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**Manipal University Jaipur**

**School of Computing and Information Technology**

**Department of Information Technology**

**Guide Consent Form for Minor Project IT1634 (2021)**

**[To be Filled and Submitted by Student to Project Guide]**

1. **Broad Area to Which Project Belongs**: Natural language processing (NLP)
2. **Expected Title of the Project**: Emotion classification in HINGLISH social media text using supervised machine learning algorithm
3. **Students Working on the Project [Not More Than Two Students]**

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| **S.NO** | **Name** | **Registration Number** | **Section#** | **Mobile** | **E-Mail** |
| **1** | Siddhant Bhanot | 189402111 | B | 7838332124 | siddhant.189402111@muj.manipal.edu |
| **2** | Sagar Rajput | 189303154 | B | 9174777481 | shaanrj742@gmail.com |

1. **Need for the Project (Motivation):**

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| Unlike sentiment analysis, emotion analysis gives more information about the data, bringing the real feeling of the sentence wherein the emotion can be classified as anger, fear, happy, disgust, etc. This model can be used for a variety of reasons, some of which are: -   1. Finding how happy a countries citizen is for research purpose. (Happiness index) 2. Understanding of the reviews given by the consumer for a product 3. Can be used by recommender systems for giving relevant suggestion to a user based on his/her emotion. (for example: YouTube comments). |

1. **Main Objectives [Max. 2-3 Via Bulleted Points]**

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| * Scarping of multilingual social media comment from twitter or Facebook * Extracting suitable feature using deep learning or lexical resource. * Identify suitable classifier for the annotated scraped dataset |

1. **Proposed Methodology [Briefly Mention How You Will Achieve Your Above-Mentioned Objectives]:**

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| First, we will need to collect data for our dataset. This can be done by collecting Twitter and Facebook posts using their respective api’s and web scrapping. Then we will clean the data and give appropriate labels to the cleaned data. Once the dataset is ready, we will develop a suitable NLP model by training it on the scraped and cleaned dataset. |

1. **Expected Knowledge to be gained by the student after completion of the project (Bulleted points)**

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| * Web Scrapping * Data cleaning * Tokenizing the text corpus * Developing NLP model (RNN) |

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|  |  |
| Signature Student-1 (With Date) | Signature Student-2 (With Date) |

**Project Guide Details Minor Project Coordinator**

Name: Name:

Mobile: Signature (With Date):

Email:

Signature (With Date):