



Energy Institute, Bengaluru Centre of Rajiv Gandhi Institute of Petroleum Technology, Jais

Rajiv Gandhi Institute of Petroleum Technology (RGIPT), Jais, is an autonomous institution established by the Government of India. The Institute has been accorded the status of "An Institution of National Importance" along with the lines of the IITs under an Act of Parliament ("Rajiv Gandhi Institute of Petroleum Technology Act 2007"). The Institute also have centers at Bengaluru (Energy Institute Bengaluru, EIB) and Sivasagar, Assam (Assam Energy Institute, AEI) to expand the academic and research activities especially in the aspects of energy. RGIPT is co-promoted as an energy domain specific institute by six leading Oil PSUs (ONGC, IOCL, OIL, GAIL, BPCL and HPCL) in association with the Oil Industry Development Board (OIDB).

Energy Institute Bengaluru, Centre of RGIPT, is co-promoted as an energy domain specific Institute offering P.G. programs aimed at inculcating manpower with sound theoretical and experimental background in frontier areas of research in engineering. The emphasis is on understanding the scientific concepts and engineering principles involved in solving problems of practical importance in the relevant field using multidisciplinary approach. An important component of these programs is to promote and develop a habit of independent thinking and initiative by the students in planning and execution of the research work. These programs seek to develop manpower of the highest quality to cater to the needs of industry, R&D organizations and educational institutions.

The programs offered at Bengaluru Centre falls in line with the current societal needs and technological development. The offered programs cater to the requirement of manpower forecasted to increase in energy sector by 2030. The energy transition, sustainable development and digitalization in energy sector in India is forecasted to create 2 to 3 million jobs by 2050 as reported by Energy Economic times. India's renewable and electric vehicle sector demands to employ one million people at the end of 2030. So, on learning the current trend in scientific and technological development four post graduate programs namely Renewable energy, Electric Vehicle Technology, Data Science Specialization in Energy and Artificial Intelligence Specialization in Energy. The Centre also offers Ph.D programs in Mechanical Engineering, Electrical and Electronics Engineering, Material Science Engineering and Chemical Engineering.



Admission for M.Tech. and Ph.D. Programmes at Energy Institute, Bengaluru, Centre of RGIPT

Last date of Application: 25-07-2022

M.Tech Programmes at EIB

**Artificial Intelligence Specialization
in Energy**
Electric Vehicle Technology
**Data Science Specialization in
Energy**
Renewable Energy

Highlights of the Course
The concepts like **Data Mining, statistical machine learning, deep learning, Internet of Things, probabilistic graph model applied to industrial process optimization, performance forecasting and failure predictions**

Ph.D Specialization

Chemical Engineering
Mechanical Engineering

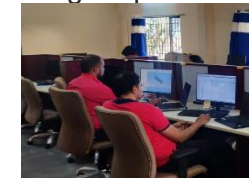
Monthly Scholarships offered

M.Tech: Rs.8000/- (for Non-GATE)
Ph.D: Rs.35,000/- (for GATE)

How to Apply:
Visit www.rgipt.ac.in for eligibility details and submit online application form

Computational Laboratory

This Lab comprises of high-end computers installed with recently demanding and comprehensive research-based software's like COMSOL, PSIM, JMAG, ETAP, EMTP, ANSYS, DesignExpert and Origin Pro.



Campus Life @ EIB

Government of Karnataka has allotted 150 acres of land at Kambalipura, Hosakote District, Bengaluru. Construction of the campus is currently taking place. So, Energy Institute Bengaluru is currently situated at Sri Venkateshwara College of Engineering, International Airport Road, Yelahanka, Bengaluru. The Proposed campus is expected to materialize by 2023.

Central Library

There are around 620 books related to our curriculum. Access to online journals is channelized through our main campus (RGIPT). Enlargement of Library and its Digitization is underway, as EIB had its inception in 2018.



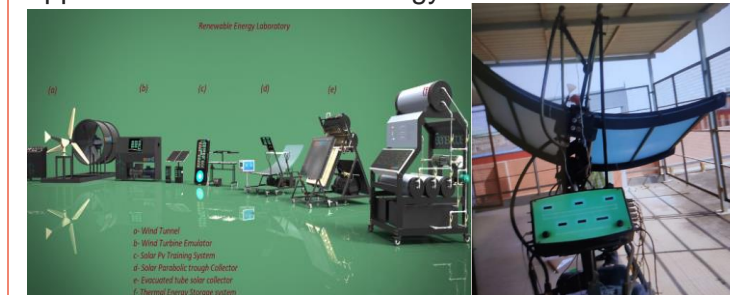
Hostel Facility

Provision for hostel accommodation at the transit campus for Boys and Girls can be made and availed if interested.

Central Laboratory Facilities

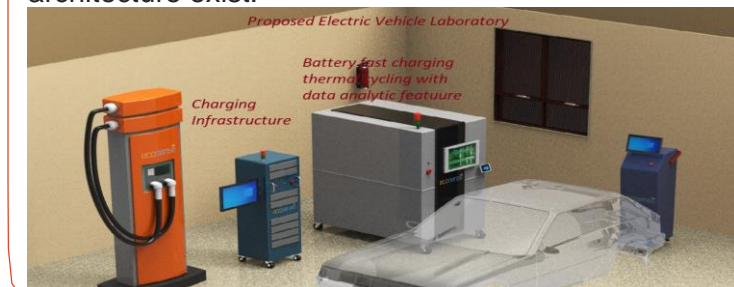
Renewable Energy Laboratory

Renewable Energy Laboratory includes Solar PV grid tied system, wind turbine emulator, Solar thermal ETC system, Thermal energy storage and Solar PV training kit which are customized curriculum and research-based equipment substantiating the concepts and application of renewable energy.



Electric Vehicle Laboratory

EVT Laboratory includes state of art technologies for E-Mobility. Equipment like programmable Electric drive, regenerative drive cycle simulator, regenerative battery cyler with data analytics rendering functions like rendering functions like optimization of charging infrastructure and configurable electric vehicle architecture exist.



Research Facilities Available

The Centre is currently in the progress of establishing state of art research facilities in the field of Energy. Current equipment like Research test engine, Solar VI Curve analyzer, meteorological set up with data logging facility, hardware in loop simulator, hot air oven, magnetic stirrer and muffle furnace are available.



Located at

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