

# CET252 Artificial Intelligence: NLP and the Future

**Level:** 2

**Credit Units:** 2.5 Credit Units

**Language:** ENGLISH

**Presentation Pattern:** EVERY SEMESTER

## Synopsis:

Artificial Intelligence (AI) is reshaping our lives. The vast amount of data being generated every day is beyond humans' ability to absorb, interpret and make decisions. The course will focus on how machines "learn" or are trained to simulate knowledge, the technologies utilised by AI companies and some common uses of AI, particularly Natural Language Processing (NLP).

## Topics:

- Introduction to AI and Natural Language
- Big information processing and retrieval
- Natural Language Processing
- NLP Essentials: Text processing
- Practical NLP exercises with Regex/Python
- Practical Applications of NLP in business

## Learning Outcome:

- Explain AI and its use cases
- Describe AI and Natural Language Processing principles
- Restate Big Data and its use cases
- Identify challenges of Big Data
- Discuss the landscape of AI and Big Data in the near future
- Demonstrate understanding of the solution behind real-world AI NLP problems

## Assessment Strategies (Evening Class):

Components	Description	Weightage Allocation (%)
Overall Continuous Assessment	QUIZ 1	30
	TUTOR-MARKED ASSIGNMENT 1	30
	TUTOR-MARKED ASSIGNMENT 2	40
<b>Total</b>		<b>100</b>