

Academic Year 2019-20

Seminars

Semester: I

Report

On

“ORIENTATION PROGRAM”

ON

“BLOCKCHAIN”

23/09/2019

Organized by

Internal Quality Assurance Cell (IQAC)

At

Kg Reddy College Of Engineering and Technology,

Seminar Hall.

Submitted

By

Raghu Kumar Lingamallu

Assistant Professor, CSE Department


IN-CHARGE


COORDINATOR


CHARIMAIN

KG Reddy College of Engineering & Technology
Chilkur (V) Moinabad (M),
R. R. Dist

Objectives:

- Understand the function of Block chains as a method of securing distributed ledgers, how Consensus on their contents is achieved, and the new applications that they enable.
- Describes the technological underpinnings of block chain operations as distributed data Structures and decision making systems, their functionality and different architecture types.

Outcomes:

- Understand the structure of a block chain and why/when it is better than a simple Distributed database.
- Analyze the incentive structure in a block chain based system and critically assess its Functions, benefits and vulnerabilities.

Resource Persons:

1. Mr.Pankaj Diwan
2. Mr.Rohith
3. Mr.Sai Akshay

Overall Summary

The session started by the resource person Mr.Pankaj Diwan. He has given the overall introduction about the block chain technology. He has been covered following points.

1. Introduction
2. How Blockchain technology works?
3. Distributed database
4. Building trust with blockchain
5. Benefits of blockchain technology
6. Technologies behind blockchain technology

Introduction:-

The blockchain technology was first mentioned in a document or whitepaper, published in 2008 by the mysterious and anonymous person named Satoshi Nakamoto.

Blockchain technology is a new way of documenting data on the internet. It can be used to develop applications for social media, social network sites, distributed personal messengers, online games, stock exchanges and many more.

Every record that is written on a blockchain is secured by unique cryptographic key. This makes the information stored on the blockchain immutable.

Blockchain technology can be utilized in multiple industries including financial services, health care, government, travel and hospitality, etc

Blockchain is a combination of already existing technologies to achieve effective transaction processing on distributed databases. It is based on the internet, private key cryptography and a distributed protocol.

Blockchain is a database of transactional information in which data is not stored on a single centralized node on a server, but it is decentralized. This means the data is stored in a variety of data servers that are connected over the network.

- Recorded
- Transparent
- Decentralized

Blockchain technology works:-

One of the famous uses of blockchain is Bitcoin. Bitcoin is a cryptocurrency and used to exchange digital assets online. Bitcoin uses cryptographic proof instead of a 3rd party trust for two parties to execute transactions over the internet. Each transaction is protected through digital signature.

Distributed database:-

There is no centralized server or system which keeps the data of blockchain. The data is distributed over millions of computers around the world which are connected with the blockchain.

Network of nodes:-

A network is a computer connected to the blockchain network. Node gets connected will blockchain using the client.

Disadvantages of current transaction system:-

- Cash can only be used in low amount transaction locally.
- Huge waiting time in the processing of transactions
- Need to third party for verification and execution of transaction make the process complex.
- Organization doing validation charge high process thus making the process expensive

Building trust with blockchain:-

Blockchain enhances trust across a business network. It's not that you can't trust those who conduct business with it are that you don't need to when operating on a blockchain network.

Blockchain built trust through following 5 attributes.

- Distributed ledger
- Secure
- Transparent
- Consensus-based
- flexible

Benefits of blockchain technology:-

- Time-saving
- Cost saving
- Tighter security

Technologies behind blockchain technology:-

1. Private Key cryptography
2. P2p network (peer2peer)
3. Program (blockchain protocol)

Photographs with Description:-



Mr.Pankaj Diwan explaining about "Introduction to Blockchain"



Raghu Kumar <Irgupta528@gmail.com>

Fwd: Inauguration and Launch

1 message

Professor M.N.Narsaiah <headiqac@kgr.ac.in>
To: Raghu Kumar <Irgupta528@gmail.com>

Sat, Jan 25, 2020 at 3:03 PM

Thanks and Regards
M.N.Narsaiah
IQAC coordinator & Member secretary-AMC
KGR CET
+91 9640378185
+91 9182065754

----- Forwarded message -----

From: **Udayan Bakshi** <udayan@idealabsftv.in>

Date: Tue, Sep 17, 2019 at 7:05 PM

Subject: Inauguration and Launch

To: Principal Kgr <principal@kgr.ac.in>

Cc: <hod.cse@kgr.ac.in>, Dr.Pravin Kshirsagar <hod.ece@kgr.ac.in>, <training@kgr.ac.in>, <headiqac@kgr.ac.in>, Pankaj Diwan <uil.pankajdiwan@gmail.com>, Saba Parween <saba@idealabsftv.in>

Dear Sir,

This is in continuation to our meeting today at the college. The following points were discussed.

1. There will be formal launch of the program on the 23rd September (Monday). A formal program MOU will also be exchanged in between KG Reddy and Idealabs.
2. Director Sir, yourself and all concerned HoDs & faculty members will be present.
3. All the registered students will be present during the inauguration and briefing.
4. Tentatively inauguration ceremony will be from 10 am to 11 am followed by the briefing session of 2 hours.
5. A relevant industry mentor from our side will be part of the inauguration session.

We have already started the preparation from our side and we will share the detailed program launch and implementation document with you at the earliest.

Thanks & Regards,

Udayan BakshiVice President
Academic Innovation**IdeaLabs FutureTech Ventures**

#31, 4th Floor, LeeVen Heights

Jubilee Enclave, Hitech City

Hyderabad - 500 081. Telengana

Hand Phone: +91 903 000 6060 / 9090 | Email: udayan@idealabsftv.inWebsite: www.IdeaLabsFTV.in

Facebook | Twitter | Youtube | LinkedIn