

Department of CS&IT

AY: 2022-23 (ODD Semester)

CO-PO-PSO Mapping

Programme Name: M.Tech (AIML)

Semester: 1st

Course Name & Code: Advances in Artificial Intelligence (21M71CS112)

NBA Code: C161

1. Course Outcomes:

At the completion of the course, students will be able to,

S.No.	Description	Cognitive Level (Blooms Taxonomy)
C161.1	Understand the characteristics & significance of AI	Understanding Level (Level III)
C161.2	Analyze several AI/ML techniques to yield and process information from open real-world data sources	Analyzing Level (Level II)
C161.3	Apply the concept of Machine Learning for industrial applications	Applying Level (Level IV)
C161.4	Evaluate the use of the Machine Learning algorithms towards pattern mining	Evaluating Level (Level V)
C161.5	Design algorithmic frameworks for solving time series data patterns	Creating Level (Level VI)

2. CO-PO and CO-PSO Mapping:

COs	PO 1	PO 2	PO 3	PSO1	PSO2
C161.1	3	1	1	1	
C161.2	3	3	2	3	2
C161.3	3	3	3	3	1
C161.4	3	3	1	2	2
C161.5	3	1	1	3	1
Avg.	3	2	2	2	2

3. Identified gaps in Syllabus/ Course Description (If Any): No

Topics to be introduced	Strengthens CO	Strengthens PO, PSO	Method of Identification

4. Modifications in Syllabus/ Course Description (If Any): No

Details of Modification (Addition/ Removal)	Justification	Strengthens POs/PSOs

5. Actions for Improving CO Attainments: No

COs	Attainments in 2021-22	Action to be taken in 2019-20 to improve CO attainment	Strengthens POs/PSOs

6. Innovative Teaching and Learning Method to be used:

1. Practical based Questions for understanding concepts
2. Group Presentation towards any topic of interest

7. Strategies for

- **Weak Learners:** Extra classes to be arranged for weak learners to practice more questions
- **Bright Students:** Bright students are assigned a problem and they demonstrate it to the class.

8. Innovative Evaluation Strategy to be used:

- **Project Based Learning:** Projects covering various topics of the course will be given to students and students would be evaluated for those projects.

Signature:

Module Coordinator:

Signature:

Course Coordinator: Dr. Ankit Vidyarthi