



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UKQE 3001 SECTION 9

REFLECTION 2

PROGRAM AUTOCAR MENTOR MENTEE

AND

AUTOCAR COMPETITION 2019/2020

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SECTION : 09

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APPENDIX

REPORT

- Activity Info
- Position Handle

RESPONDING

- What I felt in this event
- Feel happy for helping juniors in entering the area and world of robotics

RELATING

- Other related event
- Similarities, Differences

REASONING

- Great hard and softskill experience
- Satisfied with what I learned and gained

RECONSTRUCTING

- What I learned and experienced
- Skill for future use

Content Summary

Report:- Autocar Recruitment Game 2019/20 is a recruitment program for the Robocon Club

- This event was participate by 115 people of 1st year student.

- Taking the role of facilitator in this event.

Responding: - Feel happy for helping juniors in entering the area and world of robotics.

- I feel proud to my members.

Relating : - Relate with event which is the web development workshop

- Difference between both events is the purpose of organising.

- Similarity between both of these event is the role I am taking on.

Reasoning :- most important aspect of the event was given the opportunity for me in taking the role as a teacher and mentor

- Help me a lot in training my softskill.

- Hope of advisor put on us.

Reconstruction:- I had learnt a lot that able to be used in my future life.

- Hope I can do better in problem solving and handle the pressure better

Report:

This event is named Autocar Recruitment Game 2019/20 which organised from 28th September 2019. This event is a recruitment program for the Robocon Club which is used to search for potential member every year. The location of this event was set at block P10 at Faculty of Electrical Engineering in University Technology Malaysia. This event was participate by 115 people of 1st year University Technology Malaysia student.

The objective of organising the event was to introduce the technology to participant and search for student who have high interest toward robotic to join the team. The event organiser was the UTM Robocon Club which is a club that will participate a national and international competition every year and the eldest member in the team only second year students. Therefore, to find the member with high interest and high responsibility is very important for improvement of team.

I am taking the role of facilitator in this event with the responsible of transferring my knowledge on robot to the participants. This event was divided into two parts which is the training and competition part. During the training period, all the participant will divided into 12 groups and 9-10 persons per group. Each group will guided by 2 mentors. Participants are given 6 weeks in preparing their autocar for competition which included the learning, fabricating and programming period.

For the first step of autocar building, participant have to working on the electronic board fabrication which is the 'organ' of the robot and also the hardest and important part. Because the electronic board deciding the robot to move of not to move. The participant have to use the component provided by us in designing all the working circuit and combine them together for a complete functional autocar. After they complete the electronic board, they have to build a complete autocar which able to complete the competition game according to their creativity

with all the material we provided in the lab which included the wood plate, aluminium, stainless steel and etc. For the final step, the participant will enter the final stage which is the programming stage which is using embedded C to program the robot. For me, it is quite challenging as a mentor as I have to teach the participant with almost zero knowledge to learn robotics and I take this as the learning process also as this is also my first time taking the role as a 'teacher'.

When come to the competition day, the participant was decrease until around 90 persons as there is also participant who not able adhere to the final stage and also there is also participant who not able to complete the autocar. This is also the purpose of us in organising this event in recruiting the member for our club. We need to search for the passionate and potential member to join our team. The competition is in battle form which is 2 participants will compete on who able to complete the finish the task first and they are given with maximum 3 minutes for each game.

By going through this event, I can see lot of my shadow when I am first year and join this team as new member. I able to work for whole night just to solve a single problem. This journey is really awesome and fulfilled with lot of beautiful memories, it is really great when working with bunch of friends who having the same interest and passion. This might be an unforgettable memories for me in my university life.

Responding:

In all the way of this event, I learned lot of stuff like how to present something in the simplest way so that all my members know what I am talking about. This is because most of the members don't have the experience in robotics before so it is very important at the start in teaching them. When we received the number of member registering for the event, I feel excited since that means there is lot of person having the interest to robotics and also good for our team expansion.

I feel happy for helping juniors in entering the area and world of robotics. During the mentoring period all of our mentoring threat all the members the same, we assume all the members having zero knowledge in robotics and teach them from basics. When seeing my members complete to build the car from nothing I will feel satisfy as it proved that I am using the correct way in teaching them.

This program is really fun and interesting, as all the members are actually competing with the time which means 6 weeks is quite challenging for a freshie to complete a perform autocar as they almost start form zero. When looking on their hard work make me imagine back the scene of 1 year ago when I am also building the autocar myself and how excited am I when I looking my autocar able to complete all the task stablely.

At last, I feel proud to my members as 2 members from my group have won the champion and 1st runner up of the competition.

Relating:

For the other event which able to relate with this event is the web development workshop which will be organised every year to teach the knowledge in web development for the participant who have interest to website development. This is because our team not only having the student from Faculty of electrical engineering and also student from mechanical, biomedic, computer science and so on. So almost all of our member will have the knowledge in website development.

The first difference between both events is the purpose of organising. For the autocar event, the main purpose is to recruit some talented and passionate member for our robocon team. The main purpose for us in organising web development workshop is to promote our team and tell them how lot of things you able to learn by joining our team in some other special way. The next difference between both event is the content of we teaching. In autocar the participants are taught the knowledge more in robotic while the web development workshop is teaching the knowledge in computer science area

The similarities between both of these event is I am taking the role of mentor in both event, and by having the experience of teaching in the last event, I am having a better understanding on how to transfer a knowledge in a more simple way. The next similarity between both of these events are organised by UTM robocon team as this is one of the way in promoting our team so that more and more people able to get know to us and join our recruitment game which can help in our team expansion.

The last similarities between both events are everything went smooth and get good comments from all the participants.

Reasoning:

The most important aspect of the event was given the opportunity for me in taking the role as a teacher and mentor. This is a great experience for me, as when I see my mentee feel happy and excited after they successfully solve a problem, I will feel satisfied. By taking part in this event let me know how important is the role of a teacher, if the teacher transfer the wrong knowledge to the student, they will drag their students' improvement as the students may need to search everything from start again which will need them lot of time to troubleshoot

From my perspective, this event had help me a lot in training my softskill. Firstly, I had trained to be more patient as this is the most important aspect which need in teaching. No matter what area you teach in, be patient is the most important. Because not everyone is fast learner, some of the students may need time to digest what they had learnt and to these students, they may need you to explain the same things for few times. Next I was trained in time management, this is because during the autocar event, we as the senior member of team have to start in preparing the national competition named ABU ROBOCON 2019. Other than that I have to take care with my academic result as well. So this is quite challenging for me and my schedule suring that time is very pack but all of these experiences are worth.

Dr Ridzuan is the advisor and also the UTM Robocon team manager. He feel happy when seeing so many of new member joining out autocar recruitment game and workshop and he also tells that he is looking forward for our good performance in the national and international level competition. He gave lot of confidence and motication to all the new members as well and hope that all the new members able to survive until the last second.

Reconstructing:

In the nutshell, from this event I had learnt a lot that able to be used in my future life. Firstly, I learned how is the importance of teamworking and how to involve myself into a team. This is because all the mentors have to go class and take care with their study as well, so sometimes I need to take care with the member for other group before their mentor reached and other mentors might need to help me to take care with my members as the equipment like glinding machine, welding machine and etc may dangerous for a freshie.

Next, I was trained to be more patient as sometimes, I might need to explain for few times about the same thing since the ability of understanding of everyone are defferent and as a mentor I should make sure all my mentee able to catch up what I taught and explained. Last but not least, I was trained better in time management as during the 6 weeks period of event, I have to start preparing the robot for the national competition which coming soon. At the same time, I have to make sure my academic study able to catch up what is going on in the class. This is quite tough and tiring for me but for what I think the outcome worth these hard work, and I believe the future will be more tough. It is good for me to train now and adapt with stress condition now.

For the future event, I hope that I can do better in problem solving and handle the pressure better and able to work in stress condition which able to help me to become a better me.



