

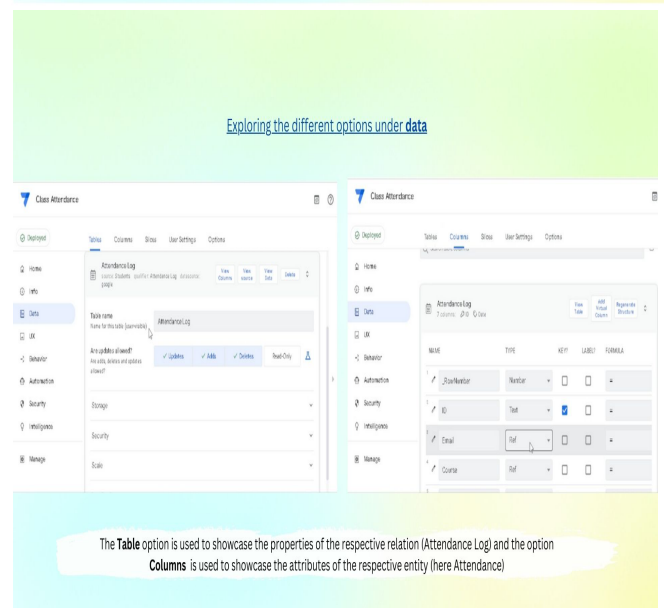
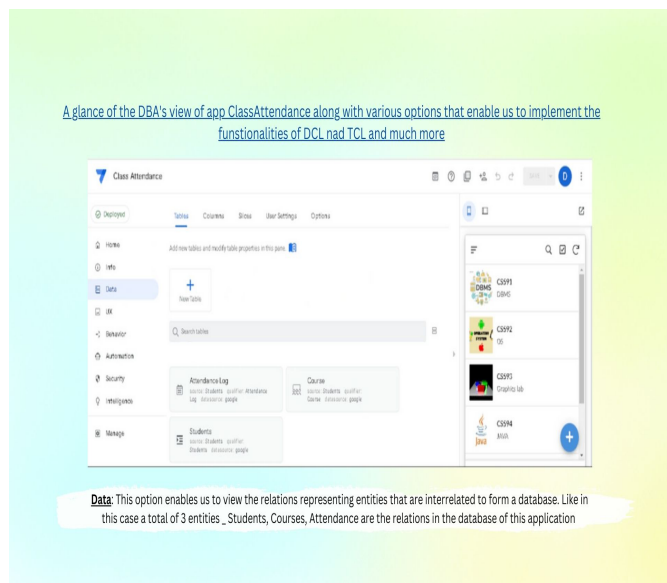
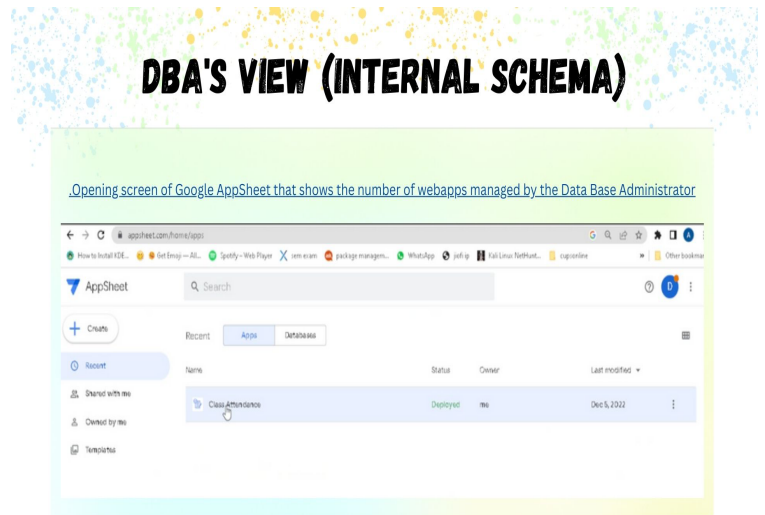
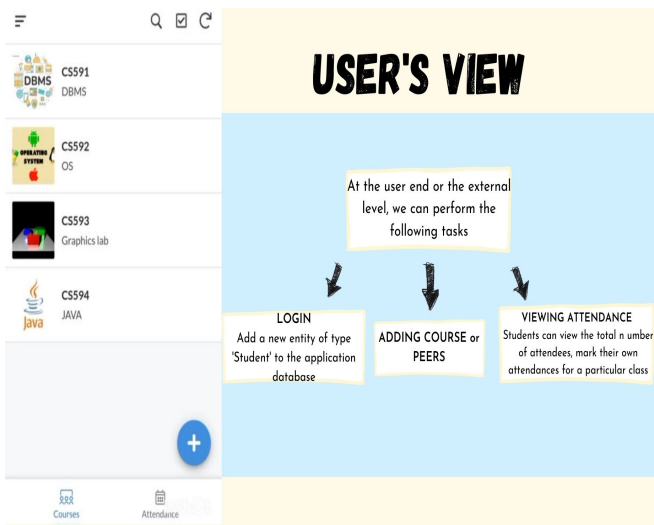
# CLASS ATTENDANCE

## INTRODUCTION

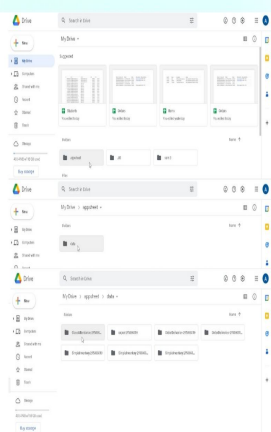
This application is created with the help of google AppSheets which provides us with a Relational Database Management System(RDBMS) which can be used as a prototype for solution for managing databases of small business/personnel, it's a use case of a platform which can be further used in more complex 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 :-



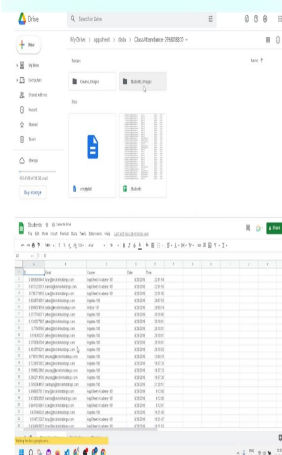
## PHYSICAL DATABASE STORAGE



- The entire data relating to the application is stored in the Database Administrator's Google Drive.
- The data is stored in the folder related to the AppSheet, in a subfolder under the subfolder 'data', which has the same name as the application name.



## PHYSICAL DATABASE STORAGE



- The list of students and their data are stored separately in a spreadsheet form
- Only the DBA can inflict changes on these data



## **Project Abstract :-**

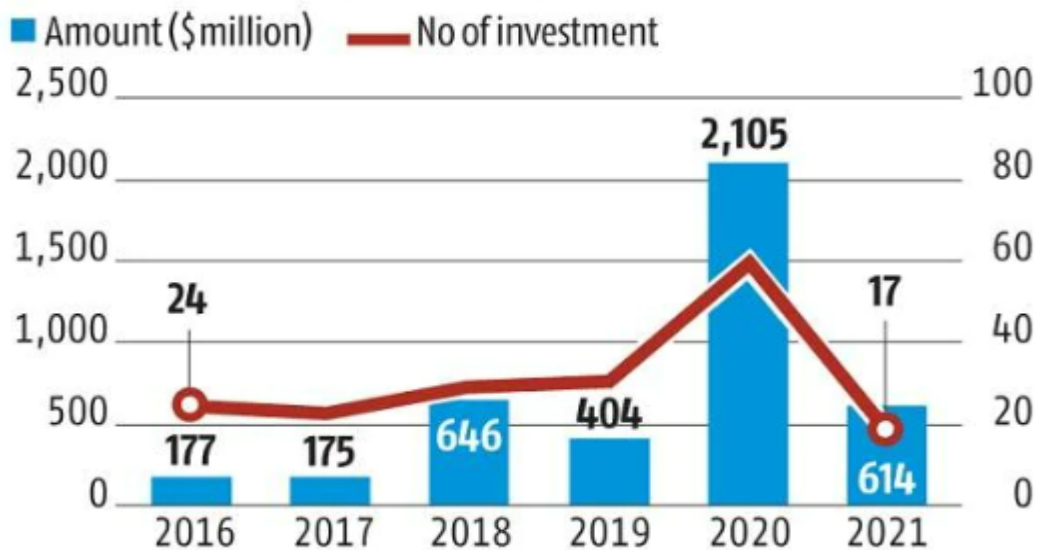
We have designed a deployable webapp for attendance management. It incorporates the real life implementation of relational databases and database management systems. It is hosted in Google cloud by a platform called Google AppSheet. It requires preliminary knowledge of SQL and Android Studio to create 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 :-

### 6: IN CONTRAST, IT'S RAINING CASH FOR ED-TECH START-UPS

Total edtech funding in last five years



Data for 2021 is year to date EdTech: A \$30 billion opportunity in India (RBSA Advisors, April 2021)

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.



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## 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](https://github.com/anindyadas2001/attendance_management_cs591/blob/main/README.md)

