**Project**: VAST 2010 MC2: **Characterization of Pandemic Spread**

**Team Members:** Vamsi Krishna Kanagala / Sai Teja Vishal Jangala / Pavan Kalyan Reddy Thota / Manikanta Vankayala / Chandrahaas Chintalaboguda / Arun Raj Deva

**Completed Tasks**:

Vamsi Krishna Kanagala: UI Design

Sai Teja Vishal Jangala: UI Design

Chandrahaas Chintalaboguda: UI Design

Pavan Kalyan Reddy Thota: Data pre-processing

Manikanta Vankayala: Data pre-processing

Arun Raj Deva: Data pre-processing

Data pre-processing: The given raw data needs to be processed before implementing visualizations. First step, we have analysed the different syndromes given in the dataset and assigned a common alias for the same type of syndrome. For example: abdomen, abd, ab pain all represent the same syndrome abdominal pain. In a few other cases we had multiple symptoms without space example: Coughpain, two seperate symptoms are not separated by ‘,’ , or ‘ ‘. Finally we also handled a few common spelling mistakes.

UI Design: As a first and foremost step of the project, we worked on creating the user interface of our application. First we designed the layout of how each page of our application should look like and once after finalizing, we started the coding part. We created our web pages including Bootstrap in it, which makes our web pages more responsive. In our homepage we have included a carousel and navigation bar along with few other elements. The carousel will give us the overview of the visualizations and the navigation bar will help to switch to a particular visualization directly. We have checked the responsiveness of our webpages by including corresponding sample visualizations, and thereby creating a complete blueprint of our application.

**Current Tasks:**

Vamsi Krishna Kanagala: Working on 2nd visualization according to approved proposal.

Sai Teja Vishal Jangala: Working on 2nd visualization according to approved proposal.

Pavan Kalyan Reddy Thota: Working on 3rd visualization according to approved proposal.

Manikanta Vankayala: Started working on 1st visualization as per proposal.

Chandrahaas Chintalaboguda: Working on 1st visualization according to approved proposal.

Arun Raj Deva: Working on 3rd visualization according to approved proposal.

**Remaining Tasks for Project Completion:**

Need to complete the visualizations which we are currently working on and should start the remaining visualizations. Once after completion of all the visualizations, we should integrate them into our application.