

Indian Institute of Information Technology Sri City, Chittoor

Question Set-2

End Exam: WAD

Date: 25-04-2021

Duration: 100 minutes

Time: 3.00 PM - 4.40 PM

Instructions:

- All questions are mandatory.
 - Exam duration is **90 minutes** for writing, and for scanning and submission of the answer sheets is **10 minutes**
 - Answer Sheets should be scanned and submitted in a **single file** with the file name should be **Your-Roll-No_Set_No.pdf**
 - Once complete submit the answer sheet in the google classroom.
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1) For the project description given below write the following:

- a. Write a use case diagram for the donors and BloodCare system with an explanation. 5M
- b. Write the sequence diagram for the user buying the blood unit using BloodCare with an explanation. 5M
- c. Write a pseudo code to implement **one unit** in the front end or back end or the interface. Write a small unit test for the pseudo code you have written. Clearly explain the motivation and how you are doing the unit testing. 5M
- d. Write a pseudocode at least for **two subcomponents of the same module**. Write an integration test for the pseudo code you have written. Clearly explain the motivation and how you are doing the integration testing. 5M

Title of the Project: BloodCare

Brief Description of Project: A project based on the blood donation concept. Users can get near-by donors and near-by blood banks. Using this website, users can buy the blood units required for them by paying online.
