Enterprise Resource Planning System

[1]Sumeet Bandgar, [2]Atithi Pawar, [3]Rachana Mendake, [4]Ajinkya Nikam

Students
Padmabhooshan Vasantdada Patil Institute Technology,
Savitribai Phule Pune University, Pune, Maharashtra, India.

Abstract: **Different institutes have different sectors and every sector need to be handled. All the data of student and college information need to be stored. Currently manual system needs paper work which takes more time lacks in efficiency. ERP is simple to use and has user-friendly interface. System includes various features which makes it strong, faster and provides ease of access.**

Keywords: **ERP, System, Modules, Automation, Sectors, Web Based, etc.**

I. INTRODUCTION

Enterprise Resource Planning System is a server based online platform which performs different operations. Enterprise Resource Planning mainly focuses on data manipulation. ERP System is online web based service which provides simple way of communication between users. ERP system has attractive and simple user interface. Every user needs an authentication to login and new authorized users can create their own account and update profile when required.

One of the important part is administrator who sets the environment and required fields in system. Administrator has all rights and privileges to modify the system when required.

II. SYSTEM DESIGN

a. USER/STUDENT

ERP System accepts all information of user and stores in database. After login user will able to update profile and will get information regarding various activities held in the institute.
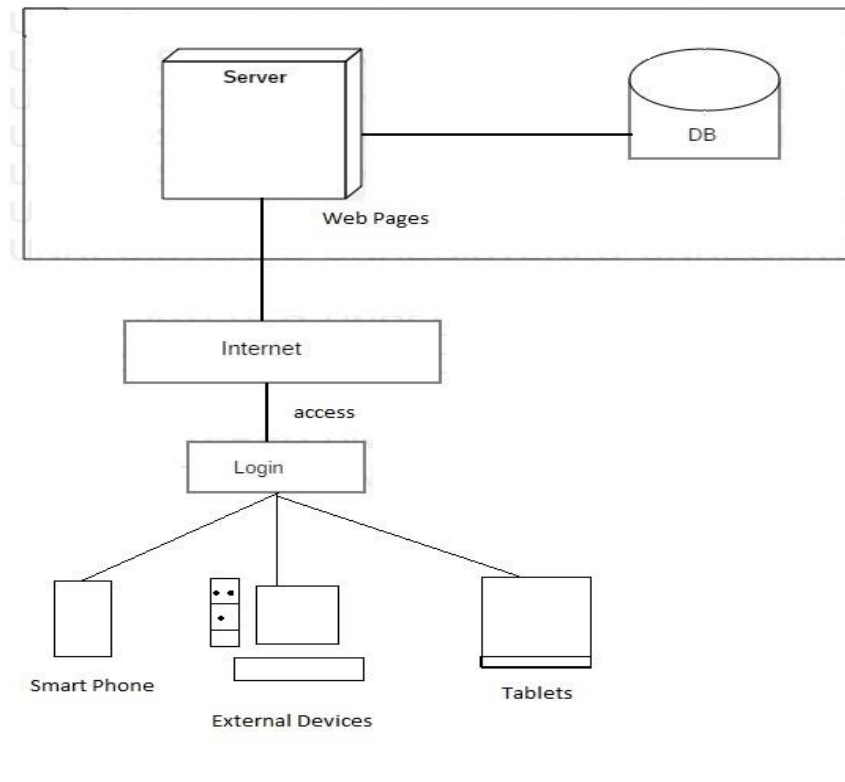
b. STAFF/TEACHER

Staff can perform the operations as user account performs and additionally provides information to users. Staff can also view every user profile. Staff also includes Head of Department and Director.

c. ADMINISTRATOR

Administrator is a key member of the institute who create an environment for every user to allow access into ERP System. Administrator regularly updates the system and provides every information.

d. OFFICE

Office user is different from all other users. Office can perform limited operations as fees updates, scholarship updates, exam forms, leaves, etc. They have user interface and keep regular updates as required.

III. ARCHITECTURE DIAGRAM:

IV. LITERATURE SURVEY:

Previous system consists of paper work. Each and every information was stored on a paper. Storing, accessing, retrieve and update requires time and was not efficient. Calculating results and generating report was also complex task. Keeping all files requires huge area and man power. Updates were not shared with the users living far away and need to be present while submission. Hence manual system lacks in many aspects.

V. CONCLUSION

Paper states the automating system instead of manual system which is faster in all aspects. Hence, it is monitored and controlled remotely. This also reduces the man power required. Automating System has strong backend server which helps user to access, retrieve and perform different operations faster. This system uses highly secure database hence provides high security. Daily updates, news, notices are communicated easily just requires internet connection.

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