



UTM
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SCHOOL OF COMPUTING
Faculty of Engineering

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CICT VISIT REPORT

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1. INTRODUCTION

On Monday, 1st October 2018 at Centre for Information & Communication Technology (CICT), N24 at 11 AM to 1 PM, there have been held a visit to CICT to for students undergraduated programme. Students that involved on this visit too CICT are all first year students from courses Software Engineering, Bioinformatics, Graphics and Multimedia Software, Data Engineering and Computer Networks and Security All systems and facilities of ICT from hardware, server, infrastructure and information system in UTM is managed by CICT. The speaker is Encik Mohd Zahari bin Zainal Abidin and he is Senior Assistant information Technology Officer of KUP and usually student that have problem in ACID ID or others problem that related to ICT will use his services and his team. CICT was built first on 1975, but it was not called CICT and it join under faculty of science. Then 1994 it become Computer Science Institute (ISK). Then in 2004, from Centre of Computer to Centre of Information System and Communication. The changes of CICT's name is because they develop their work and some of the facilities have been upgraded using IT to make people become easier. On 2016, CICT become the main of all ICT's program. After students get briefing from Encik Mohd Zahari about CICT, we had the chances to see all the hardware and components that have been use in CICT from the first time it was built until now.



2. ORGANIZATION STRUCTURE.

There are organization structure of CICT in Universiti Teknologi Malaysia. They will be responsible to ensuring and maintaining a CICT management system to run smoothly and without any problems. PM Dr Mohd Shahizan Othman holds the most prominent position in CICT which is the director of CICT Organization .

3. SERVICES

There are many services that provide in this system.

<u>CICT SERVICES</u>	<u>DESCRIPTION</u>
<ul style="list-style-type: none"> INFRASTRUCTURE & SECURITY 	<p>-This services provided WIFI or Hotspot @UTM in entire University so all student can use it to complete assignment and other uses and it has unified login portal .Moreover , this also need student to log in use an ACID account and also guest account available upon request for non UTM student and staff. This system also provides multivendor access point compatibility and also Hotspot @UTM access point monitoring.</p> <p>Hotspot zone: BCSI,DSI ,CICT ,PRZS, F54 (Building),FAB ,FKT,FKE and Kolej Kediaman which still in progress.</p> <p>–ACID is a unique ID of the user through the authentication server to use to log into the university systems. All students have their own user ID after registering the program through their respective faculties . Meanwhile, the staff must have a mail account official UTM first before applying ACID account .All student need this ACID account to log in UTMSMART for their attendance in class and for other use.</p> <p>–This service provide UTM ads for staff and other for participating to promote their brand direct to UTM citizens. This also apply for student who are organize an event in UTM. The banner will running or appear in web page such as in UTM portal. UTM CICT supports any type of screen size and device with any operating system such as Windows, iOS, Android and support all kinds of Banner/Media Format. Other information please email cictbusiness@utm.my.</p> <p>-ICT security provide and manage ICT security using Next Generation Firewall with reducing complexity and lowering the total cost of ownership and implement High Availability concept with active balancing to optimize the functionality and efficiency such as Firewall policy and Application Control.</p>

	<p>-Video Conferencing is communication two ways using video .It only provided form UTM JB to UTM KL and also from UTMKL to UTM JB. This usually used when Minggu Mesra Mahasiswa were organized in Dewan Sultan Iskandar.</p>
<ul style="list-style-type: none"> • APPLICATION DEVELOPMENT 	<p>This system build and manage Administrative, Support, Multimedia, Teaching and Learning Applications to improve the university's service delivery efficiency and quality. They also develop new application (web base and mobile) and maintain the current UTM application base on request by PTJ in term of data requirement such as UTM smart is the affective way for lecturer to take care the attendance of student and they does not have to print the student name list for signature. Other than that ,they also provided web development for UTM portal such as E-LEARNING is needed for student to download notes for lecture and also mark the date that has an exam or industrial talk and multimedia development for video and montage edit and other multimedia element edit.</p>
<ul style="list-style-type: none"> • SOFTWARE 	<p>In order to improve user's computer security, the university has introduced a new Antivirus software for all users in UTM. The users are encouraged to switch to this new symantec antivirus. Please download this software by using UTM network (intranet access).There are software also licensed by UTM such as Mathematica,Matlab,Ansys,Nvivo,Simol8 and Endnote. Software need to under licensed for the student not to be suing under the laws.</p>
<ul style="list-style-type: none"> • FACILITIES 	<p>CICT Galerium is the place that show the revolution of hardware that use in Faculty of Computing used to keep data and the student used in past years such as computer, hard disk,keyboard ,projector and CD . Training Lab provided 70 computers for students and staff used and also two printer.</p>

This information credit for

<http://cict.utm.my/>

4. REFLECTION

In conclusion, CICT has many facilities available to lecturers and students. It really helps lecturers and students in ICT. CICT helps in terms of internet, infrastructure and security, software, web management and ICT support. With the ease of internet students can use the internet freely without thinking about their data. It is also capable of fixing IP for access point, printer, CCTV and door access. In addition, it facilitates lecturers and students using internet-based learning spaces such as e-learning, padlet, google classroom, google docs and so on. In terms of infrastructure and security it helps students to log into the systems at the university. For example, students at UTM use ACID to obtain authentication from the server and each student has their own ACID after registering their respective faculties. ICT security also provides and manage ICT security using Next Generation Firewall with reducing complexity and lowering the total cost of ownership. UTM storage can also store all the lecturer and student data in UTM when it is damaged that they have a back up and they can refer to another UTM. Universiti Teknologi Malaysia (UTM) encourages all students to use licensed software. The Information and Communications Technology (CICT) has been tasked with operating the software in UTM. There are too many CICT facilities and advantages that can help students and lecturers and CICTs in UTM is the largest CICT between other university in Malaysia.

I. That is our goal for our course?

We hope we can learn more about our course because we want to know more what our course can do in future. Besides, we tried to improve our skill so we can apply this skill in our course or program. Lastly, we hope can give more effective integration of scientific bioinformatics into biology and will required leadership with a vision of biology as information science.

II. Impact on our goal

More bioinformatics can be born to help in establishing high levels of bioinformatics in order to improve the quality of medicine in Malaysia so this actually help to enhance Malaysia name compete equally with others developed countries.

III. Our plan and action

Get to know more and take a big role in this course to focusing and achieving on our main goals. Try to experience the main purpose of our course at others developed countries and apply it in our countries.