

St. Mira's College for Girls, Pune
[Autonomous- affiliated to the Savitribai Phule University]
Learning Outcomes based Curriculum Framework (LOCF)
For Postgraduate Programme
Name of Programme: M.Sc Computer Science
w.e.f. 2023

Aims of Master's Degree Programme in Computer Science

- To provide students with theoretical and practical knowledge in the domain of Computer Science and ability to analyze real life problems and develop innovative and sustainable solutions using emerging trends in technologies.
- To get industrial exposure through the Internship in the IT industry.
- To use appropriate techniques, skills, and tools including prediction and modeling for complex activities and synthesize them towards their social responsibility as a computer professional.
- To inculcate in students professional & ethical values, leadership quality & teamwork skills to sustain in the global environment.
- To build a strong foundation for future research works in a systematic manner by applying notions of research methodology.

Program Specific Outcomes :

I) Academic Competence :

PSOA1: Train students in core subjects, advanced areas and specialized topics in the emerging technology and contribute in development to the advancement of computer science.

PSOA2: Build a strong foundation for future research work in a systematic manner by applying notions of research methodology

PSOA3: Exhibit attitude for continuous learning and deliver efficient solutions for emerging challenges in the computation domain.

PSOA4: Apply standard software management skills to develop viable solutions for Information Technology Services

II) Personal, Behavioural and Skill based Competence :

PSOS1: Recognize the need for and ability to engage in continuing professional development in multiple domains and communicate effectively with peers.

III) Ethical, Moral and Social competence and Sensibilities

PSOE1: An educational ideology to assess the local & global impact of computing solutions on individuals, organizations and society.

PSOE2: An ability to analyze and solve professional, interpersonal, ethical, security & social issues .