



Faculty Development Program on Research Pedagogy and Supervisory Training

Organised by:

Department of Environmental Science and Engineering,
SRM University AP

Last date of registration
Nov. 9, 2025

Mode: Online

Nov. 10, 2025 to Dec. 06, 2025

CONVENER

Dr Pankaj Pathak

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RESOURCE PERSONS

Dr Pankaj Pathak, SRM University AP, Andhra Pradesh
Dr Deepak Mashru, National Forensic Sciences University, Gujarat
Dr Vinay K. Singh, The Maharaja Sayajirao University of Baroda, Gujarat
Dr Rangabhashyam Selvesam, SRM University AP, Andhra Pradesh
Dr Priyanka Singh, SRM University AP, Andhra Pradesh

About SRM University, AP

SRM University-AP, Andhra Pradesh is a multi-disciplinary research intensive a deemed university affiliated by University Grant Commission (under Department of Higher Education, Ministry of Education, Government of India). It is located in Amaravati, Andhra Pradesh, is a pioneering institution committed to academic excellence, innovation, and global engagement. Established with a vision to transform education through interdisciplinary learning and cutting-edge research, the university offers a vibrant ecosystem for students and scholars across science, engineering, liberal arts, and management. With world-class infrastructure, international collaborations, and a dynamic faculty, SRM AP fosters a culture of inquiry, creativity, and entrepreneurship. The campus is designed to support holistic development, featuring advanced laboratories, innovation hubs, and sustainable architecture. SRM University-AP is rapidly emerging as a hub for transformative education and research in India, empowering learners to become global leaders and change-makers. Its emphasis on experiential learning, digital integration, and societal impact makes it an ideal destination for forward-thinking academic programs like the Faculty Development Program on Research Pedagogy and Supervisory Training.

About Department of Environmental Science and Engineering

The Department of Environmental Science and Engineering, SRM University-AP is one of the leading department under the School of Engineering and Sciences in both teaching & research. It is a multidisciplinary in nature with diverse faculty from a spectrum of specializations of global importance and aligned with United Nations Development Goals (UNSDGs).

About The Faculty Development Program

This course is designed to update educator and researchers on research pedagogy and supervisory training for science and technology from the fundamental and advance level. The program contains applied linguistics in teaching and research for addressing research-based teaching on doctoral supervision, feedback-based analysis; rubric practicing for student guidance on educational and research development; impending to outcome-based learning; individual study plan and development of design of experiment; addressing gender, cultural, and knowledge disbalance and gap between technology, student supervision as a teaching method; research-based education to create new generation scientific workforce; feedback, planning, implementation, and of supervision; use of rubrics reflect on supervisory practices together with outcome-based learning in collaboration with peers and third-cycle doctoral students.

Assessment mode:

Active participation, Written assignments, Capstone Project and Oral presentation (12 credits)

Who can attend: Faculty members, Postdoc, Doctoral students

Objectives

- Build core competencies in research pedagogy and supervisory ethics.
- Apply outcome-based learning strategies to student supervision.
- Integrate AI tools and experimental design into research training.
- Foster inclusive, collaborative practices across academic disciplines

Broad Areas To be Covered

- **Research Pedagogy & Applied Linguistics:** Foundations of teaching and research communication in science and technology; Pedagogical rhetoric's, models, and didactics in higher education for supervisory practice.
- **Supervisory Ethics & Practices:** Student guidance, feedback mechanisms, rubrics, and outcome-based learning strategies; Identify legal principles, ethical guidelines, course of actions, and responsibilities within third-cycle education; Evaluation of individual study plan for doctoral students.
- **Experimental Design & AI Integration:** Designing research frameworks and exploring AI applications in academic research and doctoral supervision; Independently identify and discuss relevant research to supervision and develop own formulation based on research competency, proven experience and ethical consideration
- **Inclusive Collaboration & Academic Culture:** Addressing gender, cultural, and disciplinary gaps through peer engagement and reflective supervision; Critical evaluation of supervisory roles in social, gender, and functional variations; Develop competencies for the role of principal supervisor in collaboration with co-supervisors, industrial partners, and doctoral students.

Registration Details

- SRM University Alumni (PG/Postdoc/Faculty): 1000 INR +18% GST
- National Participants (PG/Postdoc/Faculty): 1500 INR + 18% GST
- International participants (PG/Postdoc/Faculty): 8827 INR (100 USD) +18% GST

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