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PROJECT UPDATES

**CSE 350 : Project Work-III**

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Smart Personality-Prediction-System

# Goals/Objectives

1. Predicting the personality of an individual using machine learning algorithms to and give a summary of the overall character more precisely.
2. Human personality plays a major role in his both personal, social and professional life as well, nowadays many organizations have also started shortlisting the candidates based on their personality.
3. Besides, people prefer finding right candidates based on personality incase of friendship, marriage, business partnership etc.
4. Gaining insight into human personality. Its impact on human behavior is very valuable in many fields.

# Features/Service

* The model predicts personality combining *ML algorithms* like KNN, CNN and *Logistic regression*.
* User Module : User login, getting several primary data.
* Takes user responses to various queries and puts the user into 5 personality classes according to *Big 5 model*.
* The questionnaire contains several qs, each from *5 traits and other criteria*.
* Also identifies some *key personalities* using factor analysis method
* Gives an overview.

# Milestones & Team Roles

1. Understanding the system architecture : Exploring some related systems and understanding the overal structure of the proposed system.
2. Preparing a project milestone : Creating a project timeline according to our goal.
3. Backend : We use Django for backend. Learnt Python basics & some related libraries for ML algorithms.
4. Learn tools for ML (Tensorflow) : Learning phase
5. Feature Implementation : We will implement the features involved with the system using required tools.
6. Datasets : We’d use as more as possible datasets and testing sets.
7. Performance Metrics :

We’d try to have the outcome with more Accuracy, Precision, Good user experience etc as *evaluation/performance metrics*.

1. Demonstration :

Showcasing Project Achievements Dates - Dec 29, Jan 14, Jan 27

# Timeline & Roles at a Glance

| **Milestones** | **Timeline** | **Role** |
| --- | --- | --- |
| Planning the project Milestones | Nov 25, 2022 | Junaed |
| Learning Tools & Technology | Nov-Dec 2022 | Both |
| Feature Implementation | Dec-Jan 2022 | Both |
| Datasets Management | Jan 2023 | Milon |
| Estimated Final Demonstration | Jan 31, 2023 | Both |