**Lab MST Performa (Disruptive Technologies-1)**

**Section: 22BCB-124 Group: A**

Title of the Project: **Cyberbullying Classifier**

Names and UIDS of group members:

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Problem statement:

**Often people are targeted and cyberbullied on social media platforms like Discord, Twitter, Reddit and Instagram. We aim to make a text classifier that classifies tweets from twitter as ‘not\_cyberbullying’ or ‘cyberbullying’ with it’s type – racial, age based, gender based, etc.**

Key Features/Benefits:

* **Attempt to detect Cyberbullying from posts on social media.**
* **Text Classification using SVMs (Support Vector Machines)**
* **Dataset used : 46 thousand labeled tweets from twitter**
* **Detect and prevent Racism, Sexism, Religionism, etc**

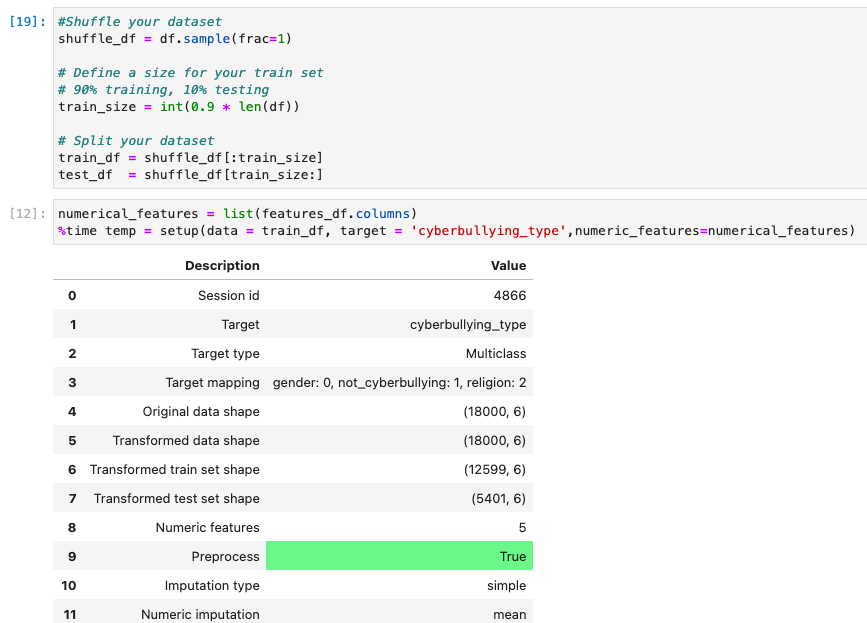
Software used:

* **Python3, Google Colab/Jupyter notebook**
* **Github for code collaboration**
* **Pandas, Numpy, Matplotlib**
* **PyCaret, Tensorflow**
* **Kaggle Platform**

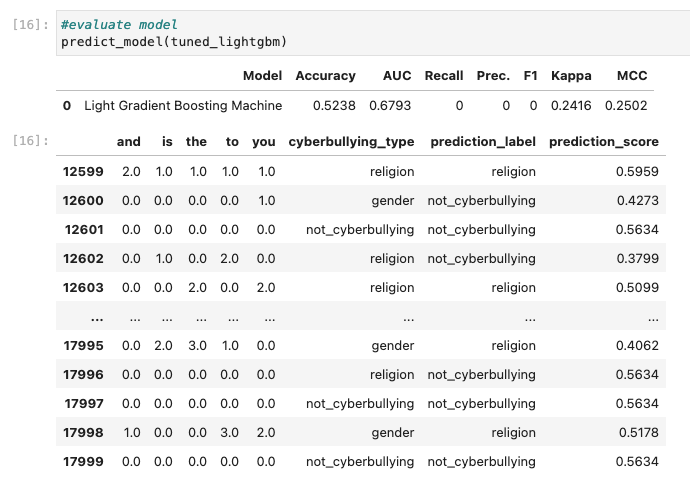
Deliverables:



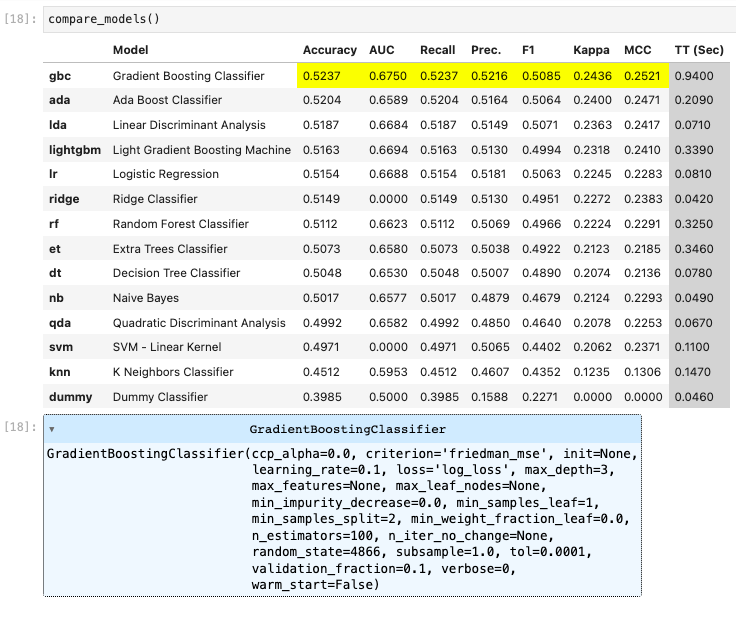
1: Vulgar Speech Dataset (40thousand + columns)



2: Splitting dataset into training and testing parts



: Testing our trained model



4: Comparing accuracy with different models