SDG 7: Affordable and Clean Energy

Annual Report 2024–25

Annamacharya University is committed to promoting energy efficiency, renewable energy utilization and sustainable energy management. The University has undertaken initiatives to encourage the adoption of renewable energy, reduce dependence on conventional electricity sources and create awareness about energy conservation and sustainable energy technologies.

The University, continuing the infrastructure and sustainability initiatives and has implemented rooftop solar photovoltaic systems across campus buildings. A 100 kW solar PV plant on the administrative block and an additional rooftop solar installation across campus buildings, with the capacity of approximately 403 kW. These installations contribute to renewable electricity generation and reduction of conventional energy consumption. Also, the University promotes energy conservation through the use of energy-efficient electrical systems and responsible utilization of electricity in academic and administrative buildings. Solar water-heating facilities in student hostels are also documented in the institutional sustainability records. Through all the rooftop solar installation, wind energy and the energy efficient electrical systems, we seek to strengthen our contribution towards Affordable and Clean energy (SDG7).

Summary of Energy Sources:

1. Rooftop Solar installations
2. Wind Energy Installation
3. Energy efficient electrical systems
4. Solar water heating
5. LED lighting
6. Sensor based LED lights

All the above facilities are in place to contribute towards affordable and clean energy in the campus.



Rooftop Solar Installation on all the buildings in the campus



Solar installation on Main Building



100KVA Inverter and AC Box of Solar Power Plant



Solar Panels installed on the Roof Tops of Girls Hostel



Solar Panels installed on the Roof Tops of PG Block – Right Side



Solar Panels installed on the Roof Tops of PG Block – Back Side



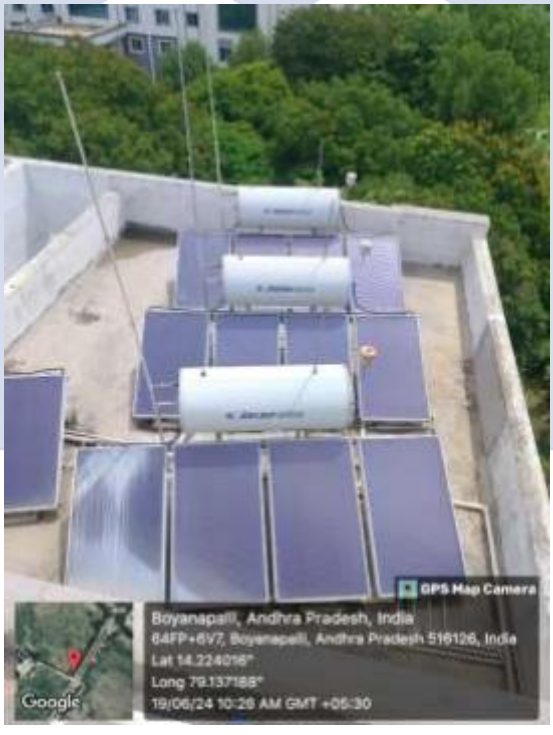
Solar street lights provided at Security office to promote sustainability, safety



Solar Panels installed on the Roof Tops of Girls Hostel for Hot water for Energy Conservation



Solar Panels installed on the Roof Tops of Girls Hostel for Hot water for Energy Conservation



Solar Panels installed on the Roof Tops of Boys Hostel for Hot water for Energy Conservation

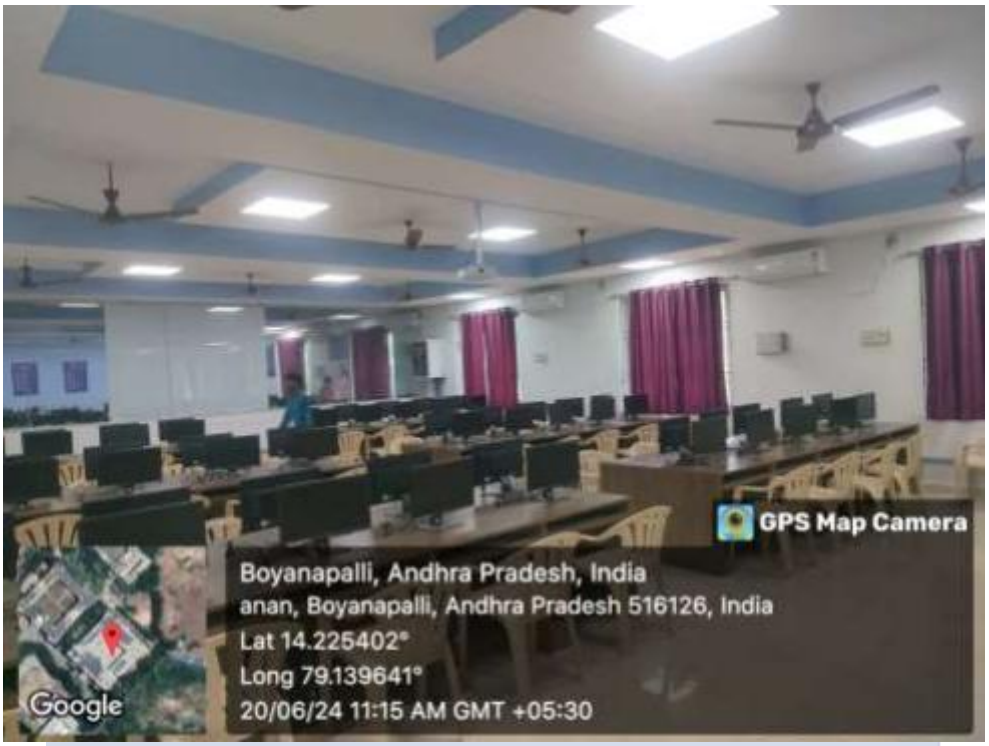




Sensor Based 30W LED lights



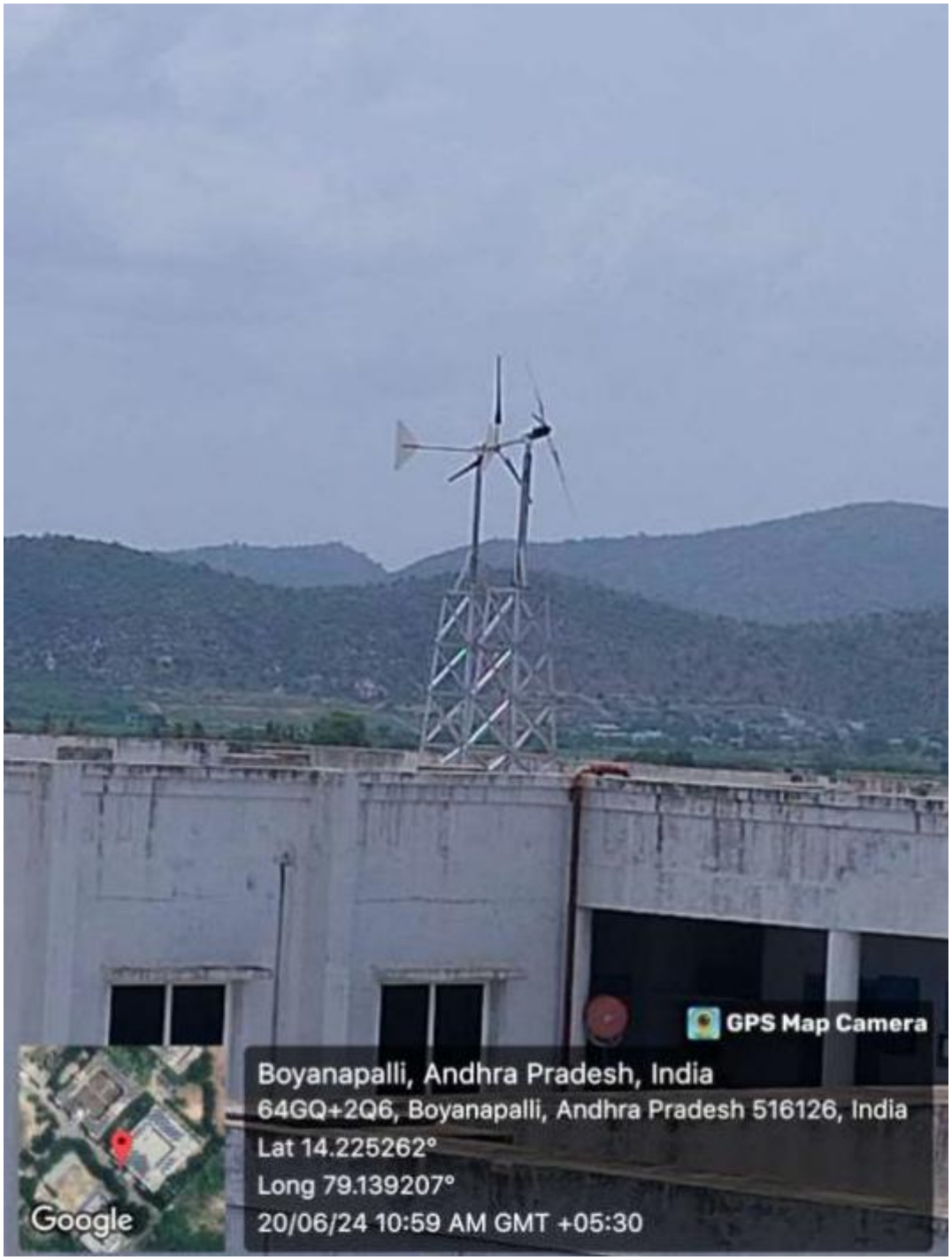
35W Led lights in Ekalavya Seminar Hall



36W Led lights in Placement Cell Computer Lab – 1



Play Grounds with Energy efficient LED lights



3Kw Wind Power Plant above the PG Block