

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

Department of Computer Science

Program Specific Outcomes (PSOs) and Course Outcomes (COs)

Programme: B. C. A.

After successful completion of B.C.A, the student will be able to:

PSO No	Program Specific Outcomes (PSOs)
PSO 1	Knowledge or Academic Expertise: <ul style="list-style-type: none">i. Produce knowledgeable and skilled human resources who are employable in IT and can also work as Researchers, Entrepreneurs or Software Professionalsii. Impart knowledge required for planning, designing and building Complex Application Software Systemsiii. Provide support to automated systems or application.iv. Produce entrepreneurs who develop customized solutions for small and medium Enterprisesv. Students will be able to understand, analyse and develop computer programs in the areas related to algorithm, system software, web design and networking for efficient design of computer based system.vi. Apply standard software engineering practices and strategies in software project development using open source programming environment to deliver a quality of products for businessvii. Student will be able to know various issues, latest trends in technology development and thereby provide innovate new ideas and solutions to existing problems.viii. Will have the ability to apply knowledge of mathematics, probability and statistics to computer science and solve problems.ix. Ability to define, assess and adhere to software quality practices and software processes and methodologies.

	<ul style="list-style-type: none"> x. Apply mathematical foundations, algorithmic principles and computer science theory in the modeling and design of computational systems. xi. Students will be able to demonstrate and apply the knowledge of Programming languages and technologies to develop effective software solutions <p>Pursue higher studies in the area of Computer Science/Applications</p>
PSO 2	<p>Inquisitive Learner or Involved in Life Long Learning</p> <ul style="list-style-type: none"> i. Understand the need of further studies and pursuing Post Graduation ii. Identify professional certifications available and pursuing the same iii. Do life-long self learning and to keep oneself up-to-date in the field of technology
PSO 3	<p>Social competence</p> <ul style="list-style-type: none"> i. Students gain awareness of Professional ethics in the software industry, and equip them with soft skills essential for working in Professional teams ii. Ability to work in Collaborative and Multidisciplinary work iii. Gain confidence for effective interaction
PSO 4	<p>Effective Communication</p> <ul style="list-style-type: none"> i. Students will be able to demonstrate adequate skills in oral and written communication for technical English language, actively participate in group discussions and interviews and exhibit the evidence of vocabulary building. ii. Inculcate essential skills as demanded by the industry which includes team-building skills, audio- visual presentations and personality development programs.
PSO 5	<p>Environmental Awareness</p> <ul style="list-style-type: none"> i. Understanding the global environmental issues and have the ability to reflect critically on their roles as citizens, consumers and environmental actors in an interconnected world. ii. Will be aware of environmental and sustainability issues

PSO 6	<p>Digital Competence</p> <ol style="list-style-type: none"> i. To acquire necessary and state-of-the-art skills to take up industry challenges ii. Students will be able to adapt the skills to implement effective solutions for need based problems by applying knowledge gained through different programming languages, tools and software covered in the syllabus of program.
PSO 7	<p>Experiential Learning</p> <ol style="list-style-type: none"> i. Graduates will be able to demonstrate the ability to design creative solutions to real life and most relevant problems faced by the industry and society at large Meet the requirements of the Industrial standards
PSO 8	<p>Ethical and Moral Values</p> <ol style="list-style-type: none"> i. Ability to do SWOT analysis for one-self ii. An understanding of professional, ethical, legal and social issues and responsibilities
PSO 9	<p>Stress Management</p> <ul style="list-style-type: none"> ● Effective stress management through Value based education programmes ● Meditation practices
PSO 10	<p>Extramural Skills</p> <ol style="list-style-type: none"> i. Ability to participate in Co-curricular activities which are important for overall development