**STUDENT HUB**

**MINOR PROJECT REPORT**

**Submitted in partial fulfillment of the requirement for the Degree of Bachelors of Engineering**

**in**

**Computer Science & Engineering**

**Submitted To:**



**[PARUL UNIVERSITY, VADODARA, GUJARAT (INDIA)]**

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**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**PARUL INSTITUTE OF TECHNOLOGY VADODARA, GUJARAT**

**SESSION: AY 2022-2023**

**Parul University**

**Parul Institute of Technology**



**(Session: 2022 -2023)**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

**CERTIFICATE**

This is to certify that **Amruta sadhu, Ayush patel, Yaksh panchal,** Students of **CSE VI Semester** of **“Parul Institute of Technology, Vadodara”** has completed their **Minor Project** titled **“STUDENT HUB”**, as per the syllabus and has submitted a satisfactory report on this project as a partial fulfillment towards the award of degree of **Bachelor of Technology** in **Computer Science and Engineering** under **Parul University, Vadodara, Gujarat (India)**.

**Prof. Kapil D Raghuwanshi Prof.** **Sumitra Menaria DR. Swapnil Parikh**

**(Assistant Professor) Head (CSE) Principal**

**(CSE / IT) PIT, Vadodara PIT, Vadodara**

**DECLARATION**

We the undersigned solemnly declare that the project report “**STUDENT HUB”** is based on my own work carried out during the course of our study under the supervision of **KAPIL DEV RAGHUWANSHI, Assistant Professor, CSE.**

We assert the statements made and conclusions drawn are the outcomes of my own work. I further certify that

1. The work contained in the report is original and has been done by us under the general supervision of our supervisor.
2. The work has not been submitted to any other Institution for any other degree / diploma / certificate in this university or any other University of India or abroad.
3. We have followed the guidelines provided by the university in writing the report.

Whenever we have used materials (data, theoretical analysis, and text) from other sources, we have given due credit to them in the text of the report and giving their details in the references.

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**ACKNOWLEDGEMENT**

In this semester, we have completed our project on **“STUDENT HUB”**. During this time, all the group members collaboratively worked on the project and learnt about the industry standards that how projects are being developed in IT Companies. We also understood the importance of teamwork while creating a project and got to learn the new technologies on which we are going to work in near future.

We gratefully acknowledge for the assistance, cooperation guidance and clarification provided by **“PROFESSOR KAPIL RAGHUWANSHI”** during the development of our project. We would also like to thank our Head of Department **Prof. Sumitra Menaria** and our Principal **Dr. Swapnil Parikh** Sir for giving us an opportunity to develop this project. Their continuous motivation and guidance helped us overcome the different obstacles for completing the Project.

We perceive this as an opportunity and a big milestone in our career development. We will strive to use gained skills and knowledge in our best possible way and we will work to improve them.

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**LIST OF ABBREVIATIONS**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Abbreviation** | **Full Form** |
| 1 | SDLC | Software Development Life Cycle |
| 2 | DFD | Data Flow Diagram |
| 3 | URL | Uniform Resource Locator |
| 4 | FTP | File Transfer Protocol |
| 5 | ERD | Entity Relationship Diagram |
| 6 | MVC | Model View Controller |
| 7 | ConneX | Connect and Exchange |
| 8 | NetShare | Networking and Sharing Platform |
| 9 | MVP | Model View Presenter |
| 10 | ProCon | Professionals Connect |
| 11 | EduLink | Education Link |
| 12 | APSCA | All-in-One Professional and Student Community App |
| 13 | FAS | Flutter Authentication System |
| 14 | FCR | Flutter Cloud Firestore Realtime database |
| 15 | FSP | Flutter Storage and Performance Optimization |
| 16 | SDK | Software Development Kit |
| 17 | API | Application Programming Interface |
| 18 | IDE | Integrated Development Environment |
| 19 | ORM | Object Relational Mapping |

**ABSTRACT**

The mobile application app that is being proposed aims to create a platform where students and professionals can meet and share information with each other. The app will allow users to connect with others who are at the same level as them, and share information related to their respective fields of study or profession. By doing so, users will be able to learn from one another and expand their knowledge in their respective fields.

The proposed mobile application aims to provide a platform for learners, including students and professionals, to access and share learning resources such as notes, assignments, and books. The app will allow users to upload their own resources and ask questions, which can be answered by other learners or experts. The app will prioritize frequently used and highly ranked resources to avoid confusion among learners about which materials to follow. With this app, learners will have a single platform for accessing resources and finding solutions to their queries quickly. One of the key features of the app will be the provision of resources and learning materials. Instead of users having to find resources individually, the app will provide resources that are frequently used and helpful to others. This will reduce confusion among students and ensure that they are using reliable and trustworthy resources.

The app will be designed in such a way that it is user-friendly and easy to navigate. It will be accessible on both iOS and Android devices, and will be available for download from the App Store and Google Play Store. The app will be free to download, and users will be able to sign up easily using their email or social media accounts.

In summary, the proposed mobile application app aims to provide a platform for students and professionals to meet and share information with each other. By doing so, users will be able to learn from one another, expand their knowledge, and connect with experts in their respective fields. The app will provide resources and learning materials that are frequently used and helpful to others, and will be designed to be user-friendly and easy to navigate.

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