

Advanced Entrepreneurship and Skill Development Program

on

“ **Entrepreneurship promotion in the areas of AI and Machine learning advancements in the energy sector.** “

19th Nov -23rd Nov, 2024

Venue: Conference Center

IIT Guwahati



FUNDED BY MSME



Organized by

**School of Energy Science and Engineering
IIT Guwahati**

in collaboration with



About the Program

As the energy sector increasingly embraces digital transformation, integrating Artificial Intelligence (AI) and Machine Learning (ML) has become essential for enhancing efficiency, optimizing resource management, and addressing sustainability challenges. This program will focus on equipping participants with the tools needed to innovate within the energy landscape. Key topics will include predictive analytics for energy consumption, smart grid technologies, and AI-driven energy management systems. Through interactive workshops and hands-on training, participants will learn to develop and implement AI and ML solutions tailored to real-world energy problems. By nurturing entrepreneurial talent and promoting innovation, the program is expected to contribute to a more sustainable energy future, positioning participants at the forefront of a rapidly evolving industry.

Possible Outcome

- Interest generation on various energy technologies Integrating AI and ML.
- Entrepreneurship and startup development in these areas
- Employment & revenue generation and aid to “Make in India” movement
- Shaping ideas for entrepreneurship generation and developing marketing strategies
- Financial steps for converting dreams into reality through the presentation of successful case studies

Registration

There is no registration fee to attend the program. No TA/DA and accommodation will be provided for attending the program. Seats are limited to 35.

Registration Link

<https://forms.gle/EKYUNiDXzhPkDzvL8>



Scan Here to Register

Eligibility

Graduates, Post Graduate, Budding entrepreneurs, MSME representatives, Govt officials Startup founders, etc.

**Convenor:
Prof. V.V. Goud**

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About MSME

The Ministry of Micro, Small and Medium Enterprises, a branch of the Government of India, is the apex executive body for the formulation and administration of rules, regulations, and laws relating to Micro, Small and Medium enterprises in India. The objective of all of their programme is to motivate young persons (Men and Women) representing different sections of the society including SC/ST women, physically handicapped, Ex- servicemen, and BPL persons to consider self-employment or entrepreneurship as one of the career options. The ultimate objective is to promote new enterprises, build capacity of existing MSMEs and inculcate entrepreneurial culture in the country.

About IIT Guwahati

Indian Institute of Technology Guwahati, the sixth member of the IIT fraternity, was established in 1994. The academic programme of IIT Guwahati commenced in 1995. At present the Institute has eleven departments, seven inter-disciplinary academic centres and five schools covering all the major engineering, science, healthcare, management and humanities disciplines, offering B.Tech., B.Des., M.A., M.Des., M.Tech., M.Sc., MBA and Ph.D. programmes. Within a short period of time, IIT Guwahati has been able to build up world class infrastructure for carrying out advanced research and has been equipped with state-of-the-art scientific and engineering instruments. Besides its laurels in teaching and research, IIT Guwahati has been able to fulfil the aspirations of people of the North East region to a great extent since its inception in 1994.

About SESE

School of Energy Science and Engineering (SESE) at IIT Guwahati was established in May 2004 to promote multidisciplinary activities focused to various facets of energy technology and systems in the form of research, teaching and consultancy. The School gives priority to activities in the field of bio-energy, small hydro-power, alternative fuels, clean coal technology, combustion and energy efficiency of systems etc. Currently, SESE has three academic programmes - Doctor of Philosophy (PhD), Master of Science by Research (MS-R) & B.Tech. in Energy Engineering. The facilities available at SESE have been a great support for the students working in different areas at IITG as well for the students of various academic and research institutions of the North East.

About TIH

The Technology Innovation Hub (TIH) at IIT Guwahati—officially known as the IIT Guwahati Technology Innovation and Development Foundation (IITG TI&DF)—is a pioneering center of research and innovation, established under India's National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) by the Department of Science and Technology (DST). Strategically located in Guwahati, the "Gateway of Northeast India," the hub is uniquely positioned to connect and elevate technological and research capabilities in this historically underserved region. Leveraging IIT Guwahati's world-class research infrastructure, TIH is dedicated to advancing a range of cutting-edge technologies, with a primary focus on underwater exploration, robotics, and biomimicry. These efforts align with India's broader vision to build indigenous capabilities in cyber-physical systems, thereby strengthening the country's global competitive position in critical technological domains.

Committee

Patron

Prof. Devendra Jalihal
Director, IIT Guwahati

Chair Person

Prof. Santosha K. Dwivedy
Project Director, TIH, IITG

Convenor

Prof. V.V Goud
Head SESE, IIT Guwahati

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Dr. Lepakshi Barbora, SESE, IITG
Mr. Debarshi Baruah, SESE, IITG
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