**MINI PROJECT – II**

**(2018-19)**

# COPY-CAT BOT

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**SYNOPSIS**



**Institute of Engineering & Technology**

**Department of Computer Engineering & Applications**

**Team Members**

Rishabh Sengar

(161500451)

Priyank Kaushik

(161500414)

Prashant Raghav

(161500401)

Ram Kamra

(161500437)

## Supervised By

**Mr. Piyush Khandelwal**

**Asst. Professor**

**About the Project:**

In this project, we will do Text Generation With LSTM (Long Short-Term Memory) Recurrent Neural Networks in Python with Keras .

We are going to learn the dependencies between characters and the conditional probabilities of characters in sequences so that we can in turn generate wholly new and original sequences of characters. In other words, we will create the dataset for the speeches of a particular person and then train the machine finally results in creating a model which could generate a speech for that particular person for his upcoming speeches. For this project we are going to do this for present India’s prime minister Mr. Narendra Modi.

**Motivation:**

Apple’s Siri, Microsoft’s Cortana, Google Assistant, and Amazon’s Alexa are four of the most popular conversational agents today. They all have different style of talking which was learned from huge user base. Therefore, here we are trying to copy the speech patterns to make a new speech.

**Future Prospects:**

Copy-cat Bot can be used to generate speech similar in a way of famous speaker’s style.

**Requirements (Minimum):**

1. **Hardware:**

* Intel i5 processor
* NVIDIA GPU
* 4 GB RAM

1. **Software:**

* Windows 10
* Jupyter
* Python IDLE
* Browser