CHANGU KANA THAKUR

Arts, Commerce and Science College, New Panvel (Autonomous)

Re-accredited 'A+' Grade by NAAC (3rd Cycle-CGPA 3.61)
'College with Potential for Excellence' Status Awarded by University Grants Commission
'Best College Award' by University of Mumbai

Department of Computer Science

Programme Outcomes for B.Sc.

Sr. No.	After completion of B.Sc. program students will acquire	Graduate Attribute
PO1	The knowledge of the disciplines and in-depth and extensive Disciplinary knowledge, understanding and skills in a specific field of interest.	Disciplinary knowledge
PO2	An ability to develop and conduct experiments, analyze, and Interpret data and use scientific judgment to draw conclusions.	Scientific reasoning
PO3	An ability to use current technology, and modern tools necessary for creation, analysis, dissemination of information.	Digital literacy
PO4	Innovative, professional, and entrepreneurial skills needed in various disciplines of science.	Life-long learning
PO5	An ability to achieve high order communication skills.	Communication skills
PO6	An ability to collect, analyze and evaluate information and ideas and apply them in problem solving using conventional as well as modern approaches.	Problem solving
PO7	A sense of social responsibility; intellectual and practical skills and demonstration of ability to apply it in real-world settings.	Reflective thinking
PO8	An ability to engage in independent and life-long learning through openness, curiosity, and a desire to meet new challenges.	Life-long learning
PO9	A capacity to relate, collaborate, and lead others, and to exchange views and ideas to work in a team to achieve desired outcomes.	Teamwork
PO10	An ability to function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.	Leadership
PO11	An ability to understanding values, ethics, and morality in a multidisciplinary context.	Moral and ethical awareness.

Programme Outcomes for M.Sc.

Sr. No.	After completion of M.Sc. program students will acquire	Graduate Attribute
PO1	An ability to identify and describe broadly accepted methodologies of science, and different modes of reasoning.	Disciplinary knowledge
PO2	An ability to demonstrate proficiency in various instrumentation, modern tools, advanced techniques and ICT to meet industrial expectations and research outputs.	Disciplinary knowledge/Digital literacy
PO3	An ability to identify problems, formulates, and proves hypotheses by applying theoretical knowledge and skills relevant to the discipline.	Problem-solving
PO4	An ability to articulate thoughts, research ideas, information, scientific outcomes in oral and in written presentation to a range of audience.	Communication skills
PO5	A capacity for independent, conceptual and creative thinking, analysis and problem solving through the existing methods of enquiry.	Problem solving
PO6	Skills required for cutting edge research, investigations, field study, documentation, networking, and ability to build logical arguments using scholarly evidence.	Research skills
PO7	An ability to portray good interpersonal skills with ability to work collaboratively as part of a team undertaking a range of different team roles	Teamwork
PO8	The ability to understand ethical responsibilities and impact of scientific solutions in global, societal and environmental context and contribute to the sustainable development	Moral and ethical awareness/ multicultural competence
PO9	An ability to demonstrate leadership, to take action and to get others involved.	Leadership
PO10	An openness to and interest in, life-long learning through directed and self-directed study	Self-directed learning
PO11	An ability to translate the knowledge and demonstrate the skills required to be employed and successful professional development.	Life-long learning

Programme Specific Outcome for B.Sc.

PSO	Description **After completing Bachelor's Degree in Computer Science learners will be able to:**
PSO 1	Get Proficiency in the field of embedded based systems.
PSO 2	Apply the knowledge of current and advanced computer-based technologies to develop real-time applications
PSO 3	Demonstrate effective communication, professional, social, ethical, entrepreneurial and leadership skills in the field of Computer Science.

Programme Specific Outcome for M.Sc.

PSO	Description **After completing Master's Degree in Computer Science learners will be able to:**
PSO 1	Understand core and advanced subjects of Computer Science and its logical application to solve real-life case studies using technology.
PSO 2	Identify, analyze and solve research based interdisciplinary computational problems
PSO 3	Get Exposure to modern software tool and life-long learning for continued professional development.

PROGRAMME SPECIFIC OUTCOME (PSO) for Data Analytics

PSO	Description After completing Master's Degree in Computer Science learners will be able to:
PSO 1	Select data analytics job opportunities from a variety of industries which match specific skills, and interests.
PSO 2	Improve one's decision making power in multiple development areas and deduce cost effective solutions.
PSO 3	Achieve enhanced skills in different paradigms of data analytics.