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## An Enhanced Medical University Management System Using Cloud Computing.

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### ABSTRACT

Medical University Management System is a cloud based System - manages all sort of students' details, academic related reports, university related details, course information, educational modules, attendance and other related details, for computerization of all the activities of any University and complete student life cycle and University Administration. The complete system is hosted in an open source cloud server. The system is designed to be saleable and flexible considering the different dynamics of operation, and can be customized according to the needs of the university. The cloud based Medical University Management system is a mobile APP and also designed for web based platform for catering all the university and administrative needs and for quick, organized and effective resource sharing for all its stake holders. This paper also highlights how to install open stack and how to host the designed Medical University Management System in an open source cloud platform .The whole system is hosted and acts as Application as a service both for Mobile and web based Systems .

**Keywords:** medical university, cloud computing, medical reports.

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## INTRODUCTION

The presence of your students' records says a considerable measure in regards to the nature of your university. The university administration framework has created to override the issues winning in the rehearsing manual framework. Different instructors and enlistment centers make judgments in view of student records that can for all time influence a student's life. This product is upheld to wipe out and at times diminish the hardships looked by this current framework. University Management System abilities incorporate the nuts and bolts, For instance, transcripts, grades attendance and many other specific capabilities, including parental access to continuing internet student reviews. This implies approaching ongoing information by managers as well as parents, educators, and students. With traditional reporting methods, guardians are not allowed to explore how their student performs in college until the end

The College The board Framework will supplant the paper-based amassing of data and information exchanging structure among a particular college's different divisions. The College executives Framework gives a creative reaction to the issues of keeping up present college record. This organization of colleges programming will give you space to manage your obligations whether you are just start or are a cultivated capable. It can push the customer to concentrate on their various activities rather than to concentrate on the record keeping. Along these lines, it will help relationship in better utilization of benefits. For taking care of and secure all of the information we are using AWS (Amazon Web Service).

The AWS cloud makes it workable for you to induce to your information from anyplace at whatever point. Whereas a customary PC setup anticipates you to be in an unclear range from your data capacity gadget, it makes absent that walk. It removes the requirement for you to be within the same physical range. One need is merely require a web affiliation keeping in mind the end goal to induce to the cloud. This implies on the off chance that you just ought to take a gander at a specific report you have got housed within the cloud, you should to begin with interface to a web affiliation or through a remote or wired web or a flexible broadband affiliation. The advantage is that you just can get to that same report from wherever you're with any contraption that can get to the internet. These contraptions can be a work range; PC, tablet, or phone. This can be the opportunity that the cloud can suit you or your association.

Kinds of cloud There are diverse sorts of cloud that you can buy in to relying upon our necessities. As a home client or entrepreneur, we use public cloud administrations. Any endorser with a web association and access to the cloud space can get to public cloud [1-11].

## RELATED WORKS ON WEB APPLICATION AND CLOUD COMPUTING

Existing ventures were like oversees all sort of students' points of interest, academic related reports, college related components, course data, instructive modules, clump focuses of intrigued and other resource related unobtrusive components as well by utilizing their nearby databases itself and in case there's a issue in neighborhood framework each data's can be misplaced at any time.

Existing ventures to track each one of the unpretentious components of an understudy from the exceptionally starting to the wrap up of his course which can be utilized for all reporting reason, taking after of participation, development within the course, comes about, coming semester year instructive modules participation, exam subtle elements, exam result and so on. It was like to explore each one of the works out happening within the college, indeed they can ended up familiar with which staff is consigned to which course, the show status of a understudies, interest level of a understudies and up and coming prerequisites of an understudy. The understudy organization system could be a computerized variation of manual Understudy Administration Framework. It can bargain with all experiences around an understudy. In case there ought to be an event of manual system, they require a lot of time, labor and so forward. Here all work is computerized by utilizing cloud computing. Hence, the precision is keep up.



Keeping up fortification is basic. It can do with without further ado. Our system has two sort of getting to modes, administrators and client. An director supervises understudy organization and instructors system. At the point when a client sign in to the system. He/she would fair see focuses of intrigued of the understudy. He/she cannot play out any movements. Our system has seven modules; they are head, understudy, course, division, exam detail and can be scalable

To overcome all these sort of issues our proposed model is to store all the valuable data in cloud and access it at any time we need. Cloud storage is the most astute method for putting away information wherein computerized information is put away in pools of numerous servers scattered over various land areas, and the completely physical condition is typically possessed and kept up by Cloud stockpiling suppliers. Cloud storage works towards the virtualization of server farm, and is really in light of Cloud computininnovation which was developed with a view to associate individuals and convey information from anyplace, whenever.

### **IMPLEMENTATION WORK**

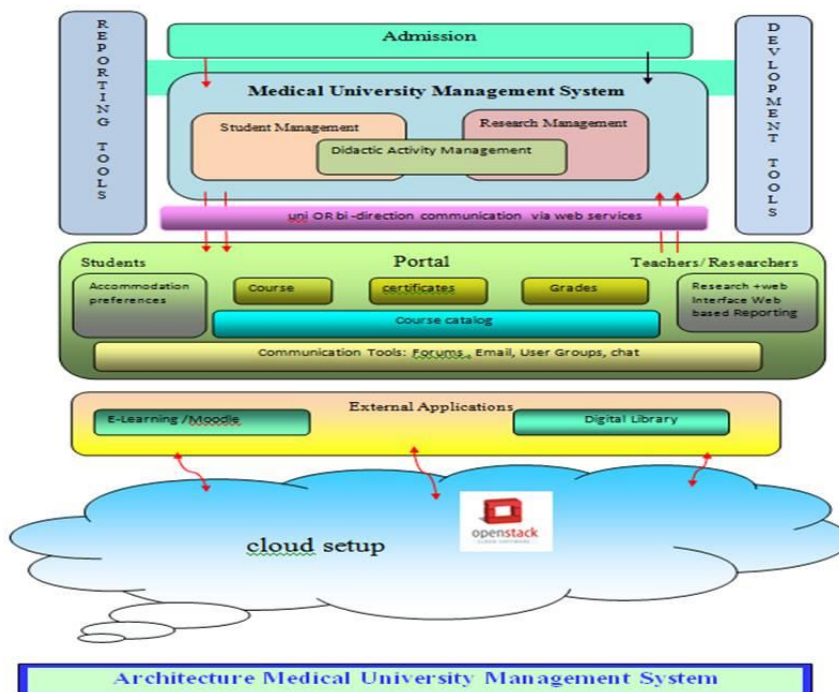
Numerous product advancement in organizations for university, with the market. There area unit records on the previous year's extends on understudy administration framework is finished by researchers. Through the appearance into, it's watched that there area unit highlights wherever this enterprise will receive and actualize. one in every of it'll be the university head will without doubt enter all of them within a selected category into the updated one utilizing solely a page and not registering each successively by this framework and second, all information is hold on in

AWS (Amazon Cloud Service) victimization cloud computing. With this component, it encourages director to spare time furthermore as increment their proficiency.

The target of Student Management System is to change the pinnacle of any association to change and see the individual details of a student and permits the understudy to remain up with the most recent his profile. it'll likewise encourage keeping all of the records of scholars, as an example, Roll no, name, address data, signal, Date Of Birth then on. Therefore all the info around associate degree understudy are accessible in no time flat.

In general, it'll create Student data Management a less strict activity for the manager and any association. Student Management System and is projected to assist any association to stay up and wear down all data. While not a Student Management System, overseeing and maintaining the delicate components of the scholar could be a dreary activity for any association.

The site Student Information System has pointed towards recording an impressive number of understudy records and needs online help for overseeing records of Students. Site ought to be easy to use, 'speedy to learn' and dependable site for the above reason. Student Information System has proposed to be remain solitary item and ought not to rely upon the accessibility of other site. The framework will likewise have an executive who has undeniable rights concerning playing out all activities identified with control and administration of the site.



## RESULTS

PHP can access the database and whatever dynamic content we create to show in the website. Those dynamic and static contents are connected to Apache server which helps to connect both of the files to execute simultaneously and on the other side client who is user of the website will be accessing it with the help of servers.

## CONCLUSION

Cloud computing is correct currently memorizing fame as a modest methodology for giving reposting and software package. Another worldview of reckoning has begun to advance as lately referred to as cloud computing. As remote broadband association selections develop cloud computing allows purchasers and organizations to pay to and utilize the programming and capability , during this condition, applications, data and programming never more exist on the client facet, rather they're proscribed as dynamic edges and sleep in a cloud. A cloud will be a system of hubs that have settled on the server facet. a substantial ton of the innovations, as an example, network registering, shared registering have a direct commitment to distributed computing. we've got given distinctive significance to the association between cloud computing and net applications

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