

# Continuing Education and Training

with

# GCIT

**Less Training More Application**

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[ceta.gcit.edu.bt](http://ceta.gcit.edu.bt)





# Decentralize Application (dApp) Development

Dive into dApp development with our program. Learn blockchain fundamentals and Solidity, develop and test smart contracts, and explore token and NFT creation. Conclude by deploying and hosting your dApps, gaining essential skills for success in the blockchain space.



# Learning **OUTCOME**

By the end of this course,  
you will be able to:

**1**

Proficiency in Blockchain  
Fundamentals and Solidity

**2**

Ability to Develop and Test  
Smart Contracts

**3**

Smart Contract Integration Skills  
with Front-End Applications

**4**

Experience in Token and NFT  
Development

**5**

Competence in Deploying and  
Hosting dApps



# Course **OBJECTIVE**



This program offers a comprehensive foundation in decentralized application (dApp) development, equipping participants with the critical skills needed to thrive in the blockchain industry. Beginning with an exploration of blockchain fundamentals and basic Solidity programming, participants will progress to developing and testing smart contracts.

The curriculum then advances to integrating these smart contracts into front-end applications, ensuring a seamless user experience. Additionally, the program delves into token creation and NFT development, providing hands-on experience with real-world projects. The journey concludes with the deployment and hosting of dApps, fully preparing participants to launch their applications and navigate the decentralized digital landscape.



# Course STRUCTURE



# Why This PROGRAM?



This program is perfect for individuals seeking practical, hands-on experience in decentralized application development. It provides extensive exposure to blockchain technology, smart contract creation, and front-end integration, ensuring participants acquire the knowledge and expertise needed to successfully create and deploy dApps.

Whether you're looking to advance your career, explore innovative blockchain solutions, or make your entry into the tech industry, this program equips you with the essential tools and insights to succeed in the rapidly growing blockchain sector.





# Things To **KNOW**










## Prerequisite:



-  Docker, NodeJS, Solidity, Truffle, Ganache, Hardhat, MetaMask, EthersJS, React, VS Code.
-  Preferred to have basic knowledge of Blockchain, JavaScript, CSS, HTML, Solidity, and React Framework. But not mandatory.



## Minimum computer requirements:



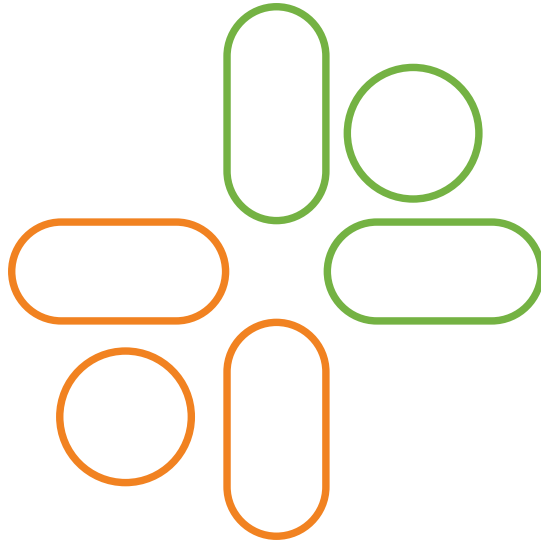
-  Windows 10 / 11 Operating System or later version (**MAC OS and LINUX are also supported**)
-  Dual-Core CPU at 1.4 GHz or higher (Intel i4 / i6 or equivalent)
-  15 GB disk space available
-  64-bit Processor
-  8 GB RAM
-  Microsoft 2010 or above
-  Connection to Internet with Wi-Fi access

## Class Information:



-  Duration: 40 Hours
-  Mode: Seminar / Face-to-Face





**Capable. Elevated. Thriving.**



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