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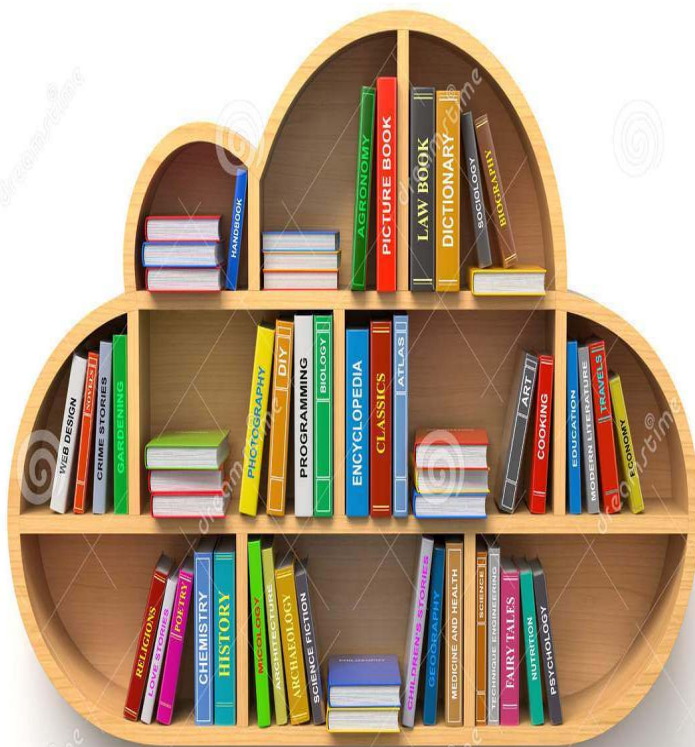
THE ROLE OF CLOUD COMPUTING IN ACADEMIC LIBRARIES.



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Short Profile

Gore Umesh Dattatraya is working as an Laboratory Assistant at Departmental of Library in Modern College of Arts, Science & Commerce, Shivajinagar, Pune. He has completed B.Com., B.Lib. & Inf. Sci., M.Com., M.Lib. & Inf. Sci., SET. He has professional experience of 6 years.



ABSTRACT:

Cloud computing is new concept in the concept of information world. It is an revolution of computers and internet. Cloud computing is a really advance technology. Cloud computing has truly changed the way that can use the power of computer .The technology of cloud computing has come up as a rise for these academic libraries. It provide the chances of opportunities for libraries to connect their services with clouds computing . The implementation of these services have big importance for how libraries now and in the future will stay relevant with the people .This paper provide some basic idea to choosing cloud computing in academic libraries, and feather needs to be considered before putting data on the cloud computing .This research study is helpful in identifying and generating cloud computing for academic libraries.

KEYWORDS

Cloud Computing, academic library PaaS, SaaS, HaaS.

INTRODUCTION:

Cloud computing is just like a fix deposit storage bank ,like when we want to put information and data we can store it some very and get back when we want . Cloud computing is a process that provides services on virtual domain that are located on the top of large machines.

This helps the user to basic and advance activity Center identify of academic and research environment and which helps the us to identify and access the knowledge resources in an academic library. The increasing role done by information technology in the development of society calls for an active reaction to the challenges of information world. The latest technology trend in academic library science and information technology is use of cloud computing for various purposes and for achieving economy in library functions. Most of the libraries have adopting cloud computing for improving its services and useful for there student and as well as there staff also . Cloud computing is a technological innovation that provides a computing Platform for every business . Cloud computing technology permits us for much more efficient computing by integrating processing , storage , memory .

The Cloud computing resources have also become more powerful and also available cheaply . Cloud computing is to be Web-based even if they are commonly based on Internet

The Cloud computing are based on protocols and technologies .

Technological changes are helped to ease this program .

Mainframe and mini-computers, as opposed to the use of the advent of the microcomputer .



WHAT IS CLOUD COMPUTING:

Cloud computing is a term used to describe a new class of network based computing that takes place over the Internet. Important aim of these technologies to make user smarter .

Cloud computing system performs its functionalities, if users do not understand about its usage . we are in the modern age and we are using machines in all of manual work to complete our daily duties.



The program of cloud computing can be grouped into three categories and that is software as a service (SaaS), Platform as a service (PaaS) & Hardware as a service (HaaS) .

1) Software as a service: (SaaS) This is host provides service like data storage software, infrastructure, , and the user interface. Cloud based software services such as customer resources management is also provided by SaaS. This service model provides storage, free services, online email applications ,limitless and remote access from any computer device with an Internet connection.

Exampal of SaaS is Google Docs, Face book, Web mail ,Whatsapp ,hick .

2. Platform as a service (PaaS) Platform as a service is database, middleware and development tools, all are in the form of services through the Internet. Platform as a service is targeted directly to software developers . Some PaaS offers like Google App Engine , Microsoft Azure and the underlying computer .

Platform as a service is Often includes the ability to allow consumers to make sure that their to add limited services Google AppEngine and applications are equipped to meet the needs of users because it provides . In Platform as a service an application infrastructure based on demand . Examples of this service are, Windows Azure, Google App Engine, Force.com.

Microsoft Azure platform, OCLC ,World Cat, JSTOR .

3. Hardware as a service (HaaS) The HaaS model is similar to other service based models, where users rent, rather than purchase, a provider's tech assets . computing power is leased from a central provider In each case .

Presence of cloud computing in Library : Cloud computing is a phrase that is being used today to describe the act of sharing data storing, accessing, and, applications, and computing power in cyberspace. The cloud computing pushes hardware to more abstract levels.



Within the past decade the number and kinds of digital library information sources have proliferated. Computing system advances and the continuing networking and communication revolution have resulted in a remarkable expansion in the ability to generate process and disseminate digital information. Together, these developments have made new forms of knowledge repositories and information delivery mechanisms feasible and economical. Using cloud computing user would be able to see on computer physically books racks, CDs, DVDs, choose to take from to any device.

The system should always be user oriented rather than technology oriented and that the user has become an important part of the development team system in recent years.

CONCLUSION

The history of libraries is very old and they have been used by By the hole world to get information and knowledge. Cloud Computing technology is a completely new Information Technology and it is known as the third revolution after PC and Internet in IT. Cloud Computing is the improvement of Distributed Databases, Grid Computing Distributed Computing, Parallel Computing .To provide accessibility achievements to these services library needs cloud based operating system .libraries think seriously for using of this best services .clubbing libraries services with cloud based technologies is provided reliable and rapid services to their users and student. Therefore, with the aid of Cloud Computing, librarians won't have to maintain their own equipment's or deal with consultations personally

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