

# Blockchain Basics

By Coursera

21/07/2020 (Completed lesson “**Consensus Protocol**” and took quiz on that lesson)

The screenshot shows the Coursera interface for the 'Consensus Protocol' lesson. The left sidebar lists the course structure: Decentralized Systems, Consensus Protocol, Robustness, Forks, Week 4 Evaluation: Trust Essentials, and Final Course Project. The main content area displays a video titled 'Proof of Work' with a diagram showing the process: '00101' and '11001' are hashed into a single block, which then goes through 'Validate Tx', 'Verify Gas and Resources', 'Execute Tx', and finally 'Form Block: Consensus Process (Proof of Work)'. The video player includes controls for saving notes, discussing, and downloading.

The screenshot shows the 'Self-Check' quiz page on Coursera. The top section displays a green banner with the message 'Congratulations! You passed!' and a 'Keep Learning' button. The grade is shown as 100%. Below this, the 'Self-Check' section shows the total points as 2. The first question is: 'Proof of work is the \_\_\_\_\_ used by Bitcoin blockchain and Ethereum Byzantium Metropolis blockchain.' The options are: Incentive function, Trust function, Consensus Protocol (selected), and Transaction confirmation. A green box indicates the answer is correct. The second question is: 'An approach for consensus protocol that is hotly debated among developers of blockchain is'. The options are: Proof of Incentive (selected), Proof of Work, Proof of Stake, and Proof of Authority.