



**INDUS INSTITUTE**  
**Of**  
**Information & Communication**  
**Technology**

**Department of Computer Science**

**M.Sc. Cyber Security**

**2<sup>nd</sup> Semester**

Subject Name: Block Chain Technology and Security

Subject Code: MSCY0206

Submitted To: Mr. Anjani Tiwari

Submitted By: Punit Soni (IU2454520053)

# CERTIFICATE

*This is to certify that*

***Mr. Punit Soni*** with

*Enrollment number IU2454520053 Semester 2 has*

*successfully completed his/her laboratory experiments in the **Block***

***Chain Technology and Security (MSCY0206)*** from the department of

***IICT-M.sc cyber security*** during the academic year 2024 - 25

Date of Submission:

Staff in charge: Mr. Anjani Tiwari

Head of Department:

## **TABLE OF CONTENTS**

<b>Sr.No</b>	<b>Experiment Title</b>	<b>Page no.</b>	<b>Date</b>	<b>Signature</b>
1	Hands-on session explaining the structure of a blockchain.	1	21/01/2025	
2	Group activity to identify and analyze potential blockchain use cases.	3	28/01/2025	
3	Understanding the Structure of a Block.	8	04/02/2025	
4	Introduction to Basic Smart Contract Development.	11	11/02/2025	
5	Exploring and Configuring Security Settings on a Blockchain Network (Ethereum - Ganache Approach).	12	18/02/2025	
6	Group activity to identify potential threats to a blockchain network.	15	25/02/2025	
7	Practical Session on Privacy and Anonymity Features in a Blockchain.	19	04/03/2025	
8	Hands-on Security Auditing Exercises on Smart Contracts.	22	11/03/2025	
9	Case Study Analysis of Regulatory Compliance Challenges in Blockchain.	25	01/04/2025	
10	Practical activity where participants set up and interact with a blockchain network.	27	08/04/2025	