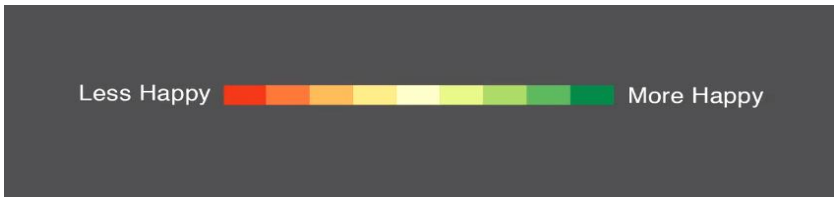
Mood Visualization



Overview:

The project aims at building an interface to detect moods and feelings of subjects, storing and analyzing the data and finally present it as visuals and abstract paintings. Its use can be extended to generate 'a painting for a book'.

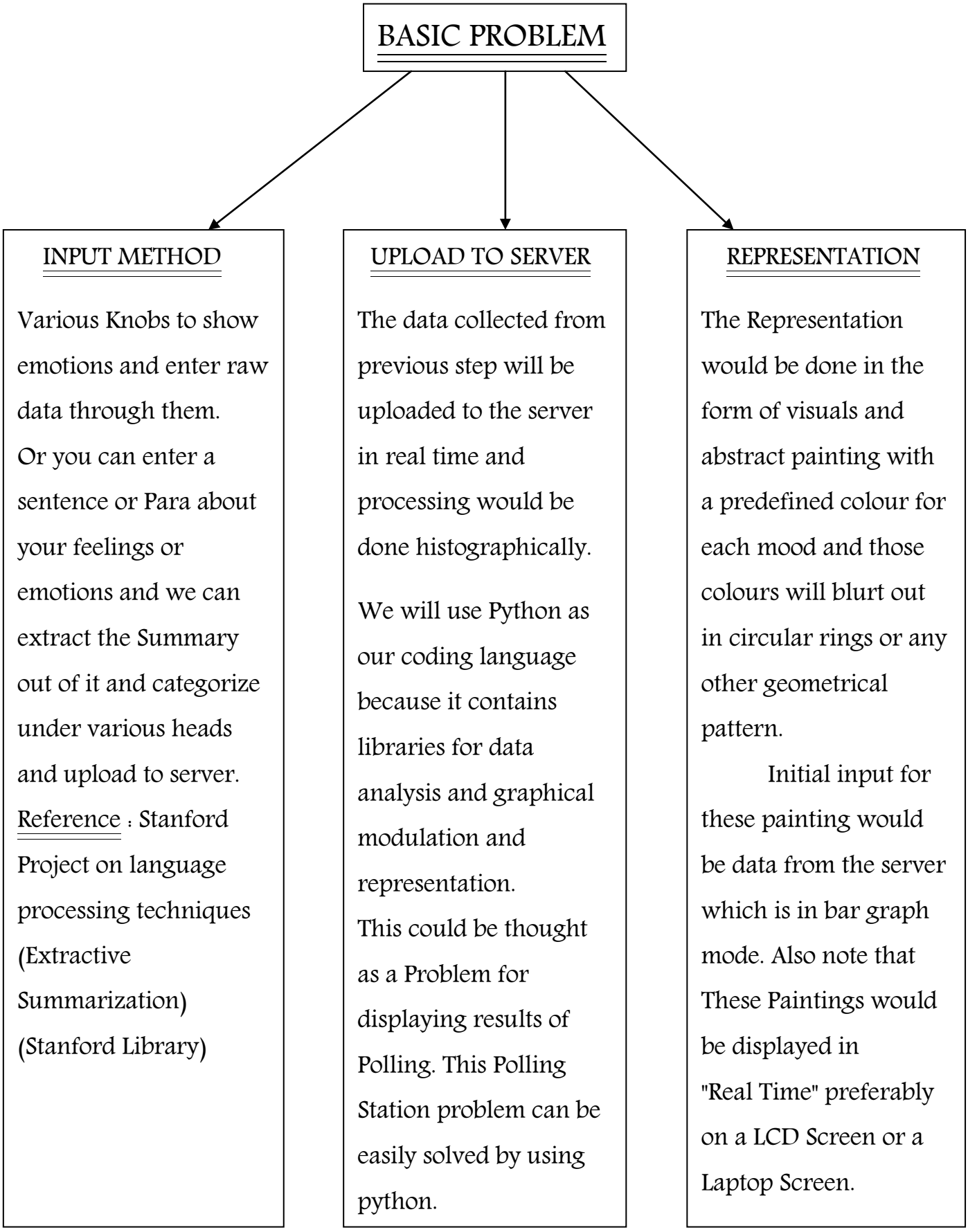
Features:

The subject will enter a sentence or two to express his or her feelings and then using extractive summarization we will gauge the emotions. We will add knobs for various parameters which the subject can use to rate his emotions on a scale. This data will then be uploaded to a server in real-time.

This data will be analyzed to find the effect of various events on the overall emotions of the target group. The result will be displayed in the form of graphs. We will work on a creative visualization where each emotion will be assigned a particular colour. Every entry by the subject will add the colour representing that emotion.

Implementation:

* The Basic problem can be divided into 3 parts *



Timeline:

Phase 1: We'll work on taking input from the subject. The problem of extracting emotions from the entered sentence will also be solved during this phase,

Phase 2: We'll tackle the problem of uploading the data to the server and then analysing it to generate bar graphs.

Phase 3: In this phase we'll work on visual representation of the data

Hardware:

Arduino, Knobs (fan regulator may work),Router.

References:

Detecting emotional scenes using Semantic Analysis on Subtitles Chetan Kalyan, Min Young Kim Stanford University.

MIT Video of converting emotions of the city into painting.

Further Implementation :

- A Painting can represent a "Book" by analysing its content and emotions like suspense, horror, love, mystery or crime.
- A movie can even be represented as painting on basis of Subtitles.

Role of Team Members:

Vishal Rana : Hardware

Naman Gupta: Programming

Rohit Gupta: Programming

Abhishek Raj:

Vijayraj Ghade:

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