



## SYMBIOSIS INTERNATIONAL (DEEMED UNIVERSITY)

(Established under section 3 of the UGC Act 1956)

Re - accredited by NAAC with 'A' Grade

Founder: Prof. Dr. S. B. Mujumdar, MSc, Ph.D. (Awarded Padma Bhushan and Padma Shri by President of India)

### Sub Committee - Specialization for Curriculum Development

**Course Name :** Blockchain and It's Applications

**Course Code :** T3672

**Faculty :** Computer Studies

**Programme Type :** PG

**Course Credit :** 3

**Course Level :** 3

**Sub-Committee (Specialization) :** Information Security Management

**Batch :** 2021

**Learning Objectives :**

- Analyze growing importance of blockchain technology and crypto currency.
- Understand growth of crypto currency in international perspective
- To examine importance of block chain technology for International business.
- To evaluate significance block chain technology in Healthcare Sector
- To identify use of block chain in social media
- Course name itself to be changed to Blockchain Technologies and applications. Crypto currency is just one of the applications of blockchain.

<b>Books Recommended :</b>	<b>Book</b>	<b>Author</b>	<b>Publisher</b>
	The age of cryptocurrency	Paul Vigna & Michael J. Casey,	Picador; Reprint edition
	Goldfeder, Bitcoin and Cryptocurrency Technologies: A Comprehensive Introduction	Arvind Narayanan, Joseph Bonneau, Edward Felten, Andrew Miller and Steven	Princeton University Press
	Law Relating to Computers, Internet and Ecommerce	Nandan Kamath	Law Publishing Co
	The Internet of Money	Andreas M. Antonopoulos	Merkle Bloom LLC

<b>Course Outline :</b>	<b>Sr. No.</b>	<b>Topic</b>	<b>Hours</b>
	1	<b>Introduction to Blockchain Technology: Introduction to Blockchain, Blockchain security, blockchain security issues and challenges, Types of Blockchain Technology Blockchain Need &amp; Importance Cryptography, Hashing and Transactions Peer to Peer Work How BI</b>	<b>10</b>
	2	<b>Blockchain Technology &amp; Healthcare Business Use of Blockchain in healthcare Business Managing and Sharing Healthcare Records Medical Supply Chain Clinical Research Healthcare Insurance Business Key benefits of incorporating blockchain in healthcare Chall</b>	<b>9</b>

3	<b>Blockchain Technology &amp; International Business</b> <b>Interoperability in International Business</b> <b>Key Benefits in International Business</b> <b>International Supply chain management - Quality control and efficiency, Product or shipment tracing, Fraud or tampering detect</b>	8
4	<b>Application of Blockchain Technology in Social Media</b> <b>What is Blockchain Social Media</b> <b>What is Blockchain Social Media?</b> <b>Why Decentralized Social Networks?</b> <b>The Top Blockchain Social Networks</b> <b>Challenges to Blockchain Implementation in Social Media</b> <b>Benefits -</b>	8
5	<b>Blockchain Technology &amp; Crypto currency</b> <b>What are Crypto assets in Blockchain</b> <b>Overview of Crypto currency - Types of Crypto currency Bitcoin, Ethereum, Ripple, Litecoin, Bitcoin Cash, Tether, Dash etc.</b> <b>Crypto currency - Tokens - Crypto securities</b> <b>Key play</b>	10

**Pre Requisites :**

Understanding of Ecommerce  
 Knowledge about digital business - B2B and B2C platforms.  
 Basic understanding of information technology

**Evaluation :**

Assignment  
 case studies  
 Class test  
 Presentation  
 Quiz

**Pedagogy :**

Case analysis  
  
 Lectures  
  
 Videos  
  
 Group Discussion  
  
 Quizzes  
  
 Project presentation

**Expert :**

Mr. Sagar Bendre,,IT Consultant