



SEMESTER 1

SESSION 2019/2020

SECP1513

INDUSTRIAL VISIT REPORT

ON

“ CICT “

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LECTUERER- DR. ARYATI BINTI BAKIRI

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INTRODUCTION

As a Software Engineering student's, visiting Centre for Information and Communication or known as CICT as a part of our Course- Technology and Information System. Our Lecture DR. ARYATI BINTI BAKIRI gave us a chance to Visit and explore various knowledge. It was an experience for us as a first year undergraduate student at UTM.

On that day, CICT had prepared for us various exhibitions pertaining to the CICT and UTM background such as:

- ❖ Antique hardware's (monitors, typewriters, mainframes).
- ❖ Old thesis and projects related to computing courses.
- ❖ Stunning portrait paintings of UTM chancellors.
- ❖ Specially origin of storage system support.
- ❖ Old chancellor's ceremony robes.

There was also a discussion part conducted by a representative from CICT. He explained and introduced all instruments on CICT's gallery. The discussion was focused on the difference of the working style in CICT in early days to present. The discussion also highlighted that we should be grateful for the technology today that really eases our everyday tasks. At the end of the part this visit we had done on question session. We gather so many things by asking some questions.

CICT provides various types of services for students, both undergraduate and postgraduate, and also the all staff in UTM. These services are:

1. UTM ID
2. UTM Portal
3. Licensed software
4. Official email
5. Local UTM Network
6. HPC for Research

We were required to write a report detailing our experience during the industrial visit about CICT as a whole and the presented exhibitions that day. We were also required to write our reflections of the visit, such as how this visit has impacted our view on IT as an industry.

DETAILS OF JOURNEY

On the 20th of October 2019, Sunday our lecturer of Technology and Information System, conducted an industrial visit to an exhibition organized by the Centre for Information and Communication. This exhibition was started at 3.15 pm. This industrial visit was held in the university's main library, Perpustakaan Sultanah Zanariah (PSZ).

COMPONENTS DESCRIPTION

It was a wonderful opportunity to experience a visit to Centre for Information and Communication as it ties in with our course. We visited lot of components related to computing as showed in the Gallerium, PSZ. Such as:

3.1: IBM POWER SERVER:



This is the photo of IBM power server. For mid-size database servers, the Power 550 Express provides outstanding performance, capacity and near continuous application

availability. Mid-sized companies can access data faster, keep their applications running around the clock, and focus attention on growing their business. The Power 550 Express supports an extensive portfolio of proven solutions by supporting multiple operating systems: AIX®, IBM I, Linux for Power and x86 Linux applications. This flexibility in operating environments lets you deploy the applications your business demands.

3.2: IBM PERSONAL COMPUTER:



The IBM Personal Computer, commonly known as the IBM PC, is the original version of the IBM PC compatible hardware platform. It is IBM model number 5150. The success of the IBM computer led other companies to develop IBM Compatibles, which in turn led to branding like diskettes being advertised as "IBM format". An IBM PC clone could be built with off-the-shelf parts, but the BIOS required some reverse engineering. Companies like Compaq, Phoenix Software Associates, American Megatrends, Award, and others achieved fully functional versions of the BIOS, allowing companies like Dell, Gateway and HP to manufacture PCs that worked like IBM's product. The IBM PC became the industry standard.

3.3: MAGNETIC TAPE UNIT:



The oxide side of a tape is the surface that can be magnetically manipulated by a tape head. This is the side that stores the information, the opposite side is simply a substrate to give the tape strength and flexibility. A wide variety of audio tape recorders and formats have been developed since, most significantly reel-to-reel and Compact Cassette. Digital recording to flash memory and hard disk has largely supplanted magnetic tape for most purposes. However, tape as a verb and as a noun has remained the common parlance for the recording process. Videocassette recorders used to be common in homes and television production facilities, but many functions of the VCR have been replaced with more modern technology. Since the advent of digital video and computerized video processing, optical disc media and digital video recorders can now perform the same role as videotape. Tape drive used a thin strip of one-half inch (12.65 mm) wide metal, consisting of nickel-plated bronze (called Vicalloy). Recording density was 100 characters per inch (39.37 characters/cm) on eight tracks.

3.4: HUNTER PENROSE CAMERA:

A stunning mahogany show wood Hunter-Penrose Ltd 20 x 24" process camera. Can be used as a studio wet plate camera and a similar one was reputedly used in the production of the Manchester Guardian pre the micro-fiche. Comes with a plate holder the overall

condition is superb, including the large bellows, and as far as we are aware in working order. Would make a wonderful decorator's piece and talking point. Currently on castors to facilitate moving. Max measurements: 48" Long 30.25" High 19" D.



3.5: SECONDARY STORAGE:

Secondary storage refers to storage devices and media that are not constantly accessible by a computer system. It's a non-volatile, permanent storage system. Examples include external hard drives, portable flash drives, CDs, and DVDs. In this picture we saw the different types of secondary storage: Floppy disk, Floppy drive, IBM hard drive and also CDs, DVDs. These devices and media must be either plugged in or inserted into a computer in order to be accessed by the system. Because secondary storage technology is not always connected to the computer, it is commonly used for backing up data.



REFLECTIONS

The industrial visit went successfully. CICT exhibition showcases a variety of new concepts, and technologies. The presenters know what they are explaining. The staff are friendly and helpful. We learn that technology does not necessarily need to be expensive and revolutionary, but a solution in improving human quality of living. A concept that came from a simple idea, if are execute could potentially bring a new solution in fixing small to world problems.

a) WHAT IS YOUR GOAL/DREAM WITH REGARD TO YOUR COURSE/PROGRAM?

From our childhood, we were always interested in computers. we used to stand by people when they were using a computer just to see how it works. So, from a very young age we started exploring everything that can be done through a computer and learning new thing. The reason for our choosing this course/program is no different. Our dream is to be a programmer and that is what we are hoping to achieve from this course/program.

Moreover, we hope to learn about various aspects of professional life as well as academic knowledge. But obviously academics do come first in priority for us. If

everything is well and all then in the future this course/program will help us to lead a professional life which is complementary to our interests in life.

b) HOW DOES THIS VISIT IMPACT ON YOUR GOAL/DREAM WITH REGARD TO YOUR PROGRAM?

The visit we made to the CICT of UTM was actually very insightful and necessary. There we came to know of various kinds of technologies. We were informed about technologies that were invented a long time ago as well as modern technologies and the progress that the industry has seen travelling from one generation to another. We took notes of all the devices and equipment that were on show there. Some of the devices were very baffling to me as they were quite huge compared to their current iterations and designs. It comes to show that the technological industry has made great strides in recent years and a lot of ground breaking improvements have been made to the devices that once were uncomfortable to use.

c) WHAT IS THE ACTION /IMPROVEMENT /PLAN NEECESSARY FOR YOU TO IMPROVE YOUR POTENTIAL IN THE INDUSTRY?

We need to enhance our performance in software engineering skills by going to workshops to improve what we are lacking. We also need to improve our communication skills as it will benefit us in the future when doing a presentation. Lastly, we need to improve our knowledge in various aspects, not only in software engineering but also aspects such as politics and economy so it will be helpful in the future.

TASK FOR EACH MEMBER

NO.	NAME OF MEMBER	TASK
1	MD Monirul Islam Molla	❖ Concept of report formatting ❖ Report writing ❖ Taking interview ❖ Writing key notes ❖ Conduct a Report writing discussion meeting
2	Mohammad Fahmid Fayaz Ifaz	❖ Report writing ❖ Taking interview ❖ Snapping photos ❖ Attend group meeting
3	MD Mohtasim Abrar	❖ Report writing ❖ Snapping Photos ❖ Attend group meeting ❖ Collect extra information's