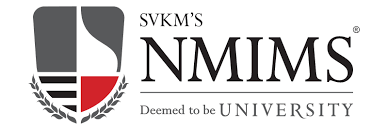
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**POST GRADUATE DIPLOMA IN DATA SCIENCE & ANALYTICS**

**TERM 3 – FINAL PROJECT WORK PROPOSAL**

Name of the Student: **Manoj Kumar** E-mail: [**manoj.kumar06@nmims.edu.in**](mailto:manoj.kumar06@nmims.edu.in)

Project Mentor: **Prof. Mr. Krishna Durbha** E-mail: **krishna.durbha@sbm.nmims.edu**

**Project Title:** Sentiment Analysis on the public comment for a prediction done by Financial firm Moody's Analytics on 2020 US election.

**Scope of Work:**

**Methodology:** A suitable methodology will be implemented during the Text Analytics by using Python Programming Language to perform Sentiment Analysis on the scraped data from YouTube video link.

The following methodologies will be implemented during this project:

1. **Web Scrapping -** Of thepublic comments for one of the below YouTube video links from Moody’s Analytics for US 2020 Presidential election prediction using my API Key.

<https://www.youtube.com/watch?v=tAiQika1joo>

1. **Text Pre-processing in Natural Language Processing:**

Convert to Lower Casing

Removal of Punctuations

Removal of Stop words

Removal of html tags, URL

Lemmatization

Stemming

Removal of Emojis

Removal of Emoticons

1. **Sentiment Analysis:** Performing sentiment Analysis using the below:

Opinion Lexicon dictionary

Vader Lexicon dictionary

Signature of Project Guide Signature of Student

Date: