**IS-5960-04: MRP**

**Employability Analytics Project**

**Week 7 Deliverable:**

**Preliminary design of application’s user interface**

**Group Name:** Team 16

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**Introduction**

Our Employability Analytics Dashboard is designed to provide career advisors with real-time job market insights for Business Analysts, allowing them to compare trends, identify outliers, and access detailed employment data. The interface is structured to enhance usability, interactivity, and accessibility, ensuring that career advisors can make data-driven recommendations to job seekers efficiently.

**Design Justification**

We have prioritized clarity and functionality by organizing the dashboard into three main sections: Navigation Menu, Data Visualizations, and Interactive Filters.

* The Navigation Menu (Left Side) ensures quick access to key insights such as Job Market Trends, Salary Benchmarking, and Candidate Interest for Business Analysts, allowing users to switch between different views seamlessly.
* The Main Dashboard Area (Center) presents line charts, bar graphs, pie charts, and heatmaps, making it easy to compare employment trends, detect industry shifts, and highlight in-demand skills for Business Analysts.
* Interactive Filters (Right Side) allow users to adjust salary ranges, select timeframes, and filter by industry, state, or experience level, enabling precise data exploration.

**User Needs Addressed**

* Comparing Trends: The line chart for job trends helps track hiring fluctuations for Business Analyst roles over time.
* Identifying Outliers: The salary benchmarking bar chart highlights pay gaps for Business Analysts across states and industries.
* Accessing Detailed Insights: The candidate interest heatmap provides a state-wise breakdown of demand for Business Analysts, enabling career advisors to pinpoint opportunities.

Our design ensures a seamless experience, minimizing cognitive load while maximizing insight accessibility, ultimately empowering career advisors to support Business Analyst job seekers effectively.