

# 3D GAME DESIGNING & VIRTUAL REALITY

## Introduction:

3D gaming is interactive computer entertainment that is graphically presented in the [three dimensions](#) of height, width and depth; the addition of depth to 2D [gaming](#) enabled the exploration of virtual worlds with more realistic representation. This 2-days workshop imparts the basics of Unity system for 3D game development. Unity is a cross-platform game engine developed by Unity Technologies and used to develop video games for PC, consoles, mobile devices and websites.

Interest in Virtual Reality (VR) is growing – don't miss your chance to catch it ahead of the curve. With major brands like YouTube and Facebook developing platforms to support 360° videos, VR is becoming more and more accessible to the general public. Expand your digital presence by immersing your audience in an interactive, hands-on environment.

## COURSE CONTENT:

### SESSION 1:

#### Introduction to Virtual Reality

1. Overview
  2. Planning
  3. Technologies
- AUGMENTED REALITY VS VIRTUAL REALITY
  - DISPLAY TECHNOLOGIES
    1. Head Mounted Display
    2. Contact lenses
    3. Eye Glasses
    4. Handheld devices (Mobiles, Tablets etc.)
  - VR Applications
  - Software Distribution

## **SESSION 2:**

### **3D Unity**

- Software Installation
- Working on 3d unity
- Basic Functions of 3D Unity
- Basic ball game design using Unity
- Advance ball game design using Unity

## **SESSION 3:**

- Designing an environment like “Temple run game”
- Creating Coins with animation
- How to display a score
- Designing sky boxes, mountains, trees, water etc.
- Designing a Virtual Maze game

## **SESSION 4:**

- Virtual Reality Kit distribution
- Virtual Reality Google Headset building
- Demonstration of live VR projects developed by students.
- Zonal Level competition

## **BENEFITS:**

- Learn & Interact with IT engineers & get to know basics of Information Technology.
- Receive an unparalleled education on the art of building apps & games with personal one – on – one attention.
- PowerPoint Presentation, Live Demos
- Interactive Questions & Answer session & comprehensive material.

- Certification will be provided from RoboKart.com.

**VENUE** : **College of Engineering, Pune**

**WORKSHOP FEES** : **₹ 1100 /- per participant**

**DATE** : **16<sup>th</sup> and 17<sup>th</sup> September**