



ADHI
COLLEGE OF ENGINEERING & TECHNOLOGY

INDUSTRIAL VISIT REPORT ON INCAMPUS FACILITY OF RENEWABLE ENERGY SOURCES AT AVIT, CHENNAI

Date of Visit: 03.08.2018

Totally **58 students of II Year EEE** of ACET visited the of renewable energy sources at AVIT Chennai. The students were accompanied by two faculty members from ACET. The facility houses **126 kW Solar power plant** and is equipped with a research laboratory.

The students group started from ACET campus at 09.30 AM and reached the AVIT campus at 10.45 AM.

Mr.Rathnakumar, Assistant Professors addressed the students in a digital conference hall and enlightened them with a welcome speech and explained about renewable and non-renewable energy sources to the students. He shared his experience in implementing the solar and wind power plant in their campus. He also explained about what the difficulties and short comings faced by them and how they overcame them while implementing the plants.

Solar Plant Visit: Students visited the 126 KW Solar power plant and learned about:

1. How the roof tops were analysed for load (load analysis)
2. Erection of plates
3. Serial and Parallel connection of solar plates (Array) as per the load voltage and current requirements to be applied.

Inverter: Then students were brought to inverter side by Mr. Rathnakumar who explained the operation of buck boost converter, inverter and data monitoring system.

Research Laboratory: The students then visited the research laboratory where students were taught how to generate electricity from solar & wind experimentally, and also showed how to conduct solar plant & wind turbine testing.

Photos:

Session by Mr.Rathnakumar



Students @ 126 KW Solar Power plant

