

ISE CERTIFICATION COURSE DETAILS

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COURSE NAME:	BLOCKCHAIN BASICS	DATE:	26-05-20

SCREENSHOT:

The screenshot shows the Coursera interface for the course 'Ethereum Blockchain: Smart Contracts'. The top navigation bar includes the Coursera logo, an 'Explore' button, a search bar with the text 'What do you want to learn?', a notification bell, and a user profile icon for 'Sainath Acharya'. The breadcrumb trail indicates the course is part of 'Blockchain Basics' > 'Week 2' > 'Ethereum Blockchain: Smart Contracts'. The left sidebar lists course items: 'Coursera' (5 min), 'Video: Practitioner's Perspective: The Enterprise' (2 min), 'Reading: (OPTIONAL) Resources: Smart Contracts' (15 min), and 'Practice Quiz: Self-Check' (2 questions). Below these are sections for 'Ethereum Structure', 'Ethereum Operations', 'Incentive Model', and 'Week 2 Evaluation: Ethereum Blockchain'. The main content area features the title 'Ethereum Blockchain: Smart Contracts' and a large image of a stack of gold Bitcoin coins on a blue background.

BRIEF REPORT: (POINT-WISE)

- 1). Smart contracts which was the main thrust of Ethereum Blockchain and the stack diagram of Ethereum Blockchain which would consist of hardware at the bottom of the stack then P2P network & OS above it, then Ethereum Blockchain & Ethereum VM and above it the Application framework i.e. Smart Contracts and at the top of the stack is the Verticals i.e. the End-User applications.
- 2). With Smart contract we can perform transactions based on some conditions like if the age of a bidder is greater than 18 and the bid is greater than the minimum bid, then, accept the bid, or else reject the bid.
- 3). Structure of Ethereum is such that it has UTXO's and Account where all the transaction details is stored in the Accounts like from where the transaction started to where it ended also Accounts has two types Externally owned Account and Contract Accounts. Both the type of accounts must have enough fees to carryout the transactions. Fees are carried out in terms of wei or ethers.