

SDG 7

7.2.1. Energy-efficient renovation and building



1-LED l lamps

2- Energy Efficient fan



3-LED bulb



3- Energy Efficient Air Condition

Example of Energy Efficient Appliances: LED lighting lamps, bulbs , fans and air conditions

All parts of the UOS are using the energy efficient appliances to save the energy for example, insulation, LED lighting and the deployment of sustainable technology. The reason of that because our electricity in unstable and bad.

Appliance	Total Number	Total number energy efficient applications	
LED Lamp	1176	1176	100%
LED bulbs	1923	1923	100%
Fan (ceiling and wall)	683	683	100%
Air condition	300		
		Average Percentage	100%

Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies



1-Natural ventilation



2- Full natural daylighting



3- Existence of a building energy manager



4- Natural building materials

- 1- Many of UOS buildings have big windows and doors faced the north direction which considers the best direction that very nice wind comes from, with windows in the opposite direction. This provides a passage for air currents that provide natural ventilation.
- 2- Most of UOS buildings have big windows handy controlled with 100% transparency glass that provide a natural daylighting.
- 3- All UOS faculties have the building energy manager which is a part of the maintenance and service department.
- 4- Most of UOS buildings made of natural materials like bricks and wood.