|  |  |
| --- | --- |
| Logo, company name  Description automatically generated |  |
|  |  |
|  | **Project**  **Report**  For the Final Project of DBMS |
|  |  |
|  | Muhammad Hasnain 023-20-0176 Muhammad Hassan 023-20-0177 |

Project Name: **Educatra**Development Pair: **Muhammad Hassan** & **Muhammad Hasnain**

Introduction & Background:

21st Century and specially covid-19 taught us the importance of virtuality and accessibility in academia. Since then, the increase in the use of digital services (specially web-based) are breaking records, but still there are organizations and individuals struggling due to poor resources and lack of accessibility. Other than this, for a student, managing coursework creates a loss in focus on the courses itself. Hence, to solve this problem, we are developing **Educatra** as our FP for the course of Database Systems in Semester IV of our BSCS Degree and will make it available on GitHub so that more people can use this to accomplish digitalization.

**Educatra** is a web-based application which aims to provide fully access to all the needs of academia. We, as developers of **Educatra** have a goal to provide ease to learners as well as learning providers so that they can focus more on learning rather than organizing.

How **Educatra** is Helping Academia? \*

**Educatra** has *three* major roles:

* Learners
* Learning Providers
* Parents

For learners, **Educatra** will help in keeping track of their assignments, results, courses they are enrolled, etc.

For learning providers, **Educatra** will help in marking assignments of students and managing coursework as well as providing feedback on the student’s progress.

For parents, **Educatra** aims to help in keeping track of their child’s overall progress as well as teacher’s feedback.

Technological Aspects:

As a web-based application, **Educatra** is designed using *HTML* and *CSS-3* on the front end. To develop a powerful back-end, PHP is used as the development language. For record keepings, data store & fetch i.e., for complete management of data, *MySQL* Query Language is used to manage the database side. Before making its appearance globally, we are testing **Educatra** on a local-hosted server using server applications i.e., Xampp, Wamp.

Conclusion:

In the earlier version, **Educatra** has found to be an example of minimalist approach to achieving digitalization using minimum resources. We as developers are very close to reaching our aims.