

BACHELOR OF TECHNOLOGY IN CT AND CCN

OOAD GROUP ASSIGNMENT

1. **Group One**

Draw a sequence diagram for an airline reservation system

2. **Group Two**

Draw a class diagram for an airline reservation system

3. **Group Three**

Draw an object diagram for an online student registration system

4. **Group Four**

Draw a Use case diagram for withdrawing cash (from a personal account) at an ATM (automatic teller machine)

5. **Group Five**

Draw an activity diagram for an online shopping system.

6. **Group Six**

Draw a state chart diagram for an online student's registration system.

7. **Group Seven**

Draw a component diagram for an online shopping system.

8. **Group Eight**

Draw a collaboration diagram for an online student registration system

9. Group Nine

Draw a state chart diagram for a bank account that has the following characteristics

A new account cannot be used until a credit check has been done on the account holder and the account holder can withdraw up to \$500 per day. An account is active as long as there is money in it and there is no “hold” on it. A “hold” is put on an account if the balance becomes negative or the account has been inactive for 2 years, an account with negative balance can be reactivated by a deposit that brings the balance to zero or above

An account that has not been used for two years can be reactivated by approval from the bank manager and an account that has been inactive for 6 years is closed

Instructions

1. Each group to choose one question and work on it
2. All questions carry equal marks (i.e. 20 Marks)
3. Presentations will be done in class on 1st February 2022