



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SCHOOL OF COMPUTING
Faculty of Engineering

SECP1513 – TECHNOLOGY AND INFORMATION SYSTEM

INDUSTRIAL VISIT:
CICT

SECTION :08 - 1SECR
COURSE NAME :BACHELOR OF COMPUTER SCIENCE
(COMPUTER NETWORK & SECURITY)

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TABLE OF CONTENT

INTRODUCTION:	Page
• How CICT has been develop • What UTM has served for CICT • History of CICT	2
DETAILED DESCRIPTIONS: Types of component: • IBM PERSONAL SYSTEM/2 MODEL 70 386 • IBM P70 MODEL 6554-673 • IBM PERSONAL COMPUTER 300GL • APPLE MACINTOSH CLASSIC COMPUTER • IBM POWERSERVER 550 • MAGNETIC TAPE UNIT:IBM (3420) • MAINFRAME DATA STORAGE MODEL:IBM (9345B22) • MAINFRAME TAPE SUSBSYSTEM MODEL: IBM 9309 • SLIDE FILM & SLIDE MOUNTING ‘MODEL SEARY’ • SLIDE PROJECTOR	3
REFLECTION	7
TASK GIVEN TO EACH MEMBER	8
REFERENCES	9



INTRODUCTION OF CENTER FOR INFORMATION AND COMMUNICATION TECHNOLOGY(CICT)

CICT is a support unit that delivers and offers ICT services for the university (staffs and students) especially in ICT infrastructure, system development and academic / administrative activities. CICT was also known as the Computer Centre back in 1975, and then it became the Institute of Computer Science in 1984. The name was then changed to Computer Centre UTM (PKUTM) in the year of 1991. And finally the name CICT was given in the year 2004 which has remained till the present day.

CICT is responsible for planning and provision of central ICT services in UTM and also facilitating the delivery of ICT services across the University's campus. CICT provides a lot of services that benefit not only the staff but also the students in UTM. CICT supports the use of ICT in the academic and administrative functions of the university. CICT offers hosting services such as web hosting, server hosting and also co-location server hosting not only to the UTM community, but also for any external customers at a very affordable price. CICT also developed and now maintains the campus communication network system. CICT provides a dedicated server to enable customer to make maximum configuration and customization of servers and also application.

DETAILED DESCRIPTIONS

We visited Gallerium which located at level 2 Perpustakaan Sultan Zanariah, UTM on 27th October 2019. We were accompanied by Encik Zahari who gave briefing and information regarding the components that were used in the old days.



Explanation on the evolution of technology

Encik Zahari said that most of the components were build by CICT team themselves. We learned that back then, most of the component and devices store very limited capacity for data storage and the performance are not slow which was unexpected and some of the component also build in a big size. Here are some history of the component used in UTM:

COMPONENT	IMAGES	HISTORY
IBM PERSONAL SYSTEM/2 MODEL 70 386		IBM Personal System/2 70 386 have a high density memory technology and a range of integrated features. The computer and its system, supported the Library significantly in performance improvement for desktop operation. It was also compatible with most software products available for a personal computer system in UTM Library.
IBM P70 MODEL 6554-673		IBM P70 Model 6554-673 was used in UTM Library in early 1998 to contribute to work performance. As such, Library was liable of all modules, databases, software operations and data accessibility. Its able to support 16MB only on the disk storage.
IBM PERSONAL COMPUTER 300GL		IBM Personal Computer 300GL being an inclusive and affordable computer, helped increased the productivity and reduced the cost of ownership of UTM Library. Apparently, technological revolution of computer usage coincides with system change and this was evident with the application of Dynix system for 10 years.

APPLE MACINTOSH CLASSIC COMPUTER		The Macintosh Classic was first introduced in early January 1984 and has been used in UTM Library in early 1990. it was equipped with a software memory of 1MB of RAM and 2MB to 40MB of hard disk. The computer was used in the Library along with the Lotus 123 and Word Star applications for work and simple calculation because of its large capacity at that time.
IBM POWERSERVER 550		The IBM 550 POWERserver boasted an outstanding performance with its fastest chip in the world during the 1990's technology. It was considered as an apt system for a medium-sized database at the time. In relation to the Library's technology, the application which operated on a Mainframe was seen as the starting point of the information technology evolution and played a great impact on UTM Library's history.
MAGNETIC TAPE UNIT MODEL : IBM (3420)		The Magnetic Tape Unit was used as a 'back up' for the mainframe system and information database of staffs and students as well as other University's information system during the year 1976 until 2010.

MAINFRAME DATA STORAGE MODEL : IBM (9345B22)		The usage of Mainframe System of UTM began in the 1970s at Computer Centre, UTM campus, Kuala Lumpur. It served as a data control of students and staff information. The mainframe has been used for almost 20 years for various components and functions such as processing, storing, securing, and printing the University's information data.
MAINFRAME TAPE SUBSYSTEM MODEL : IBM 9309		The Mainframe Tape Subsystem was used as a 'back up' for mainframe system and information database of staff and students as well as other University's information system during the year 1987 until 1995. this model used a square shape tape after the round shape tape was no longer in use.
SLIDE FILM & SLIDE MOUNTING 'MODEL SEARY'		The 'Slide Mounting' is a tool used to produce frames for slide films. An edited film was placed into a special adhesive frame. The frame was then inserted into an electric brace and compressed at a specific heat for 10 seconds until it was attached. A total of 600 titles of slide films are available for reference at UTM Library using a special projector machine tool.

SLIDE PROJECTOR		This slide projector was used in the Library to display slide shows during the 1970s until early 1990s.
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REFLECTION

Based on our visit to the CICT Gallerium which was located and held in the Sultan Zanariah Library (PSZ) we were able to realize to focus on our goals and dreams after being able to experience and hear about the evolution of technology in the last couple of decades. This was particularly eye opening for us as we able to realize in depth as well an opportunity for us to see how technology evolved in the past decades. Encik Zahari, the person who was in charged briefed us on the usage as well as how it varies from the modern version of the technology today in place of it. This gave us all a image of how an idea that started out small was able to be developed and changed into things that made our life so easy and smoother. This was a wake up call for us to realize that nothing is impossible as long as we put our heart and soul into it. This made us realize how important it is for us to not give up on our hopes and dreams. So as group and individually we all have realized our goal and purpose is to be able to generate ideas and new ways to overcome everyday issues by technology and making life a much more easier.

This visit impacted us in more than one way. It showed us the importance of technology and its development and it made us realize that without evolution of technology, we won't get to use email to send our message to different place in a blink of an eye and can't even search any information with a single click. This shows us how important it actually is to strive for success and continue to push the boundaries of this technological era and platform to its very maximum and make good use of it. With that said we have come to a realization that technology is an ever evolving process and we as students have to take up the responsibility of carrying it further into the future for the generations to come and to continue to understand it so that we are able to advance it further and further to its absolute state.

Throughout this whole process of understanding the importance of focusing and realizing our goals we were also able to dig deep and process ways to better ourselves as well as an action plan. This goal of ours both as a group and individually requires dedication and whole heartedness. It also sacrifices of our time, energy to brainstorm ideas and to give our very best at every moment and be able to overcome situations to improve ourselves. We must also be absorbent to the things we learn so are able to apply it as well.

TASK FOR EACH MEMBER

No.	Members	Task
1.	MUHAMMAD ISYRAFF IRFAN BIN MOHAMMAD RIZAL	Reflection, task for each member
2.	PRAVEEN A/L HARIKRISHNAN	Introduction, compiling
3.	CHE NURUL FATHIAH BT MOHD HISHAMUDIN	Explanation of history of the component used in UTM

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