

BIG DATA ANALYTICS PROJECT SPECIFICATIONS

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PROJECT OVERVIEW:

The Big Data Analytics project serves as the culmination of the Mastering Big Data Analytics course. The objective is for students to apply their acquired knowledge in a practical setting within a chosen domain. The project emphasizes continuous assessment through regular submissions and allows students to showcase their progress through presentations.

PROJECT REQUIREMENTS:

1. Domain Selection:

Choose a specific domain within the provided list (e.g., healthcare, social media, smart cities, e-commerce) or propose a different domain related to Big Data analytics.

2. Weekly Submissions:

After each class, submit components related to the two sessions covered in the previous week.

Components may include data samples, code snippets, analysis summaries, and any challenges encountered.

3. Presentation Sessions:

During select sessions, students will present their progress to the class.

Presentations should cover achievements, challenges faced, and solutions implemented.

4. Final Project Report:

A comprehensive report detailing the entire project must be submitted at the conclusion of the program.

The report should include an introduction to the chosen domain, problem statement, methodology, data sources, tools and technologies used, analysis results, and conclusions.

5. Technological Stack:

Utilize appropriate Big Data technologies and tools learned during the course.

Clearly specify the tools used, reasons for their selection, and how they contribute to the project.

6. Real-World Relevance:

Emphasize the practical application of Big Data concepts to address real-world challenges within the chosen domain.

Demonstrate how insights gained from the analysis can inform decision-making or bring about improvements.

EVALUATION:

Weekly Submissions (10%): Consistency and quality of weekly submissions showcasing progress and understanding.

Presentation Sessions (15%): Clarity of presentation, articulation of ideas, and ability to address questions from peers and instructors.

Final Project Report (15%): Depth of analysis, adherence to the chosen domain, clarity in presentation of findings, and overall coherence of the report.

CONCLUSION:

This project serves as a practical application of the Big Data concepts learned throughout the course. It provides an opportunity for students to showcase their analytical skills, problem-solving abilities, and the application of Big Data technologies in addressing real-world challenges within their chosen domain. The project is designed to reinforce the course's objectives and ensure that students are well-prepared for strategic and innovative use of Big Data in their professional careers.