1. Title **of the project**: Myers-Briggs Personality Type System
2. Team:
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3. Problem definition: In this project we are going to design a system which uses Myers-Briggs type indicators to detect personality type of any given person.
4. Motivation:
   1. Why is it interesting?

It is interesting as there is no specific test that is currently in use that can detect the personality type using four principal psychological functions, sensation, intuition, feeling and thinking. Understanding and being able to evaluate the different personalities would be a sheer delight for people in the fields that involve public interactions.

* 1. Where do you think it's going to be used, i.e., application area?

This system once established can be used by the judicial system to understand the personality traits of an individual and evaluate the individual for further processing.

A screenshot of a cell phone

Description automatically generated

Figure [1]: Varied Personality Types

1. Literature review: What reading will you examine to provide context and background? Please put citations of the article/blog posts, and add a full reference information at section IX below [1], [3], [5].
2. Dataset: What data will you use? If you are collecting new data, how will you do it?

The datasets that we are using during the course of this project consist of the principle indicators which are Introversion(I)-Extroversion(E), Intuition(N)-Sensing(S), Thinking(T)-Feeling(F) and Judging(J)-Perceiving(P). The dataset is obtained from Kaggle which is based on cognitive functions by Carl Jung called Jungian Typology.

1. Proposed method**:** What method or algorithm are you proposing? If there are existing implementations, will you use them and how? How do you plan to improve or modify such implementations? You don't have to have an exact answer at this point, but you should have a general sense of how you will approach the problem you are working on.

We are using the MBTI type indicators to conclude a complete personality of a person. The MBTI type indicators are very popular for recognizing the personality, we are making it more accessible and use them to depict a person’s personality. The existing models just use the MBTI system to give manual output. It is still clung to as being a very useful tool in lot of areas, we are helping to see if any patterns detected to decide on one’s personality.

1. Evaluation: How will you evaluate your results? Qualitatively, what kind of results do you expect (e.g. plots or figures)? Quantitatively, what kind of analysis will you use to evaluate and/or compare your results (e.g. what performance metrics or statistical tests)?

Introversion(I)-Extroversion(E), Intuition(N)-Sensing(S), Thinking(T)-Feeling(F) and Judging(J)-Perceiving(P). These are the parameters we are using. The combinations of these parameters i.e for example [ISTJ ISFJ], [ENFP ENTP] are the combinations we need and from those combinations we could conclude on what kind of person he is and what is his personality.

Qualitatively, we are expecting the right combinations knowing the complete parameters of the specific person. Quantitatively, we are using the myers-briggs type system to conclude on the perfect personality.

1. List of references: Enumerated list of references you cite in the proposal. If you add a figure in the report that you copied from some website, put a number, say [12] at the caption of the figure and add a reference entry [12] here in this section containing the web address.

<https://www.psychometrics.com/assessments/myers-briggs-type-indicator>

<https://www.kaggle.com/datasnaek/mbti-type>

[1]<https://www.bing.com/images/search?view=detailV2&ccid=Hj0FEGLJ&id=4E81B630B57432022226D3469AF4A8FB9BF4CE90&thid=OIP.Hj0FEGLJbGdkK-ucQH9mtgHaFP&mediaurl=https%3a%2f%2fen.islcollective.com%2fpreview%2f201704%2fb2%2fshort-myers-briggs-personality-test-fun-activities-games_97966_1.jpg&exph=425&expw=601&q=Myers-Briggs+Personality+Test+Funny&simid=608030311911063727&selectedIndex=79&ajaxhist=0>