**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: Signature:**

**Module Coordinator: Course Coordinator: Dr. Ankit Vidyarthi**