



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SCHOOL OF COMPUTING
Faculty of Engineering

Semester I 2019/2020

Subject : Technology and Information System
Lecturer : Dr. Haswadi Hassan
Section : 03
Place of Visit : Perpustakaan Sultanah Zanariah (PSZ)
Group Members : 1. Jared Ryan A19EC5161
2. Nuriffatish Shima binti Norazmi A19EC0138
3. Anika Shahzad A19EC4007
4. Fahim Shahriyer Rahman A18CS404

INDUSTRIAL REPORT – CICT UTM

1. INTRODUCTION AND DETAILS OF THE JOURNEY

In this modern day and age booming with cutting age technology, we still need to remember about our past as it is an important part of our lives because without it, we would not have made it this far. By saying so, on the 21st October 2019, students from Faculty of Engineering or more specifically, students from the School of Computing undertaking the course of Technology and Information System(SCSP1513), were invited to attend an industrial visit to the galerium in Perpustakaan Sultanah Zanariah which is located inside of Universiti Teknologi Malaysia(UTM) as planned by the head the course coordinator, Dr Aryati and of course with assistance from the lecturer's including Dr Haswadi and Dr Adila. There were at least a total of 127 people who attended the industrial visit program including, with a rough estimate, 123 students and 4 lecturers or caretakers of the place.

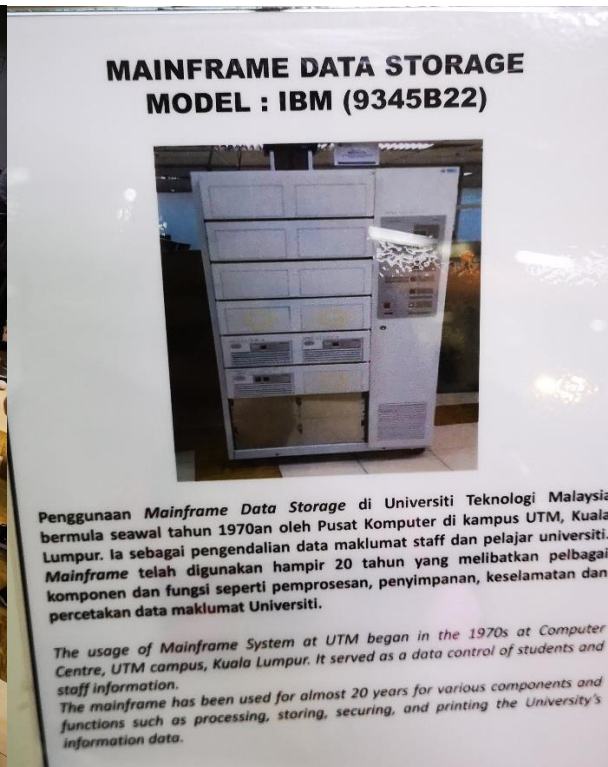
After the class from Dr Haswadi in which the first group presented their Design Thinking project, students began heading towards Perpustakaan Sultanah Zanariah from the Faculty of Engineering, School of Computing building at N28 in Universiti Teknologi Malaysia(UTM). It was up to the students to decide on how to get to the location. Some walked but some drove there. As we arrived at Perpustakaan Sultanah Zanariah, we waited at the foyer of the library for our lecturers. According to my watch, at around 3.40pm was when students started entering the main door, headed down one level and a flight of stairs where we were warmly greeted by members of the staff of faculty of computing and the caretakers of the gallerium. Then a member of the staff began to give a talk about the history of computers and many components since 1970's. After the talk, the students were allowed to browse around the vicinity and to take pictures of their visit. The visit ended around 5pm and the students were permitted to leave the gallerium.

2. DETAILED DESCRIPTION IN THE GALLERIUM

As mentioned, students were given a talk and students were firstly introduced to the various components, hardware and bit and pieces of computers that have been maintained or even develop by Center for Information and Communication Technology(CICT). These items were cutting edge back then but it doesn't stand a chance in today's world. However, we still use the same form of these hardware pieces nowadays but with a little bit more advance and developed technology.



Up next, was the Mainframe Data Storage which was used in UTM Kuala Lumpur in the 1970's that served its purpose as a data control of students and staff's information. This particular mainframe had been used for almost 20 years for various components and functions such as processing, storing, securing and printing tons and tons of the University's information or data.



Then came another server mainframe that contains Central Processing Units(CPU) for servers which was also known as IBM POWERSERVER 550. It boasted an outstanding performance with its fastest chip in the world during the 1990's technology. It was also considered as an apt system for a medium sized database at the time. This certainly played a great impact in UTM's history.



We were then free to explore around to find more things foreign to us. We came across a movie camera, the Panasonic 9000. This specific camera was used for library media services to record and film library programmes and activities during the 1990's up till the early 2000's.



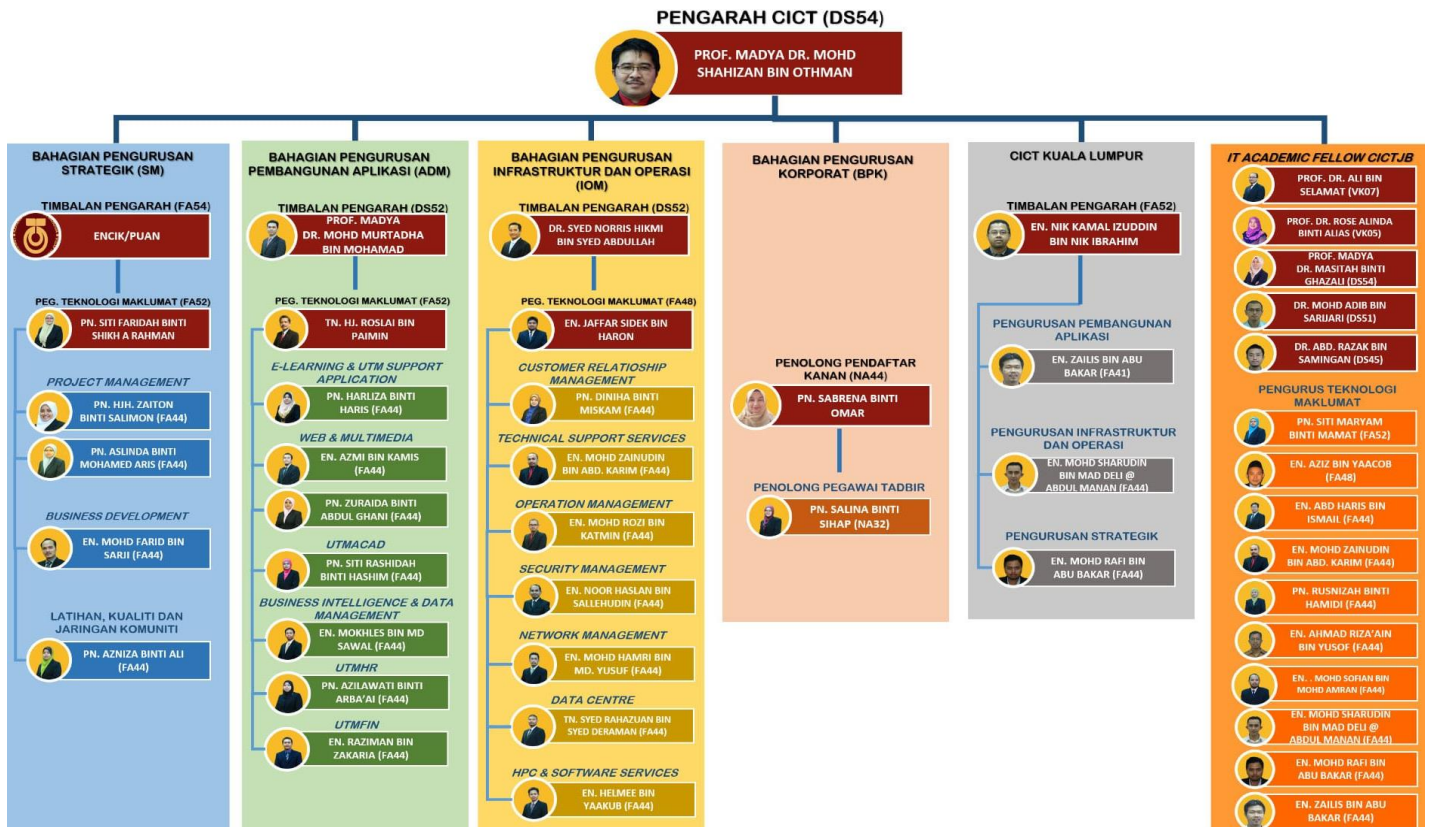
There were also various types of projectors along the way, but there were only two, which were the Plus Direct Projector(DP-10) and the Paxiscopes Lara Projection that were on display. These equipments were used by the library staff during the 1980's until 1990's with the purpose of supporting learning and teaching activities.



In the end of it all, all four of us surely learnt lots of things about the Centre of Information and Communication Technology(CICT) that we have not even thought of before. Also, we gained an insight on the organisation chart of CICT.

CARTA ORGANISASI

JABATAN TEKNOLOGI MAKLUMAT DAN KOMUNIKASI (CICT)



According to this chart, we can see that the director of CICT is Professor Madya Dr. Mohd Shahizan Bin Othman. Then, there are 6 departments that works under him which are the Strategic Management Department (SM); In-charge is Puan Siti Faridah Binti Shikh Abdul Rahman, The Application Development Management Department (ADM); in-charge is Professor Madya Dr. Murtadha Bin Mohamad, the Infrastructure and Operation Department (IOM); in-charged by Dr. Syed Norris Hikmi Bin Syed Abdullah, the Corporate Management Department (BPK); in-charge is Puan Sabrena Binti Omar, the CICT Kuala Lumpur Department; in-charge is Encik Nik Kamal Izuddin Bin Nik Ibrahim, and lastly the IT Academic Fellow CICT JB Department; in-charged by Professor Dr. Ali Bin Selamat, Professor Dr. Rose Alinda Binti Alias, Professor Madya Dr. Masitah Binti Ghazali, Dr Mohamad Adib Bin Sarijari, and also Dr. Abdul Razak Bin Samingan respectively.

Also with reference to the above organizational chart, there are a number of diverse services that are provided by CICT which are the Application Development, Infrastructure and Security, Facilities and Software. Now into a bit more detail, the Application Development contributes to the development of apps such as mobile apps and multimedia developments. The Infrastructure and Security provides services like ICT Security, UTM Hosting and also UTM ads. Next, some of the facilities are the Gallerium and also Labs for Trainings. Lastly, is the Software service which provides things like Internet connection and antivirus.

3. REFLECTIONS

- a) Our goal regarding this program is to become a successful and a capable programmer. Successful is a vague term, but for us it means that we succeed in our studies, work and also in our personal lives. We also aim to have the capability to take on and complete any task that is given to us and, if necessary, adapt to any changes in situation and overcome any challenges that may arise.
- b) When we entered the room, all of us were completely flabbergasted due to the simple fact that what we were looking at were once essential and cutting edge technology and also due to the ever expanding and wide range of field in computer science, this industrial visit has undeniably brought us to a deeper understanding of computers whereby we are more motivated to pursue our goals and dreams of becoming well-renown software engineers.
- c) With the purpose of improving our potential in this industry, we need to be a better all-rounder including things like expanding our knowledge of computers and programs but also our communication and problem solving skills to become the best version of ourselves in the future.

4. TASKS

1. Jared Ryan A19EC5161

- Planning the tasks
- Writing and completing the report on time

2. Nuriffatish Shima binti Norazmi A19EC0138

- Take photos and explore the gallerium

3. Anika Shahzad A19EC4007

- Report Planner and Editor

4. Fahim Shahriyer Rahman A18CS404

- Gather Information of the organizational structure of CICT