

MAGICX

INDUSTRIAL VISIT 2

TUESDAY

31 DECEMBER 2024

THE VISIT

In 31 dec, 2024 at 2 pm, all students gathered at T03, we entered the lab and sat in the chairs until Prof. Dr. Mohd. Yazid bin Idris arrived, he introduced us to the MAGICX and speak in 1 hour lecture of what is MAGICX, their goals, what they give to students and showcase the tools and gadgets they use.



THE TALK

In first, Prof. Dr. Mohd. Yazid introduced to himself and the research centre. Additionally, the research center uses game engines to create an environment that supports research and development. One of the popular game engines they use is Unity, which allows them to create visualization, gamification, 360-degree games, simulation, and human-computer interaction.

Second, he talked about the certifications that the centre offers, two which are Unity user certifications and Unity associate certifications . Third, he opened a video talking more details about the centre, the video showcase the achievements that it made, industrial resolution 4, technology evolution, and thrusts.



ISSUES IN OUR REAL WORLD

In the video, it shows the real world use cases and issues that our world suffers and how the technologies fixed include hazard and accidents in cars simulation. pipelines for oil & gas under the water, and create simulations for aerospace sector.

TECHNOLOGIES IN MAGICX

in MAGICX, they showcase the technologies and tools in the centre, on the left they showed VR headset with motion hands controller, there they showed some games they made that have relation to science and engineering. On the right they have VR headset with bike that calculate the speed and distance depends on chain speed.



REFLECTION

From my visit to MAGICX building and seeing the place for my first time, I learned a lot about how game engines can be used for engineering purposes, what's unity for engineers and university, how VR is useful tool for learning the environments and know the scale of objects in real world using virtual reality, and information about the certificates and tests that the university gives to students who gain experience with Unity.