

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

Department of Computer Science

Program Outcomes (POs)

Programme: M. Sc. Computer Science

After successful completion of M.Sc. Computer Science, the student will be able to:

PSO No	Program Outcomes (POs)
PSO 1	Knowledge or Academic Expertise: <ul style="list-style-type: none">i. Enrich the knowledge in the areas like Artificial Intelligence, Machine Learning, Cloud Computing, User Experience and Design, Design and Analysis of Algorithms, Database Technologies, Advanced Operating System, Mobile Technologies, Software Project Management and core computing subjects.ii. Develop proficiency as computer scientists with an ability to solve a wide range of computational problems in industry, government, or other work environments.
PSO 2	Inquisitive learner or involved in Lifelong learning <ul style="list-style-type: none">i. Recognition of the need for and ability to engage in continuing professional development.
PSO 3	Social competence <ul style="list-style-type: none">i. Apply reasoning informed by the contextual knowledge to assess social, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional practice in Computer Science.
PSO 4	Effective communication

	<ul style="list-style-type: none"> i. Train students with skills essential for the workplace and develop essential employability skills such as communication, listening, teamwork and so on. ii. Work with and communicate effectively with professionals in various fields and pursue professional development in computing.
PSO 5	Environmental awareness <ul style="list-style-type: none"> i. Understand and help in building the natural world, give knowledge and method to solve complex environmental issues.
PSO 6	Digital competence <ul style="list-style-type: none"> i. Ability to use and apply current technical concepts and practices in the core development of solutions in the form of Information Technology. ii. Ability to formulate, to model, to design solutions, procedure and to use software tools to solve real world problems and evaluate. iii. Attain the ability to adapt quickly to new environments and technologies, assimilate new information, and work in multi-disciplinary areas with a strong focus on innovation and entrepreneurship.
PSO 7	Experiential Learning <ul style="list-style-type: none"> i. Design and develop computer programs/computer-based systems in the areas related to Algorithms, Networking, Web Design, Cloud Computing, Artificial Intelligence, Mobile Applications. ii. Build up programming, analytical and logical thinking abilities.
PSO 8	Ethical values <p>.Understanding of professional, ethical, legal, security, social issues and responsibilities</p>
PSO 9	Individuality and Teamwork or Interdisciplinary Studies <ul style="list-style-type: none"> i. Possess the ability to collaborate as team members and team leaders to facilitate cutting-edge technical solutions for computing systems and thereby providing improved functionality.

PSO 10	<p>Research and problem solving competence</p> <ul style="list-style-type: none"> i. Familiar with current research within various fields of Computer Science. ii. Ability to design, develop, implement computer programs and use knowledge in various domains to identify research gaps and hence to provide solution to new ideas and innovations.
PSO 11	<p>Stress management</p> <ul style="list-style-type: none"> i. Managing the stress in order to teach effectively and to help students with their stress around learning. to enhance the well-being of student and reduce negative stressors that students confront like illness, injury, low levels of physical fitness, pressures to excel in academic and extracurricular activities, depression, anxiety etc.
PSO 12	<p>Extramural skills</p> <ul style="list-style-type: none"> i. Encourage students to participate in Co-curricular activities which are important just as academics to learn to manage time, organizational skills and improved self-confidence.