

CERTIFICATE

This is to certify that
Dr./Mr./Mrs is a
bonafide student of our Institution and is
permitted to attend the workshop.

Date: _____ Signature of
Principal / HoD with seal

ADDRESS FOR COMMUNICATION

Mr. S. Surendran HOD - CSE,
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SCOPE

The scope of Network Security and Blockchain technology is vast and transformative, addressing critical needs in various sectors. Network Security focuses on protecting data integrity, confidentiality, and availability across digital networks through measures like firewalls, encryption, intrusion detection systems, and secure protocols.

Blockchain technology, with its decentralized and immutable ledger, enhances security, transparency, and trust in transactions.

It is applied in finance for secure transactions, in supply chain management

for traceability, and in healthcare for secure patient data sharing.

PROGRAMME SCHEDULE

Module 1: Planning and Requirements

- Define project objectives and scope
- Identify key security and blockchain requirements
- Gather stakeholder inputs and define success criteria

Module 2: Network Security Design

- Design network architecture with security considerations
- Choose appropriate security protocols and technologies
- Develop security policies and procedures

Module 3: Blockchain Design and Setup

- Select blockchain platform
- Design blockchain architecture and consensus mechanism
- Set up blockchain nodes and network

Module 4: Security Implementation

- Implement firewalls, encryption, and secure protocols
- Set up intrusion detection and prevention
- Develop and configure access control

Module 5: Blockchain Development

- Develop smart contracts and decentralized applications (DApps)
- Integrate blockchain with existing systems
- Ensure data integrity and transaction security

Value Added Course On

“NETWORK SECURITY AND BLOCK CHAIN”

13 TO 15 OCTOBER 2021

Organized by

DEPARTMENT OF COMPUTER
SCIENCE AND ENGINEERING

“TAGORE ENGINEERING COLLEGE”



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ABOUT THE INSTITUTION

Welcome to Tagore Engineering College. Ours is a community centered on our student's success, Providing them with exceptional them with exceptional experiences and connections to successful careers .Adverse graduate student body benefits from classroom and other Intellectual. Opportunities in robust programs .

Together our, faculty graduates students , and undergraduate concentrators comprise a vibrant community of Engineering scholars at Tagore Engineering College.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering, established in 1998 offers both UG (B.E – Computer Science & Engineering) and PG (M.E- Computer Science & Engineering) programs. It provides an outstanding academic environment complemented by excellence in teaching. The department with qualified, experienced and dedicated faculty strength of Professors, Associate Professors and Assistant Professors sufficiently caters to its requisite teaching and research requirements. Since its inception, the department has progressed with a vision and a strong commitment in developing competent programmers with uncompromising standard of excellence in training, both class room and hands on sessions. The department has well equipped computing laboratories and a rich repository of software covering a wide spectrum of applications.

ABOUT THE WORKSHOP

The aim of the workshop is to give an insight of Network Designing and block chain applications and its applications of the same to the academicians.

Chief Patron	: Prof. Dr. M. Mala Chairperson
Patron	: Dr. R. Ramesh Principal
Convenor	: Dr. S. Surendran Professor & Head, CSE