Proposal

1-Year PG Diploma Course in "Renewable Energy Technologies (PGDRET)"

The Department of Applied Physics is offering a Post Graduate Diploma Programme in "Renewable Energy Technologies (PGDRET)" under Full-Time mode to enable students with different backgrounds to understand the important aspects of renewable energy technologies. Students will be exposed to the status of energy resources, its interaction with environment, different renewable energy sources, materials, techniques and technologies for energy generation and energy conservation along with the economic aspects of renewable energy based power generation. The objective of the course is to provide specialist manpower to meet the challenges of the renewable energy sector.

Course Structure

Semester-I

S.No	Course Name	Course Code	Credits
1.	Renewable Energy and Environment	PH431	4
2.	Sources of Renewable Energy	PH433	4
3.	Renewable Energy Policies and Planning	PH435	4
4.	Introduction to Basic Engineering Principles	PH437	3
5.	Materials for Renewable Energy	PH439	3
6.	Renewable Energy Laboratory	PH441	2
7.	Seminar*	PH443	2
Total Credits			**22**

Semester-II

S.No	Course Name	Course Code	Credits
1.	Solar PV Technologies	PH432	4
2.	Solar Thermal Technologies	PH434	3
3.	Wind, Hydro and other Energy Technologies	PH436	3
4.	Energy Conservation and Management	PH438	4
5.	Project	PH440	8
Total Credits			**22**

*Field Visit/Industrial training will be planned in between the semester and the students will give presentation after the visit in the Seminar Course.

Credits Requirements: 44

Eligibility: Science or Engineering Graduate from a recognized University/Institute. Students appearing for their final graduation exam may also apply.

Proposed Fee: Rs. 30,500 per semester