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DARTS Dashboard Analytics for Reporting in Tactical

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DARTS Dashboard Analytics for Reporting in Tactical

ABSTRACT

Through the creation of DARTS, we intend to automate the process of insight creation and presentation of the information gathered, which is currently manual, through a visually appealing dashboard. We are thereby enabling the stakeholders of the project to be informed of the current progress in the department and also obtain a concise but precise view of the work done so far.

This project begins by gathering information from the stakeholders in the given project, planning out the timeline of the project and setting deadlines.

The next step involved the designing the interface by creating a visual layout proceeded by designing the data structures relevant for the creation. We have made use of DASH and Microsoft SQL Server for creating the proposed design.

We finally deploy the dashboard on the web for use by using Flask.

As a result of this project, the senior management, Executive Committee members and the Tactical solutions team can now be informed of the current progress in the projects and also obtain a summarized view of the solutions developed so far at their fingertips. The company as a whole also benefited due to the improved productivity of the team as well as alignment to the company objectives and goals. This project has proven the effectiveness of Dash as a great full-stack tool for building online Dashboards and also the need for such dashboards for a company.

[Information systems]: Information systems application|Decision Support Systems, Data Analytics; Information Retrieval| Business Intelligence

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