



Ref: GTU/GIC/DIC/Workshop/2022/01/ ૪૪૧

Date: 10/2/2022

### Report on 5 Days Online Workshop on Blockchain Technology

Date: 17<sup>th</sup> – 21<sup>st</sup> Jan 2022

Mode: Online Mode, Google Meet

Subject Expert: Asst. Professor Mahesh Panchal

Note: DIC – GTU has received 102 Applications of students across the state, this workshop was contents for 5 Days with a timespan of approximately two hrs per day.

The Workshop was commenced at 1.30 pm by event coordinator Niyati Raval who gave a brief introduction about DIC – GTU, its motive, activities under DIC – GTU, and an introduction to the subject expert asst. prof Mahesh Panchal from Graduate School of Engineering and Technology – Gujarat Technological University. The workshop was conducted in online mode via Google Meet where students from the various streams had participated.

**Objective:** The objective of this workshop on Blockchain Technology was to enhance the skilled knowledge and students can get familiar with the trending subject of Digital Currency and Blockchain Technology. Also, they can use this knowledge in their career as well.

#### Event Overview:

- Expert Prof. Mahesh Panchal had covered following topics,
- What is Blockchain Technology?
  - Advantages and Disadvantages of Blockchain Technology
  - How it all started?
  - How does it work?
  - Hands-on Experiment on mention topic

Some key points from the workshop session:

- ✓ Blockchain is secure communication between multiple parties.
- ✓ It is like a distributed ledger technology where you can select and insert the data but cannot update or delete the data.
- ✓ Size of doc should be maintained with the size of doc and second block must contain the address of first block.
- ✓ It has peeper-to-technology, cryptology, and API.
- ✓ Introduction to Digital Currency it is contained financial transactions.
- ✓ How Blockchain Mining Works and how Blockchain Technology can be useful in the

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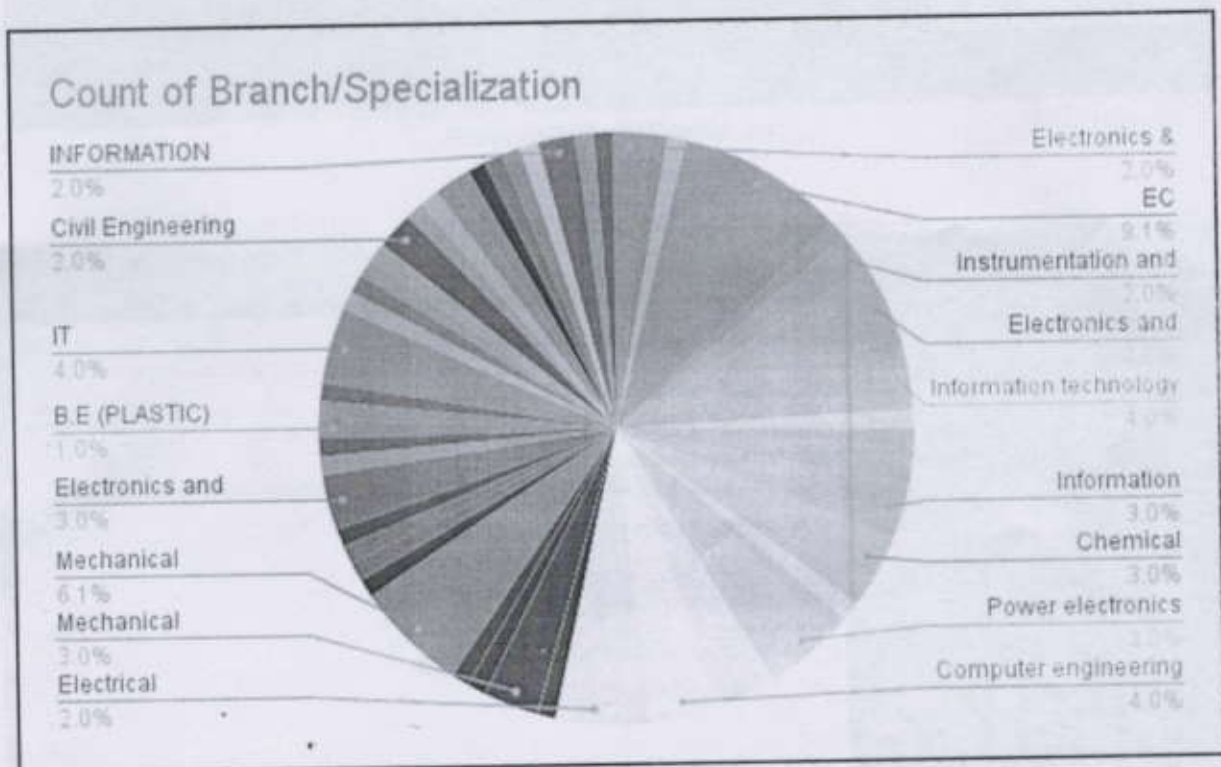


various sectors.

- ✓ How Bitcoin & Ethereum is introduced to the world & how digital currency works.
- ✓ There is Public and Private Blockchain
- ✓ There are some important aspects of Blockchain Technology:
  - Hashing
  - Digital Signature
  - Cryptography
  - Bitcoin
  - Cryptographic problem
- ✓ Encryption and types of Cyphers.

Prof. Mahesh Panchal also gave a Brief about Blockchain Mining with practical Demonstration.

### Glimpses of the Event



Received entry form Engineering Branches

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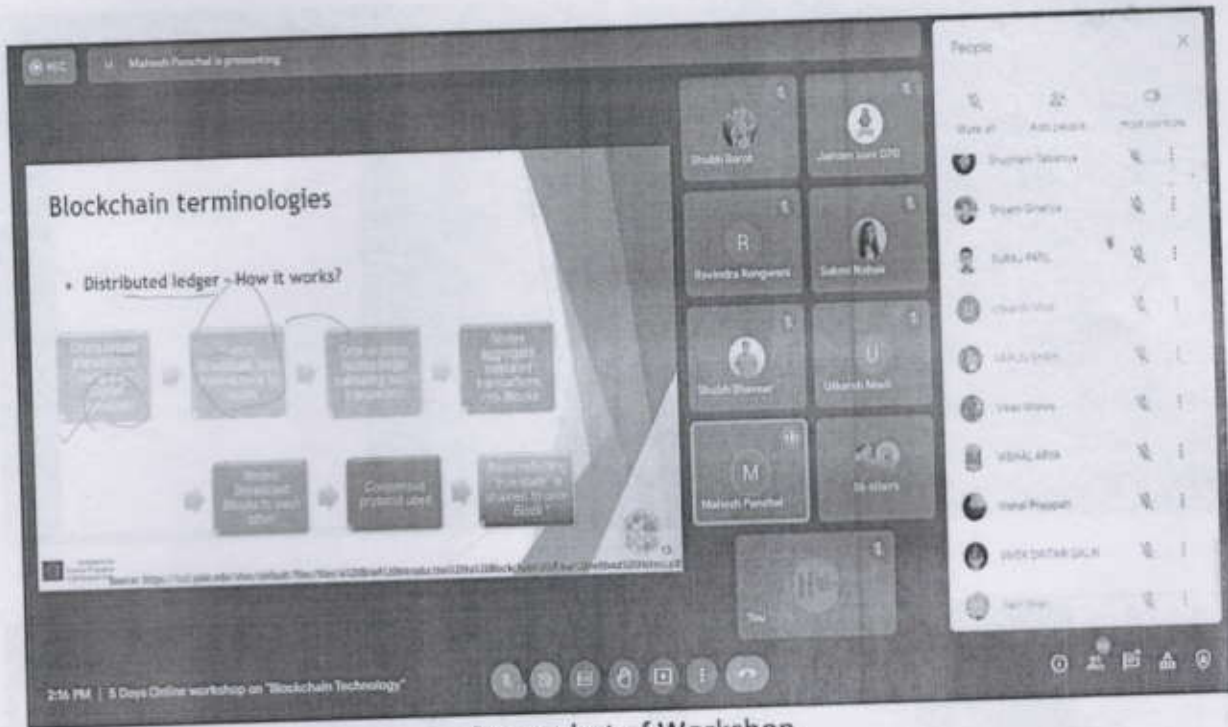


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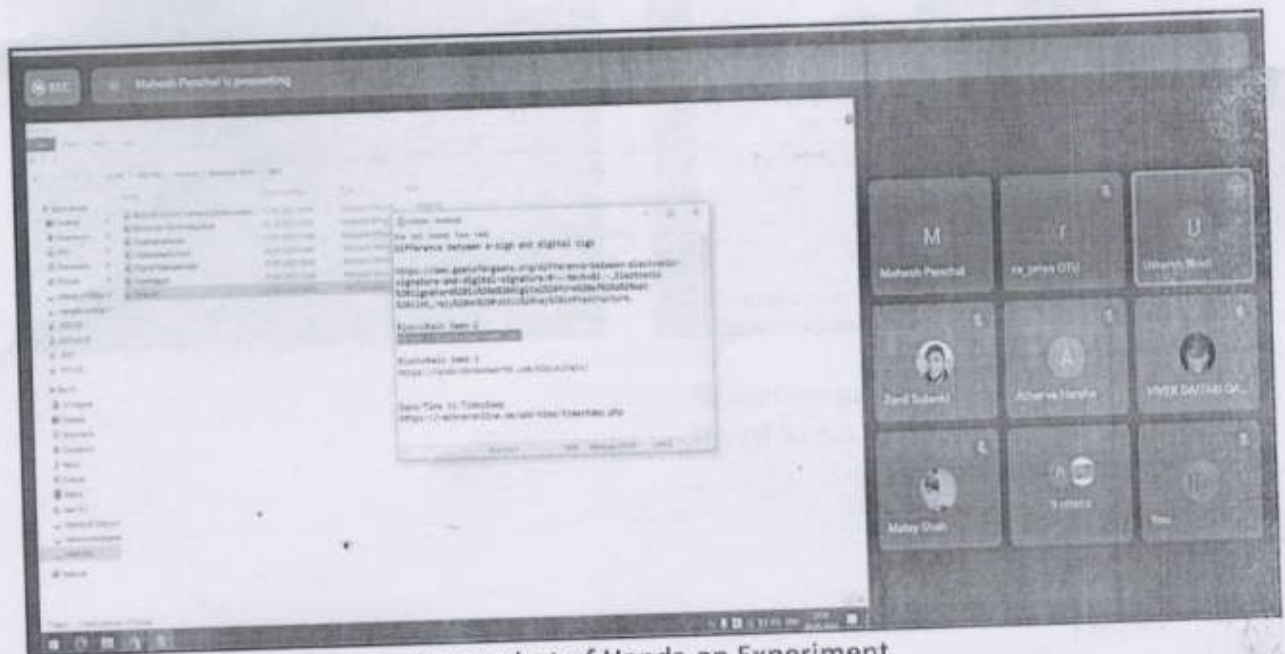
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## ગુજરાત ટેકનોલોજીકલ યુનિવર્સિટી

(ગુજરાત અધિનિયમ ક્રમાંક : ૨૦/૨૦૦૭ દ્વારા સ્થાપિત)



Screenshot of Workshop



Screenshot of Hands-on Experiment

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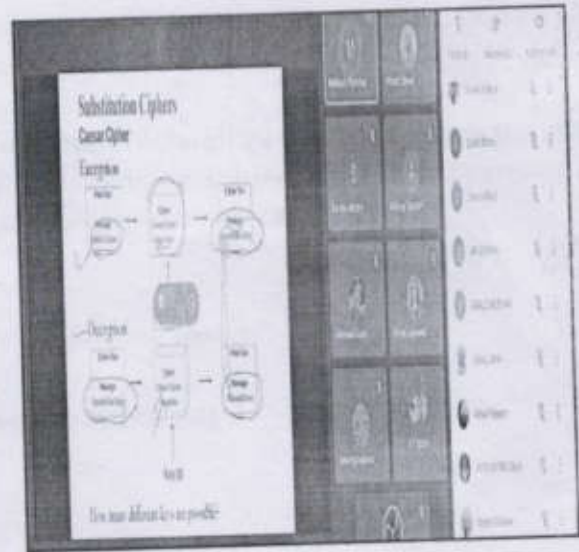
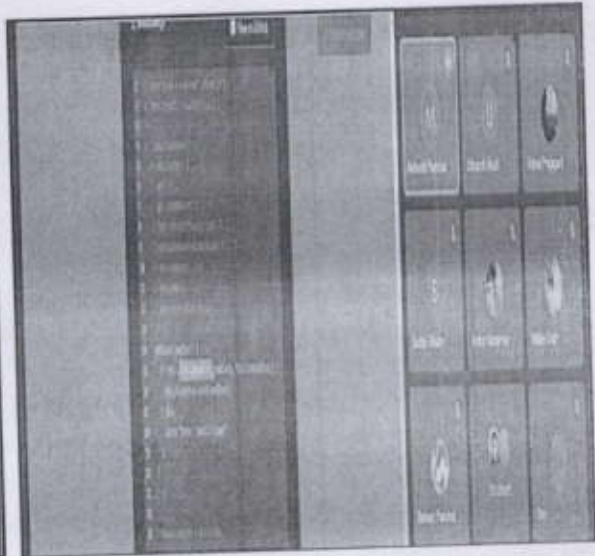
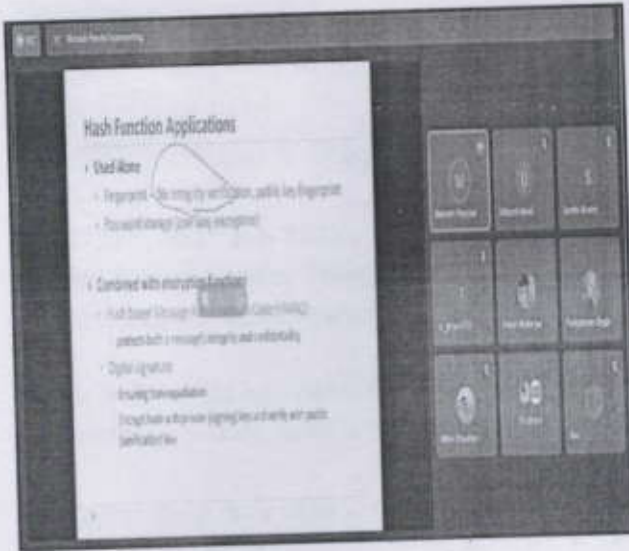


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9/1/22  
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