

Skill Courses on Renewable Energy

Application & Practices

Type: Certificate & Diploma Courses

About:

Green job opportunities are making a great pace as compared to traditional jobs. Diploma and Certificate course in Renewable Energy offered by Parishkar College of Global Excellence, are first of its kind in the State, which aims to impart & institutionalize the renewable energy education & training to meet the requirement of qualified & trained manpower. This course will impart quality education in the area. Both programs aim to produce professionals who are competent to design install, operate, repair, and maintain variety of Solar Power systems for meeting the domestic, industrial, and utility scale requirements. These two programs will ensure a very fulfilling and promising career. The program prepares the students to become competent and skillful in the field of Renewable Energy as professional human resources & promising entrepreneur.



Outcome:

- Developing the knowledge and skills to analyses and to undertake feasibility study related to the use of Renewable Energy systems in different sectors and services.
- Be trained and skillfully equipped for multiple skill sets under the domain of Renewable Energy technology.
- Be able to become successful entrepreneurs along with a deeper understanding of marketing of R.E. products by way of identifying the key challenges in the Renewable Energy sector and be able to convert it into the opportunities.

Learning Methodology:

Classroom lectures by faculty & industry experts, practical at lab & actual site & installation & industry visit, training at industries, technical institutions, online & simulation method.

Online Training & Simulation Practical.



Associated Institution:

(1) Skill council for green jobs, New Delhi



(2) Rajasthan solar association, Jaipur



Course Coordinator:

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**CENTER FOR ADVANCE ENERGY STUDIES
PARISHKAR COLLEGE OF GLOBAL EXCELLENCE
(AUTONOMOUS) JAIPUR, RAJASTHAN**



Syllabus

of

Renewable Energy Applications & Practices

Skill Certificate & Diploma Courses

for

B.Sc. Students

(2022-23)

CENTER FOR ADVANCE ENERGY STUDIES
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Teaching & Examination Scheme

For Skill Certificate in Renewable Energy Application &
Practices

Semester-I

Subject Code	Subject Name	Teaching Hours		Marks	Credit
		Theory	Practical		
RE-01	Basic Electrical Engineering	15	0	25	01
RE-03	Basic Electrical Engineering Lab	0	30	25	01
RE-06	Energy Storage Lab	0	30	25	01

Semester-II

Subject Code	Subject Name	Teaching Hours		Marks	Credit
		Theory	Practical		
RE-02	Solar Energy Applications	15	0	25	01
RE-04	Solar Photovoltaic Lab	0	30	25	01
RE-05	Renewable Energy Instrumentation Application Lab	0	30	25	01
RE-07	Entrepreneurship & Start-Ups	15	0	25	01

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Teaching & Examination Scheme

For Skill Diploma in Renewable Energy Application &
Practices

Semester-III

Subject Code	Subject Name	Teaching Hours		Marks	Credit
		Theory	Practical		
RE-08	Distributed Solar Generation	15	0	25	01
RE-09	Energy Conservation & Audit Lab	0	30	25	01
RE-10	IT Solutions for Design & Sales of Renewable Energy Products- Lab	0	30	25	01

Semester-IV

Subject Code	Subject Name	Teaching Hours		Marks	Credit
		Theory	Practical		
RE-11	Renewable Energy Technologies	15	0	25	1
RE-12	Project Management- Lab/Assignment	0	30	25	1
RE-13	Solar Thermal	15	0	25	1
RE-14	Policies & Marketing of R.E Products	15	0	25	1