

**Shri Shivaji Science College,
Amravati**

**Pre-stated
Program
Outcomes**



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Programme Outcomes

POs

The Programme Outcomes (POs)

POs of B.Sc. Programmes

The under-graduate students, after completing their study of B.Sc. programme must acquire following characteristics attributes of science graduate.

PO-1	Scientific Knowledge and Experimental Skills : The graduates must be able to demonstrate fundamental concepts in science and apply it in relative specialised areas like research & development, teaching and government, social or public services.
PO-2	Communication skills : The graduates must be able to transmit complex scientific and technical information in clear and concise manner relating to all areas of science subjects he studied
PO-3	Critical Thinking & Problem Solving ability : The graduates must be able to employ critical thinking and problem solving skills find appropriate solutions for the scientific and technical problems in the field related science subjects.
PO-4	Team leading and working capability : The graduates must be capable to work independently as well as a team leader or a member.
PO-5	Project Management : The graduates must be able to identify and mobilize the appropriate resources to manage and complete the undertaken project by observing responsible & ethical conduct and also with laboratory safety and hygiene.
PO-6	Digital Proficiency to use Modern Digital Tools : The graduates must be capable to use modern digital tools like computer, software and ICT for teaching, simulating the ideas and statistical or analytical data analysis.
PO-7	Environmental and Societal Consciousness : The graduates must be aware about the environmental & the societal problems and must be capable to use and demonstrate the scientific knowledge to address these problems and to find appropriate solutions thereof
PO-8	Ethics and Human values : The graduates must be capable to think and behave rationally on the ethical issues they come across at their work place. Also, the graduates should adopt human values to keep harmony with individuals and with human beings.
PO-9	National perspective : The graduates must be able to develop national perspective for their career in the chosen field so that they could play a vital role in contributing in national development.
PO-10	Lifelong Learning : The graduates should adopt lifelong learning to keep pace with emerging trends in academics, research and developing technology.

POs of B.C.A. Programme

The under-graduate students, after completing their study of B.C.A. programme must acquire following characteristics attributes of science graduate.

PO-1	Scientific Knowledge and Experimental Skills : The graduates must be able to demonstrate fundamental concepts in computer science and apply it in relative specialised areas like research & development, teaching and government, social or public services.
PO-2	Communication skills : The graduates must be able to transmit complex technical information in clear and concise manner relating to computer hardware, software and its applications.
PO-3	Critical Thinking & Problem Solving Ability : The graduates must be able to employ critical thinking and problem solving skills to find appropriate solutions for the given problems in the fields of computer technology.
PO-4	Team leading and working capability : The graduates must be capable to work independently as well as a team leader or a member.
PO-5	Project Management : The graduates must be able to identify need, scope and beneficiaries to develop a project by observing responsible & ethical conduct and also with cyber security and safety.
PO-6	Digital Proficiency to use Modern Digital Tools : The graduates must be capable to learn and use modern technology like data mining, handling & management, robotics and artificial intelligence.
PO-7	Environmental and Societal Consciousness : The graduates must be aware about the environmental & the societal problems and must be capable to use and demonstrate the acquired knowledge to address these problems and to find appropriate solutions thereof.
PO-8	Ethics and Human values : The graduates must be capable to think and behave rationally on the ethical issues they come across at their work place. Also, the graduates should adopt human values to keep harmony with individuals and with human beings.
PO-9	National perspective : The graduates must be able to develop national perspective for their career in the chosen field so that they could play a vital role in contributing in national development.
PO-10	Lifelong Learning : The graduates should adopt lifelong learning to keep pace with emerging trends in technology and research.

POs of B.VOC. Forensic Science Programme

The under-graduate students, after completing their study of B.VOC. Forensic Science programme must acquire following characteristics attributes of science graduate.

PO-1	Scientific Knowledge and Experimental Skills : The graduates must be able to demonstrate fundamental concepts in forensic science and apply the Laboratory skills to participate in the career needs of Forensic community.
PO-2	Communication skills : The graduates must be able to transmit complex technical information in clear and concise manner relating to forensic science
PO-3	Critical Thinking & Problem Solving Ability : The graduates must be able to employ critical thinking and problem solving skills to find appropriate solutions for the given problems in the fields forensic science.
PO-4	Team leading and working capability : The graduates must be capable to work independently as well as a team leader or a member.
PO-5	Digital Proficiency to use Modern Digital Tools : The graduates must be capable to learn and use modern technology in the field of forensic science.
PO-6	Environmental and Societal Consciousness : The graduates must be aware about the environmental & the societal problems and must be capable to use and demonstrate the acquired knowledge to address these problems and to find appropriate solutions thereof.
PO-7	Ethics and Human values : The graduates must be capable to think and behave rationally on the ethical issues they come across at their work place. Also, the graduates should adopt human values to keep harmony with individuals and with human beings.
PO-8	National perspective : The graduates must be able to work with different R&D organizations so as to develop national perspective for their career in the chosen field so that they could play a vital role in contributing in national development. Be able to
PO-9	Lifelong Learning : The graduates should adopt lifelong learning to keep pace with emerging trends in technology and research.

POs of PG (M.Sc.) Programmes

The post-graduate students, after completing their study of postgraduate M.Sc. programme, must acquire following characteristics attributes.

PO-1	Scientific Knowledge, Experimental and Research Skills: The students must be able to demonstrate fundamental and advance concepts in science and apply it in relative specialised areas like research, teaching and government/social/public services.
PO-2	Communication skills: The students must be able to transmit complex scientific and technical knowledge in clear and concise manner relating to all areas of a subject they studied at PG level.
PO-3	Critical Thinking & Problem Solving ability: The students must be able to employ critical thinking and problem solving skills to find appropriate solutions for the scientific and research problems in the fields related to the subject they studied.
PO-4	Team leading and working capability: The students must be capable to work independently as well as a team leader or a member either in academic or research institute.
PO-5	Project Management: The students must be able to identify and mobilize the appropriate resources to manage and complete the undertaken project by observing responsible & ethical conduct and also with laboratory safety and hygiene.
PO-6	Technological Proficiency to use Modern instrumentations: The students must be capable to handlesophisticated and advanced instrumentsfor their research work.
PO-7	Environmental and Societal Consciousness: The students must be aware about the environmental & the societal problems and must be capable to use and demonstrate the scientific knowledge to address these problems and to undertake research problems
PO-8	Ethics and Human values: The students must be capable to think and behave rationally on the ethical issues they come across at their work place. Also, the students should adopt human values to keep harmony with individuals and with human beings.
PO-9	National & International perspective: The post graduate students must be able to develop national and international perspective for their career in the chosen field so that they could play a vital role in contributing to national and global development.
PO-10	Lifelong Learning: The students should adopt lifelong learning to keep pace with emerging trends in academics, research and developing technology.