NEWSLETTER

VR

One of the technology that were introduced to us by MAGICX is the VR, they used Oculus Rift VR and they showed us 2 different software they have developed and we tried it with VR.

The first one is a bicycle simulation, they also developed an electrical bicycle to work with the software. To use this bicycle simulation, you must wear the VR and ride on the electrical bicycle and start paddling. This simulation has laps after each lap an information about the time taken and the distance covered is shown. Another nice touch they added to the simulation is that you can see the different stores on the sides of the street.

The second one is still not completed and still under development, it is a lab simulation, the main purpose of it to allow the students to get a hand on experience on virtual labs before going to physical lab and allow the students to understand the lab quickly. To use the lab simulation, you have to wear the VR and use some kind of joystick that will allow you to move objects, use and place these objects

MAGICX

MAGICX stands for Media and Game Innovation Center of Excellence. MAGICX in UTM focuses on innovating media and game related technology. MAGICX is established in 2013.

When the demand for Fourth industrial revolution (4IR) is increasing, a national 4IR policy was launched. MAGICX put commitment towards realizing the digital revolution, drove efforts to implement the 4IR agenda and leverage the transformation of technology to socioeconomic development of the people in Malaysia.

In 2020 MAGICX completed their AR/VR facilities, it provides a cutting-edge immersive technology that includes multiple software and design platforms, multiple headsets configurations and immersive technology resources to help researches to experiment and create innovations in a wide range of industries.

Because MAGICX believe that worldwide recognition and certifications are important, it has a collaboration with Unity which is a leading company that make game engines and immersive technology which also provides multiple courses and certificates. MAGICX also have MAGICX certification programme, this will let the participants to earn a professional diploma in the new industry revolution

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REFLECTION

This Industrial visit was very informative. We gained a lot of information about MAGICX , their products, teams, certificates and the different projects that they are currently working on.

The ability to simulate different things before you experience it physically gave us a motivation to learn more about this immersive technology, this will decrease the number of accidents and failure for people work on fields because they already experienced this situation virtually and have good information on how to do their work.

This talk also gave us insights on how this technology will help the humans, besides the decreasing the number of accidents also the costs will be reduced, and time will be saved in work fields, because the workers have already experienced this situation virtually.

This talk also gave us good information about how this technology can be used for will benefit humans in their lives. but we also knew that to achieve this benefit, there are lots of learning and analysis and testing that is done in order to provide a good solution for the specific situation

SUMMARY OF THE VISIT TO MAGICX

We went to MAGICX facility then we went to a room where PROF. MADYA. DR. MOHD YAZID BIN IDRIS introduced himself and introduced MAGICX to us and played a video that gives us more detailed information about MAGICX, after that PROF. MADYA. DR. MOHD YAZID BIN IDRIS gave us more detail information about the different certificates that we can acquire and how it will benefit us in the future and in this industry.

After that PROF. MADYA. DR. MOHD YAZID BIN IDRIS showed us the different projects that they worked on and the next big projects that they are working on, for these large projects he showed us the different engineering departments that are involved in these projects.

After that we were introduced to the VRs and tried it. They gave us a good instruction in how to use it.

Finally, we took a memorial photo with our lecturer and MAGICX staff members.

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