ExCEL Activity Report

Data Engineering Symposium 2021(DESYM '21)

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Matric Number: A19EC0189

Programme: SECP Bachelor of Computer Science (Data Engineering)

Batch: 2019/2020

Academic Advisor: Prof. Dr. Azlan Bin Mohd Zain

Programme Information

Date: 26th of April 2021

Venue: Facebook Live

Organiser: Persatuan Mahasiswa Sains Komputer (PERSAKA) UTM

Graduate Success Attribute

1. Communication Skills
2. Leadership and Teamworking Skills
3. Adaptability Skills

Position: Committee Team Member Protocol Unit and Participation

Justification in Joining Activities

In April 2021 I had heard rumours that a Data Engineering Symposium was going to be held, organised by Persatuan Mahasiswa Sains Komputer (PERSAKA) UTM. Not only that, I also heard that my course mate Muhd Irfan Daniel as EXCO for Activities was going to handle the Data Engineering Symposium and that he needed help. Therefore, I applied for a spot to become a committee member in handling this event as event director. There are a few reasons I participated in this event as a committee and viewer. First of all, I was very interested in this event particular since an UTM alumni; Cik Qistina Batrisya, who is currently in the workforce was invited to speak at this event. Ms. Qistina is currently working at TM as a Data Engineer, so I wanted to hear first-hand on what her experiences were in the workforce, so that I can prepare and gauge when I eventually join the workforce as a Data Engineer. Secondly, I participated this event to expand my skills especially in handling webinars as it has become a norm today and will stay to become a norm in the future. Lastly, I participated this webinar as a committee to help my course mate Irfan Daniel who had asked for help in handling this event.

The Graduate Attributes that are focused on

This event has focused on three Graduate Attributes which are the Communication Skills, Leadership Skills and Adaptability Skills.

In the event, one of the Graduate Attributes that was focused on was the communication skills, especially the **communication skills** in the Data Engineering Symposium committee. For the event to run smoothly, every committee needed to **communicate** clearly and effectively not only with each other committee member, but also with the invited speaker, and the targeted audience by advertising the event in social media platforms. For example, the Protocol unit had to **communicate** with other committee members, in sending the scripts of the event, and then the other members had to relay their feedback on the written scripts. Another example, the committee had to **communicate** with the speaker beforehand on when and how the dry run of the webinar would be done.

Not only that, the event has also trained the **Leadership and Team Working** skill of each committee member. As previously mentioned, the committee members needed to

communicate with each other to make this event run smoothly, but **working together** was also a pivotal factor. **Team working** was not only needed in amongst unit team members but also with other units in the committee. In addition, the director of the event trained their **leadership skills** by guiding and directing other committee members before, during and after the event.

Finally, the event trained the **Adaptability Skills** of the students especially the students. Since, anything unexpected may happen before and during the event. Therefore, each committee will need to **adapt and handle** any tasks that they have not expected or not experience beforehand.

Content of the activities

The Data Engineering Symposium was organised by PERSAKA, with the aims of sharing the experiences of UTM alumni who is currently working as a Data Engineer with the students. Another aim of the programme was to expose to students who haven't heard of Data Engineering and maybe spark interest in them. This event was attended by students from UTM, especially those from the School of Computing.

This event started off with recitation of the du'a', then promptly moving onto the sharing session by the invited speaker Cik Qistina Batrisya. Some of topics that was presented in the talk was What is Data Engineering; talking about the definition and overview of what actually is Data Engineering and its applications in the real world. Next topic was Data Engineering as a Career, talking about how viable is Data Engineering as a career, in addition the speaker talked about her own journey in a career in Data Engineering so far. Then, the speaker presented the tips and tricks, talking about what certain technical skills that students now should focus on, what other skills are needed; such as soft skills and team working skills. The speaker also included some of the problems she faced when working and how she overcame them. Finally, a Q&A session was conducted between the participants in the comments with the speaker directly, which marked the end of the Data Engineering Symposium 2021 event.