

ISE CERTIFICATION COURSE DETAILS

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COURSE NAME:	BLOCKCHAIN BASICS	DATE:	27-05-20

SCREENSHOT:

The screenshot shows the Coursera interface for the 'Blockchain Basics' course, specifically Week 2, 'Ethereum Operations'. The sidebar on the left lists various resources: 'Smart Contracts', 'Ethereum Structure', 'Ethereum Operations' (which is expanded to show a video, optional reading, and a practice quiz), 'Incentive Model', and 'Week 2 Evaluation: Ethereum Blockchain'. The main content area features a diagram titled 'Ethereum Operations' illustrating a transaction flow. The diagram shows a 'Sender's Account' sending a 'Value transfer: 100 Ethers' to a 'Receiver's Account' and 'Fees: 21000 gas points' to a 'Miner's Account'.

BRIEF REPORT: (POINT-WISE)

- 1). Ethereum operation operates as follows Sender sends ethers to Receivers account but when a transaction is initiated it is passed to a certain miner whose responsibilities is to monitor after the transactions. After successful transaction, the miner is awarded with gas points e.g 21000 gas points.
- 2). Incentive model is related to the gas that takes place during the transaction and also in the blocks. There should be sufficient gas present in the account for the transaction to be carried out if not then the amount transacted will be debited back to the senders account. Gas in blocks have GASLIMIT – amount of gas points available and GASSPENT – actual amount spent at completion of block creation.
- 3). Quiz for all the topics.