



Jansons Institute of Technology

Karumathampatti, Coimbatore – 641 659
Approved by AICTE and Affiliated to Anna University
An ISO 9001:2015 certified institution

Industry Readiness Course / Value Added Course
Syllabus
Department of Computer Science and Engineering
INTRODUCTION TO BLOCKCHAIN TECHNOLOGIES
2017 - 2018 (Odd)

Course Objectives:

- To understand the basics of block chain technologies.
- To understand about Bit coins.
- To study about block chain applications.

Course Outcomes:

- The student understands basic knowledge about block chain technologies.
- The student understands basic knowledge about bit coins with block chain technologies.
- The student understands block chain applications.

Syllabus:

Module I: Introduction to Block Chain

10

Introduction to Block Chain - Cryptographic concepts - Hashing public key cryptosystems.

Module II: Introduction to Bit coin

10

Introduction to Bit coin Block chain - Use cases of Bit coin Block chain - Downside of Bit coin mining - The real need for mining.

Module III: Blockchain Applications

10

Byzantine Generals Problem - Uses of Block chain in E-Governance - Land Registration & Medical Information Systems.

Approved By

Mr. M. Sharrath
Assistant Professor / CSE

IRC / VAC Coordinator

Approved By

Mrs. A. Rathika,
Head /CSE

Head of Department

Approved By

PRINCIPAL
JANSONS INSTITUTE OF TECHNOLOGY
KARUMATHAMPATTI
COIMBATORE - 641 659,