DIPLOMA IN COMPUTER ENGINEERING

❑ **Department Vision:**

"To contribute to the nation by imparting information technology based quality technical education."

❑ **Department Mission:**

- To provide excellent computer engineering education with high values through continuous teaching learning practices.
- To induce ethical values and spirit of social commitment to reach the unreached.
- To evolve methods continuously to maintain new computer advancements as well as acquire software knowledge to face new challenges.

❑ **Programme Educational Objectives (PEO)**

(What s/he will continue to do even after 3-5 years of working in the industry)

PE01. Provide socially responsible, environment friendly solutions to Computer engineering related broad-based problems adapting Professional ethics.

PEO2. Adapt state-of-the-art Computer engineering broad-based technologies to work in multi-disciplinary work environments.

PEO3. Solve broad-based problems individually and as a team member communicating effectively in the world of work.

❑ **Program Outcomes (PO)**

(What s/he will be able to do at the entry point of industry soon after diploma programme)

P01. **Basic knowledge:** Apply knowledge of basic mathematics, sciences and basic engineering to solve the broad-based Computer engineering problem.

P02. **Discipline knowledge:** Apply Computer engineering discipline - specific knowledge to solve core computer engineering related problems.

P03. **Experiments and practice:** Plan to perform experiments and practices to use the results to solve broad-based Computer engineering problems.

P04. **Engineering tools:** Apply relevant Computer technologies and tools with an understanding of the limitations.

P05. **The engineer and society:** Assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to practice in field of Computer engineering.

P06. **Environment and sustainability:** Apply Computer engineering solutions also for sustainable development practices in societal and environmental contexts and demonstrate the knowledge and need for sustainable development.

P07. **Ethics:** Apply ethical principles for commitment to professional ethics, responsibilities and norms of the practice also in the field of Computer engineering.

P08. **Individual and team work:** Function effectively as a leader and team member indiverse/ multi disciplinary teams.

P09. Communication: Communicate effectively in oral and written form.

P010. Life-long learning: Engage in independent and life-long learning activities in the contextof technological changes in the Computer engineering field and allied industry.

❏   **Program Specific Outcomes (PSO)**

(What s/he will be able to do in the Computer engineering specific industry soon after diploma programme)

P501 Computer Software and Hardware Usage: Use state-of-the-art technologies foroperation and application of computer software and hardware.

PS02. Computer Engineering Maintenance: Maintain computer engineering related software and hardware systems.