Web 1.0, 2.0 and 3.0

1.0 2.0 3.0 It is the "readable" phrase It is the "writable" phrase It is the "executable" of the World Wide Web of the World Wide Web phrase of Word Wide Web with dynamic with flat data. In Web 1.0, with interactive data. Unlike Web 1.0, Web 2.0 applications, interactive there is only limited interaction between sites facilitates interaction services, and between web users and "machine-to-machine" and web users. interaction. sites. Web 1.0 was an information Web 2.0 was built to In Web 3.0, computers can interpret information portal which was static in enable collaboration and intelligently like humans participation. nature. tailored to their preferences.















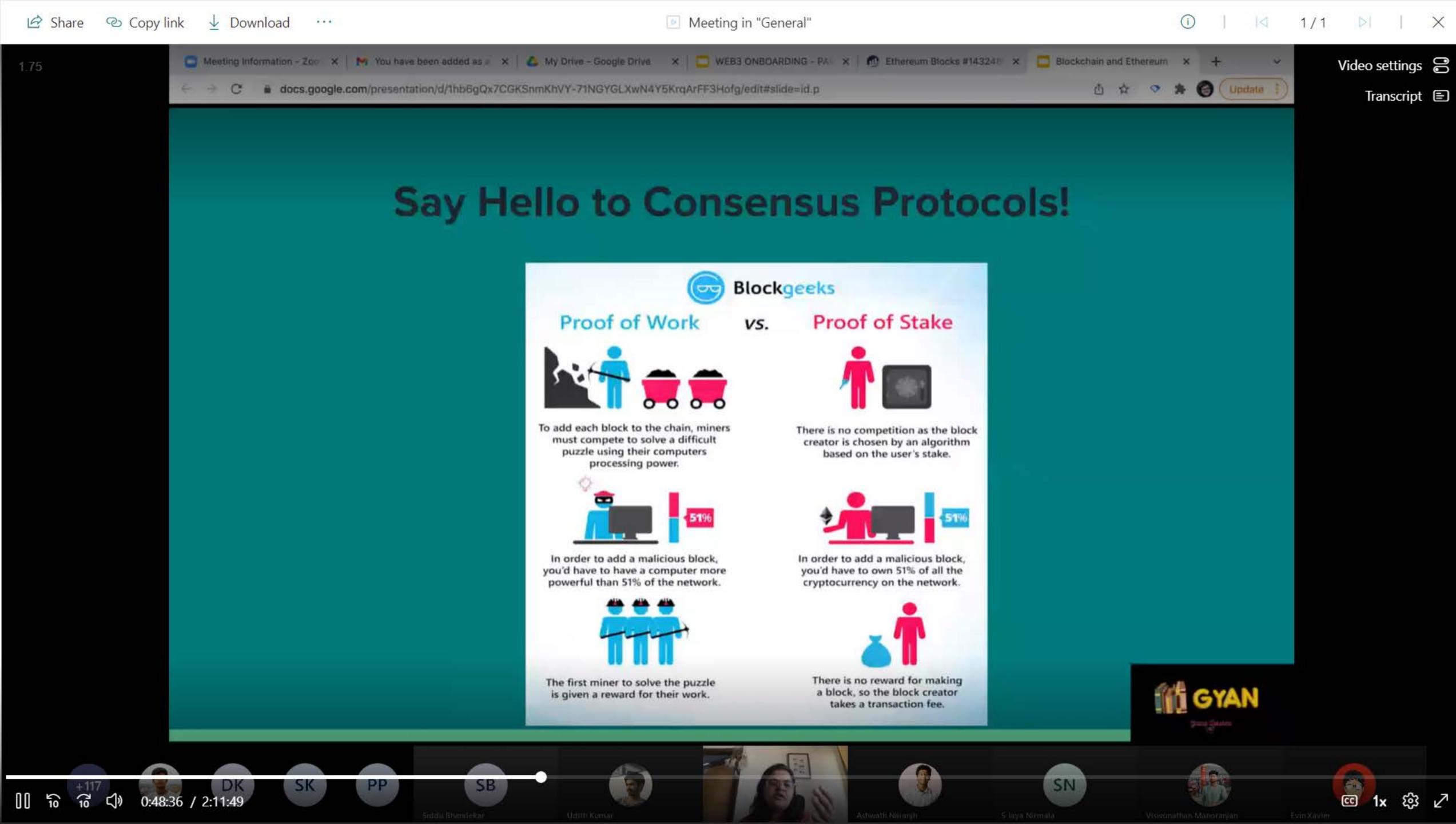












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Update

Video settings 🔗

Public and Private Blockchains

Public Blockchain

- Anyone in the world can join these networks i.e it's open for public.
- The transaction ledger is visible to everyone who is on the network.
- Completely decentralised and no one has any control over the network. Data security comes from the fact that data once validated on Blockchain cannot be tampered with.
- This is also known as permissionless Blockchain.

Private Blockchain

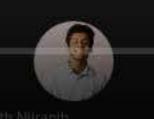
- Private Blockchains are private network channels setup between 2 or more parties who are involved in transactions.
- The transaction ledger is only visible to those parties who are in the private network.
- It's decentralised among the involved parties and decisions over the network are taken through consensus protocols. There are restrictions on who can participate in the network and who cannot.
- Also known as permissioned Blockchain.

















Introduction to Ethereum

- Ethereum was proposed in the late 2013 by Vitalik Buterin, a cryptocurrency researcher and programmer.
- Ethereum is an **open source**, **public blockchain platform** which has successfully implemented the functionality of "**Smart Contracts**".
- Ether is a token that is used for transactions on the Ethereum Blockchain. It can be transferred between accounts and can also be used to incentivise miners.
- Ethereum provides a decentralized virtual machine known as EVM which
 is used to execute the scripts using an international network of public
 nodes.

