

School of Computing
Department of Computer Applications

Department Vision:

To be a center of Excellence in Computer Applications through academic Excellence, innovative research, digital transformation, ethical values and Community engagement, nurturing globally competent. Industry ready, and socially responsible professional for sustainable development.

Department Mission:

Mission 1: Deliver quality and inclusive education through an industry –aligned curriculum, experimental learning, emerging technologies, and continuous curriculum development to develop competent computing professionals.

Mission 2: Foster research excellence, innovation, entrepreneurship, interdisciplinary collaboration, and lifelong learning through projects, funded research, publications, and consultancy, incubation and industry partnerships.

Mission 3: develop ethical leadership, professional competence. Global perspectives. communication skills, teamwork, and social responsibility by promoting community engagement, sustainable development, and responsible computing practices.

Program Educational Objectives (PEOs):

PEO1. Excel as Competent computing professionals by applying strong technical knowledge, emerging technologies, and problem solving skills in the software and IT industry.

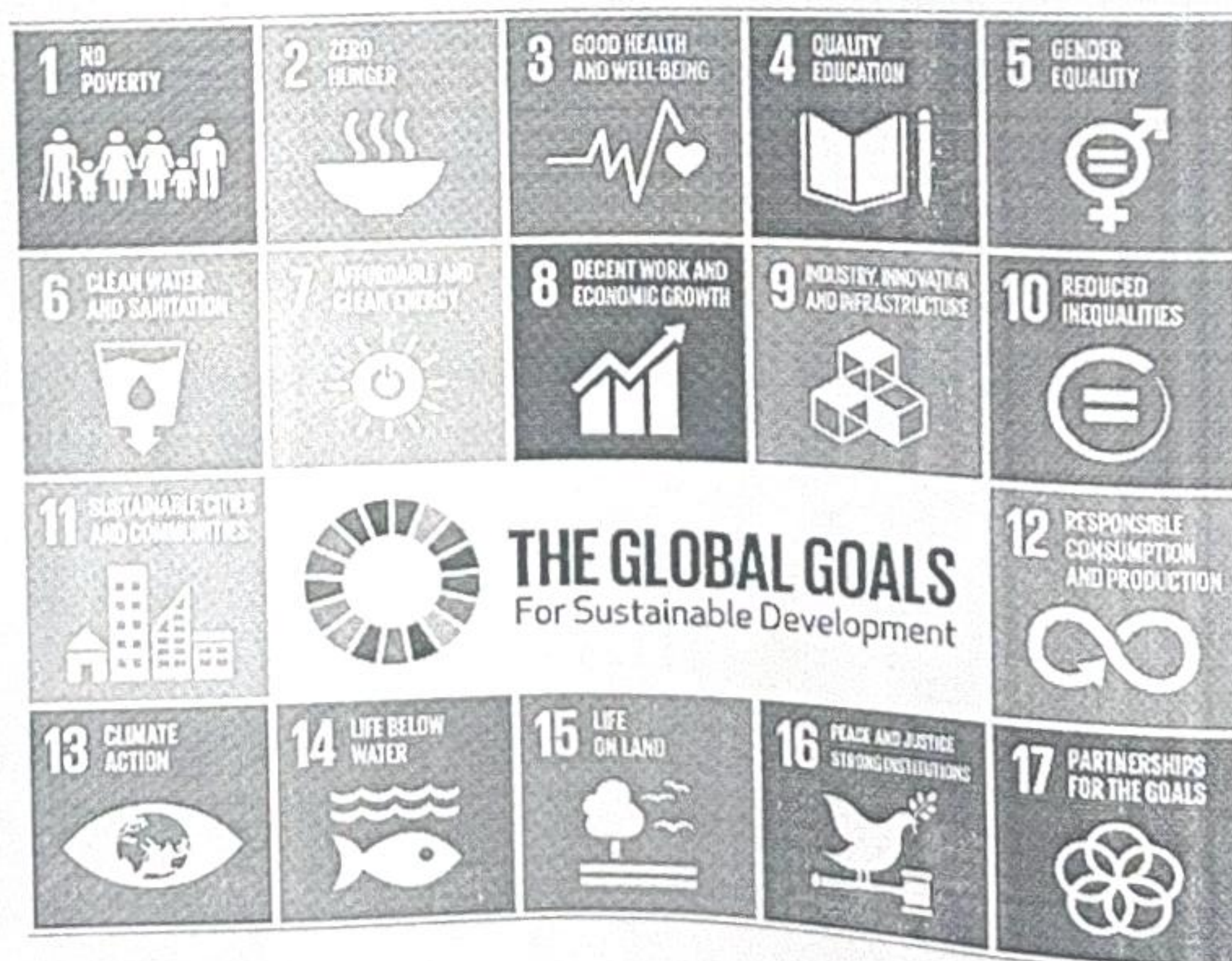
PEO2. Develop innovative, sustainable, and ethical technology solutions through research, entrepreneurship and professional practice to address industry and societal challenges.

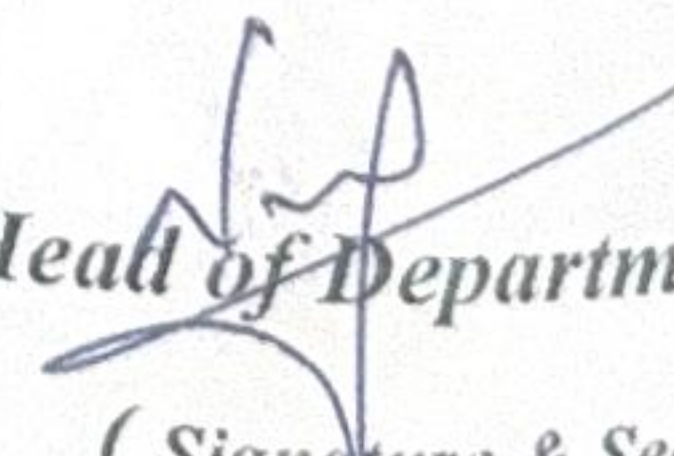
PEO3. Become globally competent, socially responsible, and ethical professionals committed leadership. Lifelong learning and continuous professional development.

Program Outcomes (POs):

PO	Statement
PO1:	Foundation Knowledge: Apply knowledge of mathematics, programming logic and coding fundamentals for solution architecture and problem solving.
PO2:	Problem Analysis: Identify, review, formulate and analyse problems for primarily focussing on customer requirements using critical thinking frameworks.
PO3:	Development of Solutions: Design, develop and investigate problems with as an innovative approach for solutions incorporating ESG/SDG goals.
PO4:	Modern Tool Usage: Select, adapt and apply modern computational tools such as development of algorithms with an understanding of the limitations including human biases.
PO5:	Individual and Teamwork: Function and communicate effectively as an individual or a team leader in diverse and multidisciplinary groups. Use methodologies such as agile.
PO6:	Project Management and Finance: Use the principles of project management such as scheduling, work breakdown structure and be conversant with the principles of Finance for profitable project management.
PO7:	Ethics: Commit to professional ethics in managing software projects with financial aspects. Learn to use new technologies for cyber security and insulate customers from malware
PO8:	Life-long learning: Change management skills and the ability to learn, keep up with contemporary technologies and ways of working.

Sustainable Development Goals:




Head of Department
 (Signature & Seal)

Head
Computer Applications
Madanapalle Institute of Technology & Science
 Deemed to be University
 MADANAPALLE - 517 325, A.P., India

Verified

 11/9/26