**Department of CSE&IT**

**AY: 2022-23 (ODD Semester)**

**Course Closing Report**

1. Programme Name: M.Tech (AIML)
2. Semester: I
3. Course Name & Code: Advances in AI (21M71CS112)
4. **Course Coordinator: Dr. Ankit Vidyarthi**
5. **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) |

1. **CO-PO and CO-PSO Mapping:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **COs** | **PO 1** | **PO 2** | **PO 3** | **PSO 1** | **PSO 2** |
| **C161.1** | 2 | 2 | 3 | 2 | 3 |
| **C161.2** | 2 | 2 | 2 | 3 | 3 |
| **C161.3** | 2 | 3 | 3 | 2 | 3 |
| **C161.4** | 3 | 3 | 2 | 2 | 3 |
| **C161.5** | 2 | 2 | 3 | 3 | 3 |
| **Avg.** | 2 | 2 | 3 | 2 | 3 |

1. **CO Attainments in 2022-23:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **C161.1** | **C161.2** | **C161.3** | **C161.4** | **C161.5** |
|  | 1.8 | 3.0 | 1.8 | 2.6 | 2.6 |

1. **PO-PSO Attainments in 2022-23:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **PO 1** | **PO 2** | **PO 3** | **PSO 1** | **PSO 2** |
| **Attainment** | **2.4** | **2.3** | **2.3** | **2.4** | **2.4** |

1. **Summary of Result Analysis:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Grade A+** | **Grade A** | **Grade B+** | **Grade B** | **Grade C+** | **Grade C** | **Grade D** | **Grade F** | **Grade I** |
| **% age of Students** | **0** | **7.14** | **14.28** | **57.14** | **14.28** | **0** | **7.14** | **0** | **0** |

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1. **Innovative Teaching and Learning Method used (if any):**

**Project with pre known titles**

**Implementation of the code from scratch**

1. **Innovative Evaluation Strategy used (If any):**

**Surprise Tests and Onboard problem solving**

1. **Actions Taken for Improvement in CO Attainments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **COs** | **Attainments in 2021-22** | **Action(s) taken in 2022-23 to improve CO attainment** | **Proof Document(s) attached in Course File** |
| **PO 1** | **PO 2** | **PO 3** | **PSO 1** | **PSO 2** |
| **C161.1** | **NA** | **NO action required** | **NA** |  |  |  |  |  |
| **C161.2** | **NA** | **NO action required** | **NA** |  |  |  |  |  |
| **C161.3** | **NA** | **NO action required** | **NA** |  |  |  |  |  |
| **C161.4** | **NA** | **NO action required** | **NA** |  |  |  |  |  |
| **C161.5** | **NA** | **NO action required** | **NA** |  |  |  |  |  |

1. **Actions Taken for Improvement in PO-PSO Attainments: N/A**

|  |  |  |  |
| --- | --- | --- | --- |
| **PO-PSOs** | **Attainments in 2021-22** | **Action(s) taken in 2022-23 to improve the attainment** | **Proof Document(s) attached in Course File** |
|
|  |  |  |  |
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|  |  |  |  |

1. **Suggestions for Improvement: N/A**

|  |  |  |  |
| --- | --- | --- | --- |
| **SN** | **Suggestion** | **Relevance to CO** | **Relevance to PO/PSO** |
| 1. | Students need the few classes on basic introduction of AI life cycle | CO1 | PO1, PO3 |
| 2. | Some more realistic examples need to be discussed | CO3 | PO2, PO3 |
|  |  |  |  |

1. **Action taken for weak students:**

|  |  |
| --- | --- |
| **Action taken for weak students** | **Proof Document(s) attached in Course File** |
| Extra Assignment was given and extra lecture devoted to discuss the problems | Yes |

1. **Action taken for bright students :**

|  |  |
| --- | --- |
| **Action taken for bright students** | **Proof Document(s) attached in Course File** |
| PBL with pre known problem statement | Project Dumps available |

**Signature: Signature:**

**Module Coordinator: Course Coordinator:**