

FIRST ANNOUNCEMENT  
**5<sup>th</sup> International Conference**



Indian Oil

# CHEM-TECHNOVA 2027

(Hybrid Mode)

In Association with : National Sugar Institute, Kanpur

“Frontiers in Chemical Technology: AI, Materials, and Sustainability”

&

## Tech Startathon

**11<sup>th</sup> - 13<sup>th</sup> March, 2027**

### Organized by:

IChE Student Chapter &  
Department of Chemical Engineering &  
Department of Leather Technology;  
School of Chemical Technology;  
Harcourt Butler Technical University Kanpur  
Uttar Pradesh-208002

### Co-Organized by:

School of Sustainability,  
Indian Institute of  
Technology (IIT), Madras  
Tamil Nadu-600036

### Our Website:

[chem-technova2027.netlify.app](https://chem-technova2027.netlify.app)

Website: [www.hbtu.ac.in](http://www.hbtu.ac.in)



## TARGET PARTICIPANTS

Industry Leaders, R & D Head, Industry Experts, Procurement Managers, Process Engineers, Scientists, Faculty / Research scholars/ M.Tech/ M.Phil/ M.Sc./B.Tech/ Polytech. students of all Branches.

## ADDED ATTRACTIONS

Attractive Cash Prizes from a Prize pool of Rs. 30,000/-.

- The prizes and certificates of participation will be given in the Valedictory session.
- Breakfast, Lunch, Dinner and Refreshments will be provided to all the registered participants for all the days of Conference.
- Cultural events are organized on the evening of 11th & 12th March, 2027.

## REGISTRATION

- Foreign Delegate (Online) : Rs. 4000/-
- Delegate from Industries/ Scientist : Rs. 3000/-
- Faculty from Academic Institutions (Non - IICHE Member ) : Rs. 2500/-
- Faculty from Academic Institutions (IICHE Member ) : Rs. 2000/-
- Post Graduate / Research Scholar ( Non - IICHE Member ) : Rs. 2000/-
- Post Graduate / Research Scholar (IICHE Member ) : Rs. 1500/-
- UG/Diploma Student ( Non - IICHE Member ) : Rs. 1500/-
- UG/Diploma Student (IICHE Member ) : Rs. 1000/-

\* **5% Additional fees for SPOT registration**

## PAYMENT MODE: BANK TRANSFER

The account details for payment are :

- Bank: CENTRAL BANK OF INDIA;
- Branch: HBTI Kanpur
- A/c Name: IChE Student Chapter, HBTU Kanpur;
- A/C No.: 5371004030 ; IFSC: CBIN0283288

***A maximum 500 participants on a first-come-first-served basis shall be accommodated.***

Participants can register for the event through the following link:

<https://forms.gle/GttnnrcTiwjvXtxV9>

Last date of Registration: 15th January, 2027

All the registered participants will get the certificates.

## ADDRESS FOR CORRESPONDENCE

- Dr. S.V.A.R. Sastry, Professor
- Dr. Shravan Kumar, Assistant Professor

School of Chemical Technology, HBTU, Kanpur, U.P.

Pin-208002 Phone: 7093423964, 7577082588

E-mail: svarsastry@hbtu.ac.in, shravan.k@hbtu.ac.in

## CHIEF PATRON

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Hon'ble Vice Chancellor, HBTU, Kanpur

## PATRONS

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Prof. Rajnish Kumar, Head, School of Sustainability, IIT Madras  
Shri. Biswanath Chattopadhyay, CEO, IVL Dhunseri Petrochemicals  
Shri. Anoop Trivedi, CTO, Tata Steel  
Prof. D. Parmar, Pro-VC, HBTU, Kanpur  
Mr. Amit Kumar Rathore, Registrar, HBTU, Kanpur

## CHAIRPERSONS

Prof. P.K.S. Yadav, Dean, SOCT, HBTU, Kanpur  
Prof. G. L. Devnani, HoD Chemical Engg.

## ORGANISING SECRETARY

Prof. S.V.A.R.Sastry,  
Professor, HBTU, Kanpur

## CONVENERS

Dr. Shravan Kumar, Assistant Professor  
Dr. Pranava Chaudhari, Assistant Professor

## COORDINATORS

Dr. Zeenat Arif, Assistant Professor  
Dr. Bineeta Singh, Assistant Professor  
Dr. Omkar Kushwaha, Senior Principal Scientist, IIT Madras

## ADVISORY COMMITTEE

Prof. K. K. Pant, Director IIT Roorkee  
Dr. Vipin Shukla, Scientist 'G', DSIR, DST  
Prof. Shishir Sinha, Director General, CIPET  
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Prof. S.P.Chaurasia, NIT Jaipur  
Prof. Raj Kumar Arya, NIT Jalandar  
Prof. Dhananjay Singh, IET Lucknow  
Dr. A.G.Rao, Chief Scientist, IICT, Hyderabad  
Prof. Arun Maithani, HoD Paint Technology, HBTU, Kanpur  
Prof. P.K.S. Yadav, HoD Plastic Technology, HBTU, Kanpur  
Prof. G.L. Devnani, HoD Leather Technology, HBTU, Kanpur  
Prof. Vivek Kumar, HoD Food Technology, HBTU, Kanpur  
Prof. Ajay Kumar Singh, HoD Biochemical Engg., HBTU, Kanpur  
Dr. Neeraj Praphulla Awasthi, HoD Oil Technology, HBTU, Kanpur

## ORGANISING COMMITTEE

Prof. Ashwini Sood, HBTU, Kanpur  
Prof. Rajesh Katiyar, HBTU, Kanpur  
Prof. A.K. Rathore, HBTU, Kanpur  
Prof. Ashish Kapoor, HBTU, Kanpur  
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Dr. Dan Bahadur Pal, HBTU, Kanpur  
Dr. Anjali Awasthi, HBTU, Kanpur  
Dr. Vivek Jaiswal, HBTU, Kanpur



## **ABOUT THE UNIVERSITY**

Harcourt Butler Technical University, Kanpur (Formerly HBTI, Kanpur) was established in 1921 and has a glorious history and has always been at the forefront of technological developments and the growth of industries in the country since its inception. The Institute began as the Government Technological Institute, Uttar Pradesh in 1921. The Institute was renamed Harcourt Butler Technological Institute in 1926 in honor of the name of Sir Spencer Harcourt Butler, the then Governor of U.P. Degree courses in Oil Technology were started in 1921, and Chemical Engineering was started in 1954 and after that 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 to Harcourt Butler Technical University, Kanpur on September 01, 2016, by Govt. of UP. The University spreads across two campuses - East Campus (77 acres) and West Campus (271 acres) situated approximately 3 kilometers apart. The University provides a congenial environment for the holistic growth and all-round development of the students.



## **ABOUT THE SCHOOL OF CHEMICAL TECHNOLOGY**

University offers distinctive study programs with its priority and thrust in imparting high-quality education in seven Chemical Technology branches, namely Oil Technology (Estd. 1921), Chemical Engineering (Estd. 1954), Plastic Technology (Estd. 1964), Paint Technology (Estd. 1964), Food Technology (Estd. 1964), Bio-chemical Engineering (Estd. 1964) and Leather Technology (Estd. 1978). The School of Chemical Technology (SoCT) produced more than 15,000 graduates in these programs which cater to the industry and top-level management human resource demands at the National and International level. Alumni from the School of Chemical Technology are placed as CEOs/MD's of many top Companies across the world.

## **ABOUT INDIAN INSTITUTE OF CHEMICAL ENGINEERS**

Indian Institute of Chemical Engineers (IIChE) was born on 18th May 1947 on the eve of the Indian Independence. The Institute is the apex body of Chemical Engineering Professionals in India. The activities of the Institute are spread across the country through its 42 Regional Centres and more than 170 student chapters. Govt. of India has recognized IIChE as a Scientific and Industrial Research Organization.

## ABOUT THE CONFERENCE

The bright shining sun reflects in the faces of champions, and the charming planetary events cherish the moments and make the macrocosm of CHEM-TECHNOVA 2027. Prepare your mind for an engineering overdose where you will compete to be the best chemical technologists. The event will require your analytical and technical skills. Technical fests are an essential part of the course curriculum as it gives a platform for young brains to showcase their innovative ideas and compete with their peers. The main objective of the Conference is to promote innovative thinking and practical skills through real-life technological projects. CHEM-TECHNOVA 2027 is a three-day-long Annual Technical Festival organized in collaboration with enthusiastic students and experienced faculties of the School of Chemical Technology, HBTU Kanpur. It is one of a kind, which harbors knowledge, skill, and performance excellence together.

## THEMES OF CONFERENCE

- Air Pollution Control
- Application of Artificial Intelligence & Neural Networks
- Biomass Utilization and Bioenergy
- Bio-surfactants and Paints
- Catalysis and Reaction Engineering
- Chemicals and Fertilizers
- Climate Change and Sustainability
- Colloidal and Interfacial Phenomena
- Composite and Smart Materials
- Computational Fluid Dynamics
- Effluent Treatment in Chemical Process Industries
- E-waste & Medical Waste Processing and Recycling
- Energy Storage, Green Chemistry, and Technologies
- Innovation, Technology and Sustainable Business Practices Instrumentation, Process Control, Modeling and Simulation
- Machine Learning and AI Applications.
- Novel Separation Processes & Nano Technology
- Renewable & Alternative Energy
- Safety, Health, and Environment
- Solid Waste Management
- Transport Phenomena and Fluid Mechanics
- Utilization of Plastics and Polymeric Materials
- Waste Wastewater Treatment

## SPECIAL FEATURES

- Indo-Canadian Joint Symposium
- Invited Lectures by Eminent Persons from India and Abroad
- Panel Discussions
- Oral Presentations
- Poster Presentations
- Industrial Exhibitions

**Attractive Prize pool of Rs. 30,000/-**

The prizes and certificates of participation will be given in the Valedictory session.

## ABOUT THE TECH STARTATHON

The flame of innovation burns brightest when brilliant minds from across the globe unite and CHEM-TECHNOVA 2027 stands as that beacon of inspiration. Presenting the Tech Startathon towards Viksit Bharat 2047, a stage where ideas transcend boundaries and the spirit of entrepreneurship meets the world of chemical technology. This competition invites students, researchers, and innovators worldwide to showcase their startups, groundbreaking concepts, and transformative solutions that can revolutionize the chemical and allied industries. It's more than just a contest it's a global platform for innovation, collaboration, and impact.

## THEMES FOR TECH STARTATHON

- Startup Ecosystem
- Business Sustainability
- Healthcare Management
- Technology Innovation Management
- Streaming services
- Edu Tech
- Ecommerce industry
- Medical Technology and fitness
- FinTech
- Cybersecurity
- Circular Economy and Entrepreneurship
- Entrepreneurship as Practice
- Environment, Social, and Governance (ESG)
- Climate Tech
- Financing of Innovation
- Public Health and Entrepreneurship
- Start-up Valuation and Alternative Approaches
- Green entrepreneurship
- Spin off processes and knowledge transfer
- Entrepreneurial finance and venture capital
- Innovation and technological entrepreneurship
- Social and community entrepreneurship
- The unexpected founders
- Business plans
- New revenue models
- Success Stories and Best Practices

## REGISTRATION

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- Delegate from Industries/ Scientist : Rs. 3000/-
- Faculty from Academic Institutions : Rs. 2500/-
- Post Graduate / Research Scholar : Rs. 2000/-
- UG/Diploma Student : Rs. 1500/-

\* **5% Additional fees for SPOT registration**

# TENTATIVE KEYNOTE / PLENARY / INVITED SPEAKERS

## Speakers From Canada

Prof. Ning Yan, University of Toronto, Canada  
Prof. Gopal Achari, University of Calgary, Canada  
Prof. Bishnu Acharya, University of Saskatchewan, Canada  
Prof. Quan Sophia, Dalhousie University, Canada  
Prof. Sonil Nanda, Dalhousie University, Canada  
Dr. Shad W. Siddiqui, InnoTech, Canada

## Speakers from US

Dr. Veera M Boddu, Environmental Protection Agency, US  
Prof. Srikanth Pilla, University of Delaware, US  
Prof. K Rama Rao, University of Technology, Brunei  
Dr. Tirath Raj, University of Illinois, US

## Speakers from IITs

Prof. Shishir Sinha, IIT Roorkee & Director General, CIPET  
Prof. Rajnish Kumar, Head, School of Sustainability, IIT Madras  
Prof. Prasenjit Mondal, IIT Roorkee  
Prof. Anil Verma, IIT Delhi  
Prof. Vimal Katiyar, IIT Guwahati  
Prof. S Senthilmurugan, IIT Guwahati  
Prof. B.K.Dubey, IIT Kharagpur  
Dr. Komal Tripathi, IIT Roorkee  
Dr. Omkar Kushwaha, Senior Principal Scientist, IIT Madras

## Speakers from NITs

Prof. M.K.Jha, NIT Jalandhar  
Prof. S.P. Chaurasia, NIT Jaipur  
Prof. Apurba Dey, NIT Durgapur  
Dr. Amit Arora, NIT Hamirpur  
Dr. Suresh Sundaramurty, NIT Bhopal  
Dr. Sushant Upadhyay, NIT Jaipur  
Dr. Jignasa V. Gohel, NIT Surat  
Dr. Raghuraj Pandiyan, NIT Warangal

## Speakers from CSIR/DRDO/NSI

Prof. Seema Paroha, Director, NSI Kanpur  
Dr. Thallada Bhaskar, Director, CSIR-AMPRI, Bhopal  
Dr. A.G.Rao, Chief Scientist, CSIR-IICT, Hyderabad  
Dr. S. Sridhar, Chief Scientist, CSIR-IICT, Hyderabad  
Dr. Suresh Kumar, Scientist G, DMSRDE, Kanpur  
Dr. Sandeep Kumar, Scientist F, DMSRDE Kanpur  
Dr. Subhas Mondal, Scientist E, DMSRDE Kanpur

## Speakers from Industries

Sri Biswanath Chattopadhyay, CEO, IVL Dhunseri Petrochemicals  
Sri M L Dhiman, Director, Gaskon Engineers Ltd.  
Sri Sumit Basu, Executive Director, IOCL  
Dr. Sirshendu Guha, DGM, Engineers India Limited (EIL)  
Dr. Ritesh Mittal, DGM-R&D, Engineers India Limited (EIL)  
Mr. Mahendra Pingle, General Manager, Tata Steel Colors

## Submission of Abstract

The abstract can be submitted through the following link:  
<https://forms.gle/6kSgPLYu1jLNVfif6>

## Important Dates

Abstract Submission Start	07/10/2026
Abstract Submission End	03/01/2027
Announcement of Acceptance of Abstract	05/01/2027
Last date of Online Registration	15/01/2027

## Publications

Selected Papers will be published as Book Chapters and in reputed International Journals of Springer/ Taylor & Francis. Conference Proceedings will be published.

Full papers will be invited for possible publication after peer review in the Special issues of the following SCI/WOS-Indexed Journals:

- 1.Special Issue of "Biomass Conversion and Biorefinery" (I.F: 4.05)
- 2.Special Issue of "Processes" (I.F: 3.5)
- 3.Special Issue of "Journal of Engineering" (I.F: 2.7)
- 4.Special Issue of "Crystals" (I.F: 2.7)

## SPONSORSHIP CATEGORIES

### 1. Technology Partner @ Rs. 10 lacs

- Logo on the Backdrop
- Logo on the Entrance Gate
- One Banner Standee at the Entrance
- 20 mins Speaker Slot
- 10 Delegate Passes
- Stall for Exhibition
- Logo on each & every Banner, Poster and Registration kits
- Guest of Honour will be given in Inaugural / Valedictory Function

### 2. Diamond Partner @ Rs. 8 lacs

- Logo on the Backdrop
- Logo on the Entrance Gate
- One Banner Standee at the Entrance
- 20 mins Speaker Slot
- 10 Delegate Passes
- Stall for Exhibition
- Logo on each & every Banner, Poster and Registration kits

### 3. Platinum Partner @ Rs. 5 lacs

- Logo on the Backdrop
- Logo on the Entrance Gate
- One Banner Standee at the Entrance
- 15 mins Speaker Slot
- 8 Delegate Passes
- Stall for Exhibition

### 4. Gold Partner @ Rs. 3 lacs

- Logo on the Backdrop
- Logo on the Entrance Gate
- 10 mins Speaker Slot
- 5 Delegate Passes
- Stall for Exhibition

### 5. Silver Partner @ Rs. 2 lacs

- Logo on the Backdrop
- Logo on the Entrance Gate
- 3 Delegate Passes
- Stall for Exhibition

### 6. Associate Partner @ Rs. 1 lac

- Logo on the Backdrop
- Logo on the Entrance Gate
- 2 Delegate Passes

### 7. Technical Partner @ Rs. 75,000

- Logo on the Backdrop
- Logo on the Entrance Gate
- 1 Delegate Pass

8. Exhibition Stalls will be provided @ Rs. 50,000 (Area of 3m × 3m)

Stall Booking Early Bird Offer (till 31st December, 2026) : Rs 35,000 each stall cost on booking 2 Stalls.

### 9. Lunch @ Rs. 2 lacs (For 3 days)

### 10. Dinner @ Rs. 1 lac (For 2 days)

### 11. Cultural program @ Rs. 50,000 (For 2 days)

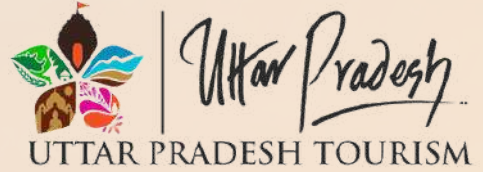
### 12. Plenary / Keynote Lectures @ Rs. 30,000

\*\* Plus 18% GST Applicable on above.

## Souvenir Advertisement Rates:

Front Cover Inside Page : Rs. 40,000; Back Cover page : Rs. 35,000; Back Inside page : Rs. 30,000; Full page color : Rs. 15,000; Half Page color : Rs. 10,000; Quarter page color : Rs. 6,500; Full page B/w : Rs. 10,000; Half page B/w : Rs. 7,500; Quarter page : Rs. 4,500

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Pushkar Nishad  
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Uday Taneja

Registration form Link:



<https://forms.gle/GttnnrcTiwjvXtxV9>

