Enhanced Analytic System for Smart University Assistance

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Abstract: A short description of the aim and objective of the project work carried out in 3-4 lines. This part should be common to all students in the group. The font size and style will remain same from this point onwards. The font size will be 12 and font style will be Times New Roman. The line spacing will be 1.5.

This report should be prepared in A4 page format with 'default' option under 'Margin' of the 'Page Layout' tab in Microsoft Word. Word limit for this section is 80.

Individual contribution and findings: With the initiation of the minor project, my role was to perform the requirement analysis, requirement prioritization, planning of the wireframe, building the android application from scratch and handling the S3 platform.

Requirement Analysis:

Using Pareto Analysis, the root cause of the problems in the existing system was found. Through a clear understanding the reason behind a potential suggestion recorded during data collection was analysed.

Requirement Prioritization:

Q-Matrix Framework was developed and all the requirements were prioritised into the following categories:
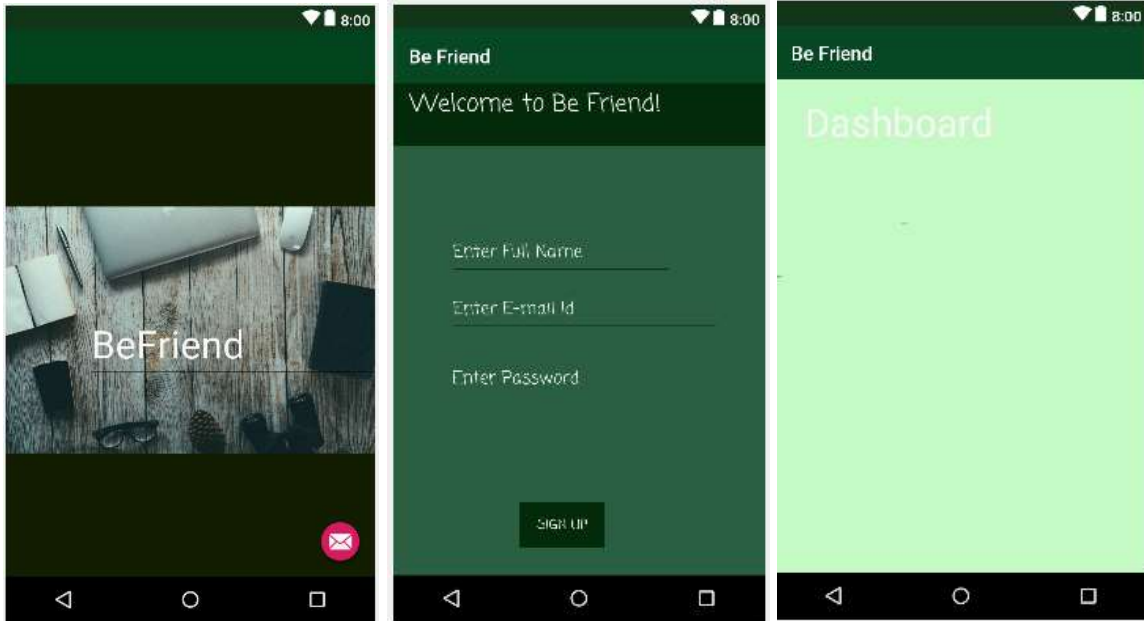
- Easy Problem with High Value Result
- Difficult Problem with High Value Result
- Easy Problem with Low Value Result
- Difficult Problem with High Value Result

Planning of the wireframe:

A detailed outlook of the project screens displayed in web application and android application was considered.

Building the Android application:

Using Android Studio, the android application named BeFriend was created. The screen view is attached below:

AWS S3 storage was used to collect the display profile photograph for registered students. My role also included the handling S3 console partially.

Individual contribution to project report preparation: In the group project role, I was instrumental in preparing the following parts:

- Requirement Analysis
- Android Development
- S3 Bucket Preparation
- Future Scope Writing

Individual contribution for project presentation and demonstration: I've contributed towards the overview part of Android, its applications and steps being followed, transformation and partially cloud tools being used in the project presentation.

Prof. Rajdeep Chatterjee   **Navonaya Brahmachari**
Full Signature of Supervisor   Full signature of the student