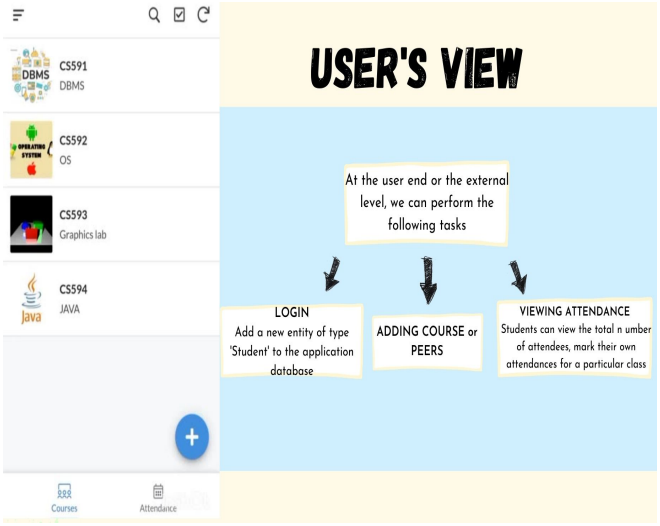
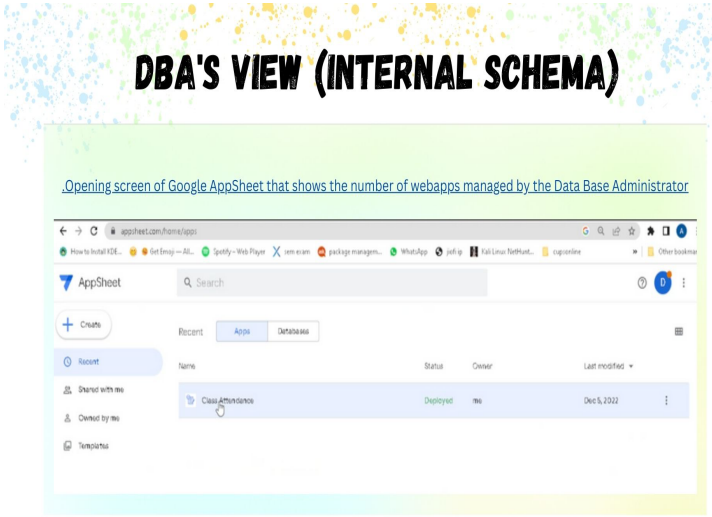
CLASS ATTENDANCE

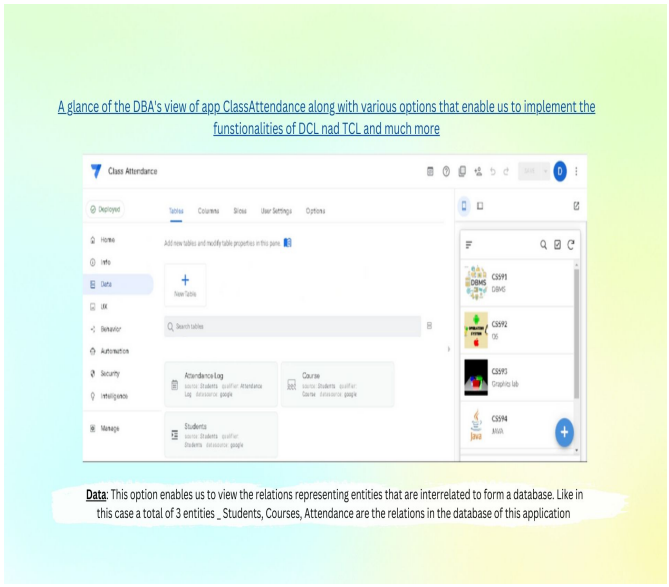
INTRODUCTION

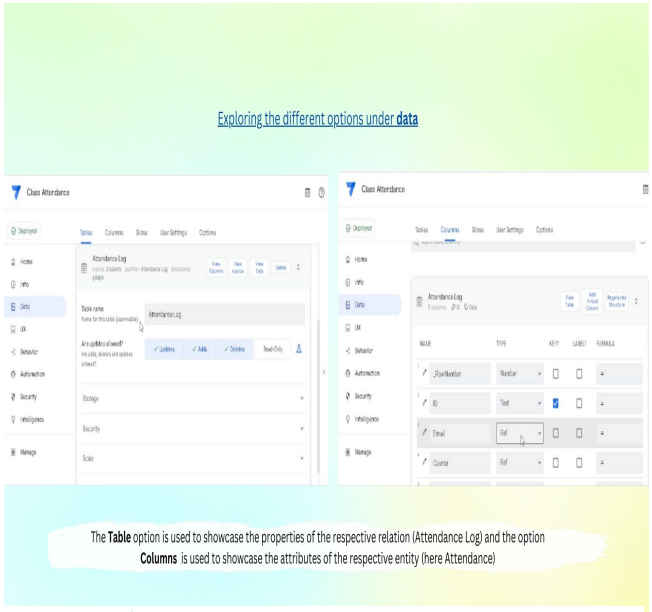
This application is created with the help of google AppSheets which provides us with a Relational Database Management System(RDBMS) which can be used as a prototype for solution for managing databases of small business/personnel, it's a use case of a platform which can be further used in more complex projects . It consists of attributes and relations which can be further managed by Structured Query Language (SQL) which gives us a definite understanding of how databases and query languages work. Three relations mainly database , attendance and students are used to keep track of the information of students which are connected to each other by relations .

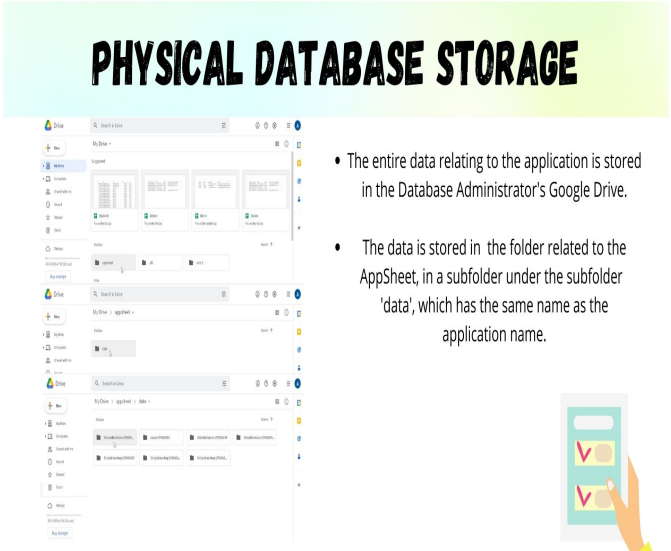
Result and Discussion : -

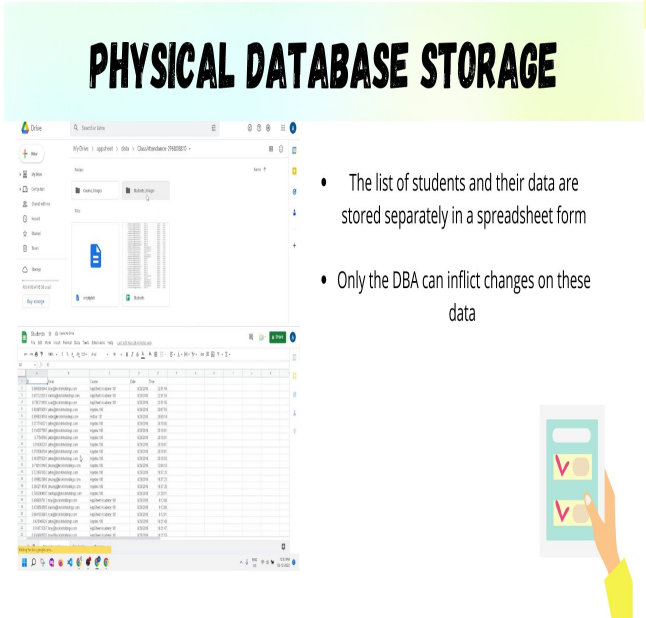








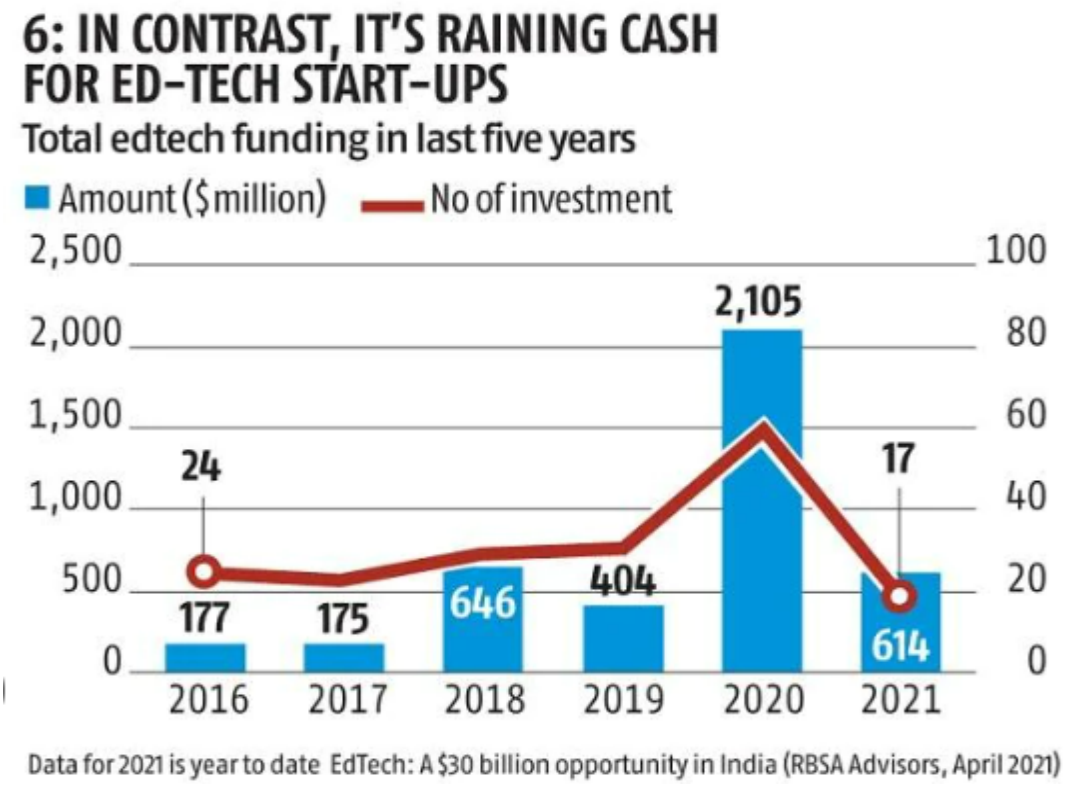




Project Abstract :-

We have designed a deployable webapp for attendance management. It incorporates the real life implementation of relational databases and database management systems. It is hosted in Google cloud by a platform called Google AppSheet. It requires preliminary knowledge of SQL and Android Studio to create an app using this platform. It is devoted to the maintenance of attendance records of students . The main targeted audience of this project are attendance registrars(teachers or CRs).

Future Prospects :-



With the digitalisation of education pacing up, a number of technologies to create webapplications are budding. Our application provides for the management of attendance related data, however, the ways of manipulating the attendance data are generic. In the near future, multiple fast authentication systems might be added such as close-range no energy bluetooth authentication, image recognition and NFC for identification.

Conclusion :-

This project, as in current state, is about demonstrating a use case of a platform that has the ability to deploy robust and simple prototype solutions for managing databases pertaining to personal or business use.

CONTENTS

Methodology :-

DATABASES:

This application makes use of databases consisting of namely three attributes, Courses, attendance and students which share a many to many relationship with each other. Since this is just a prototype design which can be used by organisations/ personnel to create complex applications , it just has three attributes .

Reference :-

Here is the link of our project data uploaded on GitHub

https://github.com/anindyadas2001/attendance_management_cs591/blob/main/README.md