



श्री माता वैष्णो देवी विश्वविद्यालय


SHRI MATA VAISHNO DEVI UNIVERSITY


SCHOOL BOOKLET

School of Electrical Engineering

Faculty of Engineering

 www.smvdu.ac.in

 hod.dee@smvdu.ac.in

 C-BLOCK, SMVDU
Kakryal, Katra - 182320

 World University Rankings 2024

Young University 201-250

Asia University 251-300

World University 801-1000

 INDIA RANKINGS 2024

Architecture 31

State Public Universities 51-100

Engineering 151-200

OVERVIEW

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ABOUT OUR SCHOOL

Electrical Engineering is a vibrant and innovative discipline that is integral to every facet of modern life. It harnesses the power of electricity, from micro-scale circuits to macro-scale power grids, to energize our world. Electrical engineers design, develop, test, and supervise the manufacturing of electrical equipment, such as electric motors, radar and navigation systems, communications systems, and power generation equipment.

In this dynamic era, the field is evolving beyond traditional boundaries, encompassing areas like renewable energy systems, electric vehicles, smart grids, and IoT.

This course provides a comprehensive understanding of electrical principles while fostering creativity and problem-solving skills, empowering students to illuminate the world with cutting-edge electrical solutions.



VISION

Advancement of electrical engineering academics, research and development within and in close collaboration with industry, society and leading institutions while developing visionaries who can create a better society with a passion for technology.



MISSION

- 01** To impart program-oriented knowledge in Electrical Engineering required for solving engineering problems so as to comprehend, analyze design and create novel products and solutions for the country
- 02** Provide opportunities at individual level for developing a professional with an ability to apply his/her knowledge and skills for the advancement of society in Electrical Engineering.
- 03** To address technological requirements of society through the inventions in Electrical Engineering and interdisciplinary research

PROGRAMMES OFFERED



B.TECH (4YEARS)

The B.Tech program provides a strong foundation in electrical systems, and opportunities at individual level for developing a professional with an ability to apply his/her knowledge and skills for the advancement of society in Electrical Engineering.

B.TECH LATERAL ENTRY (3YEARS)

The B.Tech Lateral Entry program offers a fast-track route for diploma and B.Sc. holders, focusing on advanced engineering concepts and practical skills.

LAB INFRASTRUCTURE

- Tinkering Lab.
- Electrical Machines Lab.
- Instrumentation & Control Engineering Lab.
- Control Systems Engineering Lab.
- Project Lab.
- Power System Simulation Lab.
- Electrical Workshop Practice Lab.
- CEINC Lab
- Antenna Lab

SOEE MILESTONES



2018 School Establishment

In 2018, The School was established to provide students with comprehensive training in electrical, preparing them to meet the demands of the global industrial market.



2023 ENVINCIBLE

In 2023, The annual technical festival, ENVINCIBLE was started that showcases student projects, workshops, and competitions, promoting innovation and technical skills.



2023 The SAE SMVDU Club

Welcome to the SAE SMVDU Club, the official student chapter of the Society of Automotive Engineers (SAE) at Shri Mata Vaishno Devi University. Our club is a hub for automotive enthusiasts, engineers, and innovators, providing a platform to explore the fascinating world of automotive design, engineering, and technology.



2024 Robotics Club

In 2024, The Robotics Club under SoEE aims to foster innovation and hands-on learning in robotics and automation. The club provides a platform for students to explore robotics design, programming, IoT, AI, and embedded systems through workshops, projects, and competitions. Open to all enthusiasts, the club promotes teamwork and technical excellence, empowering students to turn ideas into reality and lead advancements in technology.

STUDENT LIFE



Diverse Students

Our school prides itself on its diverse student population, with students from over 14 states/UT, creating a vibrant and multicultural community. This diversity enriches the learning experience and encourages cross-cultural friendships.



Extracurricular Activities

Our students actively engage in various extracurricular activities, including sports, arts clubs, workshops etc.



Community Service

Our students are committed to giving back to the community. They actively participate in various community service projects like NSS, NCC etc. volunteering their time and skills to make a positive impact locally and globally.



Global Perspective

We encourage students to embrace a global perspective through cultural exchange programs, international partnerships, and educational trips. These experiences broaden their horizons and prepare them for an interconnected world.



Academic Excellence

School of EE at SMVDU places a strong emphasis on academic excellence. Our students are dedicated to their studies and many of them achieve high honors and go on to attend prestigious universities/ Industries.

Our Faculty



**Dr. Kumud
Ranjan Jha**

**Professor &
HOD**



**Dr.
Tirumalasetty
Chiranjeevi**

**Associate
Professor**

Qualification

- Post-Doctorate: San Diego State University, CA, USA
- Ph.D.

Research Supervision

- Ph.D. Students Supervised
- Master's Thesis Advisor

Patents

VLRECONFIGURABLE FREQUENCY SELECTIVE SURFACE, Indian Patent (Published) No. 202011008419 A, Issue No. 36/2021. Present Status: Reply to FER Submitted on 31st Dec. 2022.

Qualification

- Ph.D.
- M.Tech in Control & Instrumentation Engineering

Administrative Experience

- eputy Controller of Examination – Rajkiya Engineering College Sonbhadra.
- O/C Electrical Maintenance – Rajkiya Engineering College Sonbhadra

Specializations

Optimal Control
Control &
Instrumentation



**Dr.
Jatinkumar
Soni**

**Assistant
Professor**



**Dr.
Ankireddy
Narendra**

**Assistant
Professor**

Qualification

M.E Ph.D.

Research Interests

- Power system optimization, Power system operation and control, optimization technique and hydro-thermal scheduling problems.

Specializations

Electrical Power
System

Qualification

Ph.D.

Research Supervision

- Master's Thesis Advisor – OP Jindal University, Raigarh (2022–2024)
- Mentored 02 Master's students in Power Electronics and Power Systems research.

Specializations

Power Electronics and
Drives
Power Systems and
Automation

Our Faculties :



**Dr.
Kamaldeep**

**Assistant
Professor**

Qualification

M.Tech., Ph.D.

Research Interests

- Multilevel Inverter, Renewable Sources, FACTS Devices



**Mr. Akash
Deep**

**Assistant
Professor**

Qualification

B.E , M.E

Research Interests

- Hardware-in-the-Loop Testing for Automatic Voltage Regulator to test the functionality of a Genset Controller

Specializations

Electrical Power Systems



**Dr. Prabhu
Omer**

**Assistant
Professor**

Qualification

M.E, Ph.D.

Research Interests

- “Solar PV integration with hybrid multilevel inverter for efficient standalone system”, Funding agency – AICTE under TEQIP-3

Specializations

Integration of Solar PV and Multilevel Inverters, Power Electronics and Drives,



**Mr. Shubham
Chib**

**Assistant
Professor**

Qualification

M.Tech

Research Interests

- Condition Monitoring of Power Apparatus

SOEE

TRAINING & PLACEMENT

COMMITTEE



Mr. Akash Deep
Coordinator
Training & Placement Committee
Assistant Professor
akash.deep@smvdu.ac.in

COORDINATOR'S MESSAGE

At the Training & Placement (T&P) Cell, our mission is to bridge the gap between academia and industry, ensuring that students are well-prepared for their professional journeys. We take pride in organizing soft skills training, industry visits, field trips, summer internships, and placement drives, equipping students with the necessary skills and exposure to excel in their careers.

Through close coordination with the Training & Placement Office (TPO) and Student Coordinators, we strive to create a seamless placement process, providing students with opportunities in leading organizations. Additionally, we actively document and showcase the achievements of our students and faculty, highlighting their excellence and contributions.

Our commitment remains steadfast in guiding and supporting students as they take the next step in their professional aspirations. We look forward to another successful year of placements and industry collaborations.

KEY FEATURES

- SOFT SKILLS CLASSES
- INDUSTRY VISITS
- SUMMER TRAINING
- INTERNSHIPS
- FIELD VISITS



TRAINING & PLACEMENT COMMITTEE

Building a strong foundation is essential for achieving excellence. The Training & Placement Committee of School of Electrical Engineering at Shri Mata Vaishno Devi University, plays a vital role in ensuring students are thoroughly prepared to excel in the competitive job market. The team bridges the gap between academic learning and professional expectations through targeted training, strategic guidance and unwavering support.

KEY ACTIVITIES AND SERVICES

- RESUME BUILDING AND REVIEW
- INTERVIEW PREPARATION
- SKILL DEVELOPMENT
- NETWORKING OPPORTUNITIES
- COMPANY RESEARCH AND INSIGHTS
- COORDINATION OF PLACEMENT DRIVES
- WORKSHOPS AND SEMINARS
- APTITUDE AND ASSESSMENT PREPARATION
- PERSONALIZED CAREER COUNSELING



COMMITMENT

The Training & Placement Committee fosters a supportive and empowering environment, ensuring every student is thoroughly prepared to excel in their career path. Collaborating closely with the Placement Committee, the team guarantees that recruiters engage with the most well-prepared and capable candidates, reinforcing School of Electrical Engineering at Shri Mata Vaishno Devi University's reputation for producing exceptional talent.

OUR RECRUITERS





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SHRI MATA VAISHNO DEVI UNIVERSITY

Sub-Post Office, Katra, Jammu and Kashmir 182320

www.smvdu.ac.in

School of Mechanical Engineering

Design Team

Mr. Deepankur Gupta , LA, SoECE
Mr. Devesh Pratap Singh Chauhan, 4th Year, SoECE
Mr. Utsav Manideep, 3rd Year, SoECE
Ankit Vashisht, 2nd Year, SoECE