STUDENT PLACEMENT BROCHURE

M.TECH. GREEN ENERGY TECHNOLOGY

CENTRE FOR GREEN ENERGY TECHNOLOGY

(SAF Sponsered and recognized as Centre for Excellence by MNRE)

MADANJEET SCHOOL OF GREEN ENERGY TECHNOLOGIES

PONDICHERRY UNIVERSITY

(A Central University)

('A' grade accredition by NAAC)

PONDICHERRY UNIVERSITY

The Pondicherry University was established in 1985 by the Government of India through as Act of the Parliament. Being a Central University, it is fully supported by the UGC. The campus is located in a salubrious, even climate and sprawling area spread over 780 acres of land, part of which rolls down to the sea beach. The university is known for its scenic beauty with grand ravine, luster green provide a serene and ideal environment for the pursuit of academic excellence. The university is a member of The Association of Commonwealth Universities and has signed memorandum of understanding with several Indian and Foreign Universities/Institutes. The survey reports by the UGC ranked the institution as one of the best in the country. NAAC accredited Pondicherry University with A grade and media placed it among top notch Universities in India.

CENTRE FOR GREEN ENERGY TECHNOLOGY (C-GET)

The Centre for Green Energy Technology (C-GET) was established on 2010 under the aegis of Madanjeet School of Green Energy Technologies with a vision to promote education and research in environmentally clean methods of energy production, conservation and utilization. The center offers M. Tech in Green Energy Technology supported by South Asia Foundation (SAF). It promotes research in the fields of all clean sources of energy conversion such as Solar Photovoltaic, Solar Thermal, Bio-fuels, Wind Energy, Ocean Energy, Chemical Energy including applications of Nanotechnology for energy conversion. C-GET has well trained faculty in the specialized areas and aims to perform environmental protection by Human Resource Development offer taking up consultancies onsite and offsite clean energy projects and publish original research articles in green energy. C-GET responsibly involves in the research upgradation on energy science and technology, conducts international core group discussions on emerging tools and products of the field and aims to support on policy guidelines on energy generation, conservation and utility. The C-GET promotes Industry-Institute collaboration to propagate technology to right people. Ministry of New and Renewable Energy (MNRE) has recognized and approved the C-GET at Pondicherry Central University as a Centre for Excellence for studies in Green Energy Technology.

AIMS AND OBJECTIVES

The field of Green Energy Technology (GET) encompasses a continuously evolving group of methods, materials and processes from environmentally benign techniques for generation and utility of energy. The goals of this rapidly growing highly interdisciplinary field include:

- Generation and utilization of environmental friendly energy resources, energy conversion process and machineries
- Innovations in developing alternatives to the technologies practiced currently with greater environmental risks.

Thus "Green Technology" is a term used to describe the "materials and methods" that yields the pathway of the journey of civilization without an nip to environment.

PROGRAMME OF STUDY

Programme	Number of Seats
M. Tech in Green Energy Technology	20
Ph. D	Currently 17

M. TECH PROGRAMME IN CENTRE FOR GREEN ENERGY TECHNOLOGY

Pondicherry University's rigorous academic programmes give students a range of transferable skills. Each student is exposed to the practical challenges through series of lectures, trainings and summer internships which transform the theoretical knowledge into solid professional skill-building. This programme is designed for two years spread into four semesters. Laboratory works on all renewable energy technologies are given paramount importance. The Centre has established full-fledged laboratory facility to tune the students as per the requirement of the industry. The fourth semester is completely dedicated to project work, in which students will have to undergo intensive research work in reputed research laboratories/industries. In addition students are exposed to outside international experts who visit our centre regularly. The course structure of the M. Tech Programme is given below.

COURSE STRUCTURE

SEMESTER-I

- Energy, Environment and Sustainable Development
- Renewable Energy Resources & Systems
- Modeling and Simulations
- Fuel & combustion Technology
- Thermal and Electrical Systems
- Fundamentals of Biochemistry (Bridge Course)
- Scientific Writing and Research Methodology

Practical

- Energy Laboratory – I

SEMESTER-II

- Wind Energy & Small Hydropower Systems
- Solar Photovoltaic Energy Conversion
- Processing of Green Energy Materials
- Solar Thermal Energy Conversion
- Waste to Energy Conversion
- Green Management
- Environmental Risk Management

Practical

- Energy Laboratory – II

SEMESTER-III

- Bio Energy and Conversion systems
- Solar Photovoltaic Systems & Technology
- Green Chemistry
- Green Nanotechnology
- Green Concepts in Buildings
- Carbon Sequestration at Landscape Level
- Green Energy and Economics
- Smart materials: Application of nanomaterial for batteries, solar and fuel cells
- Nanotechnology for Energy Systems
- Industrial Management & Etrepreneurship

Practical

- Mini-Project: Proposal Writing and Defence
- Energy Laboratory – III
  (Virtual Instrumentation and case study on Sustainable Energy Systems)

SEMESTER-IV

- Green Energy Technology Dissertations : Dissertation & Viva-voce

PLACEMENT

Why recruit students of C-GET, Pondicherry Central University?

University's multi disciplinary programmes on Green Energy Technology will give sufficient exposure to its students on a wide range of theoretical and practical courses. The emphasis is on finding innovative solutions to problems that are there today or may come up tomorrow. C-GET believes in the significance of providing its students extensive practical exposure alongside invaluable academic inputs to ensure their holistic development. Therefore, the constant interface between classroom training and on-job training through project dissertation in world-class organizations ensures the perfect blend of business acumen and academic intellect. C-GET ensures that such trained people will be an asset of the industry, wherein they are placed.

Companies visited Pondicherry University after 2006:

Accenture, TCS, Infosys, IBM, HP, HCL, Wipro, Patni Computers, Satyam, Hindustan Zinc, Reliance, Cognizant, GE Health Care,Keane, L&T Infotech, Polaris,Cox & Kings, Hi Tours, Berger Paints, High Design, Reserve Bank of India, IDBI, HSBC, Standard Charted, Kotak, Securities, Honeywell, ICICI Bank, LVB, Syntel, Royal Bank of Scotland, Bank of America, Bharati Airtel, UCO Bank, etc.,.

SOPHISTICATED MAJOR EQUIPMENTS

The centre established a high tech laboratory with the following facilities for advanced research. Some of them are mentioned below:

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