



TWO DAYS BOOTCAMP PROGRAM ON "ETHEREUM BLOCKCHAIN AND HYPERLEDGER PLATFORM"

Event No	CS043
Organizing Department	Computer Science and Engineering
Date	16/03/2023 to 17/03/2023 (2 Days)
Time	09:00 AM to 04:00 PM
Event Type	Workshop
Event Level	Institute
Venue	LIS Lab
Total Participants	26
Faculty - Internal	3
Students - Internal	23

Related SDG



Resource Persons

Sl	Type	Name	Designation	Company	Email	Phone
1	Resource Person	Mr M Maharaj	Founder & CEO	BCBUZZ Technologies Pvt Ltd	maharaj@bcbuzz.io	xxxxxxxxxx
2	Resource Person	Gowtham Paramasivam	Blockchain Architect	Sparkout Tech Solutions	gowthamparamasivam66@gmail.com	xxxxxxxxxx

Involved Staffs

Sl	Name	Role
1	Senthil Prakash Pn	Coordinator
2	Geetha S K	Coordinator
3	Jeevitha R	Coordinator

Outcome

Participants learned about the basics of blockchain technologies and also experienced the implementation of a private blockchain network using Hyperledger Fabrics.

Event Summary

In this two days boot camp program on blockchain technologies, students learned about the basics of blockchain technologies. In the first day, the resource person Mr. Maharaj explored the fundamental concepts like blocks, genesis block, consensus mechanisms, proof-of-work, proof-of-stake, public blockchain, private blockchain, difference between bitcoin blockchain network and ethereum blockchain networks, smart contracts, wallets etc. He also discussed about the security mechanism such as hashing, public key, private key and SHA256 algorithm. During the post lunch session, Mr. Maharaj have also shown demo of creating a blockchain network using the portal <https://demoblockchain.org/blockchain> in which he demonstrated how the blocks gets created with unique hashkey. He highlighted how the network grows by adding new blocks to the existing network.

During the second day of the program, Mr. Gowtham Paramasivam discussed about the implementation of Hyperledger Fabrics tool. Fabrics is a open source tool provided by Linux foundations for creating private blockchain network. Initially, he installed docker, docker-compose and then Hyperledger Fabrics. Then he created a sample channel for the Hulk sample blockchain network and the source code was been shared through his github page <https://github.com/GowthamParamasivam/hlf-practice>. During the post lunch session, he demonstrated the creation of smart contracts. He have also deployed the created smart contracts in the test network using Remix IDE. The entire session was hands on session during which the resource person rectified all the errors faced by the participants. All the 23 participants attended the training actively and at the end of the two days boot camp program, the participants have learned the implementation of Fabrics tool.

KPR Institute of Engineering and Technology
Department of Computer Science and Engineering
BLOCKHUB Blockchain Community
Organizes
Two days Bootcamp program on
"Ethereum Blockchain & Hyperledger Fabric platform"

Resource Person
Mr Maharaj M
Founder & CEO
BCBUZZ TECHNOLOGIES Private Limited
India

16th - 17th Mar 23 9.00am - 4.00pm NMS Lab

Registration fee : Rs 500

Coordinators
Dr Seetha Prakash P.N. HOD/CSE
Ms Seetha S. Anandakrishnan
Ms Jeevitha R. Arora

Convener
Dr N Yuvraj
HOD/CSE

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