



**GOVT. PT. SHYAMACHARAN SHUKLA COLLEGE, DHARSIWA
RAIPUR, CHHATTISGARH**

Affiliated to Pt. Ravishanker Shukla University
Registered Under Section 2(F) & 12(B) of UGC Act
Accredited by NAAC with Grade-B



Value Added Course

On

“Renewable Energy and Technology”



Dr. (Smt) Vinod Sharma
(Principal/Patron)
Govt. Pt. Shyamacharan
Shukla College, Dharsiwa

**Organizing by
Department of Physics**



Prof. Sanjay Tiwari
Chief guest
Professor & Head, RETM
Pt. RSU, Raipur

Inauguration

Date – 3/12/2021

Time – 11:00 AM

(Through Google Meet)



Renewable energy- efforts for sustainability

Course Coordinator : Dr. G.Nag Bhargavi
Assist. Prof. Department of Physics

Date : 3/12/2021 To 22/12/2021

Duration : 30 Hours

Class Time : 10:15 AM to 11:15 AM

Invited Speakers are from : University, NIT's and CREDA

Short description

Energy, Industry and Environment plays a vital role for the development and economic growth of a country. The growing pressure on natural resources and also the progressive increase in emission of industrial wastes poses serious challenges for our society. Focus of the course is to equip the students with fundamentals of electronics and technologies based on renewable energy resources. Detailed expertise will be offered in Solar Energy Systems involving photovoltaic as well as Thermal Energy Systems, Wind Energy, Biomass, Geothermal, Tidal and Wave energy, along with problem associated with grid integration issues of various sources, problems and Interfacing Technologies.

Objectives

- To develop employability skills of students.
- To create a pool of technically trained manpower readily available for recruitment to the State, Central and Private Power Utilities and allied Industries.
- To develop awareness about renewable Energy Sources and technologies.
- Adequate inputs on a variety of issues in harnessing renewable Energy.
- The students are expected to identify the new methodologies / technologies for effective utilization of renewable energy sources.

Learning outcomes

- To make students aware of basic concepts of environmental studies.
- Ability to acquire knowledge about solar energy.
- Ability to understand basics about biomass energy.
- Ability to create awareness about renewable Energy Sources and technologies
- Applications of different renewable energy sources.

Registration Fees : 200/-