Bangabandhu Sheikh Mujibur Rahman Science and Technology University
Department of Computer Science and Engineering

Software Development Project Proposal

Project Title: **EduAssess360 – AI based Exam and Preparation** | Type: Mobile Application

Student Information:

Name	Nahidul Islam Shakin
Id No.	18CSE246
Session	2018 - 2019

Supervisor Information:

Name	Sakifa Aktar
Designation	Assistant Professor

Co-Supervisor Information (If any):

Name	
Designation	

Introduction:

Students struggle with inefficient exam preparation and lack of personalized feedback. EduAssess360 addresses these issues by offering an AI-driven platform that provides tailored study resources and detailed performance analysis, improving exam readiness and learning efficiency.

Goals/Statement of Purposes:

The purpose of EduAssess360 is to improve exam preparation by providing personalized feedback, accessible study resources, and structured practice through an AI-driven platform.

Deliverables/Objectives:

Upon completion, EduAssess360 will deliver a cross-platform mobile app for Android and iOS, featuring an AI-driven system for personalized feedback and category-wise exam preparation. The project will also include web-based admin and teacher panels for content management, along with a secure MySQL database for storing user data and exam results.

Success Criteria/ Highlight the Benefits:

EduAssess360 will improve exam readiness by providing personalized study guidance, reduce time spent on finding resources, and increase the accuracy of performance analysis, leading to better exam results and higher user satisfaction.

Methods/Approach:

The project will follow the Agile methodology, enabling iterative development and continuous feedback. Using the MVVM architecture, the app's front-end will be developed with Flutter, while the back-end will utilize Django. The process will include regular sprints, user testing, and incremental releases, ensuring a responsive and adaptable development process.

Technology Stack/ Resources:

The project will use Flutter with Dart for front-end development and Django with Python for back-end. MySQL will serve as the database, and custom AI algorithms will handle result analysis and note generation. Development tools include Android Studio, Visual Studio Code, and PyCharm. The app will be deployed on Google Play Store and Apple App Store for mobile platforms, and the admin panel will run on Windows OS. Version control will be managed via GitHub

Risks and Dependencies:

Integration issues between Flutter and Django, accuracy of AI algorithms, cross-platform compatibility, reliance on third-party libraries, and adherence to platform policies. Data security, privacy, and scalability of AI features are also key concerns.

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Supervisor Signature and Seal

Signature of the Board Members: (Use for presentation's Board)

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Comment: i) Accept ii) Contitional Accept iii) Not Accept

Recommand for Project Exibition: Yes / No