## List of Elective Courses:

**List of Elective Courses for BS (Computer Science) Program**

**Social Science Course(s):**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| AI Domain Electives | | | | |
| **Code** | **Course Title** | **Th** | **Pr** | **Cr Hr** |
| AIEXXX | Advance Statistics | 3 | 0 | 3 |
| AIEXXX | Agile Software Development | 2 | 1 | 3 |
| AIEXXX | Agent Based Modeling | 3 | 0 | 3 |
| AIEXXX | Cyber Physical Systems | 2 | 1 | 3 |
| AIEXXX | Data Mining | 3 | 0 | 3 |
| AIEXXX | Data-driven Decision Making | 2 | 1 | 3 |
| AIEXXX | Deep Learning | 2 | 1 | 3 |
| AIEXXX | Digital Image Processing | 2 | 1 | 3 |
| AIEXXX | Edge AI | 2 | 1 | 3 |
| AIEXXX | Expert Systems | 3 | 0 | 3 |
| AIEXXX | Fundamental of Data Science | 2 | 1 | 3 |
| AIEXXX | Fuzzy Systems | 3 | 0 | 3 |
| AIEXXX | Game Development | 2 | 1 | 3 |
| AIEXXX | Game Engine Development | 2 | 1 | 3 |
| AIEXXX | Generative AI | 2 | 1 | 3 |
| AIEXXX | HCI & Computer Graphics | 2 | 1 | 3 |
| AIEXXX | High Performance Computing | 2 | 1 | 3 |
| AIEXXX | Information Retrieval | 2 | 1 | 3 |
| AIEXXX | Introduction to Autonomous Robotics | 2 | 1 | 3 |
| AIEXXX | Knowledge Based Systems | 3 | 0 | 3 |
| AIEXXX | Large Language Model (LLM) | 2 | 1 | 3 |
| AIEXXX | MLOps | 2 | 1 | 3 |
| AIEXXX | Optimization Techniques | 3 | 0 | 3 |
| AIEXXX | Recommender Systems | 2 | 1 | 3 |
| AIEXXX | Reinforcement Learning | 2 | 1 | 3 |
| AIEXXX | Speech Processing | 2 | 1 | 3 |
| AIEXXX | Swarm Intelligence | 2 | 1 | 3 |
| AIEXXX | Theory of Automata | 3 | 0 | 3 |
| AIEXXX | Vulnerability Assessment &  Reverse Engineering | 2 | 1 | 3 |