



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SCHOOL OF COMPUTING

Faculty of Engineering

SECP1513– TECHNOLOGY AND INFORMATION SYSTEM

ASSIGNMENT:

INDUSTRIAL VISIT 1-CICT, UTM

SECTION: 09 – 1SECR

COURSE NAME: BACHELOR OF COMPUTER SCIENCE – NETWORK AND SYSTEM SECURITY

NO.	NAME	STUDENT ID
1	HUANG XIAOSHAN	X19EC0018
2	KISHEN A/L PREKASH	A19EC0063
3	NARENDRAN A/L RAMMUDO	A19EC0113
4	CHIN WEI XIANG	A19EC0187

LECTURER'S NAME: DR. ADILA FIRDAUS BINTI ARBAIN

Table of Contents

<i>1.0 Introduction</i>	<i>1</i>
<i>2.0 Detailed Descriptions.....</i>	<i>2</i>
<i>2.1 CICT Structure.....</i>	<i>2</i>
<i>2.2 CICT Services</i>	<i>3</i>
<i>2.3 CICT Achievements.....</i>	<i>5</i>
<i>3.0 Reflection</i>	<i>10</i>
<i>4.0 Task of group member.....</i>	<i>11</i>
<i>5.0 References.....</i>	<i>12</i>

1.0 Introduction

The visit was held on 20th of October 2019 at the Centre of Information and Communication Technology (CICT), UTM. The visit was organized by Dr Adila Firdaus Binti Arbain lecturer of Technology and Information System from the Faculty of Computing, UTM, Skudai. The visit was attended by all first year faculty of computing students especially computer networking students. Centre for Information and Communication Technology (CICT) is a support unit that offers as well as delivers ICT services for the staffs and students in university especially in the ICT infrastructure, development system and academic courses. The Centre for Information and Communication Technology (CICT) in UTM is located at Block D07, Lingkaran Ilmu. The staffs in CICT are responsible to ensure that the students as well as the staffs to have the access to efficiently teach, learn and research the ICT resources. CICT has provided the University's IT infrastructure, and also supporting new technologies and systems in this updated era. Even though the campus is very wide; they could provide excellent access to digital resources across the campuses.

2.0 Detailed Descriptions

2.1 CICT Structure

Organization of CICT is been well organized and it is led by a brilliant leader which is *PROF. MADYA DR. MOHD SHAHIZAN BIN OTHMAN* and his is leading six difference department which is **BAHAGIAN PENGURUSAN STRATEGIK (SM)** which is planning, analysis, monitoring and provide a good strategy for the organization development. The second department is **BAHAGIAN PENGURUSAN PEMBANGUNAN APLIKASI (ADM)** which is department of develop application and website. Thirdly is the **BAHAGIAN PENGURUSAN INFRASTRUKTUR DAN OPERASI (IOM)** it is responsible for all of the IT infrastructure of CICT, and the software that runs on it. Fourthly is the **BAHAGIAN PENGURUSAN KORPORAT (BPK)** is responsible to manage the estate for the CICT. Fifthly is the **CICT KUALA LUMPUR** which is responsible for the CICT service at Kuala Lumpur UTM campus. Lastly is the **IT ACADEMIC FELLOW CICT JB** is the group of fellow who have high experience and understanding about the IT field and work together in pursuing mutual knowledge.



Figure of CICT structure

2.2 CICT Services

There are varieties of services provided by CICT and it can be divided into four main part which are the **Infrastructure & Security, Application Development, Software and Facilities**. The figure shows details of services provided in each part.

Infrastructure & Security	Application Development	Software	Facilities ×
»ID Account & Access	»System Development	»Antivirus	»CICT Galerium
»Email	»Mobile Apps	»Wifi hotspot@utm extention	»Training Lab
»UTM Hosting	»Multimedia Development	»Software License by UTM	
»UTM-Ads	»Web Development	»Microsoft Product	
»ICT Security	»Intranet Portal	»Microsoft Office	
»High Performance Computing	»Crowd Funding	»Research Software	
»Video Conferencing & Streaming			
»WiFi			
»Virtual Private Network (VPN)			

Figure of CICT service

The CICT often provide technical support is the **Internet & WIFI** which is the management of wireless hotspot in UTM campus, secondly is the **Infrastructure & Security** which provide Firewall, URL filtering and application control. Thirdly are the **Multimedia** which is the service of montage, Quality video and Graphic Design. Fourthly are the **CRM** which is for managing complaint & university events. Fifthly CICT does provide service on **ID Account & Access** for User Unique ID for Application Login. Beside that CICT do provide **Software** for UTM students such as license software Microsoft WORD, etc. CICT also involved in Web Management which responsible for Website design, Development & Hosting. Besides, CICT also involved in Application Development by System Development & Mobile Apps. Lastly, CICT do provide ICT Facilities service by giving Computer & Multimedia lab

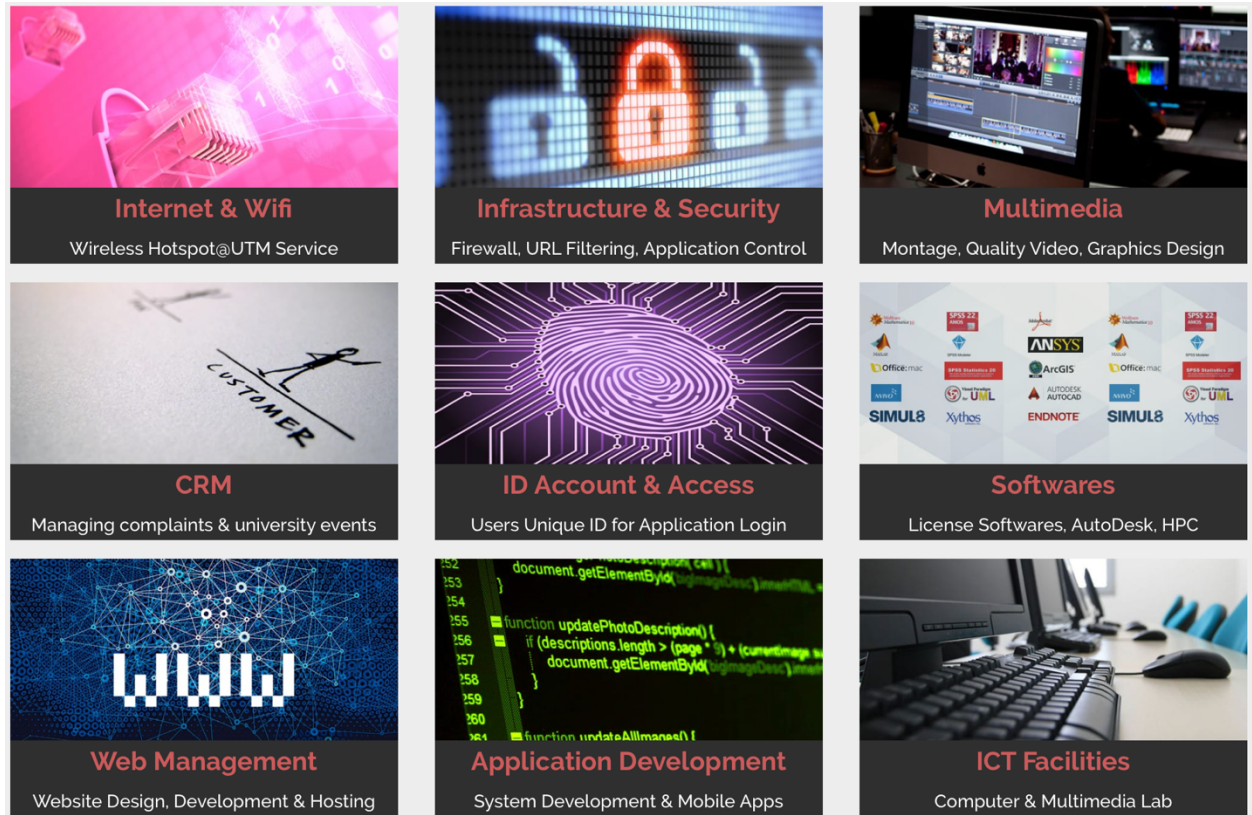
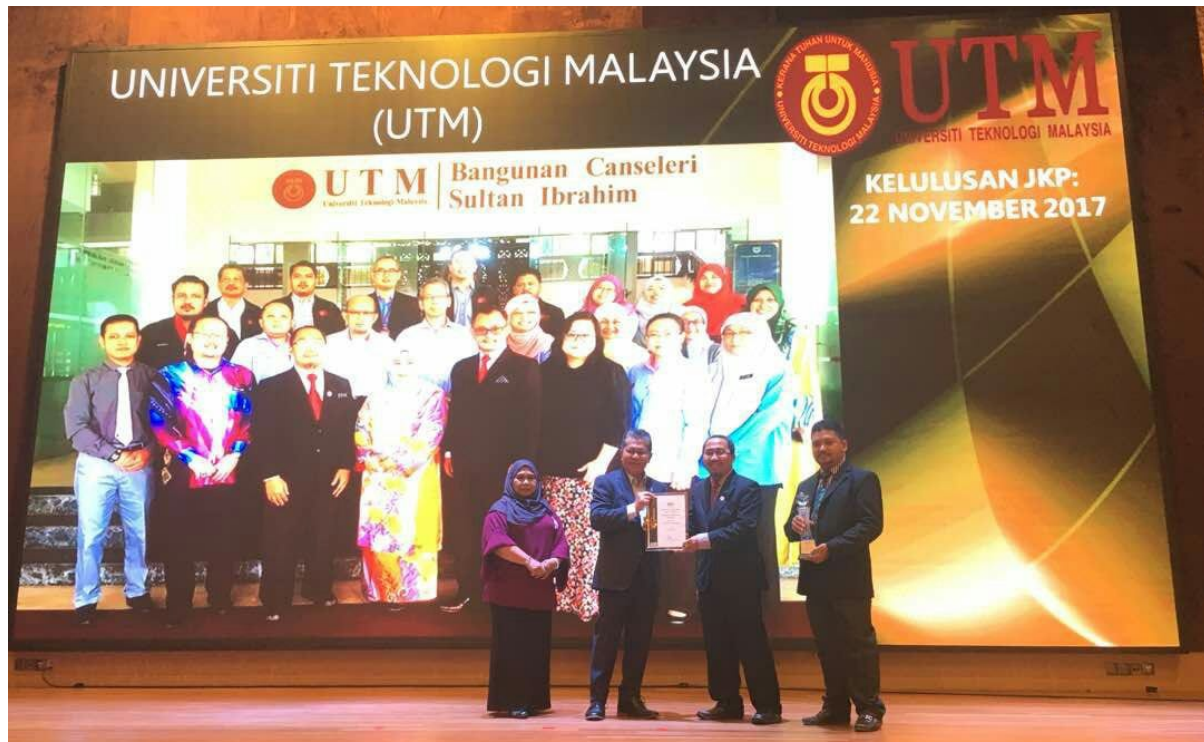


Figure of CICT services

2.3 CICT Achievements

On the 22 November 2017, CICT has been rewarded (*Standard Accounting System for Government Agencies*) 2017 From pihak Jabatan Akauntan Negara Malaysia. UTM has been chosen from 59 out of 416 among other university such as USM, UPSI, UMP, UPM, UNISZA, UTHM dan UPM.





CICT also been rewarded by The Most **Active Senamrobik Perdana Siri 2/2017** for the Zon Arcturus which held on the 7 February 2017 at the Stadium Azman Hashim UTM Johor Bahru. There is 50 out of 123 CICT staff attendance to the events, it is almost around 40.7% out of whole CICT staff attendance the Event. This shows us CICT staff not just whole days staying in the office, they do also active in sport and a strong relationship bonding with each other.



2.4 Information systems developed and maintain by CICT

There are several typewriters and computers in CICT gallery. The administrator locates them in the corresponding positions and with its profiles on the side. Each machine has a specific location. The administrator takes out the relevant integrated circuit within the computer to ensure that it will not corrode the computer and cause damage to the computer. This could help computer stay last longer. During the session we had a deeper understanding of early computers store its data. By the way, from the talk given by the administrator we knew it these are the vital devices for managing work, such as host terminals, controllers, and large cameras. From this visit, we saw many ancient computers and digital computers of this modern era, as well as components within the computer.

CICT has implemented computer into the management system, which greatly improves the efficiency of campus management, reduces operating costs, and carry out system transformation. This gives us a new understanding of computers that can be helpful in the management field. The CICT's management is well managed, even if there are tons of things that needed to be managed, there will be no confliction occur, and CICT managed to back up the entire university database as well. This requires a powerful computer algorithm, and CICT does it. Besides that, we get knowledge about the history and development of the world's computers. CICT staff introduced to us about the information of mainframes, printers, servers and other things. He also explained how to use all the techniques. CICT has successfully preserved computer prototypes from all previous generations, which will help future developers to have better innovate and facilitate. This also could help learners to learn efficiently and improve the quality of teaching.

The overall results of this visit taught us a lot of useful things, we know the role and organizational structure of CICT. Besides, this can help us, especially to enhance our understanding of other branches of computer science, which plays an important role in our career development.



*CHIPS
SET OF
COMPUTER*



*OLDER
VERSION
CAMERA*



*OLDER
VERSION
COMPUTER*



*OLDER
VERSION
RADIO*



*OLDER
VERSION
PROJECTOR*

3.0 Reflection

From the visit I have learned a lot. And I have come across few things. One of them are my goal regards to my course. One of my goals is to put me in well-known and forward moving company which encourage the new comers and candidate with potential into their company. So, as part of the team is will give my fullest to success the projects that given by my higher officials and maybe lead the team in a manner way to the success. Apart from that, this visit impact me in many ways, which are. I have felt the inventors' pain and enthusiasm by seeing the old technologies. This is because in the short period of time the technologies and innovation in IT side growing tremendously over years. So, its shows how dedicated all the innovators are. This thing impacts me to be “never settle” in any circumstances. This attitude will lead us to the better future and better technologies for the next generation.

This visit improved myself abilities by introducing me to the environment of real working industries. Next, I have some action to improve my potential to the industries to support that to grow bigger. One of the ways is, to put me and encourage new technologies and inventions and support them with what knowledge that I am having. In addition, as a Networker and Computer Security, I can give them cybersecurity as well as physical security. I also equipped my memory in what an industry looks like, and I also can use this a guidance for my future.

4.0 Task of group member

Name	KISHEN A/L PREKASH	NARENDRAN A/L RAMMUDO	CHIN WEI XIANG	HUANG XIAOSHAN
Tasks	INTRODUCTION	ORGANIZATION STRUCTURE	INFORMATION SYSTEM DEVELOPED AND MAINTAINED BY CICT	TAKING PICTURE
	DETAILS OF THE VISITS			
	MERGE ALL THE REPORT PART & REVIEW	REFLECTIONS	ACHIEVEMENTS	SERVICES

5.0 References

- 1. <http://cict.utm.my/ict-knowledge-repository-2/>**
- 2. <http://cict.utm.my/about/about-cio/>**
- 3. <http://cict.utm.my/contact/>**