



**Deccan Education Society's
Fergusson College (Autonomous), Pune**

Program Educational Objectives (PEOs) and Programme Outcomes (POs) 2019-20

Program Educational Objectives (PEOs) for M.Sc Programme

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| PEO1 | Facilitate value-based holistic and comprehensive learning by integrating traditional and innovative learning practices to match the highest quality standards and train students to be effective leaders in their chosen fields and career. |
| PEO2 | Provide a conducive environment to unleash their hidden talents, creative potential, nurture the spirit of critical thinking and encourage them towards higher education so as to cater the needs of the industry/society and contribute for the development of the nation. |
| PEO3 | Equip students with skills needed to adapt better to ever changing global scenarios by encouraging innovative practices, research competence and entrepreneurial skills and gain access to career opportunities in multidisciplinary domains. |
| PEO4 | Develop a sense of social responsibility, ethics and equity to transform students into commitment-oriented professionals having strong attitude towards sustainable development for betterment of society. |

Program Outcomes (POs) for M.Sc Programme

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| PO1 | Disciplinary Knowledge: Demonstrate comprehensive knowledge of the discipline that forms a part of a postgraduate programme. Execute strong theoretical and practical understanding generated from the specific programme in the area of work. |
| PO2 | Critical Thinking and Problem solving: Exhibit the skill of critical thinking and understand scientific texts and place scientific statements and themes in contexts and also evaluate them in terms of generic conventions. Identify the problem by observing the situation closely, take actions and apply lateral thinking and analytical skills to design the solutions. |
| PO3 | Social competence: Exhibit thoughts and ideas effectively in writing and orally; communicate with others using appropriate media, build effective interactive and presenting skills to meet global competencies. Elicit views of others, present complex information in a clear and concise way and help reach conclusions in group settings. |

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| PO4 | Research-related skills and Scientific temper: Infer scientific literature, build a sense of enquiry and able to formulate, test, analyse, interpret and establish hypothesis and research questions; and to identify and consult relevant sources to find answers. Plan and write a research paper/project while emphasizing on academics and research ethics, scientific conduct and creating awareness about intellectual property rights and issues of plagiarism. |
| PO5 | Trans-disciplinary knowledge: Create new conceptual, theoretical and methodological understanding that integrates and transcends beyond discipline-specific approaches to address a common problem. |
| PO6 | Personal and professional competence: Perform independently and also collaboratively as a part of a team to meet defined objectives and carry out work across interdisciplinary fields. Execute interpersonal relationships, self-motivation and adaptability skills and commit to professional ethics. |
| PO7 | Effective Citizenship and Ethics: Demonstrate empathetic social concern and equity centred national development, and ability to act with an informed awareness of moral and ethical issues and commit to professional ethics and responsibility. |
| PO8 | Environment and Sustainability: Understand the impact of the scientific solutions in societal and environmental contexts and demonstrate the knowledge of and need for sustainable development. |
| PO9 | Self-directed and Life-long learning: Acquire the ability to engage in independent and life-long learning in the broadest context of socio-technological changes. |