

**Coimbatore Institute of Technology**

**Department of Computing**

**Five year integrated M.Sc., (Software Systems)**

**PROGRAMME EDUCATIONAL OBJECTIVES (PEOS)**

Our Graduates will:

**PEO 1 Expertise in software solution:** Work productively as highly competent software professionals with the capability of investigating the problem, planning and developing the quality software solutions for various domains.

**PEO 2 Research:** Promote research in the development of leading innovative products

**PEO 3 Leadership:** Inspire and guide the groups they work with in bringing their ideas to fruition, with managerial skills, self-assurance and integrity.

**PEO 4 Social Responsibility:** commit to social ethical and professional responsibilities.

**PEO 5 Life-long Learning:** Participate in life-long learning to enhance knowledge and skills necessary to contribute to the betterment of profession

**PEO 6 Entrepreneurship:** Become Successful entrepreneurs with the strong business managerial skills.

**PROGRAMME OUTCOMES (POS)**

Students in the M.Sc.(Software Systems) should possess the following abilities:

**PO1:** Analyze a problem and design an efficient solution with the knowledge of Mathematics and Computing

**PO2:** Plan, develop and manage software solutions that aid the industry or government to accomplish their set goals using state-of-the-art technology

**PO3:** Design and develop the decision support system

**PO4:** Design and develop internet based embedded software systems for real time environment

**PO5:** Assess the quality standards of the development process and software solutions

**PO6:** Communicate effectively with stakeholders and work as part of teams

**PO7:** Work with professional, and ethical values

**PO8:** Understand and solve legal and security issues of socio-economical applications

**PO9:** Recognize the importance of research to develop leading innovative products in diversified fields of computer science

**PO10:** Self learning and adaptation to the emerging technologies to address the challenging issues

**PO11:** Apply the principles of management in defining, planning and tracking the projects.