

**Progressive Education Society's**

**Modern College of Arts, Science & Commerce, Shivajinagar(Autonomous), Pune-5**

**Program Specific Outcomes (PSOs)**

**Department of Electronic Science**

**Program: B. Sc. Electronics Science**

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

<b>PSO No.</b>	<b>Program Specific Outcomes</b>
<b>PSO1</b>	<b>Academic Expertise:</b> i Realize how to apply the knowledge, facts, and rules of basic and applied sciences for understanding elements of Electronic Science. ii Classify basic elements and systems of the real analog world and modern digital world .Design iii Develop, demonstrate, classify, calculate and execute real world problems by experimenting a wide range of solutions in the field of Electronics.
<b>PSO2</b>	<b>Inquisitive Learner :</b> i Operate basic and advanced electronic devices , measuring equipments ,tools and Instruments. ii Design and implement the laboratory based applications with capability of experimenting , Testing. iii Understand the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.
<b>PSO3</b>	i <b>Social competence:</b> ii Understand the real world problems and propose appropriate electronics based devices, system which will be useful for Society as a whole. iii Realize the need of the society and develop Technology assisted systems for betterment of Society.
<b>PSO4</b>	<b>Effective Communication :</b> i Acquire the ability to collect the data and extract relevant information to support the technical report and present the information in appropriate way. ii Exhibit technical writing skills along with precise presentations & effective communication skills binding professional ethics.
<b>PSO5</b>	<b>Environmental awareness :</b>

	<ul style="list-style-type: none"> <li>i Understand the impact of the Electronics based solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.</li> <li>ii Realize the need of management of E-waste.</li> </ul>
<b>PSO6</b>	<p><b>Digital Competence:</b></p> <ul style="list-style-type: none"> <li>i Understand the appropriate use of Digital Electronics and Digital Communication for developing innovative applied Electronics systems in the field of Industrial Automation, AI &amp; ML, wired &amp; Wireless Communication, IoT Based systems and many more.</li> <li>ii Explore and analyze latest developments in Digital world and realize their applications for several requirements.</li> </ul>
<b>PSO7</b>	<p><b>Experiential Learning:</b></p> <ul style="list-style-type: none"> <li>ii Identify, formulate, Design, demonstrate and analyze complex problems to achieve the estimated results using variety of experiments.</li> <li>iii Develop customized Electronics Systems / projects as well as a set up for analyzing a research problem.</li> </ul>
<b>PSO8</b>	<p><b>Ethical and Moral Values :</b></p> <ul style="list-style-type: none"> <li>i Understand and apply ethical principles and entrust to professional ethics and responsibilities and norms of the Science and engineering practice.</li> </ul>
<b>PSO9</b>	<p><b>Stress Management:</b></p> <ul style="list-style-type: none"> <li>i Acquire competency to manage the stressful situation at every step through analyzing the zero pendency concept, Yoga, Meditation, Time management ( Time Audit) and practical feasibility.</li> <li>ii Acquire ability to schedule the processes and analyze them in a step by step approach and reach to the result.</li> </ul>
<b>PSO10</b>	<p><b>Extramural Skills:</b></p> <ul style="list-style-type: none"> <li>i Demonstrate or exhibit their skills in Music, Communication based events, Sports, Art clubs, language clubs, Annual Social gatherings etc</li> <li>ii Enhance their confidence by active participation in various non-Academic events / programmes.</li> </ul>