B.VOC RENEWABLE ENERGY TECHNOLOGY AND MANAGEMENT

The B.Voc course in Renewable Energy Technology and Management was granted to the college by the University Grants Commission (UGC) in 2018 and the first batch of students was admitted in June 2019. The course has been designed to suit the contemporary requirements of the energy industry and aims at promoting skill development and entrepreneurship among students. The department conducts industrial visits and participates actively in programmes pertaining to the field of non-conventional sources of energy. The students are encouraged to showcase and market their skills at various fora. In order to encourage innovation, Team B.Voc has formed the Innovation Cell for Vocational Studies which comprises a start-up for entrepreneurship centered on renewable energy sources, providing consultancy, energy management services and equipment installation at nominal rates.

COURSE OUTCOME

The Bachelor of Vocation (B. Voc) Programme in Renewable Energy Technology and Management enlightens the students about the theoretical as well as the practical aspects of renewable energy technologies, energy conservation, and management. This multidisciplinary integrated programme trains the students not only in renewable energy technologies and its implementation, but also in equally important areas of energy infrastructure, rational use of energy, energy policies and regulations, and energy-environment interface. The programme exhibits its uniqueness, fostering the much sought-after leadership skills through the management energy courses. Thus, the internship

training at each year as a part of the programme enables the students to tackle practical problems of design, development, deployment in the industry, and to pursue academics as well as to become frontiers of research. The objective of the programme is to provide specialist manpower to meet the challenges of the energy sector.

The curriculum includes general education components like Physics, Chemistry, Computer Science and Electronics and the skill-based subjects like Solar Photovoltaic Technologies and System, Solar Thermal Technology, Bio Mass Systems, Wind Energy Systems, Smart Grids, Green Buildings and entrepreneurship activities apart from industrial internships in selected areas.

SCOPE

Renewable energy contributes to energy supply reserves and the environment. India is fortunate to have numerous non-conventional energy resources including solar, hydro, wind, wave, and tidal hydro-electric energy. Development must, however, occur with proper attention to the technical, economic and operational constraints associated with increase in penetration of such technology. The renewable energy programme will mould students with technical expertise and commitment to energy conservation.

OBJECTIVES

In view of the current climate change and scarcity of fossil fuels, the field of energy management offers significant challenges and opportunities. Bachelor of Vocation in Renewable Energy Technology And Management is a three year degree program affiliated to MG University which focuses on moulding experts in renewable and sustainable energy

sector. The objective of the programme is to provide specialist manpower to meet the challenges of the energy sector.

Our Team

Nodal Officer

Dr.Minu Susan Koshy

Faculty Members

Ms.Namitha S

Ms. Arya M.L

Ms.Bridgette

Ms.Siny P

ACTIVITIES AND ACHIEVEMENTS

- A Solar Lamp-making Workshop was conducted in October 2019, in association with the Dept. of Physics as part of the Student Solar Ambassador Programme, an initiative of IIT Bombay. The workshop was conducted under the auspices of the Energy Conservation Society, Kerala.
- Students of B.Voc Renewable Energy Technology and Management attended the Green Expo, KREEPA at Bolgatty Palace, Kochi, in November 2019.
- Students visited Sreekandeswaram Higher Secondary School, Cherthala, to provide training in Solar Study Lamp Assembly in November 2019.
- Atheena (B.Voc Renewable Energy Technology and Management) was selected for the second level of ‘Speak for India Debate Competition’ jointly conducted by Federal Bank and Mathrubhumi.

HIGHLIGHTS OF THE COURSE

- Regular industrial visits and interaction with experts
- Industry-exposure and readiness
- Real-time training in solar equipment installation
- Summer internships
- Placement services