

Game Development Certification

Introduction

Understanding how games are created and designed is the goal of this game development certification. The video game industry is enormous, and those with the necessary technical talents can take a variety of different paths within it. Students will have the chance to acquire the skillsets necessary to function in the technical framework of the following stage in computer programming through this game development certificate. Students' digital and organizational abilities will build a foundation for thriving in the 21st century. Students will be able to create computer games from the ground up for this certificate. It's the perfect line of work for people who wish to build a career in video games.

Learning Outcomes

After the completion of this certificate, students would be able:

- Develop a complete game using Unity
- Upload Game content store or AppStore
- Develop games on other game-developing engines.

Curriculum

Week	Lecture	Topics
1	1	Introduction to Unity
2	2	Installation of Unity, Unity Game Objects, Unit and Y Components
3	3	Unity Interface
4	4	Unity 2D Introduction, 2D Sprite Sheet
5	5	Transform and Object Parenting
6	6	Internal Assets
7	7	Unity Scripting
8	8	Variables and Functions, Conventions and Syntax

This document is the intellectual property of Enablers College of Technology, Lahore that can only be used particularly for teaching purpose. This material may not be quoted, photocopied, reproduced in any form without the prior written consent of ECOT – Director.

9	9	Work with Unity Datatypes and Variables
10	10	Work with Unity If-statements Loops and Arrays
11	11	Mid Term Presentations
12	12	Unity Classes, Scope and Access Modifiers
13	13	Understanding Collisions
14	14	Understanding Prefabs and Instantiates
15	15	Unity Console
16	16	Unity Sounds
17	17	Materials and Shaders
18	18	Unity Coroutines
19	19	Unity UI Introduction
20	20	UI Buttons Creations
21	21	UI Slider Creation
22	22	UI Text Editing and Formatting
23	23	Final Project Presentation
24	24	

Benefits of Certification

After the completion of this certification, students would be able to:

- Develop ability to solve problems
- Improve design abilities
- Create teamwork abilities

Entry Requirements:

- Intermediate/O/A-level
- Basic Programming Skills
- Basic Computer Skills

Mode of Classes

- Online
- On Campus

This document is the intellectual property of Enablers College of Technology, Lahore that can only be used particularly for teaching purpose. This material may not be quoted, photocopied, reproduced in any form without the prior written consent of ECOT – Director.