INFORMATION BROCHURE

For Admission

to

Master of Technology (M. Tech) Programmes

- **M. Tech - Energy Technology**
- **M. Tech - Energy & Environmental Engineering**

DTE Counselling Academic Year 2025-26

SCHOOL OF ENERGY & ENVIRONMENT MANAGEMENT

RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, M.P.

(State Technological University of Madhya Pradesh)

Airport Road, Bhopal, M.P.- 462033

www.rgpv.ac.in

School of Energy & Environment Management

University Teaching Department (UTD)

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal, M.P.

(State Technological University of Madhya Pradesh)

College Level Counselling Schedule

Registration Dates: 07/08/2025 To 14/08/2025

Reporting at the Institution on: 11/08/2025 and 14/08/2025

Prior registration is mandatory on DTE portal: http://dte.mponline.gov.in

POST GRADUATE PROGRAM IN ENGINEERING AND TECHNOLOGY:

(Approved by AICTE, New Delhi)

- **M.Tech - Energy Technology**
- **M.Tech - Energy & Environmental Engineering**

ELIGIBILITY CRITERIA:

A candidate seeking admission to M.E./M.Tech. Courses should be a Graduate in Relevant field of Engg./Technology with at least 50% marks, 45% marks in case of Candidates belonging to SC/ST/OBC (excluding creamy layer) categories of Madhya Pradesh. Bachelor's degree should be of minimum of four years' duration should have been obtained from any AICTE approved institution or Indian University or from a foreign University recognized by Association of Indian Universities (AIU) or institute recognized by the AIU or any Institutes of national importance (i.e. IITs/IISc/ NITs etc.), duly recognized by the MHRD, as equivalent thereto.

Preference is given to **GATE** qualified candidates based on merit. **Scholarships** are provided to **SC/ST/OBC candidates** as per state government norms. Reservation for Economical weaker section **(EWS) candidates** of as per Madhya Pradesh government norms.

ADMISSION PROCESS:

Candidates are required to visit the Admission Portal of the Directorate of Technical Education (DTE), Government of Madhya Pradesh (GoMP), **for registration and counselling details.**

FOR ANY QUERIES CONTACT ON:

Mobile Nos.: 9893062119, 8319340534, 9424485343

Email: head_soeem@rgpv.ac.in

THE UNIVERSITY:

The Rajiv Gandhi Proudyogiki Vishwavidyalaya (RGPV), Bhopal has been established by the Government of Madhya Pradesh vide act no. 13 of 1998 of the Legislative Assembly. Over a sprawling Campus of about 247 acres, the RGPV is marching towards development into a centre of excellence in the arena of Technical Education, Research, and Innovations. Under its umbrella, there are 07 UTD's, 200 plus affiliated Engineering, Pharmacy, MCA and Architecture Colleges across the state of M.P.

THE INSTITUTE:

The School of Energy & Environment Management (SoEEM), RGPV is an autonomous university teaching department (UTD) of Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal. It aims to develop a talent pool of postgraduates focused on cutting-edge research and innovation in Clean and Green Energy Technologies and Environmental Sustainability. The courses offered cover a wide range of topics, including Renewable Energy, Bio-fuels, Biodiesel, Green Hydrogen, Climate Change Mitigation Technologies, Carbon Capture Utilization & Sequestration (CCUS), E-mobility, Air Pollution Control Technologies, Waste Management, Energy Conservation and Audit, Environmental Audit and Impact Assessment, and Environmental Sustainability and Governance (ESG).

SoEEM's laboratories and Energy Park are equipped with state-of-the-art research facilities for practical experience in areas such as Solar and Wind Energy, Biomass, Biodiesel, Carbon Capture and Storage (CCS), Air and Water Quality Monitoring, and Hybrid Electric Vehicles. The institute has established international and national collaborations with industries, government institutions, and departments working in relevant sectors. Additionally, SoEEM regularly organize national and state-level training programs for faculty members, research scholars and students.

R&D Projects (Ongoing & Completed):-

- Development of a Downdraft Gasifier for Enhancement of Efficiency in the use of Moist Agriculture Waste". Funded under the RPS Scheme of AICTE, New Delhi.
- Process Stabilization, Evaluation & Analysis of CO2 capture and its conversion into fuel molecules CO, H_2 using pilot plant of CO_2 capture and sequestration at RGPV. Funding Agency Department of Science & Technology, (DST), New Delhi, under National Program on Carbon Sequestration.
- 30kW CL-CSP system test unit at RGPV Bhopal. Funded by MNRE, GoI, New Delhi.
- An Investigation of Operating Parameters of wind Power Generation for optimum performance of the Unit. Funded by M.P. council of Science & Technology, Bhopal
- Design & Development of Electric Solar Rickshaw by conversion of E rickshaw. Funding Agency TEQIP-III (NPIU) RGPV, Bhopal.
- Technology Incubation of Electric Generation Utilizing High-Efficiency Thermo-Electric Devices on Space Heating Furnace. Funding Agency TEQIP-III (NPIU) RGPV, Bhopal.
- Performance evaluation of downdraft gasifier installed in RGPV campus using different biomass briquettes for electricity generation. Funded under the RPS Scheme of AICTE, New Delhi.

CAREER OPPORTUNITIES:

The knowledge and skills gained by students in the program will provide them with strong career prospects. They will find employability in both current and emerging areas, such as energy systems, environmental monitoring and control, sensor instrumentation, and smart and green building technologies. Career opportunities span various sectors, including government agencies, electric companies, power grid enterprises, the building and construction industry, consulting firms, environmental organizations, renewable technology companies, and the vehicle industry. Additionally, students have the option to pursue doctoral studies in their specialized areas of interest, either in India or abroad.

MAJOR RESEARCH FACILITIES/EQUIPMENT:

- Biomass Gasifier 10kWe
- Biodiesel Reactor -100 LPD & 10 LPD
- Sun Tracker 15 GHz VNA Master Combination with Vector Voltmeter
- Ultra Sonic Wind Anemometer with data logger Geo Signal Analyzer
- Solar PV Experimental Kit
- Solar Thermal Experimental Kit
- Solar Concentrator Training System
- Solar PV Grid Tied Training System
- Solar Power Meter Analyzer and Data Logger
- Vertical Axis Wind Turbine
- 1.6 kW Solar Wind Hybrid System
- CO_2 Sequestration Unit
- Alternators, Controls and SCADA system
- 30 kWt Thermal Cross Linear Concentrated Solar Power
- Hydro Turbine Testing Rig
- Waste Management Facility
- Water & Air Quality Parameter Testing Equipment
- Combustion Gas Analyzer
- Weather Monitoring Station
- Climatology Lab
- Satellite Based Automatic Weather Station (ISRO)


SCHOOL OF ENERGY & ENVIRONMENT


RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL
RGPV
ESTD-1998


PILOT PLANT
For
CO2 Absorption & Its
Conversion
Into
Hydrogen, Methane &
Biodiesel