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| **Prasad V. Potluri Siddhartha Institute of Technology** |
| **Department of Computer Science and Engineering** |
| **Course: B. Tech** | **Year: III** | **Semester: II** | **Assignment: I & II** | **A.Y:2024-25** |
| **Subject Code: 20CS4601C** | **Subject Name: Block Chain Technology** | **Regulation:PVP20** |
| **CLASS : III CSE S2** | **Maximum Marks:5 Marks** |  |
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Students need to select an Usecase to design a block chain based solution for real world example. This task covers the course outcomes (CO1, CO2, CO3, CO4) at Blooms Taxonomy L4(Analyze).

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| CO1 | Understand the key dimensions of Block chain Technology | L2 |
| CO2 | Apply the principles of Block chain for a given application | L3 |
| CO3 | Apply the features of Ethereum and Hyperledger to develop various applications | L3 |
| CO4 | Analyze the given scenario and design a block chain based solution. | L4 |

**Rubric for Blockchain Usecase Submission**

| **Feature** | **Criteria** | **Points** |
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| **1. Usecase novelty** | - Originality of the idea (5 points)- Feasibility and potential impact of the usecase (3 points) - Innovative application of blockchain technology (2 points) | **/10** |
| **2. Video presentation** | - Clear and engaging explanation of the usecase (5 points)- Demonstrates practical implementation or prototype or Architecture (3 points) -Presentation quality (e.g., visuals, audio clarity) (2 points) | **/10** |
| **3. Documentation**  | - Complete, well-structured documentation with all required sections (5 points)- Adherence to formatting and submission rules (3 points)- Clarity and conciseness of the content (2 points) | **/10** |
| **4. Punctuality**  | - Submission of document on or before the deadline (4 points)- Full participation in all required sessions/events (4 points)- Submission of Google form on or before the deadline (2 points) | **/10** |

**Assignment 1 – 5 marks**

- (Feature 1+ Feature 2)/4 > 75% - 5 marks, 70-75% - 4 marks, 60-70% - 3 marks, 50-60% - 2 marks, 40-50% - 4, marks <40% - 0 marks

**Assignment 2– 5 marks**

- (Feature 3+ Feature 4)/4 > 75% - 5 marks, 70-75% - 4 marks, 60-70% - 3 marks, 50-60% - 2 marks, 40-50% - 4, marks <40% - 0 marks

**Signature of Course Coordinator**