



SYNOPSIS ON TIMETABLE APP

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INTRODUCTION

The "Timetable Management System" has been developed to override the problems prevailing in the practicing manual system. This software is supported to eliminate and in some cases reduce the hardships faced by this existing system. Moreover this system is designed for the particular need of the company to carry out operations in a smooth and effective manner.

The application is reduced as much as possible to avoid errors while entering the data. It also provides error message while entering invalid data. No formal knowledge is needed for the user to use this system. Thus by this all it proves it is user-friendly. Timetable Management System , as described above, can lead to error free, secure, reliable and fast management system. It can assist the user to concentrate on their other activities rather to concentrate on the record keeping. Thus it will help organization in better utilization of resources.

EXISTING SYSYEM

- Repeated time allocations may be made for a particular course thereby leading to data redundancy.
- A lot of administrative error may occur as a result of confusing time requirements.
- Timetable generation by center staff may have a slow turnaround.
- Final generated timetable may not be near optimal as a result of clashing course requirements and allocations.
- It generates a lot of paperwork and is very tasking.
- It is not flexible as changes may not be easily made

FUNCTIONAL SPECIFICATION

This app will help all the students of schools, colleges or universities to get the best timetable management.

This app will provide students with features like:

- 1- Login and sign up with their gmail or university roll no.
- 2- The device on which the student is using the app will automatically go on silent mode when the class starts and turn on DND feature if available.
- 3- The students will get a reminder 5 minutes prior to their class.
- 4- The students will be able to get all their faculty details including their phone number.
- 5- The students will be able to get the notes provided by the teachers.

FEASIBILITY OF PROJECT

After doing the project Timetable Management System, study and analyzing all the existing or required functionalities of the system, the next task is to do the feasibility study for the project. All projects are feasible - given unlimited resources and infinite time.

Feasibility study includes consideration of all the possible ways to provide a solution to the given problem. The proposed solution should satisfy all the user requirements and should be flexible enough so that future changes can be easily done based on the future upcoming requirements.

A. Economical Feasibility

This is a very important aspect to be considered while developing a project. We decided the technology based on minimum possible cost factor.

- All hardware and software cost has to be borne by the organization.
- Overall we have estimated that the benefits the organization is going to receive from the proposed system will surely overcome the initial costs and the later on running cost for system.

B. Technical Feasibility

This included the study of function, performance and constraints that may affect the ability to achieve an acceptable system. For this feasibility study, we studied complete functionality to be provided in the system, as described in the System Requirement Specification (SRS), and checked if everything was possible using different type of front-end and back-end platforms.

C. Operational Feasibility

No doubt the proposed system is fully GUI based that is very user friendly and all inputs to be taken all self-explanatory even to a layman. Besides, a proper training has been conducted to let know the essence of the system to the users so that they feel comfortable with new system. As far our study is concerned the clients are comfortable and happy as the system has cut down their loads and doing.

Software Specification

- Technology Implemented: Android Studio
- Language Use: JAVA
- Database: FIREBASE
- User Interface Design: XML
- Web Browser: Chrome/ Mozilla

Hardware Specification

- Processor: Intel core i5-8400 3.0 Ghz or better
- OS: Windows 7/8/10 (64 bit)
- RAM: 4 GB or higher
- Hard disk: 2 GB or more for installation
- Display: 1280 x 800 or higher

FUTURE SCOPE

It may help collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know the management of passed year perfectly and vividly. It also helps in current all works relative to Timetable Management System. It will be also reduced the cost of collecting the management & collection procedure will go on smoothly.

Our project aims at Business process automation, i.e. we have tried to computerize various processes of Timetable Management System.

- In computer system the person has to fill the various forms & number of copies of the forms can be easily generated at a time.
- In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfy the user requirement
- Be easy to understand by the user and operator
- Be easy to operate
- Have a good user interface
- Be expandable
- Delivered on schedule within the budget.