

ISE CERTIFICATION COURSE DETAILS

NAME:	ACHARYA SAINATH BALAKRISHNA	USN:	4AL17IS400
SEMESTER:	VIII	MENTOR:	MRS. JAISHMA KUMARI B
COURSE NAME:	BLOCKCHAIN BASICS	DATE:	01-06-2020

SCREENSHOT:

The screenshot shows the Coursera interface for the 'Blockchain Basics' course. The left sidebar contains a navigation menu with items like 'Decentralized Systems', 'Consensus Protocol', 'Robustness', 'Forks', 'Week 4 Evaluation: Trust Essentials', 'Quiz: Trust Essentials - Week 4', 'Final Course Project', and 'Blockchain Basics: Key Takeaways'. The main content area is titled 'Forks' and features a video player. The video player has a title 'Byzantium Fork' and a subtitle '4,377,928 / 4,370,000 block'. Below the video, there is a table with columns: Name, Block number, Time (seconds), Difficulty (bits), Reward (ETH), and Fork. The table lists three forks: 'Ethereum to Ethereum Classic', 'Ethereum to Ethereum Classic', and 'Ethereum to Ethereum Classic'. To the right of the video, there is a 'Notes' section with a 'Save Note' button and a 'All notes' link.

Name	Block number	Time (seconds)	Difficulty (bits)	Reward (ETH)	Fork
Ethereum to	4,377,928	10.0	0.000000000000000000	5.0	Hard Fork
Ethereum Classic	4,377,928	10.0	0.000000000000000000	5.0	Hard Fork
Ethereum Classic	4,377,928	10.0	0.000000000000000000	5.0	Hard Fork

BRIEF REPORT: (POINT-WISE)

- 1). Robustness is the ability to satisfactorily manage exceptional situations. It's all the more important in a decentralized autonomous network such as a blockchain where there are no intermediaries minding the store. Forks are mechanisms that add to the robustness of the blockchain framework.
- 2). Trust in Forks, a fork in the path. Fork, hard fork and soft fork, are most common phrases uttered in blockchain. If robustness and trust is about managing exceptional situations, hard forks and soft forks are indeed at the front and center. a minor process adjustment has to be carried out typically by bootstrapping a new software to the already running processes. This is soft fork.
- 3). Hard fork implies a major change in the protocol. For example, the recent change from Ethereum Homestead to Metropolis Byzantium version was a planned hard fork and important note after a hard fork the emerging two chains are incompatible.
And quiz related to above topics.