# DEPARTMENT OF COMPUTER SCIENCE
# SCHOOL OF SCIENCES
# SRI PADMAVATI MAHILA VISVAVIDYALAYAM
## Department of Computer Science

## Master of Computer Applications (MCA)

## PROGRAMME EDUCATIONAL OBJECTIVES  (PEOs)

**PEO1:** Prepare the students to become successful Professionals in the field of research, academia, industry and consulting firms.

**PEO2:** Impart training in technically competent skills, Soft Skills including team building skills and communication skills to take up projects involving challenging tasks.

**PEO3:** Prepare students to excel with professional competence, managerial skills to satisfy critical societal needs.

**PEO4:** Inculcate the spirit of innovation and entrepreneurship among the students.

**PEO5:** To develop teamwork capability so that they can work on multidisciplinary projects and exhibits high level of professional and ethical values.

## PROGRAMME SPECIFIC OUTCOMES (PSOs)

**PSO1.** Design applications for any desired needs with appropriate considerations for any specific need on societal and environmental aspects.

**PSO2.** The students can select the suitable data model, appropriate architecture and platform to implement a system with good performance.

**PSO3.** The students can design and integrate various system based components to provide user interactive solutions for various challenges.

# PROGRAMME OUTCOMES (POs)

**PO1.** The knowledge of mathematics/statistics and computing fundamentals to apply on various real life applications for any given requirement.

**PO2.** Skills to analyze a problem along with identify and define the logical modelling of solutions.

**PO3.** Ability to design, implement and evaluate a computer-based system, process, component to meet stakeholder needs.

**PO4.** Integrate and apply efficiently the contemporary IT tools to all computer applications.

**PO5.** Analyze and review literature to invoke the research skills to design, interpret and make inferences from the resulting data.

**PO6.** Function effectively both as a team leader and team member on multi-disciplinary projects to express computing and management skills.

**PO7.** Apply the intrinsic skills with complete focus to function as a successful entrepreneur.

**PO8.** Communicate effectively and present technical information.

**PO9.** Apply ethical principles and commit to professional ethics and responsibilities.

**PO10.** Have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

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**H – HIGH**          **M – MODERATE**          **L – LOW**

1. **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) – PROGRAMME OUTCOMES (POs) MAPPING**

|      | PO1 | PO2 | PO3 | PO4 | PO5 | PO6 | PO7 | PO8 | PO9 | PO10 |
|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|
| PEO1 | H   | M   | H   | H   | H   | L   | H   | H   | M   | H    |
| PEO2 | H   | H   | H   | H   | L   | H   | H   | H   | M   | H    |
| PEO3 | M   | H   | H   | H   | M   | H   | H   | H   | H   | H    |
| PEO4 | H   | H   | M   | H   | M   | H   | H   | H   | H   | H    |
| PEO5 | M   | H   | H   | M   | H   | H   | M   | H   | H   | H    |

2. **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) – PROGRAMME SPECIFIC OUTCOMES (PSOs) MAPPING**

|      | PSO1 | PSO2 | PSO3 |
|------|------|------|------|
| PEO1 | L    | M    | H    |
| PEO2 | H    | L    | M    |
| PEO3 | H    | M    | M    |
| PEO4 | H    | H    | M    |
| PEO5 | H    | H    | H    |

3. **PROGRAMME EDUCATIONAL OBJECTIVES (PEOs) – MISSION STATEMENTS MAPPING**

|      | M1 | M2 | M3 | M4 |
|------|----|----|----|----|
| PEO1 | H  | H  | M  | M  |
| PEO2 | H  | H  | M  | H  |
| PEO3 | H  | M  | M  | M  |
| PEO4 | M  | M  | M  | M  |
| PEO5 | M  | H  | M  | M  |