Engineering and their applications to the entire students of Chemical Engineering and Chemical Technology and later on to Leather Technology as well.

The Department has built up a comprehensive research infrastructure with top-notch facilities for carrying cutting-edge teaching and research. Constant efforts are being made to maintain and enhance the high standards of this department to be ranked always as one of the best in India. The Department strives to provide its students with facilities and environment that are conducive for creative and dynamic work. This department has run several research programs in Technology, Engineering and Basic Sciences, of which some were sponsored by institutions like U.G.C, C.S.I.R, D.S.T. (NEW DELHI) B.A.R.C. (BOMBAY) I.C.A.R. (NEW DELHI), U.P.C.S.T (LUCKNOW) M.H.R.D. (NEW DELHI), C.I.D.A (CANADA). The faculty has extensively contributed by writing books and publishing good number of research papers in national and international journals of repute. The department has organized a number of National and International seminars, workshops, and Short courses.



CHIEF PATRON



Prof. Samsher
(Vice Chancellor)
HBTU, Kanpur

PATRON



Mr. Amit Kumar Rathore
(Registrar)
HBTU, Kanpur

CO-PATRONS



Prof. Manoj Kumar
(Dean SoBAS)
HBTU, Kanpur



Prof. G. L. Devnani
(Dean, School of Chemical Technology)
HBTU, Kanpur

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Organising Secretary



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HBTU, Kanpur



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Dr. Pranava Chaudhari
HBTU, Kanpur



Dr. Anjali Awasthi
HBTU, Kanpur



ORGANIZING COMMITTEE

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- **Dr. Gaurav Kumar** (Galgotia University)

Day & Date	Session	Time	Topic	Speaker(s)
Day 1 – Inaugural & Overview (30 Oct)	I	10:00–11:00 AM	Inaugural Function & Welcome Addresses	HOD, VC HBTU, Coordinator
			– Address by HoD	
			– Address by Vice-Chancellor	
			– Address by Chief Guest	
		– Programme Overview		
II	11:30 AM–12:30 PM	Present Scenario of Entrepreneurship in Health Informatics	Dr. Nandita Dasgupta, Scientist, CSIR-IITR Lucknow	
III	2:00–3:00 PM	Role of Digital Health in Public & Private Healthcare Systems	Dr. B. Anjum, SGPPI, Lucknow	
IV	3:15–4:15 PM	Panel Discussion: Digital Health in India – Challenges & Opportunities	Dr. Nandita Dasgupta, Scientist, CSIR-IITR Lucknow	
Day 2 – Health Informatics Fundamentals & Standards (31 Oct)	I	10:00–11:00 AM	Core Concepts: EHR, EMR, HIS, Telemedicine Platforms	PROF. AJAY KUMAR SINGH, HBTU, Kanpur
	II	11:30 AM–12:30 PM	Standards & Interoperability: HL7, FHIR, DICOM	
	III	2:00–3:00 PM	Data Privacy & Security in Healthcare (HIPAA, DISHA, GDPR)	Dr. Sunil Kumar, IIT BHU, Varanasi
	IV	3:15–4:15 PM	Case Study: Large-Scale EHR Deployment in India	
Day 3 – Entrepreneurship in Digital Health (1 Nov)	I	10:00–11:00 AM	MSME Registration for Health-Tech	Mr. L. V. S. Yadav, MSME Director
	II	11:30 AM–12:30 PM	Startup Ecosystem in Health Informatics: Opportunities & Challenges	Dr. Virendra Verma, Associate Professor, RDAS Medical College, Ayodhya
	III	2:00–3:00 PM	Identifying Market Gaps in Healthcare Technology	Dr. Arvind Sinha, IIT Kanpur
	IV	3:15–4:15 PM	Open Discussion: Bridging Technology & Healthcare Delivery	
Day 4 – Technology & Innovation in Health Informatics (2 Nov)	I	10:00–11:00 AM	AI/ML in Diagnostics, Predictive Analytics & Decision Support	DR. VIVEK VERMA, HBTU, Kanpur
	II	11:30 AM–12:30 PM	IoT & Wearables for Patient Monitoring	
	III	2:00–3:00 PM	Cloud & Blockchain for Health Data Management	Dr. Bibhuti Vikramaditya, Director, SmartWay Electronics Pvt. Ltd. Patna
	IV	3:15–4:15 PM	Demo Session: Emerging Health-Tech Platforms	Dr. K. K. Shukla, AIIMS Jodhpur

Day 5 – Motivation & Leadership in Health-Tech (3 Nov)	I	10:00–11:00 AM	Motivation Talk:	Prof. Sanjiv Kumar, HBTU Kanpur
	II	11:30 AM–12:30 PM	Soft Skills for Health-Tech Entrepreneurs	
	III	2:00–3:00 PM	Panel with Young Health-Tech Innovators	Dr. Shashi Mishra, CUJ, Ranchi
	IV	3:15–4:15 PM	Fireside Chat: Early-Stage Challenges in Health-Tech Startups	
Day 6 – Industry Visit (4 Nov)	–	All Day	Physical tour to a factory & experience sharing by successful Entrepreneurs	Coordinated by Mr. Vivek Mishra, CSJMU, Kanpur
Day 7 –Setting Up a Digital Health Enterprise (5 Nov)	I	10:00–11:00 AM	Hands on training on Digital health	Dr. Gaurav Kumar, Galgotias University, Noida; Dr. Santosh Kumar, HBTU Kanpur
	II	11:30 AM–12:30 PM		
	III	2:00–3:00 PM	Hands on training on structure based drug discovery	
	IV	3:15–4:15 PM		
Day 8 – R&D, Incubation & Commercialization (6 Nov)	I	10:00–11:00 AM	Role of R&D Labs in Health-Tech Innovation	Prof. Raghuraj Singh, Dean R&D, HBTU
	II	11:30 AM–12:30 PM	Technology Business Incubators & Startup Hubs	Prof. Jitendra Bhaskar, HBTU
	III	2:00–3:00 PM	Commercialization of Digital Health Solutions	Prof. Sandip Patil, IIT Kanpur
	IV	3:15–4:15 PM	Panel Discussion: From Lab to Market in Health-Tech	
Day 9 – IPR, Branding & Digital Marketing (7 Nov)	I	10:00–11:00 AM	IPR in Digital Health: Patents, Copyright, Data Ownership	Prof. Jitendra Kumar Pandey, Director, Hill Institute, UPES
	II	11:30 AM–12:30 PM	Branding & Positioning for Health-Tech Products	Prof. V. K. YADAV, HBTU, Kanpur
	III	2:00–3:00 PM	Digital Marketing & Telemedicine Outreach	
	IV	3:15–4:15 PM	Workshop: Branding a Health-Tech Startup	

Day 10 – Financial & Operational Management (8 Nov)	I	10:00–11:00 AM	Cost–Benefit Analysis of Health-Tech Solutions	Dr. Suchita Shukla, HBTU
	II	11:30 AM–12:30 PM	Strategic Decision-Making Tools	
	III	2:00–3:00 PM	Healthcare Supply Chain Integration	Akshay Srivastava, CEO
	IV	3:15–4:15 PM	Panel Discussion: Operational Excellence in Health-Tech Ventures	Dr. Pranav Chaudhary, HBTU, Kanpur
Day 11 – Project Planning & Global Opportunities (9 Nov)	I	10:00–11:00 AM	Developing business plan (Project report): Format, content & sequencing	Mr. Sudhanshu Tiwari,
	II	11:30 AM–12:30 PM	International Markets for Indian Health Informatics Solutions	
	III	2:00–3:00 PM	Export Potential of Digital Health Services	Mrs. Anju Verma
	IV	3:15–4:15 PM	Group Work: Drafting a Startup Business Plan	
Day 12 – Communication, Legalities & Valedictory (10 Nov)	I	10:00–11:00 AM	Business Communication & Negotiation Skills	Mrs. Poonam Nigam
	II	11:30 AM–12:30 PM	Legal Aspects in Digital Health Enterprises: Factory Act, PF, Labour Laws etc.	Smt. Renu Verma
	III	2:00–3:00 PM	Action Plan, Feedback & Quiz	–
	IV	3:15–4:15 PM	Valedictory & Certificate Distribution	–