

7.2.4 Plan to reduce energy consumption

Energy consumption was and is still a major interest to our university, and there are various plans in progress to enhance the efficiency of our systems and upgrade it. The following are few strategies we implemented to reduce energy consumption.:

1. Energy Efficiency Upgrades in various aspects

- Switch to LED light bulbs to reduce consumption by at least 50% and with longer lifespan.
- Effective Lighting Systems: Corridors of most buildings have glass roofs which reduces the use of electricity during the day for lighting the corridors.



- HVAC Optimisation: All heating, ventilation, and air conditioning (HVAC) systems are optimised using thermostats to optimise heating and cooling and can be controlled centrally to ensure after work all HVAC is placed on standby mode.

2. The use of Green Renewable Solar Energy

- **Solar Panels:** Install solar panels on campus buildings to generate renewable energy on-site. With almost 100% of our total energy used for campus electricity from renewable resources.

3. Behavioural Change and Awareness Campaigns

- On annual basis the engineering department run small workshops for new students to promote energy efficiency practices.
- There are instructions for all staff on how to be energy conscious (turn the light off after you leave the office or class, put your computer on screen saver mode, all equipment to be turned off if not in use...etc) and that is monitored through the security guards on a daily basis.

4. Transportation and Mobility Solutions

- **Encourage Low-Carbon Commuting:** Provide incentives for walking, biking, carpooling, or using public transportation to reduce the need for campus-related travel energy.
- **Electric Vehicle (EV) Charging Stations:** Install EV charging stations and encourage the use of electric vehicles or electric campus shuttles.