

**Shikshan Maharshi Shikshan Sanstha**  
**Dr.D.Y.Patil College of Computer and Business**  
**Studies Shahunagar Pune**

**Department of Physics**

**Program outcomes (POs) and Program specific outcomes (POSs)**

**After successful completion of three year degree program in physics a student should be able to;**

<b>Program Outcome(POs)</b>
<p><b>PO1.Critical Thinking:</b> Employ critical thinking and the scientific knowledge to design, carry out, record and analyze the results of Physics experiments.</p> <p><b>PO2. Effective Communication:</b> Speak, read, write and listen clearly in person and through electronic media in English and in one Indian language, and make meaning of the world by connecting people, ideas, books, media and technology.</p> <p><b>PO3.Social Interaction:</b> Produce something views of others, mediate disagreements and help reach conclusions in group settings.</p> <p><b>PO4. Effective Citizenship:</b> Being the students of Physics they have to communicate with people, They have developed skills in Interactions among themselves in PPT Competition under curiosity programme.</p> <p><b>PO5.Ethics:</b> The subject teaches students about the ethical approach, not to waste electricity.</p> <p><b>PO6.Environment and Sustainability:</b> Conservation practices are studied for sustainable development</p> <p><b>POs 7: Self-directed and Life-long Learning:</b> Acquire the ability to engage in independent and life-long learning in the broadest context socio technological changes.</p> <p><b>POs 8:</b> Graduates will pursue higher studies in related fields including science.</p> <p><b>POs9:</b> Graduates will perform as employers in private/government institutions rising up to top positions.</p> <p><b>POs10.</b> Create an awareness of the impact of Physics on the society, and development outside the scientific community.</p> <p><b>POs11.</b> To inculcate the scientific temperament in the students and outside the scientific community.</p> <p><b>POs12.</b> Solve the problem and also think methodically, independently and draw a logical conclusion.</p>

## Program Specific Outcome (PSOs)

**PSO1.**To provide knowledge of Physics From Nano Particle to Macro Particle through Qualitative and Quantative Analysis.

**PSO2.**To make the students aware of applications of different physics aspects.

**PSO3.**To highlights the potential of these studies to become an entrepreneur.

**PSO4.**To equipped with skills related laboratory as well as field based studies.

**PSO5.**To makes the students aware about conservation and sustainable use of energy

**PSO6.**To create an interest research field to national development.

**PSO7.**To address the socio-economic challenges related to physical sciences.

**PSO8.**To facilitates students for taking up and shaping a successful career in Physics.

**PSOs9:** Graduates will acquire a comprehensive knowledge and sound understanding of fundamentals of Physics.

**PSOs10:** Graduates will develop practical, analytical and mathematical skill in Physics.

**PSOs 11:** Graduates will be prepared to acquire a range of general skills, to solve problems, to evaluate information, to use computers productively, to communicate with society effectively and learn independently.

**PSOs 12:** Graduates will acquire a job efficiently in diverse fields such as Science and Engineering, Education, Banking, Public Services, Business etc.