

**LORETO COLLEGE
COMPUTER DEPARTMENT**

SKILL ENHANCEMENT COURSE (SEC) UNDER CCF, 2022

COURSE OUTCOMES (CO)

• **ARTIFICIAL INTELLIGENCE**

CO1. Understand core concepts of Artificial Intelligence (AI) and machine learning.

CO2. Apply AI techniques to solve basic real-world problems.

CO3. Develop an understanding of neural networks and their applications.

CO4. Explore ethical implications of AI in society.

CO5. Implement AI models using Python-based libraries.

PROGRAM OUTCOMES (PO)

PO1. Understand and explain fundamental concepts, theories, and algorithms of Artificial Intelligence including knowledge representation, search methods, and machine learning principles.

PO2. Analyze different AI techniques and their applications across various domains through theoretical study.

PO3. Critically evaluate the ethical, societal, and legal implications of AI technologies.

PO4. Develop the ability to interpret AI research literature and theoretical models.

PO5. Formulate problem-solving approaches based on AI theories and algorithms.

PO6. Demonstrate clear communication of AI concepts through written and oral theoretical presentations.

PO7. Cultivate lifelong learning habits to stay updated on emerging AI research and theories.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1. Demonstrate comprehensive understanding of foundational AI theories including knowledge representation, search algorithms, and expert systems.

PSO2. Critically analyze various machine learning models and their theoretical foundations.

PSO3. Understand and discuss natural language processing and computer vision concepts from a theoretical perspective.

PSO4. Evaluate ethical, social, and legal issues in AI using theoretical frameworks.

PSO5. Interpret research papers and theoretical models in AI to build a solid conceptual base.

PSO6. Develop the ability to articulate AI concepts clearly in written and oral forms, emphasizing theory.

- **DIGITAL EMPOWERMENT**

CO1. Develop skills in using digital platforms for communication, collaboration, and learning.

CO2. Gain hands-on experience in using tools for digital content creation and online services.

CO3. Understand data privacy, security, and responsible use of technology.

CO4. Empower students with tools for digital financial literacy.

CO5. Promote an inclusive digital culture, bridging the digital divide.

PROGRAM OUTCOMES (PO)

PO1. Acquire thorough knowledge of digital literacy concepts, including the use of digital tools, platforms, and services for communication and content creation.

PO2. Understand theoretical principles of digital privacy, security, and ethical use of technology.

PO3. Evaluate the impact of digital technologies on society and promote responsible digital citizenship.

PO4. Develop critical thinking on the role of digital empowerment in bridging social and economic divides.

PO5. Demonstrate the ability to analyze and interpret policies and frameworks related to digital empowerment.

PO6. Present clear, coherent theoretical arguments related to digital technology and empowerment.

PO7. Engage in continuous self-learning to keep pace with evolving digital theories and frameworks.

PROGRAM SPECIFIC OUTCOMES (PSO)

PSO1. Understand core principles of digital literacy, including the theoretical basis for digital tools and platforms.

PSO2. Analyze issues related to data privacy, cybersecurity, and ethical use of digital technology from a theoretical standpoint.

PSO3. Evaluate the social, economic, and cultural impact of digital empowerment policies and frameworks.

PSO4. Demonstrate critical thinking about digital inclusion, accessibility, and the digital divide.

PSO5. Interpret and discuss digital empowerment theories and research to inform policy and practice.

PSO6. Communicate theoretical concepts of digital empowerment effectively in academic and professional settings.