End-Term Examination

Course Name: Introduction to Blockchain and Cryptocurrency (Code: CS577)

Marks: 20

Make appropriate assumption if necessary.

1. Explain re-enterancy attack in smart contract using a suitable solidity code example. **[4 points]**
2. Given a smart contract that is vulnerable to re-enterancy attack. Suggest a possible solution to detect its presence in the smart contract. **[6 marks]**
3. Propose a solution sketch (**using schematic diagram and its brief description**) to demonstrate the use of blockchain technology to establish a secure & trustful mechanism for storing Aadhaar-details and Aadhaar-based user-identity validation. **[10 marks]**