Dharmsinh Desai University
Department of MCA

VISION – MISSION – PEOs – PSO - POs Document

Vision

To become at par learning environment in the domain of Computer Science & Applications for providing leadership in technology development & innovation for society and industry.

Mission

To create contemporary course education and to undertake need based skill development programs and relevant activities in Computer Science & Applications to prepare qualified and skilled IT professionals ready to take societal and technological challenges lifelong.

Program Educational Objectives (PEOs)

PEO1: Apply modern software engineering, management and testing techniques for producing quality solutions for given societal computing problems.

PEO2: Design and develop efficient computing solutions with help of modern computing techniques, tools and technologies.

PEO3: Work efficiently in team with professional ethics and communication for implementing computational solutions of interdisciplinary problems.

Program Outcomes (POs)

PO1: Computational knowledge: Apply fundamental knowledge of mathematics, computer science and applications, and domain knowledge for creating computing solutions.

PO2: Problem analysis: Identify, formulate, research literature, and solve societal complex computing problems with help of basic principles of mathematics, computer science and applications, and relevant domain principles.

PO3: Design/Development of solutions: Design, develop and evaluate computing solutions to address specified needs in the societal and environmental concerns, and processes to achieve desired objectives within realistic constraints.

PO4: Conduct investigations of complex computing problems: Design and conduct experiments, interpret data and derive well informed conclusions.

PO5: Modern tool usage: Develop computing solutions using relevant modern tools, technologies, programming language environments within realistic constraints.

PO6: Professional ethics: Understand and commit to professional ethics and cyber regulations, responsibilities, and norms of professional computing practices.

PO7: Life-long learning: Recognize the need, and have the ability, to engage in independent learning for continual development as a computing professional.

PO8: Project management and finance: Apply and demonstrate computing and project management principles in various roles.

PO9: Communication efficacy: Effectively communicate with the computing community, and society about complex computing activities by being able to comprehend and write effective reports, design documentation, make effective presentations, and give and understand clear instructions.

PO10: Societal and environmental concern: Understand the impact of computing solutions in the societal and environmental contexts for sustainable development.

PO11: Individual and team work: Function and communicate effectively in professional environment as an individual and as a team member.

PO12: Innovation and entrepreneurship: Understand the impact of innovations for professional development.

Program Specific Outcomes (PSO)

PSO1: Build up the core concepts needed for solving complex IT problems.