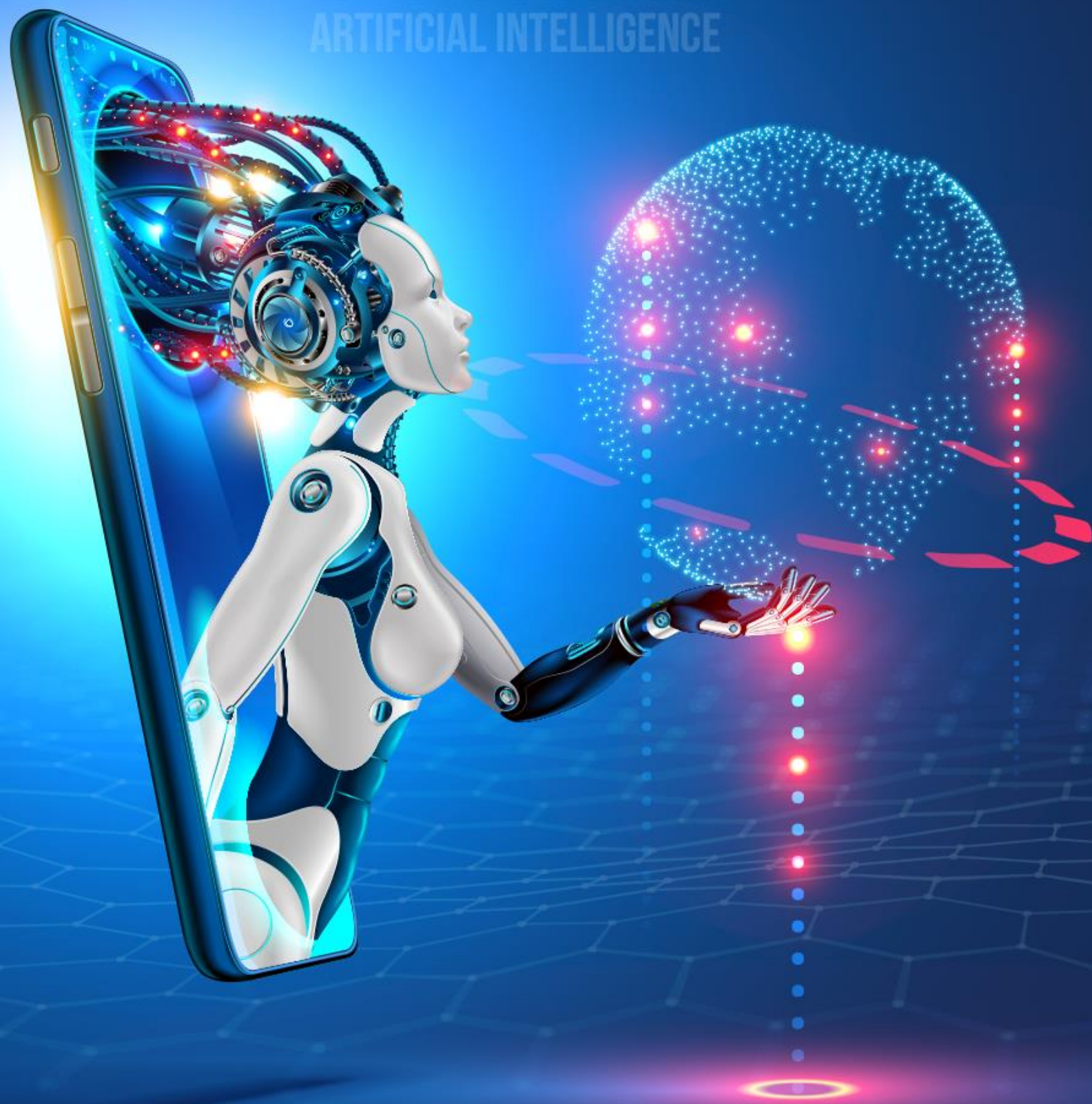


DATA AND ARTIFICIAL INTELLIGENCE



simplilearn

PURDUE
UNIVERSITY

Natural Language Processing

DATA AND ARTIFICIAL INTELLIGENCE



Course Introduction

Course Objectives

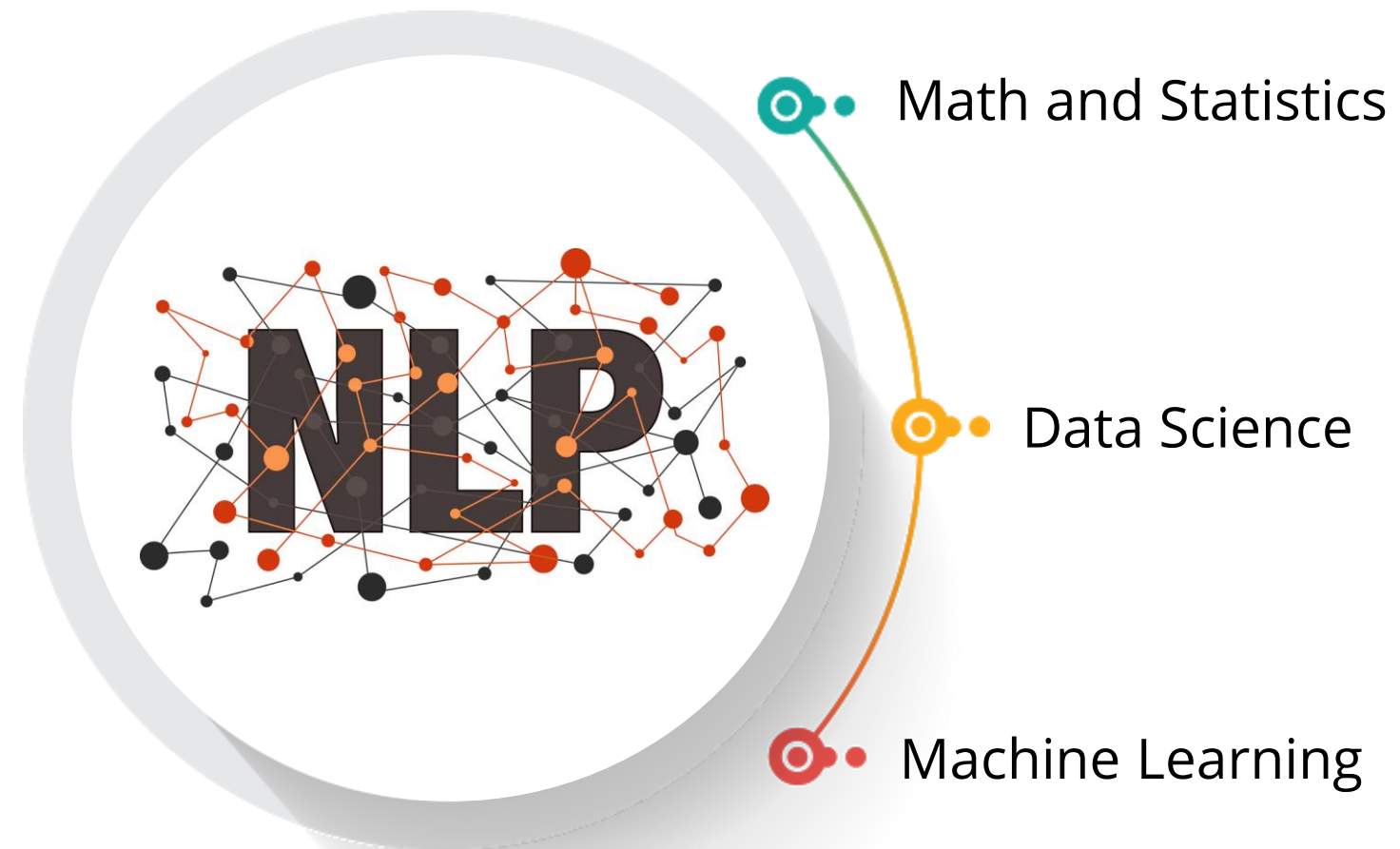
By the end of this course, you will be able to:

- Learn how to perform text processing and find a pattern
- Find the most relevant document by applying TF-IDF
- Write a script for applying parts-of-speech and extraction on focus words
- Create your own NLP module
- Classify the cluster for articles
- Create a basic speech model
- Convert speech to text

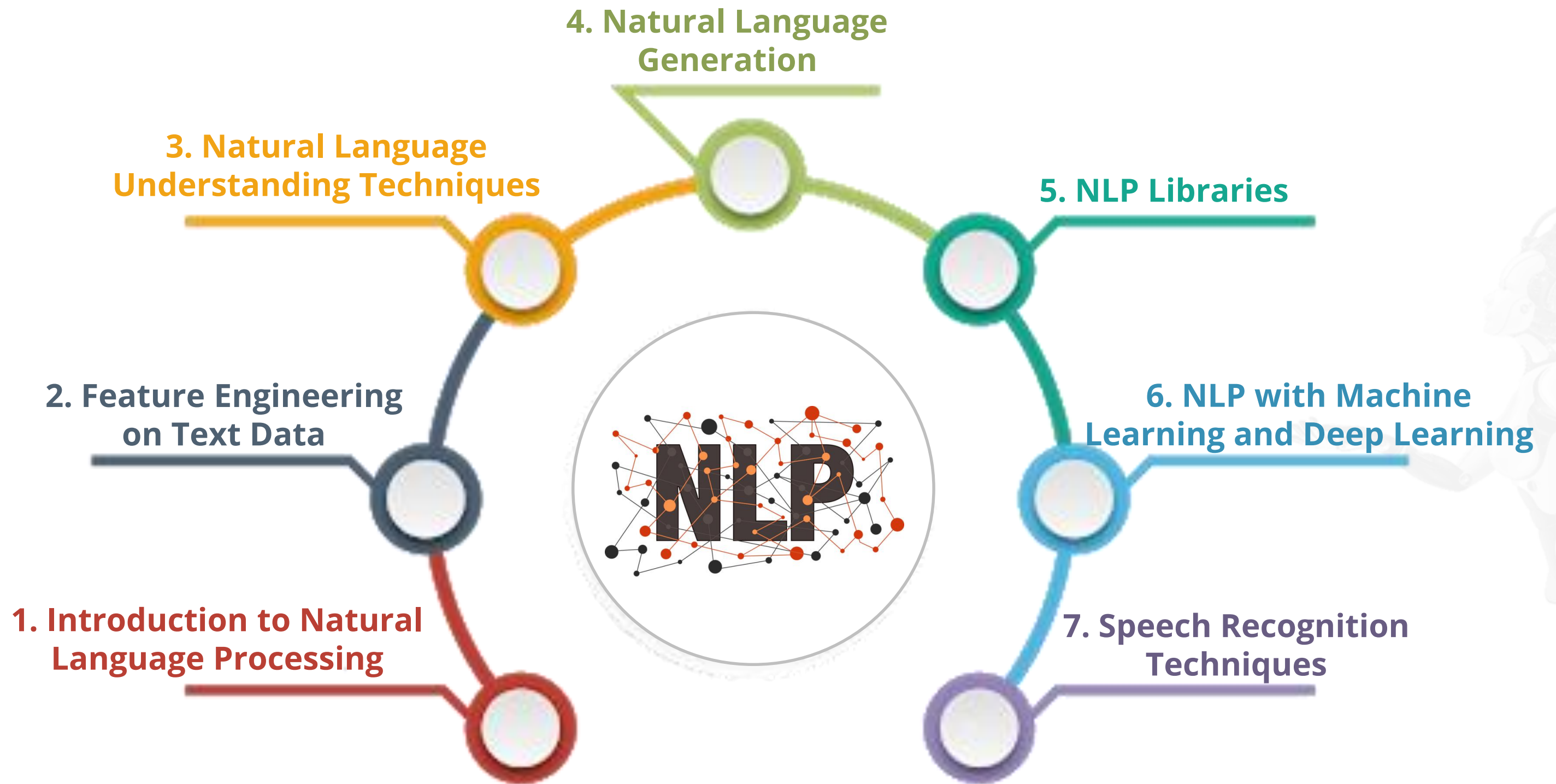


Course Prerequisites

The course requires prior knowledge of the following:



Course Outline



Project Highlights

Skills Covered:

- 1. Topic Modeling
- 1. Sentiment Analysis
- 1. Tokenization
- 1. Model Building



Use topic modeling to help a leading mobile brand understand the voice of the customer by analyzing the reviews of their product on Amazon.



Use NLP to help Wikipedia make a clean and toxicity-free community by identifying toxic comments from the discussions.



Use NLP techniques to help Zomato infer the ratings from the review text and identify cases of mismatch.



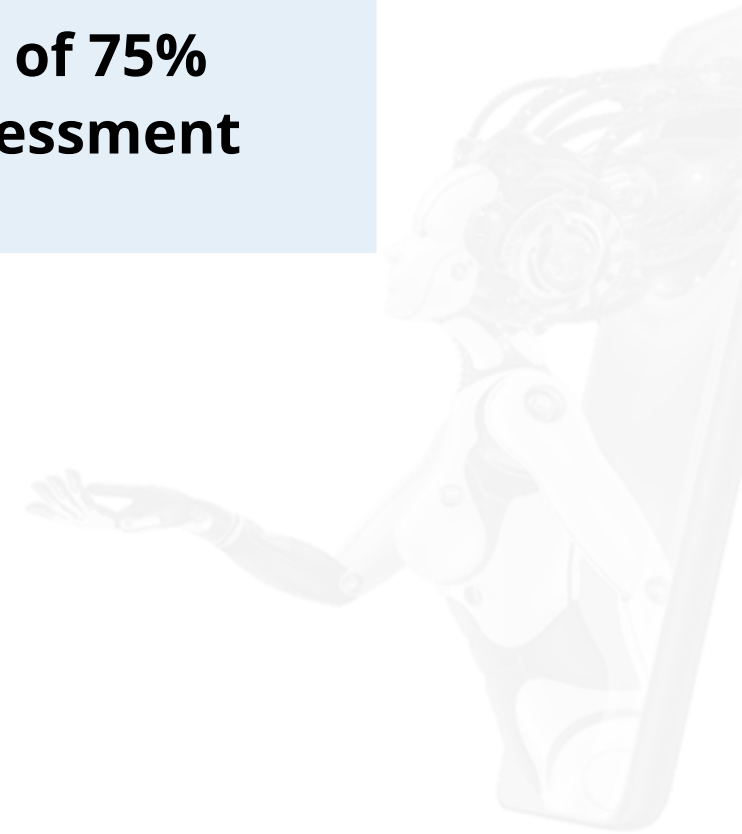
Use NLP to help Twitter counter hate speech by building models to identify it and associated hashtags.

Course Completion Criteria

**Attend all the Live Virtual
Classes (LVC) in a batch**

**Score a minimum of 75%
in course-end assessment**

**Submit at least one
course-end project**



Thank You