**SEMESTER II
SESSION
2022/2023**

UKQE3001

EXTRACURRICULAR EXPERIENTIAL LEARNING

INDIVIDUAL REPORT-1: THE FUTURE OF ENGINEERING:
INTERNET OF THINGS PERSPECTIVE

Prepared by

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Activities information

Date: 12/03/2023 to 12/03/2023

Venue: Online

Organizer: UTM

Graduate Attributes

- Creativity
- Management
- Skills

Position/Role in the activities

- Participant

Mini Report

The field of the Internet of Things (IoT) is one that is fast developing and has the potential to completely change how we live and work. IoT offers a wide range of opportunities for innovation and growth in the next years as an engineering field. Below are some opinions on how engineering will develop in the context of the Internet of Things.

Self-reflection

Connecting various systems and devices to form an effective and unified network is one of the main goals of IoT. The design and development of technologies that allow for seamless communication and device interoperability will heavily depend on engineers. Tools for advanced data management and analysis will be needed due to the enormous amounts of data created by IoT devices. To extract relevant insights and inform decision-making, engineers will need to create new algorithms and methodologies for processing and analysing this data in real-time. Security and privacy issues will become more significant as IoT devices become more widespread. To defend against cyber threats and guarantee the privacy of user data, engineers will need to design and implement strong security measures.

IoT devices will provide enormous volumes of data that may be used to construct artificial intelligence (AI) systems and train machine learning algorithms. In conclusion, there are many prospects and a bright future for engineering in the IoT space. Engineers will play a crucial part in designing and building the next generation of smart systems and gadgets that will determine the future of our world as IoT technology develops and matures.

Certificate/Photo