

NATIONAL INSTITUTE OF TRANSPORT (NIT)

Department of Computing and Communication Technology (CCT)
Code: ITU 07302

Name: System Analysis and Design with OOP

PRESENTATION (10 Marks)

- To be done in groups of not more than ten (10) students
- You are required to work on the following **mini project** activity and prepare a 10 minutes group presentation. Out of 10 students, the Lecturer will choose one person to do a presentation on behalf of others.
- Discussion among members on how to conduct this activity is highly encouraged.
- Each member will be graded individually based on his/her participation to the project and presentation.
- Presentations will be conducted two weeks before the end of Semester.

MINI PROJECT - MAJOR TASKS

1. Think of any unique system that is useful and can solve community problem.
2. Apply the knowledge gained from this course to model your system. Simply you should be able to describe its design and analyze it using
 - (i) Functional Modeling (Use Case and Use Case Diagram)
 - (ii) Functional Modeling (Activity Diagram)
 - (iii) Structural Modeling (Class Diagram or Object Diagram)
 - (iv) Behavioral Modeling (Sequence Diagram)
 - (v) Behavioral Modeling (Behavioral State Machines)

You are advised to equally distribute the roles and responsibilities among team members. Share the knowledge and make sure you master presentation materials. Do not allow a lazy member in your group, it can cost all of you a large chunk of marks.