CAREER PATHWAY

23MCA246 – Main Project

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**DEPARTMENT OF
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ABSTRACT

Topic : Career Pathway

About

CareerPathway is an intelligent educational and career guidance platform designed to help students navigate overwhelming academic and professional choices by offering personalized recommendations through a machine learning (ML) engine. The system analyzes users' educational backgrounds, psychometric test results (assessing quantitative, mathematical, and verbal skills), and career aspirations using ML models like Decision Trees to suggest tailored career paths and courses that address skill gaps or align with strengths. It features modules for user, course, and job management, enabling administrators to curate listings while allowing students to explore career options, filter courses by category, and access job details. Additionally, the platform includes interactive elements such as educational blogs moderated by admins, user-generated content, and mock tests for skill assessment. By integrating data-driven insights with comprehensive resources, CareerPathway aims to streamline career decision-making while fostering a collaborative space for students and institutions to share knowledge.

Technologies used:

- ❖ **Front End**
  - ➢ React JS
- ❖ **Back End**
  - ➢ Node JS
  - ➢ Express JS
  - ➢ Mongo DB