

Department of Computer Science and Engineering

Minor in Artificial Intelligence and Machine Learning

Eligibility: This minor is open to all B.Tech./DD students **except** for students of B.Tech./DD in CSE and ID DD in Data Science.

Requirement: The student is required to complete **FOUR** courses from the list below.

Notes:

1. The department might not offer all these courses every year.
2. There will be **NO** special SEAT allocation for students looking to declare a minor in AI-ML.
3. It is the student's responsibility to ensure that the required pre-requisites are satisfied for the courses taken.
4. This list may be updated from time to time by the Department.
5. Courses from other Departments, and NPTEL or online courses will not be considered as equivalent to the courses listed, to claim the Minor.
6. A particular course can be used claim one Minor only.

S. No.	Course no.	Course Title
1	CS5691	Pattern Recognition and Machine Learning
2	CS6046	Multi-Armed Bandits
3	CS6250	Memory based Reasoning in AI
4	CS6300	Speech Technology
5	CS6350	Computer Vision
6	CS6370	Natural Language Processing
7	CS6380	Artificial Intelligence
8	CS6680	Planning and Constraint Satisfaction
9	CS6700	Reinforcement Learning
10	CS6720	Data Mining
11	CS6730	Probabilistic Graphical Models
12	CS6741	Statistical Foundations of Data Science
13	CS6770	Knowledge Representation and Reasoning
14	CS6910	Fundamentals of Deep Learning
15	CS6886	Systems Engineering for Deep Learning
16	CS6852	Theory and Applications of Ontologies
17	CS6464	Concepts in Statistical Learning Theory
18	CS6011	Kernel Methods for Pattern Analysis
19	CS6251	Computational Models of Cognition
20	CS5020	Nonlinear Optimization: Theory and Algorithms
21	CS6515	Stochastic Optimization

Minor in Computing

Eligibility: This minor is open to all B.Tech./DD students **except** for students of B.Tech./DD in CSE and ID DD in Data Science.

Requirement: The student is required to complete **FOUR** CSE Theory or Theory+Lab courses other than CS1100.

Notes:

1. There will be **NO** special SEAT allocation for students looking to declare a minor in Computing.
2. It is the student's responsibility to ensure that the required pre-requisites are satisfied for the courses taken.
3. Courses from other Departments, and NPTEL or online courses will not be considered as equivalent courses to claim the Minor.
4. A particular course can be used to claim one Minor only.