



B.Voc. in Renewable Energy Technology & Management Brochure



**Institute of Renewable Energy
Technology & Management**
Pt. Ravishankar Shukla University

Institute of RETM

Year of Establishment - 2015

Under the Skill Development Mission of the Government of India, the Institute of Renewable Energy Technology and Management is the first and only such institute in Central India, in which studies about solar, wind, biomass, geothermal and other renewable energy sources, its generation & utilization is covered. Pt. Ravi Shankar Shukla University is one of the only few institutions of higher education in the country which offers graduate courses in Renewable Energy Technology approved by the All India Council for Technical Education and the University Grants Commission. Institute of Renewable Energy Technology & Management covers diverse issue of solar, wind, biomass, geothermal and other renewable sources. Institute provides three year degree program named "Bachelor of Vocation" (B.Voc) with multiple entry and exit points such as Certificate/ Diploma/ Advanced Diploma under the National Skill Qualification Framework (NSQF).

NSQF LEVEL	NORMAL DURATION	EXIT POINT / AWARDS
4	One Semester	Certificate
5	Two Semester	Diploma
6	Four Semester	Advanced Diploma
7	Six Semester	B.Voc. Degree

MoU's

- Chhattisgarh State Renewable Energy Development Agency (CREDA)
- Skill Council for Green Jobs (SCGJ)
- Power Sector Skill Council (PSSC)
- International Institute of Waste Management (IIWM)
- Srijan Sanchar
- Saitech Energy Space Systems Pvt. Ltd, Bhopal

Institute of Renewable Energy Technology and Management is also allocated with 04 skill development training programme by AICTE under PMKVY-TI Scheme. Department is also funded by World Bank to impart training to utility & DISCOM engineers under

Sustainable Partnership for Rooftop Acceleration in Bharat (SUPRABHA) Technical Assistance Program. It is worth to mention that, *Pt. Ravishankar Shukla University has joined the selected band of institutions of higher education in the country by adding one of the emerging skill-based undergraduate engineering and technology courses, Diploma in Renewable Energy approved by All India Council for Technical Education and Postgraduate Diploma in Renewable Energy Technology & Management by University Grants Commission.*

Facilities

- Solar Thermal Station
- Advanced Photovoltaic Setup
- Advanced Fuel Cell
- Thermal Energy Storage System
- DC-DC, DC-AC Converters
- Set up for measurement of PV System losses
- Wind Energy Station
- Solar Concentrator System
- PV Integration Setup
- Solar Simulator
- Spectral Response Training System
- MPPT Training System

Teaching Pedagogy

- Expert Lectures
- Tutorials
- Seminars
- Educational Tours
- Assignments
- Laboratory Work
- Workshop Practice
- Industrial Training
- Project Work
- Field Work
- Live Industry Projects
- Extempore
- Current Event Analysis
- Group Discussions

Job Prospects

- Managers And Consultants
- Energy Auditors
- Renewable Energy Managers
- Carbon Finance Specialists
- Oil and Gas Industries
- Environmental Mgmt. Specialists
- GIS Analysts
- Energy Management Specialists
- Green Building Consultants
- Water-Based Industries
- Environmental Manager and so on.



Site Visit of 4.5 MW Solar on grid power plant established by SR Corporate Consultant Pvt. Ltd. at Tendukona, Mahasamund, Chhattisgarh

Distinguished Alumni

Name of Alumni	Batch	Industry/ Institute Associated	Accomplishments
S.S. Abhiram	2015-18	Ram Ratna Group (Nav-Wireless Technologies, Ahmedabad)	PIR motion sensing Universal LED dimmer (Dimmer work has got approval to sell under RR Kabel Brand and now under mass manufacturing for Business-to-consumer (B2C) Market)
Ritu Sahu			Patent Filed on LiFi Lock (Locking through LED Switching: Data is in-built using LED Switching)
S.S. Abhiram			University Topper in M.Sc. (Renewable Energy)
Ankita Sao		University of Lucknow	
Tamradhwaj Verma	2017-20	Mysolus Energy Pvt. Ltd	Running successful Start-up EPC in field of Solar PV Technology
Rakesh Verma	2018-21		

Faculties

S.No.	Name	Designation	Qualification	Area of Specialization
1	Dr. Kavita Thakur	Professor & Course Co-ordinator	Ph.D., M.Tech., B.E.	Speech & Image Signal Processing, Digital Filter Design, Micro-controller Based System Design
2	Dr. Sanjay Tiwari Ex-Coordinator (On-lien) [Since 01 st Oct. 22]	Professor	PDF, Ph.D., M.Phil., M.Sc., AMIETE	Photonics ,Solar Photovoltaic Design & Characterisation
3	Mr. Sanjeev Jain	Advisor, CREDA (Visiting Faculty)	M.Tech., B.Tech.	Mega Size Solar Power Plants, Rooftop On-Grid SPV
4	Mr. Gajendra Singh Rathore	Assistant Professor (Contract)	Ph.D. (Pursuing), M.Tech, PGDEM, B.E., UGC-NET (Electronic Science)	Solar PV Technology, Energy Auditing, Charge Controllers
5	Dr. Swati Sahu	Guest Faculty	Ph.D., M.Tech., M.Sc.	Dye-Sensitized Solar Cells
6	Dr. Basumati Nadig	Guest Faculty	Ph.D., MA	Communication Skill
7	Dr. Aparna Yadu	Guest Faculty	Ph.D., M.Tech	Project Proposal Writing & Management,
8	Dr. Manisha Shrivastava	Guest Faculty	Ph.D., M.Sc.	Mathematics
9	Mr. Ankur Shrivastava	Guest Faculty	M.Tech, B.Tech.	Rooftop Solar PV Installation
10	Mrs. S. Srividhya	Guest Faculty	M.Tech, B.Tech.	Energy & Environment
11	Ms. Aayushi Sharma	Guest Faculty	M.Tech, B.Tech.	Renewable Energy, Energy Technology
12	Ms. Ankita Sao	Guest Faculty	M.Sc., B.Voc. RETM	Renewable Energy
13	Mr. Gaurav Sonkar	Guest Faculty	M.Tech, B.Tech.	Energy System
14	Ms. Preeti Nema	Guest Faculty	M.Tech., B.E.	Electrical System, Power Systems
15	Mr. Ravi Tiwari	Guest Faculty	M.Tech, B.Tech.	Solar Thermal Systems
16	Mr. Yagya Kumar Sahu	Guest Faculty	M.Tech, B.Tech.	Engineering Drawing
17	Mrs. Latika Singh	Guest Faculty	DIT, AMIE	Computer Science
18	Ms. Kusum Sonkar	Guest Faculty	M.Sc., B.Voc. RETM	Renewable Energy

Model Exhibition



Hon'ble CM of Chhattisgarh Shri Bhupesh Baghel in conversation with Prof. Sanjay Tiwari, Coordinator, Institute of RETM during exhibition in State Foundation Festival – 2021

Specialties

- World Bank funded Rooftop Solar PV Training Centre.
- State of art Renewable Energy Based Lab Facility, Well Equipped Computer Lab.
- 06 Months Live Projects for Final Semester Students.
- Regular Field Trainings & Industrial Visits, Lectures of Industry-Academia Experts.
- Collaboration with 05+ Government Organization
- Industry Oriented Curriculum.

Institute of RETM provides admission in B.Voc. Programme (50 seats) to students who qualified Senior Secondary School Certificate (10+2) from a recognized board. For more details about programme you may contact Dr. Kavita Thakur, Coordinator, Institute of RETM (9926801119), Mr. G.S. Rathore (9827966082), Mrs. Ritu Joshi (6260545998) or Mr. Ankur Shrivastava (9424223743).



STUDENT SOLAR AMBASSADOR





For More Information:

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http://www.prsu.ac.in/BVoc_Objective_Programme.aspx