

VIVEKANAND EDUCATION SOCIETY'S INSTITUTE OF TECHNOLOGY
DEPARTMENT OF COMPUTER ENGINEERING
ACADEMIC YEAR 2023-24 (ODD SEM)

SUBJECT	DIV	SUBJECT TEACHER	SYLLABUS
Blockchain Development	Sem VII	Lifna C S	<p>Module - 1: Ethereum Ecosystem Ethereum components: miner and mining node, Ethereum virtual machine, Ether, Gas, Transactions, accounts, swarm and whisper, Ethash, an end-to-end transaction in Ethereum, the architecture of Ethereum.</p> <p>Module - 2: Blockchain Programming Types of Blockchain Programming, Solidity, GoLang, Vyper, Java, Simplicity, Rholang, Comparative study of different blockchain programming languages, Decentralized file system-IPFS</p> <p>Module - 3: Smart Contract Solidity programming, Smart Contract programming using solidity, mapper function, ERC20 and ERC721 Tokens, comparison between ERC20 & ERC721, ICO, use cases of smart contract, smart Contracts: Opportunities, Risks</p>