2nd International Conference

on

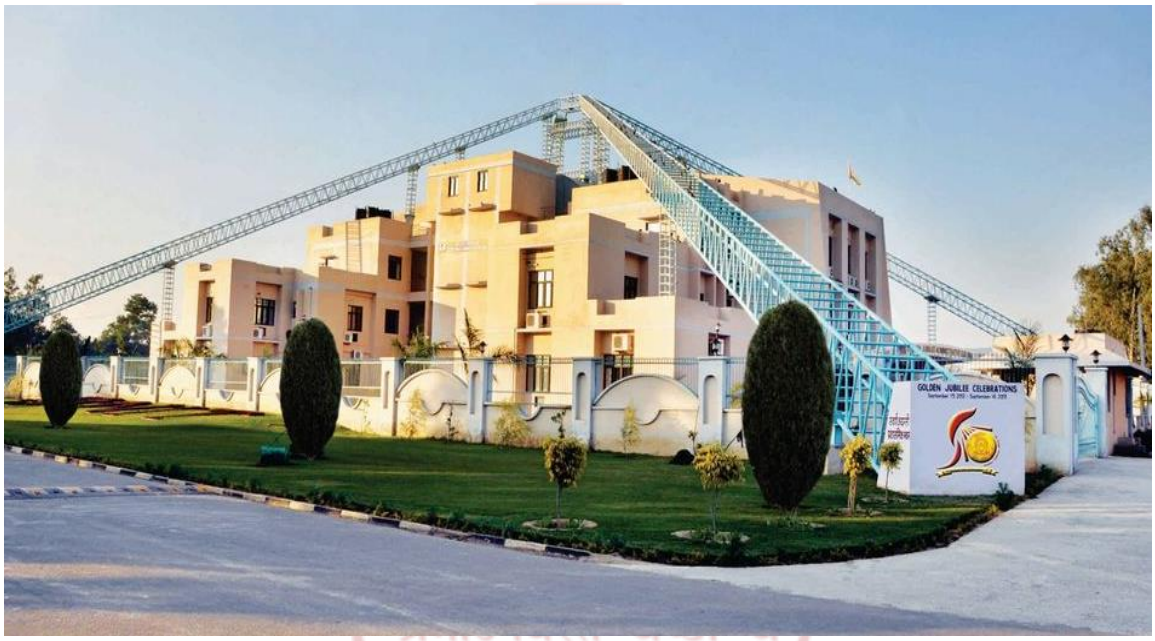
Green Energy and Sustainable Technology

Theme: Green Hydrogen and Energy Storage for Sustainable Green Economy

(ICGEST-2026) www.icgest2026.com

(Dec. 18-20, 2026)

IN HYBRID MODE (ONLINE & OFFLINE)



Organized by

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National Institute of Technology Kurukshetra, India-136119

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SCOPE OF CONFERENCE

Renewable energy solutions are becoming cheaper, more reliable, and efficient. Yet, our continued dependence on fossil fuels remains both unsustainable and damaging to the planet. Accelerating the deployment of clean energy technologies is not optional; it is essential to combating climate change, one of the biggest threats to survival. Energy storage technologies are critical pillars of this transition, enabling renewable energy sources to deliver consistent, dependable power. Hydrogen has significant potential to decarbonize the energy sector entirely, providing a zero-emission alternative to fossil fuels across a wide range of applications. Green technologies aim to conserve the natural environment and resources. It can operate across diverse areas such as sustainable energy technologies, renewable energy, green hydrogen, biofuels, e-mobility, energy storage systems, solid waste management, energy system planning, and operational issues. Industry and society demand a wide range of storage options, from small-scale to large-scale, including both mobile and stationary applications. In this context, the 2nd International Conference on Green Energy and Sustainable Technology (ICGEST-2026) is to be organised by the Department of Energy Science & Engineering, National Institute of Technology, Kurukshetra, with the theme "Green Hydrogen and Energy Storage for a Sustainable Green Economy". The First Conference (ICGEST-2025) was successfully organised by NIT Kurukshetra during 5-7 Jan. 2024, with around 110 papers presented from 300 submitted. The conference proceedings were published in Lecture Notes in Electrical Engineering by Springer (Scopus-indexed). This year, the conference will cover core themes, including Renewable Energy Technologies, Energy Efficiency and Conservation, Sustainable Fuels and Green Chemistry, and the Climate Change and Environmental Impact of Energy Systems. ICGEST 2026 aims to be the main theme of the conference on Green Hydrogen generation as an alternative and efficient solution for addressing global energy challenges. The topics also include Smart Energy Materials/Nanomaterials and Technologies, Energy Policy, Economics, and Social Impacts. In addition to sustainable energy, the conference will address issues such as green environment, biodiversity, sustainable resource planning and management, pollution control, waste-to-energy management, climate change mitigation, and the adaptation of green technologies for energy and environmental applications.

Topic areas include, but are not limited to:

- Sustainable Energy and Developments, Geothermal Energy, Bio-energy, Green Energy,
- Biomass Energy, Waste-to-Energy, Solar Energy, Wind Energy
- Environmental Engineering and Environmental Science, Green Buildings,
- Impact on Agriculture, smart transportation,

Thus, the conference aims at bringing the latest technologies and advancements in the field of Green Energy, Green Hydrogen generation and storage, Renewable Energy, Environmental Science, and Storage Technologies and provide an international forum and platform for academics, researchers, and scientists worldwide to discuss results and proposals on issues related to Green Energy and Environmental Technologies.

CONFERENCE TRACKS

Track-1: Renewable/Sustainable Energy Technologies, Energy Efficiency and conservation, Energy Management Systems (Distributed Energy Management System, Community Energy Management System), Energy Audit, Energy Management – Prosumers, Aggregators, Energy Communities

Track-2: Renewable Energy Systems and Grid Integration, Integrating DERs into Existing and New Electricity Markets

Track-3: Smart Grids, Transmission and Distribution, Resilient Power Systems and Smart Grid Management, System Control, Wide-Area Monitoring and Protection, Smart Monitoring and Metering Systems, Network Digitalization and Smart Metering Infrastructures

Track-4: Artificial Intelligence, Machine Learning, Data Analytics, IoT, ICT, and Cyber Security for Smart Grid energy systems, Blockchain, and Transactive Energy Systems

Track 5: Electric Vehicles, EV Charging Systems, Planning and Grid Interaction for E-Mobility

Track-6: Energy Storage Technologies, Chemical and Thermal energy, Battery energy storage, and Battery Management System

Track-7: Green Hydrogen generation, Safety, Storage, and Transportation

Track-8: Power System Planning and Operational Issues, Stability, Reliability, and Smart/Microgrid Operations, Energy Efficiency in Industrial Processes, Heating, Cooling, and Lighting.

Track-9: Energy Markets, Integrating DERs into Existing and New Electricity Markets, Local Energy Markets, Regulatory Aspects, Policies, and Decarbonization Strategies, National Energy Policies

Track-10: Waste to Energy, Bio Fuels, Bio Energy, Sustainable Fuels and Green Chemistry, environmental issues

Track 11: Climate Change, Climate Change Mitigation and Adaptation, Green Buildings, Smart Communities, Smart Cities, and Smart Buildings

Track 12: Innovative Energy Materials, nanomaterials, and Technologies

NIT KURUKSHETRA

NIT Kurukshetra, formerly known as Regional Engineering College, Kurukshetra was founded in 1963. It was conferred upon the NIT status, with Deemed University on June 26, 2002. The Institute offers several courses, in various disciplines of B.Tech., M.Tech., MBA, MCA and Ph.D. with an annual intake of about 1500 students. The institute also provides excellent facilities for advanced research in the emerging areas of Engineering, Science, and Technology. The institute has well qualified and dedicated faculty along with supporting staff, laboratories and other infrastructure. The infrastructure is geared to enable the institute to produce technical personnel of high quality.

DEPARTMENT OF ENERGY SCIENCE & ENGINEERING

The department offers B.Tech degree in Sustainable Energy Technologies (SET), M.Tech. in Renewabkle Energy Systems (RES) and Ph.D. Degrees in the areas of renewable energy sources, green energy, biofuels, environmental science, thermal and heat energy, and all relevant fields to green energy and sustainable energy technologies.

KURUKSHETRA

Kurukshetra is described as DHARAMKSHETRA, with historical and religious importance. Here, the battle of Mahabharata was fought, and Lord Shree Krishna preached the philosophy of "KARMA" as enshrined in the holy book "Shrimad Bhagwad Gita." It is one of the premier pilgrimage center attracting devotees all round the year. Kurukshetra is very well connected by Rail, Delhi-Ambala section, by Road (NH1, connecting Delhi-Chandigarh-Amritsar-Jammu) and by Air (Delhi 160 km and Chandigarh 80km). The NIT Kurukshetra campus is situated about 10 km from Pipli, Bus stand located on NH1 and about 4 km from Kurukshetra railway station.

IMPORTANT DATES

Last date for submission of paper	15/09/2026
Intimation of acceptance (on website or by email)	on or before 05/11/2026
Submission of Camera Ready paper	25/11/2026
Early Bird Registration Starts	01/12/2026
Early Bird Registration Ends	07/12/2026
Last date of Registration with late fees	12/12/2026

SUBMISSION GUIDELINES & INDEXING

Research papers should present novel perspectives within the general scope of the conference. The papers can be submitted on the link: https://cmt3.research.microsoft.com

The manuscript must adhere to the Springer conference template format. The conference paper template is available in conference website. The paper length should not exceed 08 pages. All submitted papers will be subjected to a "Plagiarism check" by Turnitin Software. Papers achieving less than 20% similarity score will only be sent for formal review. Paper must be submitted only in PDF format. To submit the manuscript, the authors are requested to use the Microsoft CMT link available in conference website.

The papers received will be peer reviewed before being accepted for presentation. Presently, it is proposed that the presented papers will be published in prestigious SCOPUS indexed Springer Series/ The volumes of this book series will be submitted for inclusion to the leading indexing services including: ISI Proceedings, SCOPUS, MetaPress. Publication in the book under series' Lecture Notes in Electrical Engineering' (Springer, Germany) will also be made available in Springer Link digital library (under discussion).

REGISTRATION INFORMATION

It is mandatory for at least one author of an accepted paper for the paper to appear in the proceedings. Co-authors must register by paying full registration fees, in case they want to attend and get a presentation certificate as a conference delegate. The application should be made on the registration form and should accompany registration fee as below:

Early bird registration

Participant's category	**Early Registration Fee* (in Indian Rupees)**	
	Online	**Offline**
Students Authors	2000/-	2500/-
Faculty Delegates	3000/-	3500/-
Industry Delegates	3500/-	4000/-
Foreign Participants	$100	$200/-

Late Registration

Participant's category	**Late Registration Fee* (in Indian Rupees)**	
	Online	**Offline**
Students Authors	2500/-	3000/-
Faculty Delegates	3500/-	4000/-
Industry Delegates	4000/-	4500/-
Foreign Participants	$110	$220/-

* **Registration fee is non-refundable**

- One single individual can have a maximum of 2 papers per registration.
- Payment can be made through SBI Collect. Payment link will be displayed soon. Registration fee is to be paid through a bank demand draft in favor of "**Director, NIT Kurukshetra"** payable at **SBI, NIT Kurukshetra** or Online in Director, NIT Kurukshetra A/c No. 10116885013; IFSC: SBIN0006260**.**
- Offline participants have to arrange their boarding and lodging on their own.

SPONSORSHIP

The organising committee of ICGEST-2026 invites companies and organisations to advertise themselves during the conference. Sponsors can showcase their service, technology and solutions to an august gathering of the foremost technologists in these areas in India. The conference also provides extensive networking opportunities, which can be fully utilized by availing the complimentary registrations awarded to the sponsors. The conference presents the sponsorship opportunity in one of the following sponsor categories:

Sponsor Type	Amount	No. of Free Registration	Displayed on the website of the conference
Diamond	60000	5	yes
Gold	40000	3	yes
Silver	20000	2	yes
Bronze	10000	1	yes

Apart from above all the sponsorship, categories will attract the following:

- Display of the sponsor's logo on the homepage of the conference website and other official documents of the conference
- Include one brochure/ pamphlet in the registration kit to the conference delegates
- Acknowledgement during the inaugural session
- Colour advertisement of sponsor details/ product details in the abstract book for Diamond, Gold and Silver sponsors

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