

DEPARTMENT OF INFORMATION TECHNOLOGY

School of Information and Communication Technology

Programme Educational Objectives (PEOs) For Post Graduate Programme MCA, BCA and B,Tech. IT

PROGRAM EDUCATIONAL OBJECTIVES FOR POST GRADUATE PROGRAMME IN DIT

DIT PEO 1:

To develop students with depth knowledge of Information Technology and Computer applications which provide a strong foundation to pursue career in ICT

DIT PEO 2:

To develop the leadership qualities, to lead and work in a team in professional environment, demonstrate professional integrity and feel responsibility towards country at an appropriate level in order to address the issues in a responsive, ethical and innovative manner.

DIT PEO 3:

To excel in career involving higher order and challenging tasks and try to become a part of success and growth and work in collaboration with all organisation.

DIT PEO 4: To produce students who are effective in multidisciplinary research and environment by showing their active participation for betterment of society.

DIT PROGRAM OUTCOMES FOR POST GRADUATE PROGRAMME IN DIT

PO 1: Computational Knowledge: Apply knowledge of computing fundamentals, computing specialisation, mathematics, and domain knowledge appropriate for the computing specialisation to the abstraction and conceptualisation of computing models from defined problems and requirements.

PO 2: Problem Analysis: Identify, formulate, research literature, and solve complex computing problems reaching substantiated conclusions using fundamental principles of mathematics, computing sciences, and relevant domain disciplines.

PO 3: Design and Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4: Conduct Investigations of Complex Problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5: Modern Tool Usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6: Professional Ethics: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices.

PO 7: Life-Long Learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PO 08: Project Management and Finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO 09: Communication Efficacy: Communicate effectively with the computing community, and with society at large, about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO 10: Societal and Environmental Concern: Understand and assess societal, environmental, health, safety, legal, and cultural issues within local and global contexts, and the consequential responsibilities relevant to professional computing practices.

PO 11: Individual and Teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO12: Innovation and Entrepreneurship: Identify a timely opportunity and using innovation to pursue that opportunity to create value and wealth for the betterment of the individual and society at large.

PROGRAM SPECIFIC OUTCOMES FOR MCA DATA SCIENCE (MCA-DS)

PSO1 Apply the knowledge of data science for computer application to find solutions for real-life application

PSO2 Ability to analyze, design, develop and maintain the software application with latest technologies

PSO3 Utilize skills and knowledge for computing practice with commitment on social, ethical, cyber and legal values.

PSO4 Inculcate employability and entrepreneur skills among students who can develop customized solutions for small to large Enterprises.