



**KRUPANIDHI GROUP OF INSTITUTIONS**  
(AICTE Approved | ISO 9001-2015 Certified)

**Report for**

**Value Added Course**

**CRYPTO CURRENCY**

**For the Academic Year**

**2018-2019**

**KRUPANIDHI GROUP OF INSTITUTIONS**

12/1, Chikka Bellandur, Carmelaram Post Varthur Hobli,  
Off Sarjapur Rd, Bengaluru, Karnataka 560035



*Manish*  
**Principal**

Krupanidhi Group of Institutions  
12/1 Chikkabellandur Village,  
Carmelaram Road Post Varthur Hobli  
Bangalore - 560 035



# KRUPANIDHI GROUP OF INSTITUTIONS

(Dept. of Management Studies)

## CERTIFICATE OF COMMENDATION

The Krupanidhi Group of Institutions Congratulates Swathi B.V  
for attending the Value Added Program on Crypto Currency  
conducted from 2018 - 2019 by the Resource Mentor Rama Lakshmi

Best wishes for your future endeavours!



Zeeb  
Convener

[Signature]  
Director

[Signature]  
Principal

Krupanidhi Group of Institutions  
12/1 Chikkabellandur Village,  
Carmelaram Road Post Varthur Hobli

Bangalore - 560 035



## KRUPANIDHI GROUP OF INSTITUTION

### CIRCULAR

Date: 10.09.2018

All the students are hereby informed to enroll for the Certificate / Value Added Program: Crypto currency on or before 15.09.2018 with Course Coordinator Ms.Ramalakshmi. The Program will start on 17.09.2018.

**Principal**

**Principal**

Krupanidhi Group of Institutions  
12/1 Chikkabellandur Village,  
Carmelaram Road Post Varthur Hobli  
Bangalore - 560 035





## Krupanidhi Group of Institution

### Add-on program Syllabus 2018-19

#### Crypto-Currencies

A crypto currency (or crypto currency or crypto for short) is a digital asset designed to work as a medium of exchange wherein individual coin ownership records are stored in a ledger existing in a form of computerized database using strong cryptography to secure transaction records, to control the creation of additional coins, and to verify the transfer of coin ownership. It typically does not exist in physical form (like paper money) and is typically not issued by a central authority. Crypto currencies typically use decentralized control as opposed to centralized digital currency and central banking systems. When a cryptocurrency is minted or created prior to issuance or issued by a single issuer, it is generally considered centralized. When implemented with decentralized control, each cryptocurrency works through distributed ledger technology, typically a block-chain that serves as a public financial transaction database.

**Learning Objectives:** Upon successfully completing this course, students will be able to

- To understand what Blockchain is and why it is used
- To be able to explain the different components involved within Blockchain
- To know when and why you may want to use Blockchain within your environment
- To master at a high level what cryptocurrency is

#### SYLLABUS

##### UNIT 1: Intro to cryptography & crypto currencies (4 hours)

- Define cryptography
- Define Cryptocurrency
- Define Bitcoin
- \* Bitcoin Protocols

##### UNIT 2: Bitcoin Protocols (4hours)

- Bitcoin Applications
- Bitcoin Security
- Bitcoin Regulations

##### UNIT 3: Bitcoin mining mechanics (10 hours)

- Bitcoin mining strategy
- Bitcoin attacks
- Bitcoin community

##### UNIT 4: Real World applications (6 hours)

  
**Principal**

Krupanidhi Group of Institutions  
12/1 Chikkabellandur Village,  
Carmelaram Road Post Varthur Hobli  
Bangalore - 560 035



Legal Aspects

Applications of crypto-currencies and block-chains in traditional finance

**UNIT 5: Reporting (6 hrs)**

Smart property, data feeds, and public randomness



*Pranesh*  
**Principal**

Krupanidhi Group of Institutions  
12/1 Chikkabellandur Village,  
Carmelaram Road Post Varthur Hobli  
Bangalore - 560 035



## KRUPANIDHI GROUP OF INSTITUTION

### CERTIFICATE / VALUE-ADDED COURSE REPORT

Date: 24.11.2018

1. Name of the Program : Crypto currency
2. Program Start Date : 17.09.2018
3. Program End Date : 24.11.2018
4. Total Duration of the Program : 30 hrs
5. No. of Students Enrolled : 50
6. Course Coordinator of the Program : Ms.Ramalakshmi
7. No. of Unit Exams Conducted : 2
8. Date of the Final Examination : 24.11.2018
9. Maximum Marks for Final Exam : 50
10. Eligibility for Certificate : 50%
11. Total number of Students Eligible for Certificate: 50

**Course Coordinator**



*Praveesh*  
Principal

*Praveesh*  
Principal

Krupanidhi Group of Institutions  
12/1 Chikkabellandur Village,  
Carmelaram Road Post Varthur Hobli  
Bangalore - 560 035