**PROJECT PLAN DOCUMENT**

**(Due: 25th August, 2016)**

*Note: this is a “living document”, meaning its content will change with the implementation of the project. Use it to plan the project to ensure on time delivery of each project deliverable. Remove this text and the descriptive paragraphs in each section including this line (given in blue) stating what to do before you add this to your repository or turn it in to your instructor.*

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| Project number | ***SSAD05*** |
| Project Title | ***Fine-Grained Data Visualisation*** |
| Document | Project Plan |
| Creation date | ***27/08/2016*** |
| Created By | ***Mohit Chandra***  ***Team Members: Mohit Chandra, Yash Verma, Nikhil Gogate*** |
| Client | ***Dr. Kamalakar Karlapalem*** |

# Brief problem statement

The project mainly deals with the problem of representing millions of “data points” in a small area to reflect some useful information or pattern. The data points referred here are basically pixels and this pixel density would be responsible for reflecting the information to the user. The main problem with this is how we can efficiently represent those points in the desired way.

# Team Members

Mohit Chandra , Yash Verma , Nikhil Gogate.

# Team Communication

**Mode of communication with team members:** Whatsapp Group , Meeting in every 3-4 days.

**Mode of communication with Mentor:** WhatsApp Group

**Mode of communication with Client:** Email and 1 meeting per week.

# Development Environment

**Technologies:** Python libraries ( Matplotlib, Dlib, CV2, Plotly)

**Text-Editor:**  Vim Editor and Sublime Text 3

**Platform:** GNU Linux (Ubuntu)

# Milestone Schedule

**EXPERIMENT WITH NEW IDEAS AND TECHNOLOGIES:**

**1) Explore various Python libraries to get co-ordinates of points and plotting those points.**

**2) Learn about Delaunay triangulation , Heat Maps and Open CV.**

**3) Create Test code for Heat Maps and Delaunay Triangulation.**

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| **Milestone** | **Due Date** | **Release** | **Deliverable?** |
| *Create draft requirements* | 27/08/2016 | R1 | No |
| *Learn Delaunay triangulation and Heat Maps* | 01/09/2016 | R1 | No |
| *Create Test Product* | *01/09/2016* | R1 | No |
| *Work on Actual Product* | *16/09/2016* | R1 | Yes |
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