

BIT304 Assignment 4

Release date:	September 21, 2021
Due date:	November 22, 2021, before 2.00pm
Value:	65% of total assessment
Marks	Marked out of 100
Assessment Mode :	Group & Individual Assessment

A. Rationale

This assignment is designed to allow students to demonstrate their ability to conduct a research with detailed and proper documentation. The assignment aims to assess students on different domains i.e project management, problem solving, research methodology, technical development, testing and evaluation.

On completion of this assignment, students should be able to:

CLO1: Justify a computing or IT related problem through summary and critical evaluation of areas relevant to the project by research on existing literature

CLO2: Integrate appropriate methodologies, tools and techniques in the development of a computing/IT project to solve identified IT related problem for an organisation

CLO3: Prepare technical documentation and presentations to a varied audience

B. Question

Prepare a requirements definition report that consists of the following items (not limited to):

- Abstract
- Proposal
- Project Management Plan
- Requirement Analysis
- Iterations
- Conclusion
- Project Evaluation

Refer to the requirements definition template given for more details.

C. Items to be submitted

1. A soft copy of word document to HELP Learning Management System (HLMS)

D. Please note:

1. Refer to the template given for the required formatting style.
2. Please ensure that your work has been proof-read for spelling and grammatical construction.
3. If you are not clear about the assignment requirements, please contact the lecturer in charge of the subject.
4. Keep a copy of each assignment you submit.
5. You must not copy any materials from another student. The minimum penalty which will be imposed in such cases is to give both students zero for the assignment.
6. You may refer material from textbooks or references, but you must acknowledge the quotation, no matter how brief. Failure to do so will result in zero marks being awarded for the assignment. Refer to the Academic Integrity Policy.
7. There is no need to include the assignment question in your submitted work.

E. Submission of assignment

1. The assignment should be accompanied by a completed assignment cover sheet and marking scheme
2. Only ONE submission is allowed. No re-submission will be accepted in HLMS.
3. A penalty of 5 marks per working day deduction from the marks obtained for this assignment will be imposed for late submission.

BIT304 Assignment 4 Marking Scheme (65%)**Student ID** :**Student Name** :**A. Project Plan (CLO1)**

Assessment Area (Group)	Poor	Satisfactory	Good	Excellent	Marks
Project Significance (Project background, aims and objectives) (4)					
Strategic Plan (Methodology and development techniques) (4)					
Work Plan (Work item list and Gantt chart) (4)					
Resource Plan (Technical requirements, resource requirements) (2)					
Risk Management Plan (2)					
Sub-total (/16 marks)					

B. Requirements Analysis (CLO2)

Assessment Area (Group)	Poor	Satisfactory	Good	Excellent	Marks
Functional Requirements (3)					
Non-Functional Requirements (3)					
Sub-total (/6 marks)					

C. Iterations (CLO2)

Assessment Area (Individual)	Poor	Satisfactory	Good	Excellent	Marks
Iteration Plans (4)					
Analysis Artefacts e.g. High Level Use Cases, Expanded Use Cases, Analysis Class Diagram/ Context Diagram, etc. (6)					
Design Artefacts e.g. Sequence Diagrams/Data Flow Diagrams, Database design, Web-based structural design, Interface design (6)					
Sub-total (/16 marks)					

D. Implementation/Testing (CLO2)

Assessment Area (Individual)	Poor	Satisfactory	Good	Excellent	Marks
Implementation & Prototype Development (14) (Reliability, Usability, Performance)					
Testing (10)					
Iteration Progress, Review and Evaluation (8)					
Complexity ¹ (6)					
Sub-total (/38 marks)					

E. Project Evaluation (CLO2)

Assessment Area (Individual)	Poor	Satisfactory	Good	Excellent	Marks
Evaluation of objectives, list of challenges, limitations and issues highlighted (4)					
Solutions - corresponding solutions to overcome problems, further improvements and future works (4)					
Sub-total (/8 marks)					

F. Reports (CLO3)

Assessment Area (Group)	Poor	Satisfactory	Good	Excellent	Marks
Abstract (2)					
Monthly Progress reports (2)					
Minutes of meetings (2)					
Supervisor Meeting Reports (2)					
Sub-total (/8 marks)					

¹ Based on use case worked by students. Complexity of the system developed depends on the functionalities, algorithms and technologies incorporated in developing the system. System with only CRUD (Create, Read, Update, Delete) functionalities is not considered to be complex.

G. Documentation & Formatting (CLO3)

Assessment Area (Group)	Poor	Satisfactory	Good	Excellent	Marks
Table of Contents List of Tables List of Figures List of Symbols and Abbreviations (1)					
Formatting of report (1)					
Bibliography (6)					
Sub-total (/8 marks)					

Total (A + B + C + D + E + F + G)**Late submission****Final Total (/100 marks)****Total (65%)**