

**OpenProject Output for
DOST-STII: CitiSense**

Project Documentation Submitted to the Faculty of the
School of Computing and Information Technologies
Asia Pacific College

In Partial Fulfillment of the Requirements for
Systems Analysis and Detailed Design
MSYADD1

Submitted by:

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G07 QuadThink – SF 231

Submitted to:

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Course Instructor

August 2025

1st Term

A.Y. 2025 – 2026

INITIAL BUDGETS

1 – Initiation Phase

1. Initiation Phase Budget

Added by Mark Marabi 30 days ago. Updated 17 days ago.

Cost type

Budget

Fixed date

08/11/2025

Spent (ratio)

2% Total progress

Description

This task involves preparing an initial financial outline for the project during the initiation phase. The goal is to estimate and allocate resources required to successfully launch the project, including costs for research, tools, documentation, and client engagement activities.

UNITS			
Planned unit costs			
UNITS	COST TYPE	COMMENT	BUDGET
20.00	Transportation expenses Php 100	For gas and commute money	PHP 2,000.00
0.10	Contingency Reserve		PHP 1,000.00
1.00	Office Supplies Php100	Document printing, and writing materials	PHP 100.00
			PHP 3,100.00
Actual unit costs			
WORK PACKAGE	UNITS	COST TYPE	COSTS
Task-#1617: 1.0.1 Prospective Client Discovery	5.00	Transportation expenses Php 100	PHP 500.00
Task-#1627: 1.0.2 Finalize choice of IIP/PBL Client	5.00	Transportation expenses Php 100	PHP 500.00
Summary-Task-#1625: 1.2 PM Foundations Ch 2 Initiate a p...	4.00	Food Allowance	PHP 400.00
			PHP 1,400.00

LABOR			
Planned labor costs			
HOURS	USER	COMMENT	BUDGET
100.00 hours	 Gabrielle Cabangcala		PHP 30,000.00
100.00 hours	 Lorenzo Bernal		PHP 35,000.00
100.00 hours	 Luis Lazaro		PHP 30,000.00
100.00 hours	 Mark Marabi		PHP 40,000.00
			PHP 135,000.00
Actual labor costs			
WORK PACKAGE	HOURS	USER	COSTS
Task-#1626: 1.1 Design Thinking Stage 1: Empathize	6.00 hours	 Mark Marabi	PHP 600.00
Task-#1632: 1.2.3 Create Scope	2.00 hours	 Mark Marabi	PHP 200.00
Task-#1634: 1.2.2 Create Objectives	3.00 hours	 Mark Marabi	PHP 300.00
Task-#1633: 1.2.4 Create Stakeholder Analysis	5.00 hours	 Mark Marabi	PHP 500.00
Task-#1636: 1.2.1 Create Charter	2.00 hours	 Mark Marabi	PHP 200.00
			PHP 1,800.00

2 – Planning Phase

2. Planning Phase Budget

Added by Mark Marabi 30 days ago. Updated 8 days ago.

Cost type

Budget

Fixed date

08/11/2025

Spent (ratio)

4% Total progress

Description

Defining financial needs for the planning phase of the creation CitiSense automated sentiment analysis system.

UNITS			
Planned unit costs			
UNITS	COST TYPE	COMMENT	BUDGET
0.10	Contingency Reserve		PHP 1,000.00
20.00	Transportation expenses Php 100	For gas and commute money	PHP 2,000.00
5.00	Office Supplies Php100	For printing documents, whiteboards, and writing materi...	PHP 500.00
1.00	Cloud Services Monthly Subscription	Cloud storage subscription	PHP 283.00
			PHP 3,783.00
Actual unit costs			
WORK PACKAGE	UNITS	COST TYPE	COSTS
Summary-Task-#4625: 2.3.1 Dataflow Diagrams	3.00	Miscellaneous Php100	PHP 300.00
Summary-Task-#4417: 2.2 Design Thinking Stage 3: Ideate	2.00	Office Supplies Php100	PHP 200.00
			PHP 500.00

LABOR			
Planned labor costs			
HOURS	USER	COMMENT	BUDGET
100.00 hours	 Gabrielle Cabangcala		PHP 30,000.00
100.00 hours	 Lorenzo Bernal		PHP 35,000.00
100.00 hours	 Luis Lazaro		PHP 30,000.00
100.00 hours	 Mark Marabi		PHP 40,000.00
			PHP 135,000.00
Actual labor costs			
WORK PACKAGE	HOURS	USER	COSTS
Summary-Task-#4417: 2.2 Design Thinking Stage 3: Ideate	24.00 hours	 Lorenzo Bernal	PHP 2,400.00
Summary-Task-#4411: 2.4 Allocate Resources	8.00 hours	 Lorenzo Bernal	PHP 800.00
Summary-Task-#4602: 2.6 Set deadlines	3.00 hours	 Lorenzo Bernal	PHP 300.00
Summary-Task-#4412: 2.5 Develop strategies for managing risks	2.00 hours	 Lorenzo Bernal	PHP 200.00
Summary-Task-#3992: 2.1 Design Thinking Stage 2: Define	3.00 hours	 Lorenzo Bernal	PHP 300.00
			PHP 4,900.00

ROADMAP

1 – Project Setup and Direction

Project Setup and Direction

Identifying stakeholders and their needs, defining project goals, and planning tasks and timelines.

 97% Total progress

32 closed (97%) 1 open (3%)

^ RELATED WORK PACKAGES

- ~~Phase #394~~: 1.0 Initiation Phase
- ~~Phase #395~~: 2.0 Planning Phase
- ~~Task #431~~: 2.3.3 Entity Relationship Diagrams
- ~~Task #434~~: 2.3.1.1 Context Diagram
- ~~Task #435~~: 2.3.1.2 Dataflow Diagram Level 1
- ~~Task #436~~: 2.3.2.1 Use Case Diagram
- ~~Task #436~~: 2.3.1.2.1 Dataflow Diagram Level 2.1
- ~~Task #439~~: 2.3.1.2.2 Dataflow Diagram Level 2.2
- ~~Task #441~~: 2.3.2.1.2 Use Case Fully Dressed 2.3.2.1.2
- ~~Task #442~~: 2.3.2.1.1.1 Test Case for UCD 2.3.2.1.1
- ~~Task #1017~~: 1.0.1 Prospective Client Discovery
- ~~Task #1027~~: 1.0.2 Finalize choice of IIP/PBL Client
- ~~Task #1020~~: 1.1 Design Thinking Stage 1: Empathize
- ~~Task #1030~~: 1.2.1 Create Charter
- ~~Task #1031~~: 1.2.2 Create Objectives
- ~~Task #1032~~: 1.2.3 Create Scope
- ~~Task #1033~~: 1.2.4 Create Stakeholder Analysis
- ~~Task #1037~~: 1.0.3 Initial Client Interview
- ~~Task #2005~~: 2.3.1.2.3 Dataflow Diagram Level 2.3
- ~~Task #2006~~: 2.3.1.2.4 Dataflow Diagram Level 2.4

2 – Development and Delivery Phase

Development and Delivery Phase

Doing planned tasks, and delivering project outputs

 50% Total progress

2 closed (20%) 8 open (80%)

^ RELATED WORK PACKAGES

- ~~Phase #396~~: 3.0 Executing Phase
- ~~Phase #2214~~: 3.1.2 User Story 02
- ~~Phase #2216~~: 3.1.2.1 Feature 01
- ~~Phase #2217~~: 3.1.2.1 Task 01
- ~~Task #410~~: 3.1 Design Thinking Stage 4: Prototype
- ~~Task #419~~: 3.2 Design Thinking Stage 5: Test
- ~~Task #437~~: 3.1.1.1.1 Task 01
- ~~Epic #401~~: 3.3 Epic 01
- ~~Feature #433~~: 3.1.1.1 Feature 01
- ~~User story #423~~: 3.1.1 User Story 01

3 – Managing Progress

Managing Progress

Tracking progress, comparing it to the plan, and identifying any deviations or issues.

 0% Total progress

0 closed (0%) 5 open (100%)

^ RELATED WORK PACKAGES

- [Phase #397: 4.0 Monitoring and Controlling](#)
- [Task #402: 4.1 Tracking progress](#)
- [Task #407: 4.2 Comparing it to the plan](#)
- [Task #408: 4.3 Identifying any deviations or issues](#)
- [Task #409: 4.4 Measuring performance](#)

4 – Finalization Phase

Finalization Phase

External testing phase, involving a wider audience to gather feedback on usability and performance.

 0% Total progress

0 closed (0%) 7 open (100%)

^ RELATED WORK PACKAGES

- [Phase #398: 5.0 Closing Phase](#)
- [Task #403: 5.1 Completing all tasks](#)
- [Task #404: 5.2 Obtaining final approvals](#)
- [Task #405: 5.3 Archiving project documentation](#)
- [Task #406: 5.4 Conducting a final review](#)
- [Task #410: 5.5 Project Turnover](#)
- [Sub Task #432: 5.1.1 User Acceptance Test Completions](#)


WORK PACKAGE

WBS:	2.1
Work Package:	2.1 Design Thinking Stage 2: Define
Package Owner:	QuadThink
Owner Organization:	DOST-STII IRAD
Participants:	<ul style="list-style-type: none"> Mark Lyster Marabi Lorenzo Emil Bernal Gab Cabangcala Luis Lorenzo Lazaro
Description:	Identify the problems and pain points of the client to better see the bigger picture of the overall problem.
Completion State:	Completed main problem statements and "How Might We" statements. This will guide us for the ideation process in Design Thinking Stage 3.
Assumptions:	<ul style="list-style-type: none"> Stakeholders (IRAD – DOST-STII) can adopt a full working automated system in their current workflow. We believe the current manual sentiment analysis workflow of IRAD is very tedious and repetitive.
Risks:	<ul style="list-style-type: none"> The AI model behind the automated sentiment analysis system might yield inaccurate results, as human language, primarily English and Tagalog, has semantic meaning and sarcasm that the model might not identify or generalize well to. There might be an issue regarding the integration of the system in the current sentiment analysis workflow.
Risk Mitigation:	<ul style="list-style-type: none"> The AI model must be picked carefully and fine-tuned to handle both English and Tagalog. In the case of unavoidable circumstances, such as the model not generalizing well to Taglish, there might be a need for transparency, which might lead to inaccurate results The system must be simple enough for IRAD employees to adopt it seamlessly in their workflow.
Budget:	
Reference Docs:	QuadThink_Design Thinking Stages Final Documentation.pdf


PEOPLE

Assignee	 Lorenzo Bernal	Responsible*	 Lorenzo Bernal
Accountable	 Mark Marabi		

ESTIMATES AND PROGRESS

Work	1h	Remaining work	0h
% Complete	100%	Spent time	1h 

DETAILS

Priority *	 Normal	Date	no start date - no finish date
Project phase	 Planning	Category	-
Version	Initiation and planning		

COSTS

Spent units	-	Labor costs	PHP 100.00
Unit costs	-	Overall costs	PHP 100.00
Budget	2. Planning Phase Budget		

BOARDS

1 – Initiation Phase

01 Initiation Phase



To Do

Doing

For Review

Done

Closed

#1836 - APC_2025_2026_T1...

1.4 Define Timelines

LL

Aug 06, 2025 - Aug 14, 2025

Closed

#1834 - APC_2025_2026_T1...

1.2.5 PM Foundations Ch 2 Initiate a project Completed

MM

Closed

#1837 - APC_2025_2026_T1...

1.0.3 Initial Client Interview

MM

Aug 06, 2025 - Aug 14, 2025

Closed

#1827 - APC_2025_2026_T1...

1.0.2 Finalize choice of IIP/PBL Client

MM

Aug 06, 2025 - Aug 14, 2025

Closed

#1817 - APC_2025_2026_T1...

1.0.1 Prospective Client Discovery

MM

Aug 06, 2025 - Aug 14, 2025

2 – Planning Phase

02 Planning Phase

To Do

Doing

For Review

Closed

#430 - APC_2025_2026_T1...

SUMMARY TASK 2.3.2 Use Cases

LL

Jun 06, 2025 - Jun 09, 2025

Closed

#429 - APC_2025_2026_T1...

SUMMARY TASK 2.3.1 Dataflow Diagrams

GC

Done

Closed

#417 - APC_2025_2026_T1...

SUMMARY TASK 2.2 Design Thinking Stage 3: Ideate

LB

Aug 30, 2025 - Sep 02, 2025

Closed

#399 - APC_2025_2026_T1...

SUMMARY TASK 2.1 Design Thinking Stage 2: Define

LB

Closed

#435 - APC_2025_2026_T1...

TASK 2.3.1.2 Dataflow Diagram Level 1

GC

Closed

#419 - APC_2025_2026_T1...

TASK 3.2 Design Thinking Stage 5: Test

GC

Closed

#438 - APC_2025_2026_T1...

TASK 2.3.1.2.1 Dataflow Diagram Level 2.1

GC

Closed

#439 - APC_2025_2026_T1...

TASK 2.3.1.2.2 Dataflow Diagram Level 2.2

GC

Closed

#440 - APC_2025_2026_T1...

SUMMARY TASK 2.3.2.1.1 Documents for Test Cases 2.3.2.1.1

LL

Jun 06, 2025 - Jun 09, 2025

