

Project Design Phase-I
Proposed Solution

Date	20 Oct 2023
Team ID	NM2023TMID01820
Project Name	Unleashing the Potential of Our Youth. A Student Performance Analysis

Proposed Solution :

S. No	Parameter	Description
1.	Problem Statement (Problem to be solved)	“Student performance analysis and improvement recommendations” project is to improve academic performance by analysing and identifying areas of strength and weakness for student’s classes and schools, this project emphasizes the importance of data driven analysis to identify factors contributing to student success or challenges and to provide recommendations for improvement.
2.	Idea / Solution description	Collect and analyse relevant data sources using IBM Cognos to track the progress and identify factors contributing to success or challenges and visualize the student’s performance using dashboards, reports and story embed with UI with Flask.
3.	Novelty / Uniqueness	This project sees a growing demand for data-driven approaches education and identifies students, teachers and administrators struggling with academic performance. They see educators and institutions implementing similar projects and following webinars, tutorials and research papers on data driven approaches to educate and improve the academic outcomes.
4.	Social Impact / Customer Satisfaction	The educational institutions will be benefited by this project. They can easily able to identify their student’s performance, goals, and track progress over time.
5.	Business Model (Revenue Model)	A student performance analysis model involves offering customized reporting and analysis services to schools or colleges. This can include creating custom reports and data visualizations based on the specific needs of the institutions.
6.	Scalability of the Solution	Combining IBM Cognos with Flask can provide a powerful solution for tracking student progress and identifying factors contributing to success or challenges. The combination of these tools can help educational institutions to gain insights into student performance and take

		appropriate action to improve learning outcomes.
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