

ANNOUNCEMENT

ONLINE AICTE ATAL FDP ON

“GREEN HYDROGEN GENERATION CHALLENGES AND OPPORTUNITIES IN INDIA”

09th to 14th December 2024

SPONSORED BY



ALL INDIA COUNCIL FOR TECHNICAL
EDUCATION (AICTE)
MINISTRY OF EDUCATION (MoE)
GOVERNMENT OF INDIA

PATRON

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Dr. Rajiv Kumar



ORGANISED BY



SCHOOL OF MECHANICAL
ENGINEERING
SHRI MATA VAISHNO DEVI UNIVERSITY
KAKRYAL, KATRA-182320, (J&K)

www.smvdu.ac.in

SCOPE AND OBJECTIVES

Green hydrogen is expected to play a huge role in decarbonization efforts in the future, especially in oil refineries, steel mills, and fertilizer plants. India's massive expansion to increase green hydrogen production is to curb energy imports and to meet climate targets. The aim is to produce 25 million tons by 2047. India's current output of green hydrogen is very low, and the country should ramp up its production to meet the climate goal targets. The country is still facing difficulties to scale up its production in a cost-effective manner. India is the world's third largest emitter of greenhouse gases. The Indian government targets for net-zero emissions by 2070, and it is carrying out various initiatives to achieve this target. India's decarbonization efforts are also getting support from private players in India. Research issues and opportunities in the field of green hydrogen productions are potential topics for brain storming. It will be promising options for clean energy systems to improve the national energy economy. Hence, a workshop is proposed to address key scientific challenges in the field of green hydrogen production technical challenges which are relevant to the development cost effective systems. The workshop is intended to expose and better learning the participants to the state-of-the-art concept green hydrogen generation technologies.

THE CONTENTS

The topics will include

- Fundamental of Hydrogen Energy
- Hydrogen Energy Generation Technologies
- Biomass-Green Hydrogen
- Solar Photovoltaic-Hydrogen Generation
- Solar Thermoelectric-Hydrogen Generation
- Cost Benefits Analysis
- Research Issues on Green Hydrogen Generation.

ABOUT THE UNIVERSITY

Shri Mata Vaishno Devi University (SMVDU) has been established by an Act of J&K State Legislature as an autonomous, highly technical and fully residential University. The University is recognized under section 2(f) and 12(B) of University Grants Commission Act 1956. The University provides technical education in the field of Engineering, Science, Management, Philosophy and other subjects of contemporary importance. The University campus is self-contained with most facilities available in-house.

TARGET AUDIENCE

Faculty Members, PhD Scholars and M.Tech Students from Academic and Scientist from R&D sector.

RESOURCE PERSONS:



Dr. M. R. Nouni,
Advisor (Rtrd.) NISE,
MNRE, GH2



Prof. Kannan Iyer,
Sr.Prof., IIT Jammu



Dr. V. Siva Reddy,
Director(Tech.), NISE,
Delhi



Dr. Satya Sekhar, Head,
IIT Jammu



Dr Nikil PG, Deputy
Director(Tech.) NISE,
Delhi



Dr. Ravi Kumar
Arun, IIT Jammu



Dr.M.Eswaramoorthy
SMVDU



Dr.M. Anusha
Wijewardane
Aberdeen University
UK

COURSE MATERIAL:

Each registered participant will be provided with a set of comprehensive lecture notes.

NO FEE FOR REGISTRATION

No fees for Registration, Certification. Registration through <https://atalacademy.aicte-india.org/login>

CORRESPONDENCE ADDRESS

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