

Progressive Education Society's
Modern College of Arts, Science and Commerce (Autonomous),
Shivajinagar, Pune – 411005

Department of Physics

Program Specific Outcomes (PSOs)

Program: B. Sc. Physics

After successful completion of B.Sc. Physics Program, the student will be able to:

PSO No.	Program Outcome
PSO1	Academic Expertise: <ul style="list-style-type: none">i understand fundamentals laws of physics from various topics in Classical and Modern Physicsii understand the working of various instruments used in physics laboratories and develop skills to operate themiii understand importance of mathematics as a tool in presenting theories of physics
PSO2	Inquisitive Learner : <ul style="list-style-type: none">i understand physics behind phenomena observed in day-to-day lifeii understand importance of experimentation in developing the theories in physics
PSO3	Social competence: <ul style="list-style-type: none">i work in team to complete a scientific project starting with literature and resources' survey and concluding with preparation of the report
PSO4	Effective Communication: <ul style="list-style-type: none">i present concepts in physics to a gathering of people and answer related questions posed by the audience during the presentation
PSO5	Environmental Awareness: <ul style="list-style-type: none">i understand the electricity consumption reportii 2. calculated power consumed in houses with various electric appliances
PSO6	Digital Competence: <ul style="list-style-type: none">i use office tools like spreadsheet and document editors for preparing scientific reports and plotting graphs to represent data effectivelyii understand the basics of computer programing and its application in computational physics
PSO7	Experiential Learning:

	<ul style="list-style-type: none"> i understand the working principle of various appliances like refrigerator, internal combustion engine, microwave oven ii solve simple physics problems by applying theories 3. undertake simple task-based projects in physics
PO8	<p>Ethical and Moral Values:</p> <ul style="list-style-type: none"> i acknowledge scientific work of others and assign appropriate credit through citations while referring to existing scientific work
PO9	<p>Stress management:</p> <ul style="list-style-type: none"> i understand and appreciate endeavors of the physics community for understanding the working of nature ii appreciate music as a tool to manage mental stress
PO10	<p>Extramural Skills:</p> <ul style="list-style-type: none"> i develop skills to manage multiple tasks simultaneously ii manage available resources including time to complete a task in reasonable timeframe