



Project Title: Career College- Management Dashboard

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Project Description/Outline:

Objective of this project is to create a management dashboard to monitor performance of key parameters for a career college. This dashboard will visualize key parameters for admissions, student operations and financial metrics for the management team to view the overall health of the business.

Analytical tool will be used to collect data from multiple sources/systems and machine learning will be applied to predict student dropouts with a goal to improve student retention rate.

Project Tools:

- a. Python Pandas
- b. Python Matplotlib
- c. HTML/CSS/Bootstrap
- d. JavaScript Plotly
- e. Postgres Database
- f. scikit-learn

Rough Breakdown of Tasks:

- a. Data Cleaning/Merging
- b. Create a database to store the data
- c. Create a dashboard
- d. Render data from the database to the website/dashboard
- e. Predict student dropouts using ML