

# Academic Programmes

The Centre of Excellence in Energy Science and Technology offers M Tech (Energy Technology) & PhD in Energy Science & Technology at Shoolini University in specialised areas of Energy.

## 1. B. Tech Renewable Energy

### Benefits and Scope of the course:

- An ability to carry out research and development work to solve different energy related problems
- An ability to communicate, write and present a substantial technical report/document effectively
- An ability to demonstrate energy science and allied systems, at master level
- An ability to design, commission and operate energy science & technology and allied systems
- An ability to assess impact of renewable and non-renewable technologies on overall sustainable development

## 2. M. Tech Energy Technology

### Benefits and Scope of the course:

- To educate the students in the latest developments in Energy to meet the Global Climate and Energy Security challenges
- To train students to undertake R & D and Policy research in various fields of Energy especially in Energy Efficiency, Solar Energy, Wind Energy, Bio-Energy, Bio-fuels, Nuclear Energy, Hydro Energy, Co-

generation, Waste heat Recovery and other New and Alternate Energy options to facilitate long-term reductions in greenhouse gas emissions, and impacts of Climate Change.

- To make available highly trained professionals for the Institutions / Energy Industry in the country and worldwide.

**Duration:** Two years, Four Semesters

**No. of Seats:** 18

### **3. M. Tech Climate Science and Sustainable Development**

#### **Benefits and Scope of the course:**

The program is intended to enable a student to develop the scientific career, to understand new concepts, and to master new technologies related to climate science and procedures in the relevant field with focus on UN Sustainable Development Goals.

On completion of the program, the students can choose an academic/industrial /research career.

The course helps in training students to evaluate ,analyze and visualize such data using various types of data-processing and display equipment in the field of environment, climate change and sustainable development.

**Duration:** Two years, Four Semesters

**No. of Seats:** 18

### **2. PhD (Energy Science & Technology)**

PhD Energy program offered by CEEST is designed to shape researchers into future leaders who would conduct independent research in their area of expertise. The centre follows strict quality over research and awards degree only when the

researchers have published in high impact scientific journals and the thesis is approved by qualified reviewers. Thus the candidates will be trained in conducting quality research and can find place in research positions in academia as well as industry.

**Duration:** Minimum of six semesters

**No. of Seats:** 5

## Career Roles and Placements

Career options after completion of Bachelors and Master Degree Programmes offered by CEEST :

- Renewable Energy Systems Design Engineer, Renewable Energy Projects Engineer, Research Engineer, Operations Engineer, Engineering Manager, Projects Manager, Assistant Manager and related roles in energy companies.
- Placements in top power companies such as Tata Power, L&T, RenewPower, Vikram Solar, Waaree, Azure Power, etc.

Career options after completion of PhD Programme offered by CEEST: Research Engineer, Research Manager, Scientist, Professor. Career options in govt. institutes like Ministry of New and Renewable Energy, National Institute of Solar Energy etc.

## To Apply or For Further Inquiries

- Apply Now – <https://bit.ly/ShooliniFacebook>  
Contact for any information: Prof. S.S. Chandel, Director  
E mail: [directorenergy@shooliniuniversity.com](mailto:directorenergy@shooliniuniversity.com)