Student Seating Arrangement System in College Level

K. Pavithradevi[1], P. Indhu[2], M. Jagathambal[3]
Asst.Prof/MCA, PG/Scholar/MCA, PG/Scholar/MCA
[1, 2, 3] Gnanamani College Of Technology,Namakkal,Tamil Nadu, India

Abstract-*Examination is a core activity of any educational institution. And examination seating allotment is very difficult to allocate for all the students in the college is a critical task. At present in existing system faculty allotment for exam duty as supervisor is done manually and also it does not keeps the track record about the supervisors who have been allocated for previous exam. Allocation of faculty will be done in the excel sheet. And also allocation of thousands of student to particular block is a hectic work and that will be done manually thus it may take lot of time and require man power. This helps them to identify the floor or get directions to their respective halls without delays.*

Keywords-Internet, Examination System, Allocation, Cloud

I. INTRODUCTION

And this automated system could be integrated with cloud so that can be accessed from anywhere. Each institute has to validate themselves to cloud and each institute falling under the same university has to provide their student and staff details to get the allocation of exam duties and blocks.

When we have enough known technology, there is no need of manual processes which can be easily automated using newest techniques. Same way, institute examination allocation of block to students and supervisor is presently a manual process which can be automated. Hence, in its simplest form "student seat allocation & faculty supervision allocation for examination at university level using cloud" is a automated system for all the institutes that fall under the same university to manage the academic examination process. Where computerized system helps to allocate bench number to students in a particular block and supervisor to the particular block. Also, the system allows the personnel to interchange their supervisor duty, generate report regards the particular date, session and block also the report of absent students for particular exam. After allocating duties for faculties for all exam dates system is capable of sending alert messages to faculty about their duty and it also has the advantage that the faculty can access their exam duty information in earlier along with their exam duty date and block number.

By integrating the two of the above discussed aspects at one point results in greater productivity. Thus we

can store the application in cloud, interfaces helps for integration and host a common gateway for the accessibility. Where the database of the application having login credentials for the user authentication and authorization. And each college provides the information about their students who are going write exams and the faculty who are to be allocated as supervisor for the examination. also user enters the information details about the exam time table, and the dates on which faculty are not available for exam duty for reasons best known to them.

The major work of the admin is to generate the hall seating arrangement and want to update day to day information of the students. In the admin page can contain the following options are Dash board, Add students, Students Room number, student count details based on the department wise, like MCA, MBA BE(CSE),(ECE) etc.,

Advantage Of Cloud

- Cost saving
- Reliability
- Manageability
- Strategic Edges

Disadvantages Of Manual Seating Arrangement

Current system is manual so all the records are maintained manually. So the seating arrangement of students cannot be determined if updating is not done.

- Time Consuming
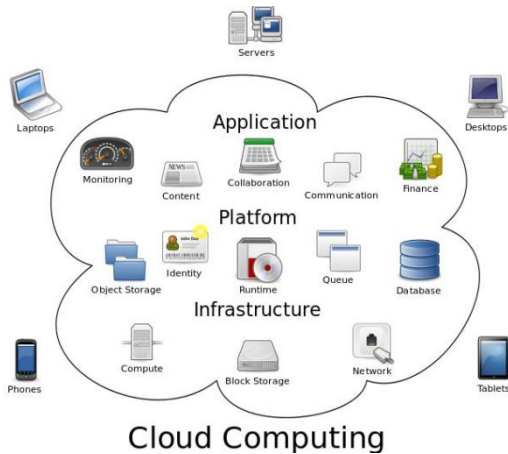- Less Efficient
- More manual Work Required
- Less Accurate

II. PROPOSED SYSTEM

The goal of cloud computing is to apply traditional super computing, or high-performance computing power, normally used by military and research facilities, to perform tens of trillions of computations per second, in consumer-oriented applications such as financial portfolios, to deliver

personalized information, to provide data storage or to power large, immerse online computer games.
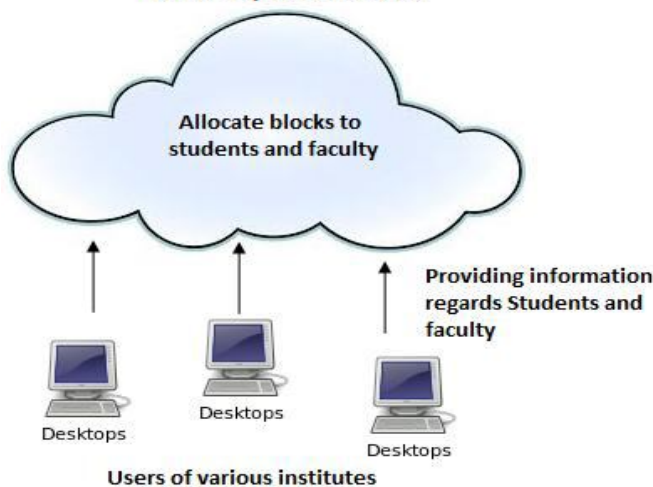
To do this, cloud computing uses networks of large groups of servers typically running low-cost consumer PC technology with specialized connections to spread data-processing chores across them. This shared IT infrastructure contains large pools of systems that are linked together. Often, virtualization techniques are used to maximize the power of cloud computing.

Process

In an automated system of allocation, Institute level user has to login with their user credentials like user name and password to ensure the valid user. Then user provide details about the students and staff, System will allocate the students to bench number of each respective block and supervisor to each block from faculty list. At last user will download the reports of allocated information and follow the format for examination as per allocated by system

Automated System for Allocation using Cloud

Above system of allocation is useful for allocating students and faculty for any institute. Which can be integrated with cloud to yield more feasible solution from it. So that it is available to every institute which fall under same university. Where automated system is stored at cloud for the accessibility for every institute so that each institute can access the system remotely and get the result with few mouse clicks.
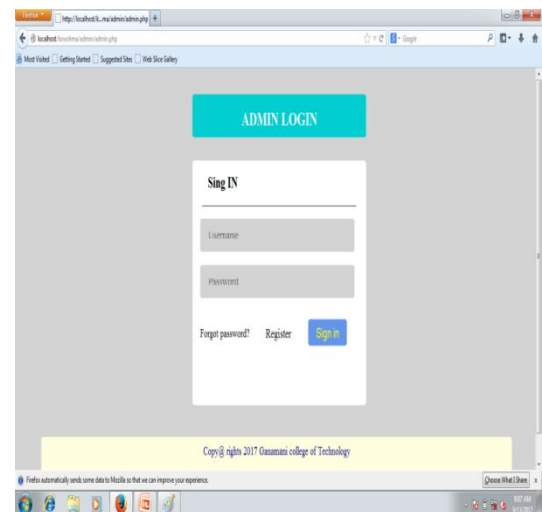
Advantages

1)The main advantage is that it's feasible and reduces the manual work.
2)Everyone will be notified time to time about their seating allotment.

Modules

- Admin Login

- Register Student Details

- Allot Hall and Seat for Students
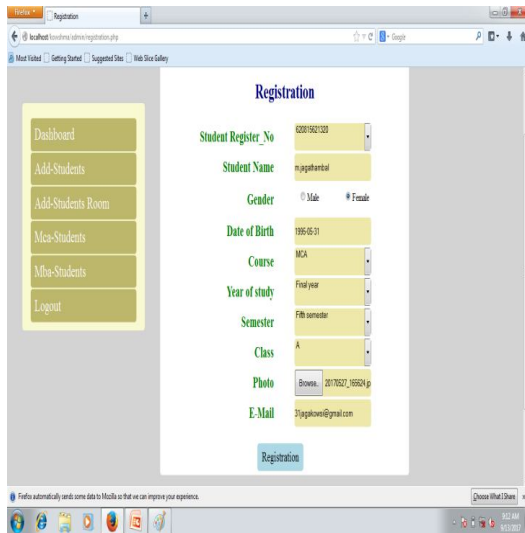
- User Login

- View Result

Admin Login

Here admin has to login by using their unique username and password. Admin is the only authorized person to access this module for security purpose. So other users don't get rights to access this module for their purpose. The administrator can create, modify, insert, update, and delete any stuff on this web application. He should be approving Exam from to generate an Exam hall tickets for students.
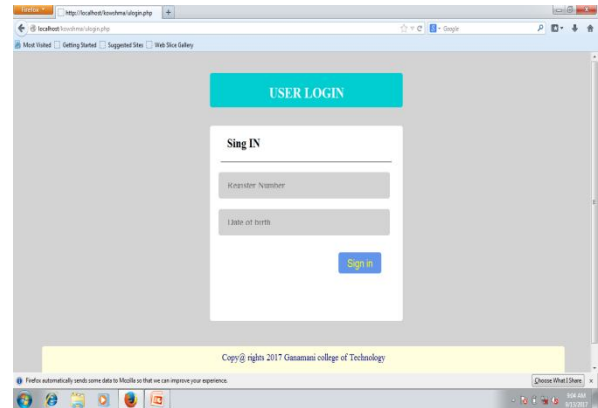
Register Student Details

Admin arranges seats for students based on their register number, name, date of birth, sex, department, year, semester, class, e-mail, and photo. Staffs also verify that no students and details. This registration will be used to avoid anonymous users. After the registration process is completed, student will get an account to use login page.

Allot Hall And Seat For Students

Admin arranging seats and rooms for students based on their register number, date of birth, hall number, bench number, block name and photo. Staffs also verify that no students of same department, class doesn't sit together.
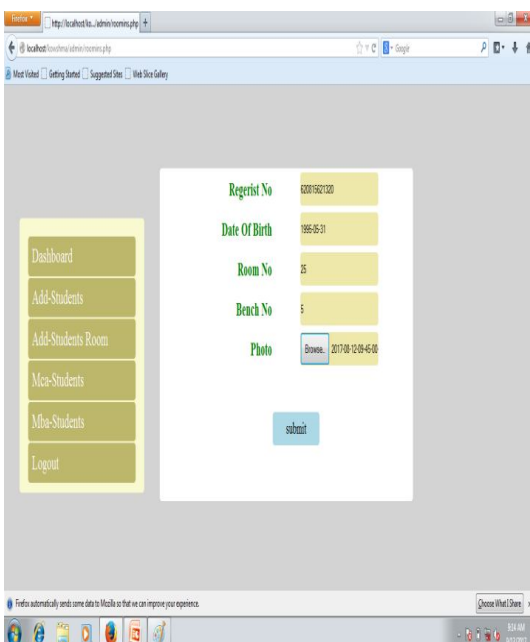

User Login

Users are the student they can login and see their details. Registered users need to authenticate by supplying their register number and date of birth, to opened login page.

View Result

In this module students can view their details by giving the student register number, seat number, hall number, block name and photo.

III. CONCLUSION

All the work of allocation of exam duty is automated and also faculties are allocated automatically. The percentage of doing mistakes will be reduced. All the details of student information, faculty information, exam time table information, exam duty allocation information are stored in the central database thus one can access the information whenever needed.we conclude that this paper will reduce the work loadof the staff

REFERENCES

[1] K.Pavithradevi, K.Ramya, S.Nandhini, G.Punitha, " History and Applications in Body Arear Network", International Journal for Research in Applied Science & Engineering Technology Vol 5, Issue II, February 2017

[2] K.Ramya and K.Pavithradevi "Effective Wireless Communication," International Journal of Advanced Research, volume4(12),pp. 1559-1562 Dec 2016.

[3] Dr.N.Muthumani, K.Pavithradevi, "Image Compression using ASWDR & 3D-Sphit Algorithms yor Satellite Data", International Journal of Scentific & Engineering Research,Volume 6, Issue 10, October-Pages:289-296.

[4] T.Manjula, M.Manosakthi, C.Monika, K.Pavithradevi, "Android Application Security" ,International Journal for Research & Development in Technology,Volume 7, Issue -2, February 2017, Pages: 86 -89

[5] K.Pavithradevi, C.Jayapriya, S.Karthiga, "A Survey And Research Challenges In Internet ofThings", International Journal for Science and Advanced Research in Technology, Volume 3 Issue 9 – September 2017, Pages : 535 -538

[6] K.Pavithradevi, S.Nandhini, M.Punitha, " History and Applications in Body Area Network "published in International Journal for Research in Applied Science & Engineering Technology, ISSN 2321-9653, Volume 5,Issue II, February 2017,Pg. 167-170