UNIVERSITY OF TECHNOLOGY, JAMAICA

SCHOOL OF COMPUTING & INFORMATION TECHNOLOGY

**Module Title:** Software Implementation (CIT4001)

**Course of Study:** Bachelor of Science in Computing

***Software Development & Implementation Report Format***

1. Cover sheet
2. Names & ID numbers of members, and name & number of group.
3. Table of Contents
4. Introduction ***[10 marks]***

* Project scope & Objectives
* Clear and precise description of organization
* Clear and precise description of project
* Major functional Requirements
* Non-functional requirements
* Hardware requirements
* Major Input & Output requirements (e.g. reports)
* Design and implementation Constraints
* Description of the Design & Implementation Process (what was done, where, how, by whom, etc.)

1. Architectural Design ***[15 marks]***

(Updated Diagrams)

* Use Case Diagrams
* Class Diagram
* Swimlane Diagram(s)
* Modular Decomposition Diagram

1. Procedural Design ***[15 marks]***

* For Each Module:
* Processing Narrative – Short description of each module
* Design Language (i.e. pseudo-code) Description of each module

1. User Interface Design (Screens, menus, dialogs, queries, user feedback, etc.) ***[15 marks]***
2. Software Testing ***[30 marks]***

* What type of tests were conducted
* What were the results of testing
* How were the users involved in the testing process

1. Bibliography ***[2 marks]***
2. Appendices ***[3 marks]***

* Other Related & Relevant Documents

**Programme Manual *[100 marks]***

1. Printout of all programmes
2. Data Design

* File & Database Structure
* Database structure
* External File Structure (if any)
* Global Data (if any)

**User Manual *[100 marks]***

1. Explain the Implementation Method you employ and why you selected it over the other methods ***[10 marks]***
2. Explain who were trained and the Training Methods employed ***[10 marks]***
3. User Manual ***[80 marks]***

(Pictures should be in colour)