



UTM
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SCHOOL OF COMPUTING
Faculty of Engineering

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Assignment 2

Subject : Technology and Information System (SECP1513)

Task : **NEWSLETTER** on

- : a. Cloud Computing Service Provider
- b. Industrial Talk 3 by Asia Pacific University (Mon 15th Nov 2021)
- : c. Industrial Talk 4 by OZEL Sdn Bhd (Thursday 18nd Nov 2021)

Title : Technology Information System, Cloud Computing and Augmented Reality

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Cloud Computing Service Providers



Adobe Creative Cloud is a collection of software for graphic design, video editing, web development, and photography. Adobe Creative Cloud is an assortment of applications and services created by Adobe that is ideal for photography, videography, design, and web development.

Dropbox is the most popular cloud storage system on the market and it continues to improve its features and it allows users to move files, such as images and video, off their computers and onto a database in the cloud. With Dropbox, all your files are backed up to the cloud and available online



Microsoft Azure, is Microsoft's public cloud computing platform. It provides a range of cloud services, including compute, analytics, storage, solutions including Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS).



Serverspace is cloud infrastructure services that can be used to deploy virtual servers. It predicts pricing to make you aware of what you are using and how much you need to pay. Its Scalability makes it a platform work for everyone.

Google Cloud Platform is a public cloud computing services offered by Google. The platform includes a range of hosted services for compute, storage and application development that run on Google hardware. It protects your data, applications, infrastructure, and customers from spam, and abuse. data storage, and compute services provide data encryption at rest, in transit, and in use.



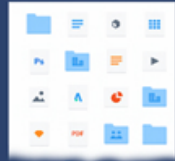
COMPARISON



ACC:ls for graphic design,
video editing, web development,
and photography



Dropbox: is for storing data like photos, and videos that is on your computer on online files to free some space and you can back it up any time



Azure's storage capabilities are also extremely reliable. Both Azure and AWS are strong in this category and include all the basic features



Serverspace is used to know how much money was spend or you need to pay



Google cloud is to secure your data and it prevents the customer from spam and abuse by others



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Amazon Web Services



Industrial talk 3

By Abdullah Al Khalid

Amazon Web Services provides a wide range of cloud-based services around the world, including compute, storage, databases, analytics, networking, mobile, developer tools, management tools, IoT, security, and corporate applications: on-demand, instant access, and pay-as-you-go pricing.

The traditional computing model requires space, staff, physical security, planning, capital experience. Also, it has a long hardware procurement cycle. Then again there is no surety that the work will make the hardware used most efficient. Moreover, the costs are way higher these days.

On the other hand, cloud computing is so much flexible, easy to use, and cost-effective. Also, the server can be in any location that the client wants, no need to ship the server and wait for it to reach. It's 24/7 usable with zero downtime.

SERVICES COVERED BY AWS

- **COMPUTE SERVICE**
- **SECURITY, IDENTITY & COMPLIANCE SERVICE**
- **STORAGE SERVICE**
- **DATABASE SERVICE**
- **NETWORKING CONTENT DELIVERY SERVICE**
- **COMPUTE SERVICE**
- **MANAGEMENT & GOVERNANCE SERVICE**
- **AWS COST MANAGEMENT SERVICE**



aws & cloud computing is the way to go

In more than 240 countries and territories, AWS serves over a million active clients. We're steadily developing our worldwide infrastructure to enable our customers to achieve lower latency and higher throughput while also ensuring that their data is only stored in the AWS Regions they choose.

As each amazon region is completely isolated from each other so the servers are more stable. Cloud security is AWS's highest priority. As it is a cloud platform people only need to pay for their service. Not for the physical security.

aws supports all three types of cloud computing models including IaaS, PaaS, SaaS. Also, it's hybrid and On-premise.

Developers and IT departments can focus on what matters most while avoiding undifferentiated tasks like procurement, maintenance, and capacity planning thanks to cloud computing. As cloud computing has become more widespread, a variety of models and deployment methodologies have arisen to fulfill the needs of various users. You have varying levels of control, flexibility, and management depending on the cloud service and deployment technique you use. Understanding the differences between Infrastructure as a Service, Platform as a Service, and Software as a Service, as well as the many deployment options available, can assist you in determining which combination of services is most suited to your requirements.





TECHNOLOGY INFORMATION SYSTEM, CLOUD COMPUTING AND AUGMENTED REALITY

NEWSLETTER ON

Industrial Talk 4 by OZEL Sdn Bhd

DONE BY ABDULLAH AL RAFI

AUGMENTED REALITY

Augmented reality (AR) is an enhanced version of the real physical world that is achieved through the use of digital visual elements, sound, or other sensory stimuli delivered via technology. It is a growing trend among companies involved in mobile computing and business applications in particular.

In recent decades the manufacturing sector has been through massive evolution, for mass production thought the use of robotics to increase efficiency had constantly evolving with more and more in fusion of automation

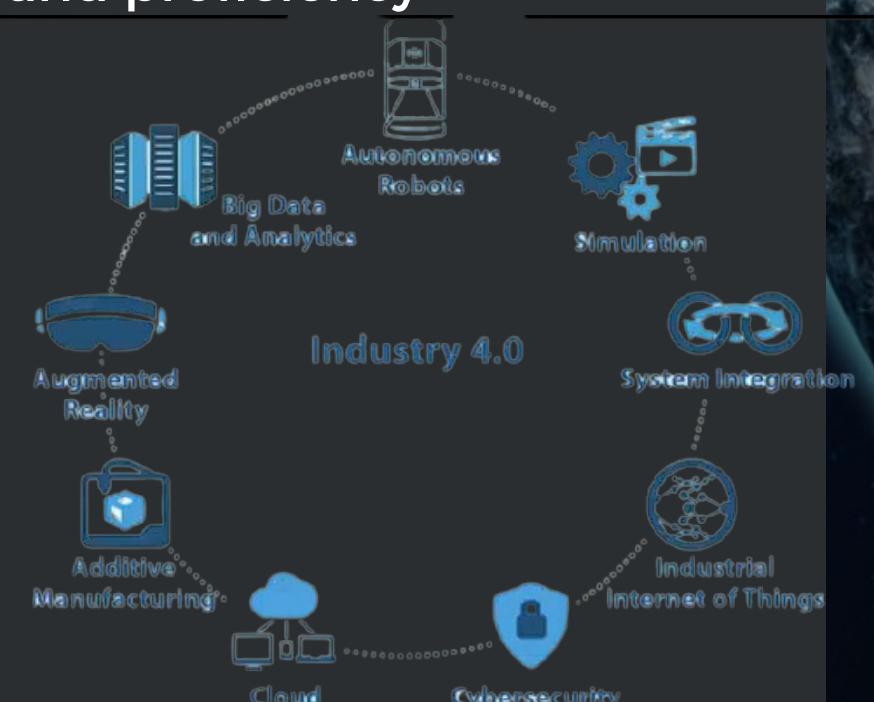
Industry 4.0 is the digital transformation of manufacturing and related industries and value creation process

People has already calculated that AR will take over market in 2025

The most Expected revenue will be video games, it is expected to make 11.6 Billion USD, Currently it is one of biggest industry in the world , and it is growing rapidly day by day moreover AR is playing a big role here.

AR has greatly effected the Industry area, It has taken over all the hard human works , and it has made it's way into hard labour to control panel , With the help of AR people are doing work more effortlessly

AR allows plant managers to simulate the production process and assembly line configurations, identifying potentially dangerous situations. Virtual reality can also be used to immerse an employee in a future workstation, then capturing the employee's movement to evaluate task feasibility and proficiency



FUTURE OF AR

In this Era people are already leaning towards AR technology ,AR is becoming a Everyday assistance to our daily Activities. AR is progressing rapidly

The AR/VR devices of the future will provide personalized, accessible and well-designed experiences. As these elements take hold, a platform shift is imminent. In my opinion, in three years we are going to see new AR glasses with LTE capabilities that will become an alternative to the smartphone.

In near future AR will change the world

In this augmented version of reality where both virtual and real worlds work in seamless coordination, users are able to experience a new and improved natural environment where overlays of virtual information are used as a tool to provide assistance in everyday activities.

Augmented reality uses in future

- 1.education
- 2.products
- 3.fashion
- 4.creation of metaverse
- 5.navigation
- 6.healthcare
- 7.Automotive industry
- 8.sport and events
9. Virtual assistance
- 10.Virtual user instruction

key areas where humans beat machines that are key to future job creation

Creative endeavours – everything from scientific discovery to creative writing and entrepreneurship
Social interaction – robots just don't have the kind of emotional intelligence that humans do
Physical dexterity and mobility – millennia of hiking mountains, swimming lakes and dancing practice
gives humans extraordinary agility and physical dexterity