



CSIR Sponsored

**National Conference on Challenges and Opportunities for Green
Hydrogen in India
(Physical mode)**

28 - 29 June 2023

Department of Sciences

**Indian Institute of Information Technology, Design and Manufacturing, Kurnool-
518008, Andhra Pradesh, India**

(An Institute of National Importance under Ministry of Education, Govt. of India)



About the Institute

Indian Institute of Information Technology Design and Manufacturing, Kurnool (IIITDMK) was announced in 2014 after receiving the assent of President of India to the Institutes of Information Technology Act, 2014, and its subsequent publication in the Gazette of India, Extraordinary, Part-II, Section I, on December 08, 2014. The institute was announced by Government of India to give effect to its obligation under the Andhra Pradesh reorganization act 2014. The IIITDM Kurnool campus is located far away from the bustling life of the metropolis in the mineral-rich mountain trails of the Rayalaseema region of Andhra Pradesh. The campus is situated atop a hill that oversees Kurnool city. The place offers a perfect environment to nurture a peaceful state of mind required to carry out research and other student activities.

About the Department

The Department of Sciences contains three divisions namely Mathematics, Physics and English. It offers basic core Mathematics and Physics courses for B. Tech Programmes. Besides, the Department of Sciences also offers Ph.D. Programmes in Mathematics, Physics. Currently the department consist faculty of 5 physics, 3 mathematics and 1 English. The department having well established physics laboratory for B. Tech students and two physics research laboratories CMRE, Nano materials sponsored by SERB-DST, UGC-DAE and DRDO.

About the Conference

The National Conference on Challenges and Opportunities for Green Hydrogen in India aims to bring together leading academic scientists, researchers, and research scholars to exchange and share their experiences and research results on all aspects of Green Hydrogen Fuel Production, Hydrogen Storage, Hydrogen Fuel Production and Storage Devices Construction, Fuel Cells Technology and current challenges and prospects of hydrogen fuel in India. It will provide a premier interdisciplinary platform for researchers, practitioners, and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered, and solutions adopted in these fields. The main theme of the present conference is towards practically clean, renewable and non-toxic energy sources for new generation utilities. We hope to create a forum for connecting and sharing ideas with the peers in the same field by exchanging the latest research results and sharing advanced research methods. For this we planned with phenomenal talks as a main session and oral session from the young researchers on various facets of hydrogen fuel.

Scientific Topics

- Artificial photosynthesis and photo-electrochemistry for Hydrogen
- Fuels Production.
- Electrochemical energy storage and conversion.
- Nanoscale Materials for Energy Production.
- Bio-Hydrogen Production.
- Photovoltaics-PEC Hydrogen Cells
- Solar cell
- Solar fuels.
- Fuel cells and electrolyzers.
- Batteries
- Supercapacitors
- Integrated Fuel Cells
- Hydrogen Storage Technologies
- Zero Emission Vehicles
- Water Spilling cells design.
- Flexible energy harvesters
- India's National Hydrogen Mission

Eligibility

The programme is open to faculty, Scientists, and Ph.D. students at Colleges, Universities, Centrally funded Institutions and other allied disciplines in India. Industry personnel working in the concerned / allied discipline can also attend.

Invited Speakers

The programme will be conducted in **physical mode**. Academicians in the concerned field from IITs/NITs/IITs/CFTIs/CFIs are invited to deliver lectures in the programme. Speakers from industries are also expected to deliver as part of the conference.

How to Apply?

1. Fill the online registration form (Google form link: <https://forms.gle/T9HoviABEp4KAzFq8>)
2. Participation/Presentation certificates will be issued.

Organising Committee

Chief Patron

Hon'ble Prof. DVLN Somayajulu
Director
IIITDM Kurnool, A.P., India

Chairperson

Dr. Ravinder Katta
Head of the Department
Department of Sciences
IIITDM Kurnool, A.P., India

Coordinator

Dr. D. Amaranatha Reddy
Assistant Professor
Department of Sciences
IIITDM Kurnool, A.P., India
Contact details: +91-9985577335
E-mail: drreddy@iiitk.ac.in

Student -Coordinators

1. Pooja Varma, Research Scholar, Department of Sciences, Ph. +91-9495602560
2. Anjana E. Sudheer, Department of Sciences, Ph. +91 -9447973504

Registration Details

Registration Fee:

Research Scholars/Faculty	Rs. 500/-
Industry	Rs. 1000/-
Sponsoring	Rs. 10000/-

Name of the bank: SBI (Nandyala Road)
Beneficiary name: IIIT Design and Manufacturing
A/C Number: 37806955974
IFSC: SBIN0021660
UPI ID: 37806955974@SBI

SCAN & PAY



* Registration includes accommodation

* The registration fee will be reimbursed for limited number of young scientists

Awards will
be given for
best oral
presentation

Important Dates

Registration Opens : 16-05-2023

Registration Closes : 20-06-2023

Selection list by E-mail: 21-06-2023