



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF COMPUTING

TECHNOLOGY AND INFORMATION SYSTEM

REPORT OF INDUSTRIAL VISIT:

**JOHOR BAHRU CITY COUNCIL (JBCC), JOHOR BAHRU,
JOHOR.**

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INTRODUCTION

The Faculty of Computing organize an industrial visit to the Majlis Bandaraya Johor Bahru (MBJB), the local council which administrates Johor Bahru city and other areas of the Iskandar Malaysia area in Johor, Malaysia. This visit involved the student in software engineering course and other course in Faculty of Computing, with one accompanied lecturer, which is Dr. Noorminshah bt A.Iahad. The purpose of this visit is to give exposure to the students how an organization works in order to keep a city managed and to show to the students that are some jobs that they can apply according to their qualification in MBJB. So, there are some details about the MBJB, or Johor Bahru City Council(JBCC) :-

❖ Details about JBCC

Majlis Bandaraya Johor Bahru(MBJB), formerly known as **Majlis Perbandaran Johor Bahru (MPJB)** (Johor Bahru Municipal Council) was established in 1994. Johor Bahru was granted a city status on 1 January 1994.This agency is under Johor state government. MBJB are responsible for public health and sanitation, waste removal and management, town planning, environmental protection and building control, social and economic development and general maintenance functions of urban infrastructure. The MBJB main headquarters is located at Jalan Dato' Onn in Johor Bahru. This organization has been divided by some main department, which is Building Department(Jabatan Pembangunan), Monetary Department(Jabatan Kewangan), Planning Department(Jabatan Perancangan), Engineering Department(Jabatan Kejuruteraan), License and Enforcement Department(Jabatan Perlesenan dan Penguatkuasaan), Management Service Department(Jabatan Khidmat Pengurusan), Landscape Department(Jabatan Landskap), Valuation Department(Jabatan Penilaian), Community Development Department(Jabatan Pembangunan Masyarakat) and Health Department(Jabatan Kesihatan). All these department has specific task to ensure that citizen and city of Johor Bahru will feel comfortable living in this city.

❖ The Orgnization Chart

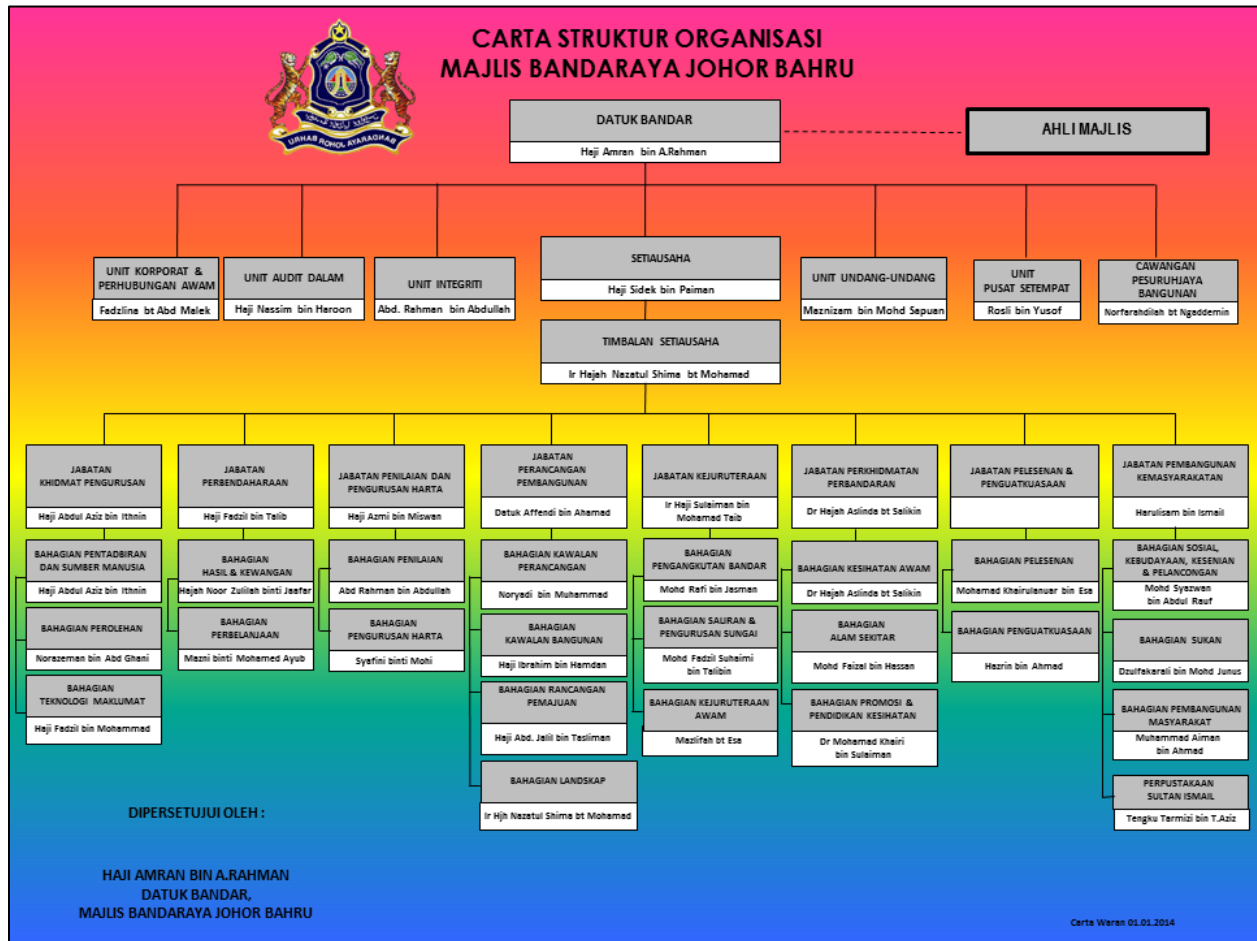


Figure 1: The Organization Chart of JBCC

THE INDUSTRY INVOLVED WITH JOHOR BAHRU CITY COUNCIL(JBCC)



CAREER OPPORTUNITIES IN THE JBCC

MBJB has many departments and within them the most advanced is the ICT department. Graduated students have so many opportunities in this department. Majlis Bandaraya Johor Bahru (MBJB) or Johor Bahru City Council (MBJB) is a local authority which administrates Johor Bahru city centre and other areas of the Iskandar Malaysia area. This agency is under Johor state government. MBJB are responsible for public health and sanitation, waste removal and management, town planning, environmental protection and building control, social and economic development and general maintenance functions of urban infrastructure. MBJB has developed 2 units within the ICT department:

- Technical and Operation Unit:

This unit provides support and help to all the 14 branches of Majlis Bandaraya. They also plan, develop and coordinate the ICT infrastructure facilities of MBJB and also ensure the security of the networks used in and out of MBJB.

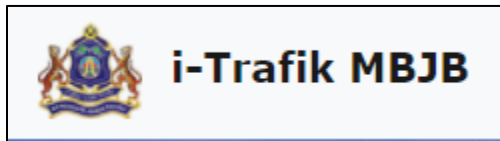
- Application Unit:

The application unit plans, develops and coordinates the in house and out house applications needed for the council. The application unit developed 25 system applications for the betterment of the city and nature.

There are a lot of career opportunities in here. A system architect can always apply for a permanent job in the council as it deals with network and systems a lot. System and application developers has a great shot at MBJB because for maintaining all the systems it needs good number of programs and programmers. The ePBT system has a new project which is around 42 million RM. They have 7 servers for the system.

APPLICATION/SYSTEM THAT JBCC DEVELOPED FOR THE JOHOR'S CITIZEN

❖ **iTrafikMBJB**



iTrafikMBJB is an e-App that has been designed for traffic surveillance in Johor Bahru's area. This app is really helping the citizens in Johor to monitor the traffic and find the easiest way to avoid the traffic jam during peak hour.

❖ **One Stop Centre(OSC)- Online**



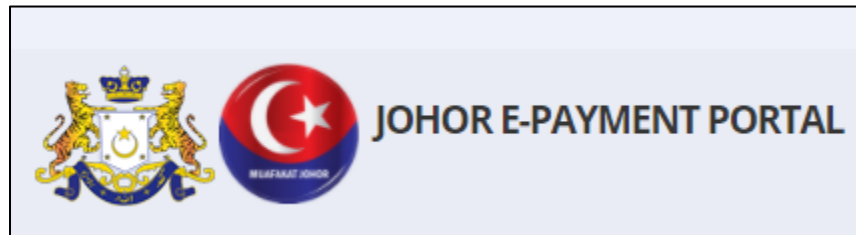
OSC Online is an electronic system for applying and processing for local authority's control projects. It is also a one-stop center for information and communication in bilateral communications development.

❖ **iPerolehan MBBJ**



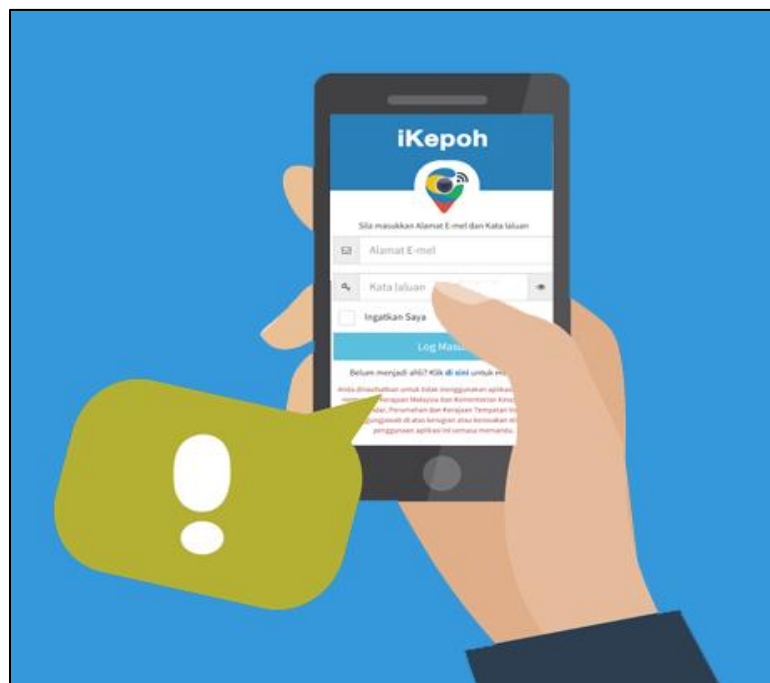
iPerolehan is an e-App that been used for contractors that want to apply for projects in Johor Bahru's city. This app is an alternative for the contractors so that they don't need to make an appointment to see the mayor or person in charge.

❖ Johor ePayment Portal



This portal is used for the citizens in Johor Bahru to pay their taxes, including belonging tax and many more. This portal also used for pay the overdue fine such as traffic summons. Usually, citizen in Johor Bahru will go to JBCC by themselves in order to pay taxes and summons, but now, they have the app so that people can do their payment at home.

❖ iKepoh Mobile App



iKepoh Mobile App is a new innovation developed by the KPKT to facilitate the public to make any complaints to Local Authorities via mobile.

MOTIVATION, INSIGHT AND INFORMATION THAT WE GAIN ON THIS VISIT TO JBCC

Motivation: This visit is an eyeopener for IT students like us. I gain from this visit will be impactful in our upcoming journey. It showed us that so much archived with computer science and it persuades me to persuade you my goals as a software student.

Insights: I learned a good potential of planning a fantastic city requires a grand understanding and usage of software and simulations that are implemented all around the globe. In today's time, we can understand and learn more from a single program in a matter of days, then humans could do by using by less modern means for centuries.

Information:

1)wider the road in city center and please maintain it.

2)plant more flowery plants & cut/remove messy trees and bushes
and please maintain it.

3)Install more decoration lights so JB city become nicer
during night.

4)Paint/refurbished the old shop houses and please just destroy the
damage old shop houses - such an eyesore. Make away to build
new high rise like hotel or apartment.

5)Built more parking spaces in the city center especially in front
KWSP tower. There's still have vacant land and can develop with new commercial buildings too.

6)Build more walkways and sky pedestrian so people and tourists
feel 'charm' and 'safe' when walking in the city center.

This can make JB more liveable.

HOW THIS VISIT IMPACT ON MY GOAL@DREAM TO MY SCSP PROGRAM

This visit really gives impacts and benefits to myself towards my dream to become the successful programmer. This is because when we visit this MBBB, I can see their eApp that has been greatly organized. This inspire me to build an application to help people in the future. Furthermore, in my SCSP course, the lecturers have been teaching us the requirement to develop the app, so it's my turn so that the knowledge can be fully used in good ways. Besides, the MBBB staff also said that there are also have job vacancies in the MBBB and there is certain requirement that they want to see if they recruit us. So, I will use this opportunity to grab this chance and develop my learning and soft skills in order to enhance my work skills. Finally, this visit also make me to work really hard to achieve my dream.

ACTION@IMPROVEMENT@PLAN NECESSARY FOR YOU TO IMPROVE YOUR POTENTIAL IN THE INDUSTRY

After our brief visit to this company, I plan to strive in my weaknesses such as creative and broad-minded thinking. This would help me to not only understand how a city works, but also how to solve/tackle certain problems. I even plan to join a few internships courses in various industrial or infrastructure based companies to widen my knowledge on the subject of city planning. I also want to enhance my communication skills, because this skill is very important at this time. Yet I also want to consider more industrial visit, especially to the place that has connection with this industry. This is because this industry can offer many knowledges that are useful to my life. Finally, I also want to apply to pursuit my career in this industry because of its more jobs available in this industry.