

## Post-Graduate Programs in Artificial Intelligence and Machine Learning

### Degree Names

Sl.	Full Name	Short Name	Remarks
1	Master of Science in Artificial Intelligence and Machine Learning	M. Sc. (AI and ML)	18 Credit courses + 18 Credits Thesis
2	Doctor of Philosophy	Ph.D.	Program Name: Artificial Intelligence and Machine Learning

### Admission Requirements

#### *For Master's Degrees*

The admission requirement for the Master's program is as follows:

1. 4-year B.Sc. in Computer Science and Engineering (CSE) or Electrical and Electronic Engineering (EEE) or Computer Science (CS) or relevant fields.

#### *For Ph.D. Degree*

The admission requirement for the Ph.D. program is as follows:

1. Master of Science in Artificial Intelligence and Machine Learning or Master of Science in Computer Science and Engineering (CSE) or Electrical and Electronic Engineering (EEE) or relevant fields.

## Degree Requirements

Program	Courses			Thesis/ Project Credit	Total Credit
	Total Number of Courses (Credit)	Number of Foundation Courses	Minimum Number of Core Courses		
M. Sc. (AI and ML)	6 Courses (18 Credit)	0	4 (at least one from Group 1)	18 Credit	36 Credit
Ph.D.	3 Courses (9 Credit)	0	2	45 Credit	54 Credit

### NOTES:

1. The remaining required courses (i.e., courses other than the Foundation courses and Core courses) can be taken from any PG courses.
2. The thesis/project must be on a topic relevant to the program area.

### Courses

#### ***Core Courses - Group 1***

1. CSE 6501: Advanced Artificial Intelligence
2. CSE 6512: Advanced Machine Learning

#### ***Core Courses - Group 2***

1. CSE 6505: Speech Recognition
2. CSE 6506: Data Mining
3. CSE 6507: Machine Translation
4. CSE 6508: Evolutionary Algorithms
5. CSE 6509: Text-to-Speech Synthesis
6. CSE 6510: Natural Language Processing
7. CSE 6511: Computer Vision
8. CSE 6701: Neural Networks
9. CSE 6704: Fuzzy Systems
10. CSE 6705: Meta-Heuristics
11. CSE 6708: Semantic Web
12. CSE 6709: Deep Learning
13. CSE 6710: Reinforcement Learning