UNIVERSITY of TECHNOLOGY, MAURITIUS

School of Innovative Technologies and Engineering (SITE)

MSc (Eng) Renewable Energy

Unleashing the RE Revolution | **Department of Industrial Systems Engineering**

MSc in Engineering Renewable Energy

Renewable Energy (RE) represents the solution to increasing energy demands of growing populations & developing societies. In its fight against unprecedented climate crisis & the crucial challenge of reducing the use of fossil fuels, Mauritius has set a target to achieve 60% of RE production in the national energy mix while phasing out use of coal by 2030 to abate greenhouse gas emissions.

Green jobs are to be viewed as the harbinger of wider sustainable economic growth whereby RE technologies are on the brink of creating a '***new industrial revolution***', which will unleash a wave of innovation to transform the economy, environment and quality of life.

This programme, the first of its kind in Mauritius and Africa, has been developed in consultation with leading organisations in Energy & RE Sector in Mauritius and abroad and the state-of-the-art content is tailored to the current needs of these industries.

Career Prospects

Design, Installation, Operation & Maintenance of RE (Grid-Connected, Stand-Alone & Hybrid) Systems, Electric Vehicle RE Charging Systems, Energy Efficiency & Auditing, Standards & Policy Management, Project Management, Building Services and Maintenance, Consultancies, Education & Training and RE-related Research.

Programme Director:
Mr. Mirnal Mungra, *RPEM, CEA, ICEng*
✉ **mmungra@utm.ac.mu**

Programme Structure

Level 1 Semester 1
MRE5101C Power Engineering for RE
MRE5102C Renewable Energy Technologies
MRE5103C Principles of Sustainability
MRE5104C Photovoltaics

Level 1 Semester 2
MRE5105C Engineering Research Methods
MRE5206C Energy Efficiency Management
MRE5207C Economics of Renewable Energy
MRE5208C Wind Energy Technology

Level 2 Semester 1
MRE5209C Life Cycle Engineering
MRE5310C Photovoltaics Systems Design
MRE5011C Dissertation

Level 2 Semester 2
MRE5311C Renewable Energy Policy
MRE5312C Entrepreneurship in Engineering
MRE5011C Dissertation

New Programme - Open to Mauritian & International Students

Entry Requirements:

- A recognised BEng in Electrical, Electronics, Mechanical, Mechatronics, Chemical & Environmental, Telecommunication or equivalent acceptable to UTM.
- A recognised BSc/BTech, with 3 years of professional experience in relevant disciplines such as photovoltaics, renewable energy & related fields.
- Applicants having qualifications other than above Entry Requirements & mature applicants having a strong background of relevant work experience, but with limited qualifications may also be considered according to APL/APEL policy of UTM.

Duration: 2 years (Part-time)
Mode of Delivery: Blended (Online/Face to Face)
Cost of Study: www.utm.ac.mu/fees

Application for October 2023 Intake: Click Here

Closing Date: 16 September 2023