



Sardar Patel University
Vallabh Vidyanagar

1.1.3 Courses having focus on employability/entrepreneurship/ skill development

M. Sc. (Physics)

PS01CPHY21	Mathematical Physics
PS01CPHY22	Atomic & Molecular spectroscopy and Statistical Mechanics
PS01CPHY23	Analog and Digital Electronics
PS01CPHY24	Practical-I
PS01CPHY25	Practical-II
PS01EPHY21	Elements of Solid State Physics and Error Analysis
PS01EPHY22	Non-Linear Dynamics, Relativity & Cosmology
PS02CPHY21	CLASSICAL AND QUANTUM MECHANICS
PS02CPHY22	THEORETICAL CONDENSED MATTER PHYSICS
PS02CPHY23	Electrodynamics
PS02CPHY54	Practical-I
PS02CPHY55	Practical-II
PS02EPHY21	Elements of Experimental Physics
PS02EPHY22	Solid State Electronics Devices & Solar Cells
PS03CPHY21	Advanced Quantum Mechanics
PS03CPHY22	Nanoscience and Thin-Film Physics
PS03EPHY21	Crystallography and Materials Science
PS03EPHY22	Magnetic and Optical Properties of Condensed Matter
PS03EPHY23	Microwave Communication: Electronics and Technology
PS03EPHY24	Microprocessors: Programming, Interfacing and Applications
PS03EPHY25	Theoretical Physics – I
PS03EPHY26	Computational Physics – I
PS03EPHY27	Solar Energy & Geothermal Energy
PS03EPHY28	Wind Energy & Ocean Energy
PS03EPHY29	Practical – I
PS03EPHY30	Practical – II
PS03EPHY31	Practical – I
PS03EPHY32	Practical – II
PS03EPHY33	Practical – I
PS03EPHY34	Practical – II
PS03EPHY35	Practical – I
PS03EPHY36	Practical – II
PS04CPHY21	Nuclear & Particle Physics
PS04CPHY22	Advanced Experimental & Characterization Techniques
PS04EPHY21	Applied Crystallography and Bio – Physics
PS04EPHY22	Crystal Growth and Imperfections in Solids
PS04EPHY23	Signal Processing and Satellite Communication
PS04EPHY24	Advanced Solid State Electronic Devices
PS04EPHY25	Theoretical Physics – II
PS04EPHY26	Computational Physics – II
PS04EPHY27	Bio – Mass & Other System, Energy Storage
PS04EPHY28	Nuclear Energy & Energy Strategies
PS04EPHY29	Practical – I
PS04EPHY30	Practical – II
PS04EPHY31	Practical – I
PS04EPHY32	Practical – II
PS04EPHY33	Practical – I
PS04EPHY34	Practical – II
PS04EPHY35	Practical – I
PS04EPHY36	Practical – II