

Apply Immersive Technology (AR/VR) in Industries

Code: AITI

Duration: 8 Hours

Synopsis:

As part of the industry 4.0 digital transformation initiatives, manufacturing industry has evolved their capabilities through the intervention of digital technologies. In the advancement of immersive technology, Augmented Reality (AR) and Virtual Reality (VR) technologies are being introduced to optimise and improve the productivity and efficiency in the manufacturing operation.

This workshop is to provide the learners an in-depth understanding of Immersive technologies (AR, VR and MR), its capabilities and identify the applications in industries.

Course Objective:

On completion of this course, learners will be able to:

- define Immersive Technology
- compare Virtual Reality (VR), Augmented Reality (AR) and Mixed Reality (MR)
- describe the evolution of Immersive Technology
- explain the concept and working principles of AR/VR/MR technology
- identify the different technologies and tools and their capabilities
- state the benefits and limitations of usage

Course Outline:

This course will cover:

- Evolution of Immersive technology
- Overview of Immersive technology
- Immersive technology working principles
- Introduction of tools and technologies
- Technical specifications mapping of AR/VR and MR requirements
- Industry trends in Immersive technology
- Benefits and limitations of Immersive technology
- Hands on experience of generic tools and technologies

For Whom:

Suitable for Professionals, Managers, Executives & Technicians and anyone who want to have an understanding and experience of Immersive technologies (AR, VR and MR).

Entry Requirements:

Participants are assumed to:

- Have basic digital literacy;
- Be able to listen and speak English at a proficiency level equivalent to the Employability Skills System (ESS) level 5 and above;
- Be able to read and write English at a proficiency level equivalent to ESS level 5 and above;
and
- Be able to manipulate numbers at a proficiency level equivalent to ESS level 5 and above.

Training Medium:

This course is conducted in English.

Training Methodology:

This course is delivered by mini-lectures, discussions, demonstration and hands-on practices.

Certification:

A Certificate of Participation will be issued to those who attained a minimum attendance of 75%.