

Introduction to Blockchain Technology and Applications

1 Weeks / 10 Hrs. (2 Hrs. per day)

Medium of Instruction: Bilingual (English & Hindi)

Objective

In the last few years, Blockchain technology has generated massive interest among governments, enterprises, and academics, because of its capability of providing a transparent, secured, tamper-proof solution for interconnecting different stakeholders in a trustless setup. This Subject will cover the basic Design principles of Blockchain Technology and its application.

Pursuing Graduation /Graduate/Post Graduate

/Open to all

Eligibility

Prerequisite

- ✓ Candidate must have latest computer/laptop
- ✓ Internet connection Rs.
- ✓ 500/- +GST

Course Fees

Certificate

Certificate will be provided to the participants after the online test, conducted at the end of the course.

- ✓ Instructor-led live classes
- ✓ Instructor-led hands-on lab sessions.
- ✓ Content Access through e-learning portal
- ✓ Assessment and Certification

Methodology

Intended

College students who are planning to start their projects in Blockchain can take up this course to learn about Smart contract development, deployment and functioning in public Blockchain.

The learner will learn basic Cryptoprimitives, Evolution of Blockchain technology, Elements of Blockchain, Blockchain consensus, Applications of Blockchain.

Outcome

Course Content

SNo	Course Outline	Hours
01	Introduction to Blockchain Technology and its Importance	1 hr
02	Basic Crypto Primitives I – Cryptographic Hash & Digital signature	1 hr
03	Elements of a Blockchain	1 hr
04	Blockchain Consensus	2hr
05	Blockchain Applications	5 hrs
	Total	10 hrs

Faculty

Ms Rashmi Mandal (Vijayvergiya)	Ms Debapriya Bhattacharyya	Ms Krishnakali Kar Khan
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