



PONNAIYAH RAMAJAYAM INSTITUTE OF SCIENCE & TECHNOLOGY (PRIST)

Declared as DEEMED-TO-BE-UNIVERSITY
U/s 3 of UGC Act, 1956

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

1. Solar energy

In today's world, there's a growing emphasis on harnessing green energy sources to minimize our carbon footprint and ensure a sustainable future. The Indian government is actively promoting this shift by offering subsidies, which is a step in the right direction. It's crucial that we act now to protect our planet by transitioning from fossil fuels to renewable energy options. PRIST is at the forefront of this initiative, aiming to reduce carbon emissions by sourcing 70% of our energy from solar power.

Our plan involves utilizing solar panels along with batteries to store and convert solar energy into electricity for our street lighting system. During the day, we will capture solar energy, which will be stored for use later. Based on the natural light levels in the environment, the array of LEDs will illuminate using the stored solar energy. The operation of these LEDs turning on and off will be governed by sensor inputs, ensuring efficient use of energy.

