

“A Study On The Scope Of Cloud Computing In Management”

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ARTICLE INFO	ABSTRACT
	Cloud computing is a rapidly emerging technology that has significantly changed and opened up potential for many Indian industries. This ubiquitous computing paradigm has completely changed the way that information technology services and infrastructure can be provided. The use of cloud computing in the educational field is becoming more popular. The goal of the current study is to give a general overview of the cloud computing concept and its uses for student and academic collaboration. This paper examines cloud computing's potential educational applications with a focus on management schools. A primary study was conducted with key players in the technical education infrastructures that are put into place for academic usage. The most recent research on cloud computing's application in education was carried out using a qualitative approach. The primary stakeholders in education are identified and the benefits and hazards associated with using cloud computing are analysed in this survey. According to a thorough examination, it is possible to offer more clarity to the benefits of cloud computing by integrating it into management education. Keywords: cloud, e-learning, computing, stakeholders, hazards, management, analyzed, survey, technolog

INTRODUCTION

E-learning resources seem to be expanding and gaining traction as a teaching tool in recent years. "Cloud computing" has been the subject of more and more discussion in the various forums during the past few years (Krelja Kurelovic, E., Rako, S., & Tomljanovic, J., 2013). Cloud computing is a hybrid of new and old technologies rather than a wholly original idea. Another innovative and rapidly developing technology that provides users with access to vast amounts of storage, processing power, applications, and services over the Internet is cloud computing. This new computing trend is centred on the needs of the user and is fuelled by the growing popularity of mobile devices like smartphones, tablets, and laptops.

Due to the fact that all data and apps are stored online, cloud computing offers a number of benefits in addition to certain drawbacks. Because cloud-based apps and data are accessible online and in real time. It can be applied to a variety of daily tasks, including schooling.

The concept of cloud computing allows for easy, on-demand network access to a shared resource pool (servers, storage, apps, and services, for example), which can be quickly provided and released with little maintenance labour. According to the adopted cloud model, the foundation for monetizable commercial value is its utilisation.

Students and teachers can access a variety of cloud-based tools and services for both formal and informal education. With more cooperation, communication, and resource sharing possible, cloud computing enables more flexibility and mobility in the use of resources for teaching and learning. Additionally, it establishes virtual communities for teaching and learning or personalised learning environments.

A REVIEW OF MODELS FOR CLOUD SERVICES

SaaS (Software as a Service)

SaaS or software as a service cloud computing software “service distribution” model in which service provider or Vendor by the applications to the host is done and it's on the internet customers to be provided SaaS in

today's time is quite prevalent service delivery model which is becoming that Service Oriented Architecture (SOA) or Web Services support. All SaaS or software as a service cloud computing software “service distribution” model in which service provider or Vendor by the applications to the host is done and it's on the internet customers to be provided SaaS in today's time is quite prevalent service delivery model which is becoming that Service Oriented Architecture (SOA) or Web Services support.

PaaS (Platform as a Service)

Its developers do the platform provides is where they application build can, or you can create this service in the cloud the same host (host) can be and by the internet user from anywhere it can access.

For example, the type teacher for kids drawing paint color, paper ,brushes, etc. are provided to the students just painting have to do the same type of PaaS to the user in various tools with a platform is provided where the application can develop Users from time to time on the new features updating are made and it is a platform which provides application development support for this reason, the software developer ,Web developer and other business for it is quite beneficial also IT software support and management services, storage, networking, deploying, testing, collaborating, hosting and applications maintaining.

IaaS (Infrastructure as a Service)

PaaS in addition to the ER of cloud computing is a fundamental (fundamental) service and user computing resources to the virtual way on the internet it can access in a different type of computing service and infrastructure like virtual server space, network connections, bandwidth, load balancers and IP addresses etc. IaaS computing is a complete package for small scale business and it is quite suitable because it is relatively the IT infrastructure reduces the cost of IaaS computing by using any business.

ROLE OF CLOUD IN EDUCATION

Now is a fantastic time for administrators, teachers, students, and parents to investigate the ways in which cloud-based apps might benefit students and the university or institute.

Benefits	Description
Textbooks that are less priced or require a subscription	Textbooks for postgraduate study are more costly and scarce in library resources. By transforming them into digital content formats, which are less expensive than printed versions, cloud-based textbooks can address this issue. This will facilitate the students in the lower-income groups' access to high-quality educational resources.
No more outdated learning materials	Many times, the expensive printed textbooks which students are using from library are outdated. Also due to financial concerns or budget provisions, replacement of these outdated resources becomes an issue. In Cloud based materials are easy to update on real time basis, so that students get access to the latest learning resources.
Less hardware expenses	Cloud-based applications runs on Internet browsers and they are also compatible with the mobile devices. This means that learner does not necessarily need to own an expensive computers / laptop, a Smartphone or Tablet can access these applications. Learner doesn't need to buy any storage devices, as the data can be stored on to cloud like Google Drive.
No expensive software required	One of the biggest advantages of cloud computing is the SaaS model (software-as-a-service). Many software applications based on Android based devices are now available either free or on a low-cost subscription basis.
Students reach	Cloud computing has opened a world of new possibilities for learner and academia. Now the learner can earn their diploma via opting online instruction medium. There are many other types of students for whom a traditional school environment simply doesn't work, and cloud computing has provided alternate to these students.
Environment	Cloud computing not only reduce costs, but also create an environment where all learner have access to high quality education resources. Such online cloud based environment creates collaboration amongst academia and student or learner.

Data Examination and Interpretation

The information gathered for this exploration were from both essential and auxiliary sources. The essential source information were gathered utilizing surveys, while the auxiliary source information were accumulated from scholarly Diaries, distributions, the Web and writing in light of distributed computing.

Questionnaires: Google Docs, an online survey application, was used to distribute the questionnaires because it was simple to administer. It makes statistical analysis simpler. The survey connect was messaged to respondents and was acquaint with the subject in an individual gathering with them. Auxiliary Data: The optional information utilized for this examination was gotten from scholastic diaries, Google researcher web search tools and so on. Likewise, numerous helpful distributions from web were utilized. The information from these assets were helpful in fostering the writing audit, the examination goals and exploration plan.

The information examination was performed on the reactions given by 53 respondents from Advanced education Schools, Post Graduate Foundations and College Review Focuses.

Table 1: Type of organisation

Experience	Degree College	Post Graduate Institutes	University (Distance Mode)
Organisation type offers management education	28 (52.8%)	20 (37.7%)	5 (9.4%)

Table 2: Media of study material distribution to students

Media	Count	%
Text Books, Printed Notes	21	51.9%
eBooks	28	53.8%
CDs	12	23.1%
Depends on Teacher / Faculty	48	92.3%
None	5	9.6%

Table 3: Mode for course / subject lecture delivery

Course Delivery Mode	Count	%
Personal Contact Programs (Periodic in year)	5	9.4%
Virtual Class Rooms / Video Conference	17	32.1%
Course based Video Lectures	7	13.2%
Traditional Class Room Teaching	49	92.5%
None	2	3.8%

Table 4: Awareness of Internet / cloud computing

Experience	Not aware	Somewhat aware	Totally aware
Awareness of Internet / Cloud Computing	8 (15.09%)	39 (73.58%)	6 (11.32%)

Table 5: Website for content delivery

Website Hosting Mode	Count	%
In-House	1	1.9%
Out-Sourced	12	22.6%
Web-sites (No knowledge about hosting location)	24	45.3%
No	16	30.2%

Table 6: Will cloud computing play major role in the collaboration at your Institute?

Role of Cloud Computing	Count	%
Yes	21	39.6%
No	3	5.7%

Never thought about it	23	43.4%
Neutral	6	11.3%

Table 7: Do you find cloud computing is insecure medium / environment (Trust Factor)

Cloud Computing insecure Medium / Environment	Count	%
Strongly Agree	0	0%
Somewhat Agree	32	60.4%
Disagree	1	1.9%
Neutral	20	37.7%

Table 8: factors might affect the adoption of cloud computing

Factors affect the adoption of Cloud Computing	Count	%
Internet Bandwidth	19	35.8%
Staff Motivation	24	45.3%
Budgets, College / Institute Policy	21	39.6%
Vendor Support	11	20.8%
Neutral	23	43.4%

Table 9: factors affect the adoption of cloud computing in education

Factors affect the adoption of Cloud Computing in Education	Count	%
Security, Privacy, Reliability issue	23	43.4%
Hacking, Theft, Attacks	14	26.4%
Content Development	23	43.4%
Laws and Regulation	0	0%
Neutral	25	47.2%

CONCLUSION:

The distributed computing is a quickly creating Web based processing model. With the mix of e-getting the hang of utilizing distributed computing and the board training, opens up novel thoughts for additional turn of events. We have discussed the advantages and drawbacks of e-learning based on cloud computing in this paper. There is no question that the presentation of distributed computing into the board training is attainable and presents to us the roughly endless registering ability, adaptability, advantages to the understudies.

The paper likewise features the utilization of cloud isn't sufficient in the degree level universities, which should be improved. 53% of the foundations give digital books, which is a benefit for understudies and evolving climate. The 92% of the organizations utilizes conventional homeroom showing strategy and furthermore involved video gathering for address conveyance. 73% of the organization authorities are absolutely mindful of Web and distributed computing innovations. 70% of the answering foundations have school site, yet have no instrument for concentrate on material or content conveyance. 100 percent of the answering establishments use email for cooperation with controllers, understudies and other partners. 40% of the answering foundations accept that distributed computing will assume significant part in the association for joint effort. From security perspective 60% of the answering establishments accept that cloud is fairly uncertain. 45% of the answering establishments accept that staff inspiration will influence their cloud reception for the executives schooling. The majority of institutions that responded believe that the most significant factor that will impact cloud adoption will be security, privacy, reliability, attacks, theft, and hacking.

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