

COIMBATORE INSTITUTE OF TECHNOLOGY, COIMBATORE

DEPARTMENT OF COMPUTING

M.Sc. DECISION AND COMPUTING SCIENCES

(5-Year Integrated Programme)

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

PEO1 Expertise in Decision Making: Evolve as decision scientists with an in-depth knowledge of multiple business domains across all functional areas.

PEO2 Expertise in Software Development: Be competent to 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 acquisition of intrapreneurship and entrepreneurship traits and engage in active contribution to society through innovative solutions of global impact.

PROGRAMME OUTCOMES

- 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 and services for strategic decision making, business analytics and intelligence.
- PO7** Align and 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 intrapreneur/entrepreneur by transforming the idea into successful business venture with due consideration to financial, technical, and management aspects.