USE OF CLOUD APPLICATIONS BY YOUNGSTERS OF AURANGABAD

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Abstract: The Cloud Computing and Mobile Apps technology has its own significance on youngsters these days. They are playing an important role in strong and flexible communication among people, especially among youngsters. The technology is enriched with lot of enhanced features and facilities which attracts the youngsters. This study includes the use of cloud applications by youngsters of Aurangabad located at Maharashtra State of India.

Index Terms - **Cloud computing, SaaS, PaaS, IaaS, Apps, Mobile Apps**

I. INTRODUCTION

Youngsters has a special concern for cloud computing technology. The wide popularity of cloud computing within youngsters is because it is a centralized online server application providing space to keep all types of documents and information like word files, images, songs, etc.

The advanced cloud computing features provide the youth a flexible and an easy usable platform for resource sharing, information storage and for world-wide interactions.

With the use of cloud computing, there is no need to keep various drives like pen-drives, flash drives or hard disks for storing personal data. The cloud computing mode with the mail and social networking site profiles allows us to access and save our data from anywhere around the world. The only requirement is a reliable Internet connection. This concept provides the young generation a convenient online data storage application. Another advantage of using cloud computing is the significant shifting of workload. The local computers do not need to do all the heavy lifting when it comes to run applications. Instead the network of computers which constitutes the cloud handles them. This work sharing features of cloud computing makes the network faster and consistent.

The significant usage of cloud computing has decreased the hardware and software demands on the user's side. The only requirement at user's side is the ability of computer to run the interface software of the cloud computing system and the rest of work will be carried out by the cloud's network. The interface software can be as simple as a Web browser or an App.

Mobile app or an app is a software program or application developed to run on devices like phones, tablets, watch or any smart devices for a specific purpose. The apps are very popular among the youngsters. Popular apps like Facebook, Instagram, Twitter, WhatsApp, etc. are found in every smart phones. Apps are generally delivered on the platform given by operating system providers like Google Play Store or Apple App Store.

I. LITERATURE REVIEW

As per Business Week, 2006 On 24th August 2006 Amazon test version of its Elastic Computing Cloud (EC2) for public, so it will be known as birthday of cloud computing.

On 3rd March 2007 the first entry in the English Wikipedia shows and contained a reference to utility computing.

In National Institute of Standards and Technology Hassan, Qusay at The Journal of Defense Software Engineering. CrossTalk. 2011 and Peter Mell and Timothy Grance (September 2011): U.S. Department of Commerce defines cloud computing as: It is a model for enabling ubiquitous, on-demand access to a shared pool of configurable computing resources (e.g., computer networks, servers, storage, applications and services), which can be rapidly provisioned and released with minimal management effort.

II. OBJECTIVE OF THE STUDY

1. To know the awareness and use of cloud services in youngsters of Aurangabad
2. To know which cloud applications are commonly used by youngsters

III. YOUNGSTERS AND CLOUD COMPUTING

Nowadays youngsters are continuously experiencing the benefits of cloud computing strategy. A best example of this is the usage of web-based e-mail services. If you have an account with web based e-mail services like Gmail, Yahoo, Hotmail, etc, then you are actually logging in to a Web e-mail account remotely instead of running an e-mail program from your local computer. The software and storage for your account doesn't exist on your computer instead it is relied upon the service's computer cloud.

The cloud computing services are categorized into various types based on their mode of service. The various cloud computing types include;

1. IaaS – Infrastructure as a Service
The service provider uses a piece of software, hardware or firmware which creates and runs virtual machines.
2. PaaS – Platform as a Service
The service provider offers a computing platform that consists of Web server, Mail server, Operating system, etc. It refers to the environment in which the application run or operate like Operating System (OS) may be rented from the vendor eg. Databases.
3. SaaS – Software as a Service
SaaS is referred to on-demand software. It is priced as a pay-per-user basis. It refers to any type of software program that is managed remotely and delivered via the web. The example of SaaS are Google Apps for Education and Microsoft Office 365(O365) which provide communication and office applications such as email and spreadsheets

IV. CLOUD SERVICES AND ITS USE BY YOUNGSTERS

The cloud computing technology is popular in youth by making drastic revolutions in the Internet world by means of social networking. The cloud computing could exactly analyze and fulfil the interests and demands of youth.

To know the awareness of cloud computing technology 200 youngsters were selected from Aurangabad city. The gender wise response were received as per Chart 1.
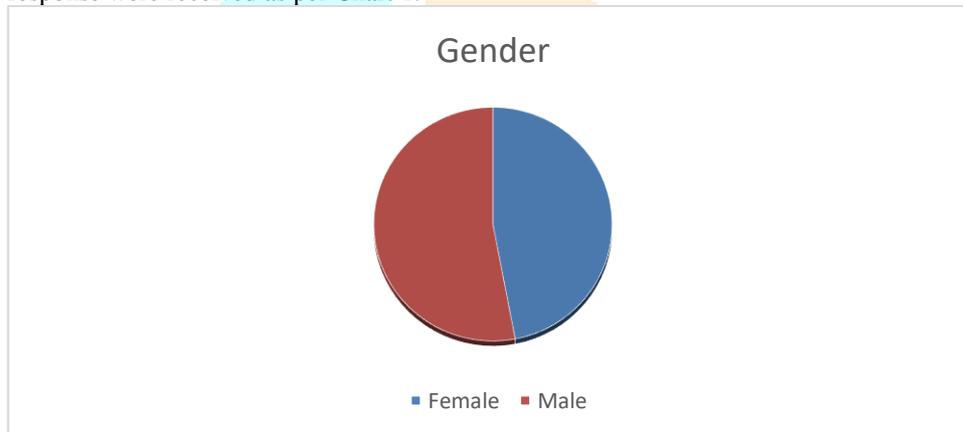

Chart 1: Gender Ratio in percentage

As per Chart 1 it is observed 47% of female candidates and 53% male candidates were participated in the study having basic knowledge of smart phones. There is marginal difference between the gender ration for basic knowledge of smart phones. In general it is also observed that youngsters using cloud services but don't know that they are using cloud computing technology.

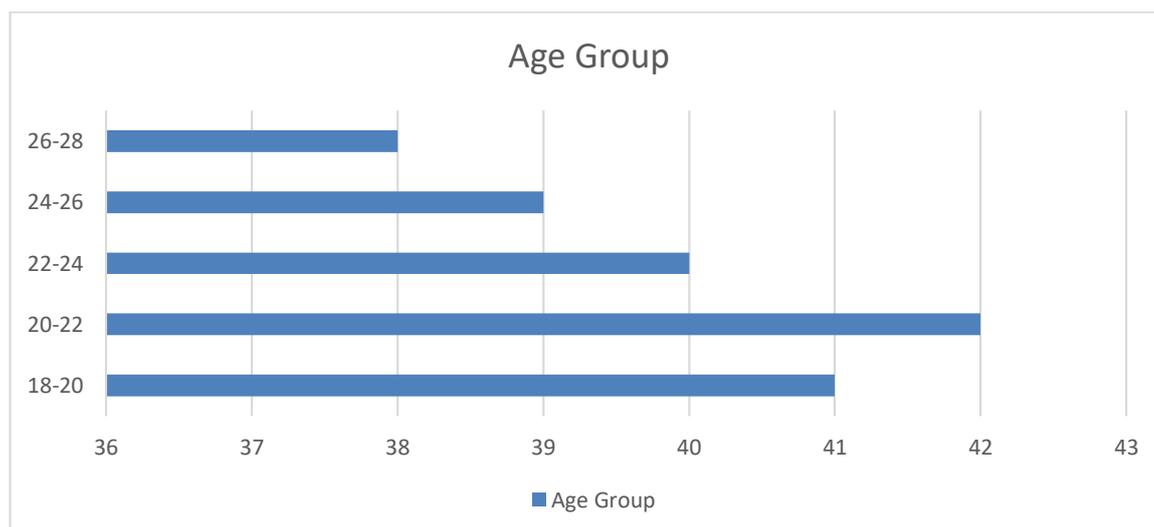The youngsters were divided into 5 age groups as per char 2 from age 18 to 28.

Chart 2: Age groups

There are various type of contents used by youngsters in cloud for academics, research and entertainment like PDF-MSWORD files, Photos, Music, Video, Games, etc. The contents used by youngsters onto the cloud is shown as per the Chart 1.
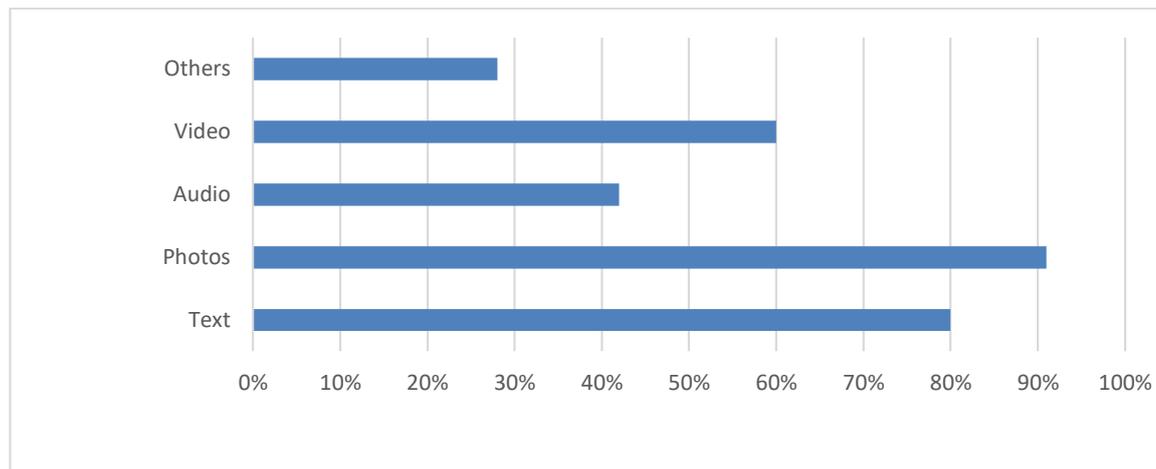

Chart 3. Contents used by youngsters in cloud

As per the chart 1 it is observed that youngsters are passionate about photos for sharing and uploading on cloud. Then comes text related applications like email, messengers, microblogging, banking etc. After that videos contents and audio contest and lastly others containing online games, healthcare etc.

Most of the youngsters are using smartphone device to access cloud services than computer/laptop. The smart phone app helps the youngsters to access the cloud services. The Chart 2 show the most common used cloud applications.
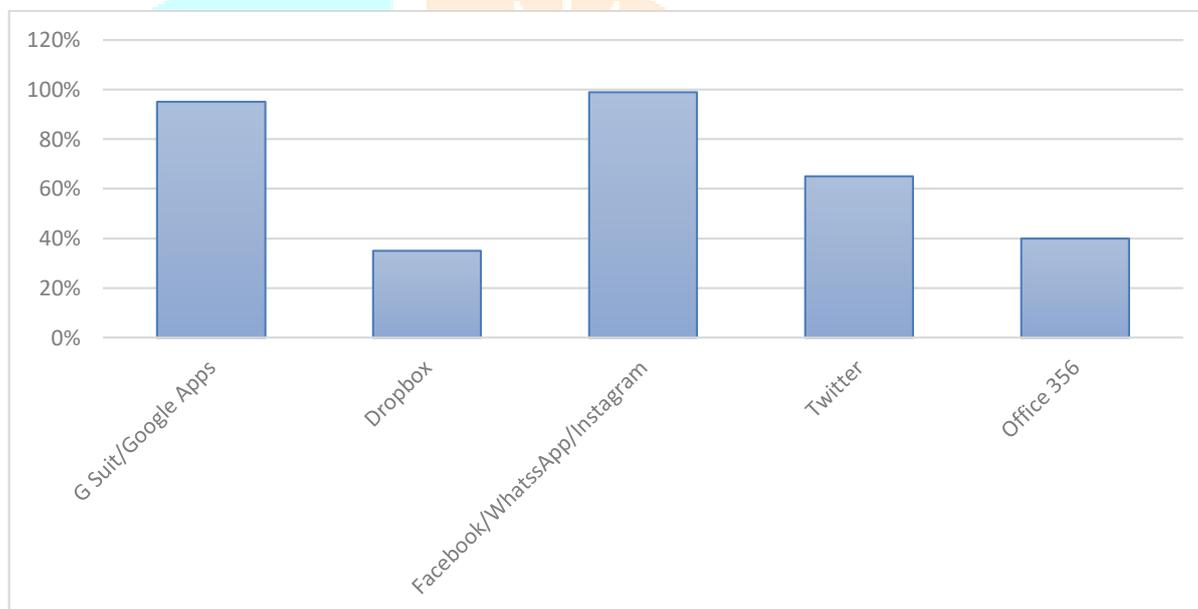

Chart 4. The commonly used cloud applications

The most commonly used cloud application by youngsters is Facebook, its messenger WhatsApp and Instagram. Instagram and WhatsApp Inc. was acquired by Facebook in 2012 and 2014 respectively. Second commonly used cloud application is G Suit/Google Apps offered by Google. G Suite is a set of cloud computing, productivity and collaboration tools, software and products having word processing spreadsheets, presentation software, e-mail programs, storage, calendar, etc. developed by Google Cloud, first launched on August 28, 2006 as Google Apps.. Third most commonly used cloud application is Dropbox, a file hosting service operated by the American company Dropbox, Inc. which is offering cloud storage, file synchronization, personal cloud, and client software. Twitter and Instagram are quite popular due to its role in social networking. Office 360/O365 by Microsoft is also a popular cloud application used to collaborate for free with online versions of Microsoft Word, PowerPoint, Excel, and OneNote, Save documents, spreadsheets, and presentations online, etc.

V. LIMITATION OF THE STUDY
1. Only students from age 18-28 were selected for the study.
2. Geographic data from Aurangabad city were selected for the study.

VI. FINDINGS OF THE STUDY

1. The researcher found that there is marginal difference between the gender ration for basic knowledge of smart phones.(Chart 1)

2. It is also observed that youngsters using cloud services but don't know that they are using cloud computing technology.

3. It is found that youngsters are passionate about photos for sharing and uploading on cloud and texting comes after that.(Chart 3)

4. The researcher reveals that the most commonly used cloud application by youngsters is G Suit/Google Apps offered by Google, due to the affordable Android Smart Phones by Google.

VII. CONCLUSION

As per the above study it shown that cloud can be a very useful tool with youngsters. Which will help then not only in academics but also in upcoming career opportunity. It also shown that majority of the graduates are aware of the cloud and they are getting benefit out of it. There are various reasons behind the use of cloud and few significant are first is the ability of using contents from any device like smartphones, work computers, home laptops etc. at any time by connecting to the internet. Second is the ability of sharing data and files securely with others. Third is the ability to protect against the loss of data and files due to hardware failure or theft.

IV. RESULTS AND DISCUSSION

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