

Hydrogen Energy for a Decarbonized Future (HEAD)

Graphical Abstract/ Layout



Principal Investigator
Dr. A. Satheesh
Professor
School of Mechanical Engineering



Co-Principal Investigator
Dr. S. Saboor
Associate Professor Grade 2
School of Mechanical Engineering



Co-Principal Investigator
Dr. M. Natarajan
Associate Professor Senior
School of Mechanical Engineering

Name of the Funding Agency
British Council

Name of the Scheme
Going Global Partnerships – Industry
Academia Collaborative Grant 2023-24

Sanctioned Amount (in Rupees)
Rs. 41,34,360

Duration of the Project (years)
2

Copyright © VIT



Project Description

Hydrogen is an important part of decarbonisation strategy for both India and the UK. The most significant impediment in advancing hydrogen technologies is the lack of a trained workforce with practical engineering skills. The project aims to address this gap by bringing together experts from University College London (UCL), Vellore Institute of Technology (VIT) and Siemens Energy, UK (SE) to develop a new curriculum in hydrogen energy, which will provide students and professionals opportunities enhance their technical knowledge and upskill themselves. UCL has a strong background in hydrogen research and leads multiple global projects. The VIT team has excellent engineering education experience and research presence in solar-thermal system integration with hydrogen. SE is a global GT manufacturer and will provide crucial input to the course development, delivery and knowledge exchange. The short course with strong industry emphasis will be delivered to the students then the course will be embedded as an elective course in the curriculum. Outreach activities to generate interest in STEM careers will be conducted.

Curriculum development/Summer School/ Outreach Activities



Curriculum Development at UCL & SE - UK 04th April to 14th April 2024



Summer School Programme Organized at VIT during 15th July to 19th July 2024



Outreach activity conducted at Vani Vidyalaya, Katpadi on 17th July 2024