

**Coimbatore Institute of Technology**

**Department of Computing**

**Five year integrated M.Sc., (Decision and Computing Sciences)**

**PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)**

**PEO1 Expertise in Decision Making:** Evolve as computationally sophisticated decision scientists with an in-depth knowledge of functional areas across business.

**PEO2 Expertise in Software Development:** Develop software products by strategic blending of computing technology and management expertise that facilitate informed decision making.

**PEO3 Leadership and Lifelong Learning:** Demonstrate leadership qualities through entrepreneurship and engage in active contribution to society through innovative solutions of global impact.

**PROGRAMME OUTCOMES (POs)**

PO1: Apply mathematical and statistical modelling for analysis of business problems that aid management to make data driven decisions.

PO2: Perform quantitative and qualitative data analytics in functional areas of business like marketing, human resource management, finance, etc.

PO3: Visualize and infer meaningful insights to facilitate strategic and operational decisions.

PO4: Apply foundations of business management blended with computing science to address issues in decision-making.

PO5: Develop smart enterprise applications applying software engineering principles and business domain knowledge.

PO6: Design and develop software products for strategic decision making, business analytics and intelligence.

PO7: Utilize information technology infrastructure, analytics and decision-making skills effectively to realize the organization's goals.

PO8: Contribute and collaborate effectively in any role in multi-disciplinary teams.

PO9: Recognize professional, social and ethical values imbibed in the business and technical environments.

PO10: Engage in lifelong learning to be empowered with management expertise and by structured adoption of technological advancements.

PO11: Aspire to be an entrepreneur by transforming the idea into successful business venture with due consideration to financial, technical, and management aspects.