Karachi Institute of Economics and Technology
College of Computing and Information Sciences
FINAL YEAR PROJECT – 2021
PROPOSAL

SEMESTER	FALL 2021	YEAR	2021-2022

TITLE OF PROPOSED PROJECT
Cryptocurrency on Ethereum Blockchain

Project Category (choose one)	■ Product based	□ Research-based

SUPERVISOR INFORMATION			
Supervisor Name:	(leave blank)	Organization/ Designation	(leave blank)
Contact No:	(leave blank)	email:	(leave blank)

STUDENT(S) INFORMATION		
S#	Student ID	Name
1	9815	Muhammad Daniyal
Contact No:	03092378768	email: amdaniyal2000@gmail.com
2	9937	Muhammad Safdar
Contact No:	03343557587	email: safdar.avd.1@gmail.com

PROJECT AREA/TOOLS	
Tools Required:	**Solidity – (Programming Language)** **NodeJS – (Backend Framework)** **ReactJs – (Frontend Framework)** **HTML5, CSS3, JavaScript - (Frontend tools)** **Linux Based Cloud Server (for deployment)**
Area/Specialization:	**Blockchain**

SUMMARY OF PROPOSED PROJECT (MAXIMUM 300 WORDS)
Blockchain is the hottest technology these days, and cryptocurrency being the pioneers of adapting the technology. Ethereum is the second largest cryptocurrency after Bitcoin. The Ethereum blockchain allows you to create your own cryptocurrency, or token, that can be purchased with Ether, the native cryptocurrency of the Ethereum blockchain. ERC-20 is simply a standard that specifies how these tokens behave, so that they are compatible with other platforms like cryptocurrency exchanges.   We will be creating our own ERC-20 Token and then we will develop a website for ICO offering of that token.

PROJECT OBJECTIVE(S)/OUTCOMES
• Build and deploy our own cryptocurrency   • Learn about the Ethereum blockchain   • Sell our token via ICO through our website   • Promote digital currency

FUNCTIONAL FEATURES

For FYP 1:

1) We will first create our own token using the Ethereum Blockchain
2) We will connect our token to the smart contract
3) Our token will be available for transfers between wallets

For FYP 2:

1) We will initiate an ICO through a website which we will build
2) We will start the crowd sale and let out tokens be sold
3) We will end the sale and distribute the tokens to our investors

For Proposal Defense Purpose

PROPOSED ADVISORY COMMITTEE

S#	Faculty Name	Signature
1		
2		
3		
4		

FYP Committee

S#	Member(s) Name	Designation	Signature
FYP COMMITTEE			
1	**Usman Khan (FYP Coordinator)**	Lecturer	
2	**Mr. Kashif Bashir / Mr Ayub Latif (Head of the Department)**	Asst. Professor	
3	**Dr. Muhammad Khalid Khan (Director CoCIS)**	Professor	
	Date	00/00/0000	