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Course Syllabus: Certificate Augmented Reality (AR) and Virtual Reality (VR)

Batch Name: CARVR

Eligibility: 12th

Course Start: 1st of Every Month

Course Duration: 120 Hours

Courses / Modules Paper

Module 1

Paper 1	Paper 2
Augmented Reality (AR)	Virtual Reality (VR)

Paper 1: Augmented Reality (AR)

- 1.1 Introduction to Augmented Reality
- 1.2 History of AR
- 1.3 AR Technological Components
- 1.4 Technologies used in AR
- 1.5 Applications and Drawbacks
- 1.6 Significance of AR
- 1.7 Coordinated utilisation of AR applications
- 1.8 AR methods, Visualisation



Paper 2: Virtual Reality

- 2.1 Introduction to Virtual Reality
- 2.2 History of VR
- 2.3 Characteristics of VR
- 2.4 Applications and Drawbacks
- 2.5 Significance of VR
- 2.6 VR Technology- components of VR, VR hardware, Civil engineering, Real Estate, Biology and Medicine, Virtual Mall, VR in Education, Virtual laboratory, Factory Planning, Automobile Industry
- 2.7 Comparison Automated Reality (AR) and Virtual Reality (VR)

3-D Interaction and Techniques

- ✍ 3-D Manipulation Tasks
- ✍ Manipulation techniques and Input devices
- ✍ Interaction technique for 3-D Manipulation