

Project Milestone Report

Project Sponsor: – Australian Data Science Education Institute, Dr Linda McIver

Project Description: A Visualization project to educate High School Students in gaining insights from real world datasets.

Sprint 1 Outcomes

Item	Planned (Y/N)	Done (Y/N)	Actioner	Outcome URL/Justification for non-completion
Dataset Research and Selection	Y	Y	Pratik Bhandari, Usman Syed, Anish Pandey	Narrowed down options to 3 different datasets. Selected Climate Change Dataset.
Initial Website Mock-up Design	Y	Y	Pratik Bhandari	Designed Mock-up to visualize layout of initial website.
Research utilization techniques of Visualization tool	Y	Y	Rohail Khan, Mohith Pendyala, Venkata Seerapu, Faiq UI Hassan	Learned how to use visualization tools to make relevant visual graphical representations.
Selection of Web Technology to be used	Y	Y	Faiq UI Hassan, Venkata Seerapu, Usman Syed, Pratik Bhandari, Anish Pandey	Selecting Node.js as the server-side tech to be used by the planned web application.

Sprint 2 Outcomes

Item	Planned (Y/N)	Done (Y/N)	Actioner	Outcome URL/Justification for non-completion
Designing/Implementing Website Layout according to initial mock-up.	Y	Y	Faiq UI Hassan, Venkata Seerapu, Rohail Khan, Mohit Pendyala	Finished designing the initial mock-up design planned by UI/UX designer
Basic Visualization Samples	Y	Y	Rohail Khan, Faiq UI Hassan, Durga Seerapu	Some basic visualization charts created.
Nodejs Server Creation	Y	Y	Durga Seerapu, Faiq UI Hassan	Server side of the Web application created using Nodejs

Roadmap Updates

Sprint 3

Goals

Sprint 3 is focused on implementing multiple pilot visualization charts onto the website which has been setup in the previous sprint along with enhancing the design layout of the website as well.

Target deliverables

- A partially designed website with a working visualization tool implemented with the selected dataset showcasing a few basic charts.

Sprint 4

Goals

Sprint 4 is focused on finalizing the details of the website design along with added interactive functionalities of the visualizations created in the previous sprint.

Target deliverables

- A fully working website with a complete visualization tool having various interactive functionalities showcasing selected dataset and its insights through well designed graphical charts and other visual representations.

Final deliverables

- A well-designed web application with ease of usability and navigation.
- A fully working visualization tool implemented with the corresponding selected dataset.
- Multiple visualization representations such as graphs, charts etc. providing insights on the corresponding dataset.
- Interactive functionalities of visualizations allowing users to fully immerse themselves when interacting with them.
- Stand-alone executable files of visualizations as requested by the client.