



Daffodil
International
University

Department of CIS

**Subject: Project Management Essentials
Summer 2020**

Theory Part (Marks – 35)

Imagine you have been given the task of designing a Travel Management System. This system should include the minimum features of booking travel packages, options for refund and searching for guides according to location. There should be options for the customers to create an account and log in. The customer should be able to book a package with his account and hire a guide for their destination. But if they cancel the tour within a week of the travel, the customer's account will get a strike but they will be refunded. Three such strikes will result in the account not being offered further refund options for a year. The tour package information will be added by the admins. Hotel reservations are included inside the packages and the customer can choose to modify the room options while they are booking the package.

Task 1 (Design)

Marks: 18

Design the following diagrams for the scenario. You may expand the scenario or make logical inferences, but you are required to mention those -

- a) Use Case Diagram
- b) Activity Diagram
- c) Class Diagram

Task 2 (Simulation)

Marks: 12

Design a Gantt Chart for this system by first formulating the Critical Paths.

Task 3 (Critical Evaluation)

Marks: 5

Based on the previous tasks, which System model do you think is applicable for the implementation of your system? Give proper reasons to support your claim.

Submission Guidelines:

- Your submission should be in the form of a single word-processed document (**.doc** or **.docx**) that includes any necessary diagrams.
- Naming of the file as **example: 183-16-315.docx**
- **Marks will be deducted accordingly if any plagiarism of work is provided.**

DEADLINE: 15th August, 2020