

COURSE OBJECTIVE AND LEARNING OUTCOME

M.Sc.(INFORMATION TECHNOLOGY) SEMESTER IV

COURSE: 401 BLOCK CHAIN

S.No	Learning Objective	Learning Outcomes
1.	To provide conceptual understanding of the function of Block chain as a method of securing distributed ledgers, how consensus on their contents is achieved, and the new applications that they enable	The students would understand the structure of a block chain and why/when it is better than a simple distributed database
2.	To cover the technological underpinnings of block chain operations as distributed data structures and decision-making systems, their functionality and different architecture types	Analyze the incentive structure in a blockchain based system and critically assess its functions, benefits and vulnerabilities
3.	To provide a critical evaluation of existing “smart contract” capabilities and platforms, and examine their future directions, opportunities, risks and challenges	Evaluate the setting where a block chain based structure may be applied, its potential and its limitations and understand what constitutes a “smart” contract, what are its legal implications and what it can and cannot do, now and in the near future