NEW YORK INSTITUTE OF TECHNOLOGY

College of Engineering
& Computing Sciences

Course Syllabus

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Project Requirements:

Your project for this course is to design a new ORIGINAL software design that will solve an organizational problem. Your project topic MUST be approved by me once you have established the problem statement. You must work as a team consisting of two students for this project.

Note: You are required to create this software using Java and the software must include the following requirements.

Project Deliverables:

1. Cover Sheet – Class Name, Project Name & All Student Names
2. Problem Statement (Why are you creating software? What problem do you want to solve?)
3. Project/program flow chart (https://www.techradar.com/news/best-flowchart-software)
4. Project must use an Array in one of its classes
5. Project must use a Linked List in one of its classes
6. Project must use a Stack in one of its classes
7. Project must use a Queue in one of its classes
8. Project must use a Hash Table/Map in one of its classes
9. Project must use a Binary Tree or Binary Tree Search in one of its classes
10. Project must use a Bubble Sort or Merge Sort in one of its classes
11. Screenshots of ALL system screens (data entry, menus etc.)
12. Java source code of ALL modules and classes
13. ZIP file of all project and source code uploaded to final project folder in Canvas

*** Submissions are to be typed, formatted, bound and submitted on time please! ***