Blockchain Honor Degree Sem VII

HBCC 601 : Blockchain Platforms

Instructor : Mrs. Lifna C S

Topics

1. **Blockchain Honor Degree Sem VII Course Scheme**

2. HBCC 601 : Blockchain Platforms - Course Objectives & Outcomes

3. HBCC 601 : Blockchain Platforms- TextBooks, References & Online Resources

4. HBCC 601 : Blockchain Platforms- Assessment

Blockchain Honor Degree Sem VII Course Scheme

Year & Sem	Course Code and Course Title	Teaching Scheme Hours / Week			Examination Scheme and Marks							Credit Scheme
		Theory	Seminar / Tutorial	Pract	Internal Assessment		End Sem Exam	Term Work	Oral/ Pract	Total		Credits
					Mid Term	Continuous Assessment						
TE Sem. VI	HBCC601: Blockchain Platform	04	--	--	20	20	60	--	--	100		04
	Total	04	-	-	100			-	-	100		04
Total Credits = 04												

Course Objectives:

1	Understand the blockchain platform and its terminologies.
2	Understand smart contracts, wallets, and consensus protocols
3	Design and develop decentralized applications using Ethereum, and Hyperledger
4	Creating blockchain networks using Hyperledger Fabric deployment
5	Understand the considerations for creating blockchain applications.
6	Analyze various Blockchain Platforms.

Course Outcomes:

1	Explain the Blockchain platform and its types
2	Create Public Blockchain using Ethereum.
3	Develop Smart Contracts using REMIX IDE.
4	Apply the concept of private blockchain using Hyperledger.
5	Analyze different types of blockchain platforms
6	Deploy Enterprise Applications on Blockchain

HBCC 601 : Blockchain Platforms - Assessment (100 Marks)

Direct Assessment

- End Semester Exam (Full syllabus, Duration : 2 hours) : **60 Marks**
- Internal Assessment : **40 Marks**
  - Mid Term Test (50% syllabus, Duration : 1 hour) - **20 marks**
  - Continuous Assessment - **20 marks**

Indirect Assessment (Case Study) - 25 Marks

Rubrics considered for Continuous Assessment from Syllabus :

1. ****Multiple Choice Questions (Quiz) (Slow Learners)** - **5 marks (2 set of MCQ's)**
2. Literature review of papers/journals - 5 marks
3. Participation in event / workshop / talk / competition - 5 marks
4. Wins in the event/competition/hackathon - 10 marks
5. ****Case study, Presentation, group discussion** - **10 marks**
6. Question paper solution (Slow Learners) - 10 marks
7. Certificate course NPTEL/ Coursera/Udemy/any MOOC(4 weeks +) - 10 marks
8. Content Beyond Syllabus - 10 marks
9. Creating Proof of Concept - 10 Marks
10. Mini Project / Extra Experiment / Virtual Lab - 10 marks

** Conditions Apply - Refer Syllabus

1. Blockchain Technology, Chandramouli Subramanian, Asha A George, Abhillash K. A and Meena Karthikeyen, Universities press.
2. Mastering Ethereum, Building Smart Contract and Dapps, Andreas M. Antonopoulos, Dr. Gavin Wood, O'reilly.
3. Blockchain for Beginners, Yathish R and Tejaswini N, SPD
4. Blockchain Basics, A non Technical Introduction in 25 Steps, Daniel Drescher, Apress.
5. Blockchain with Hyperledger Fabric, LucDesrosiers, Nitin Gaur, Salman A. Baset, Venkatraman Ramakrishna, Packt Publishing
6. Blockchain By Example, BellajBadr, Richard Horrocks, Xun (Brian) Wu, November 2018, Implement decentralized blockchain applications to build scalable Dapps.
7. Blockchain for Business