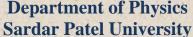


UGC – Malaviya Mission Teacher Training Centre in Support with **Department of Physics**



Vallabh Vidyanagar - 388 120 (Anand), Gujarat





Interdisciplinary Faculty Development Programme on Physics, Allied Sciences and Engineering

(05-12-2025 to 11-12-2025) (Offline Mode)



Objectives:

This Interdisciplinary Faculty Development Programme (FDP) aims to inspire the young undergraduate and postgraduate teachers by introducing various frontier areas of applied physics and enhance their understanding about the latest research in physics as well as explore exciting possibilities for the future. Eminent scientists and experienced professors will share their knowledge with the participants and enhance their understanding in various fields. Exposure to various techniques for advanced research and hands-on experience of various state-of-art equipment as well as experimental setups available in the department will be one of the main aspects of the FDP.

Objectives:

- Provide comprehensive overview of advancements in physics and engineering.
- Explore prospects and emerging trends in various subfields.
- Develop research skills of participants and encourage interdisciplinary research.

Coverage:

- 1. Recent Developments in Condensed Matter Physics
- 2. Optical Physics: Concepts and Applications
- 3. Quantum Physics and its applications
- 4. Quantum Computing and Quantum Information Science
- 5. Innovations in Material Science and Nanotechnology
- 6. Interdisciplinary Research Opportunities in Physics and Engineering

Pedagogy:

The course will be conducted in Offline Mode. The teaching methodology will be lecture oriented with practical sessions and audio-visual material. It includes Group discussions, assignments, quiz, and presentation by the participants.

Registration Details: Who can apply:

Participants should visit Website: https://hrdcspu.ac.in/ select the course from apply online and register for the course by **01/12/2025**.

Faculties from physics, allied sciences and engineering at undergraduate and postgraduate level from Central/State/Private Universities, Colleges & Educational Institutes (including Associate Professors, Assistant Professors, Adhyapak Sahayak) under section 2(F) of the UGC act or college have been affiliated to a university for at least three year are eligible. Certificate will be issued to those who have attended all the sessions and have qualified the Assessment test.

Apply



No Registration Fees

Offline Mode

The programme will be conducted in offline mode. Hence, the participants should come to Department of Physics, Sardar Patel University, Vallabh Vidyanagar – 388 120 (Anand).

Prof. J N Pandya **Course Coordinator Department of Physics Sardar Patel University** Dr. Vimal Joshi **Course Co-Coordinator** Principal, Shri R K Parikh Arts & Science College, Petlad Prof M P Deshpande **Department of Physics Sardar Patel University**

Prof. Niranjan Patel Vice Chancellor & Patron Sardar Patel University

Prof. Mitesh Jayswal **Programme Director UGC-MMTTC** Sardar Patel University Mr. Hardik A. Pandya **Technical Officer UGC-MMTTC Sardar Patel University**

For Registration Queries: jnpandya-phy@spuvvn.edu, Contact No.: 9898188998, 9427004861, 9427597979

Note:

- 1. Minimum 40 and Maximum 50 seats are allowed
- 2. Last Date for application is before date **01/12/2025** or maximum seats whichever is earlier
- 3. Accommodation will be provided to the outstation participants