



Department of Physics
Central University of Tamil Nadu
Thiruvarur-610 005



Departmental Seminar

Recent Advances In Solar Thermal Technologies For Energy Harvesting

Name of the Speaker: Prof.P. Ravindran, Professor and Head,
Department of Materials Science, CUTN.

Date: 06.10.2017 **Time:** 02:30 pm

Venue: Seminar Hall (GF), Department of Physics, CUTN.

Abstract

I will present various aspects of energy issues and explain the importance of using renewable energy technologies for sustainable developments. I will explain how solar thermal technology energy cost will be cheaper than the nonrenewable and other renewable energy technologies. Quantifying the solar thermal energy and various parameters involve in solar thermal energy entering the earth will be discussed. Various solar thermal technologies currently in use to harvest energy for solar radiation will be explain in detail with examples from small flat-plate solar collector to power tower technology that can be used to harvest hundreds of mega Watt electricity. Some of the day-to-day common man use solar thermal technologies such as solar cooker, solar still, solar pond etc will also be discussed.

All are welcome