Technology Environ.

ment)

* JOT Security - technology segment focused on safeguarding

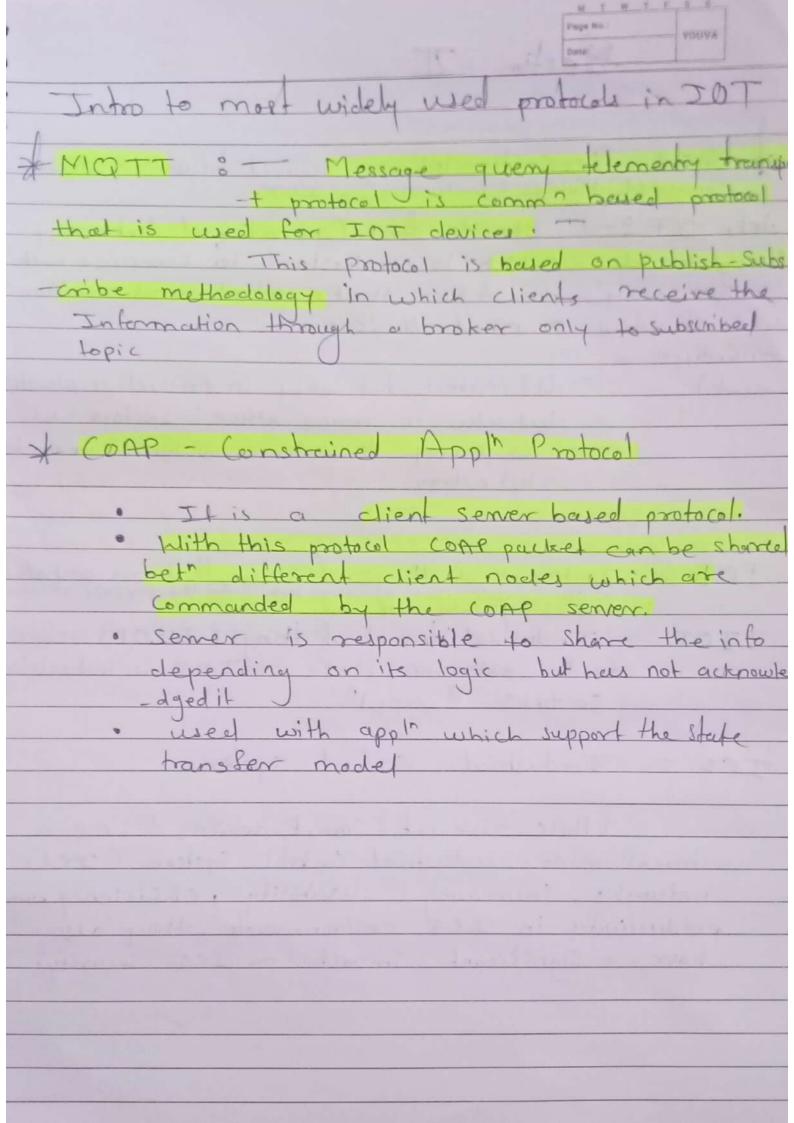
det. OT ?- Stands for Operational technology (design to meet; which is understood to comprise both and unique recently, how I sow that control and monitor needs of operating Physical devices.

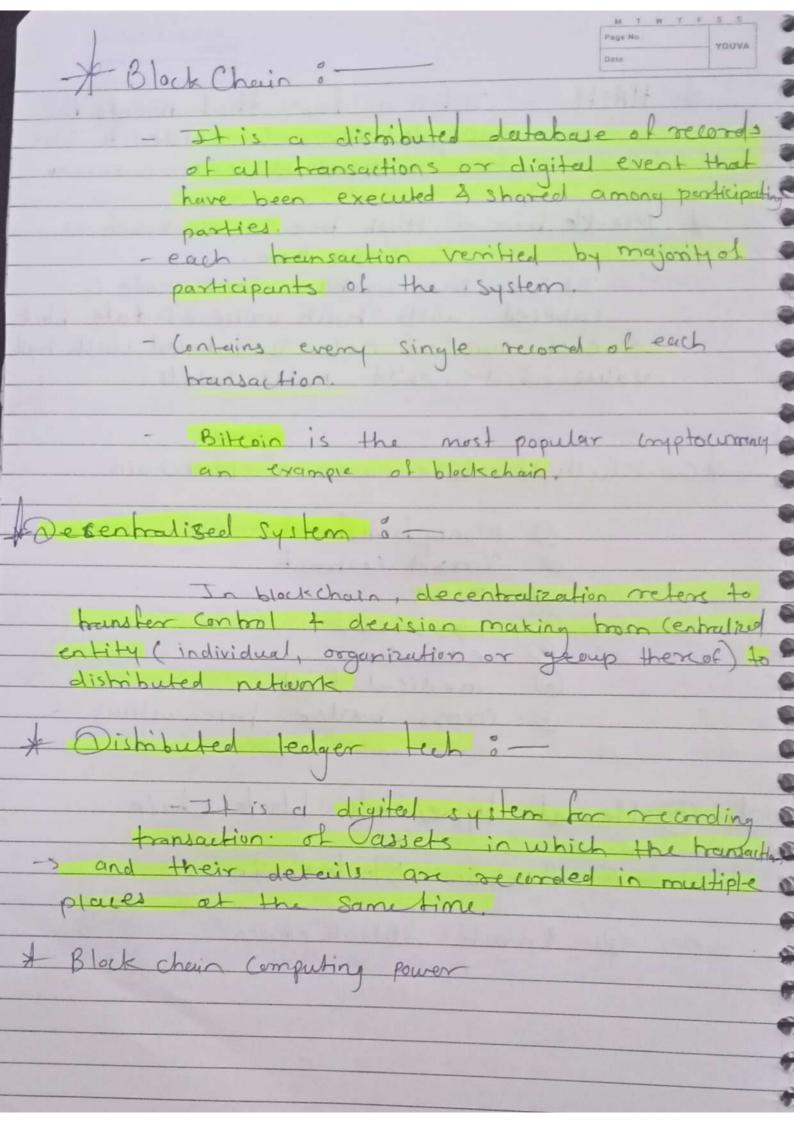
> Of wed not only in production plants, but also in many other sectors such as energy of water providers tim median technology.

Internet of things (Things that an embedded with sensor is two, 4) other tech of for the purpose of correct to the extension of things (IJOT) referes to the extension of use of TOT - Industrial internet of things (IIOT) referes sectors of appl?

Industrial Control Systems ICS -

While rise of Smart devices & JOT is transforming industrial Control System (Jes) 0 networks, increasing usability, efficiency and 0 productivity in Ics environments, they also have a significant impact on ICS security. 1





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* HASH - It is a fun th for a block chain computations. * Merke here - Hush here is also known as Merkle troe. - It is a tree inwhich leaf node is labeled with hash value of data block 4 each non leaf node is rabeled with how value 4 its child nodes labels. * Multiple Use-Cases of Blockchain Money bransfer Smart contract (4) Logistics medical field cross border frem actions * Different types of block chain O Public Block chain @ Private Black chain

88888 * Public Blockchain: on which anybody can join & conduct transactions. -2 openness of must. * Private Blockchain: private context, such as restricted network, or is controlled by single identity. --- Can be used in Company's Supply chain lized record keeping more similar to contralish there exists only one single valid cary of second should by all nodes. -Types 5- O Proof of Work -1 Practical Byzantine Poult tolerance (8) Proof of State (4) proof of Burn (3) proof of Capacity
(6) Proof of Elapsed time

Page No Page No Date Youva *Smert Contract :that stored on etherium's blockchain. - Contract can be used to build currences A Smoot contract language it

Solidity

Jupiter

Vypen. Solidity is high level object oriented prog. language used for creeking Smart contract * EVM in relation with sment contracts environment for smurt contract in etherium Or even using solidity

Date YOUVA * Ether 8 -or either is primary digital assets or emptocurrency of ethersum platform. Operation on etherseum. - All Grow prices are paid ethers. & Sment Contract in Pthereum Blockehain 0 9 It is simply a program that muns on ethereum block chain. --0 to create systems, apply 2 networks. 0 -Compto currency

The is a digital currency, which are alternative form of payment creaked a using enemption calgo. -- currency that exists digitally or -THE PERSON NAMED IN

* Types of Coppto currency of Comptography-Types of Comptocurrency - a payment comptocurrency a Utility tokens @ Utility tokens 3) Stablecoins (9) Ochdral Bank Digital Currences Types of compto graphy o-Secrent key comptography public key comptography Housh funn I valid And invalid Transactions:

Permissioned Blockehain :-

platform that enables multiple authoritative domains which do not trust each other to co operate, co ordinate & collaborate in rational decision making process under closed environment with Jehablement of security such as authorization

* Permissioned Blockchain - RAFT Consensus

nodes collectively select leader & remaining nodes become the followers.

* Byratine Generals Problem

which means that soln to the problem has not been found yet as well as helps us to understand the importance of blockchain.