



BON SECOURS COLLEGE FOR WOMEN (Autonomous)

Accredited with A++ Grade by NAAC in the Cycle II
Affiliated to Bharathidasan University, Tiruchirappalli
UGC Recognized under Section 2(f) and 12 (B)
An ISO 21001:2018 Certified Institution
Vilar Bypass, Thanjavur-613006, Tamilnadu

DEPARTMENT OF COMPUTER APPLICATIONS B.Sc. Artificial Intelligence and Machine Learning

Vision of Department of Computer Applications

- The vision of the department is to empower women by providing them unique learning experience with ethical values in computer applications to meet the industrial standards and societal expectations.

Mission of Department of Computer Applications

- To provide a strong theoretical and practical background across the computer science discipline with an emphasis on software development.
- To impart value-based, quality education with enriched academic competency, potential and critical thinking that provides design, development as software applications in their entirety.

Programme Outcomes (POs)

On successful completion of the B.Sc., Programme, students will be able to:

PO1: Foundational Knowledge: Apply fundamental principles and methods across key areas of science and multidisciplinary fields.

PO2: Problem Solving and Analysis: Demonstrate analytical and logical skills to address scientific challenges and requirements.

PO3: Scientific Inquiry and Critical Thinking: Cultivate critical thinking and a scientific temper to evaluate and solve complex problems.

PO4: Effective Communication: Communicate scientific concepts clearly and effectively to diverse audiences.

PO5: Ethics and Sustainable Development: Recognize the importance of ethical responsibility and use technology judiciously to promote sustainability.

PO6: Research and Lifelong Learning: Uphold scientific integrity, engage in research, and commit to continuous learning amid technological advancements..

Programme Specific Outcomes (PSOs)

PSO1: Exhibit good domain knowledge and complete responsibilities effectively and efficiently the field of Artificial Intelligence (AI) and Machine Learning (ML), professionals need to have a solid understanding of various concepts, tools, and techniques.

PSO2: Apply technical and critical thinking skills in the discipline of Artificial Intelligence (AI) and Machine Learning (ML) involves a systematic approach to solving complex problems.

PSO3: Design and develop research-based solutions for complex problems in the Artificial Intelligence (AI) and Machine Learning (ML) industry while considering public health, safety, cultural, societal, and environmental concerns requires a comprehensive approach.

Programme Educational Objectives (PEOs)

PEO1: Acquire in-depth knowledge of the discipline, coupled with technical skills, communication abilities, logical thinking, and problem-solving competence.

PEO2: Develop entrepreneurial and employability traits, functioning as responsible citizens with the ability to tackle challenging tasks, transform rural communities, and adapt to contemporary technologies.