

THE CATHOLIC UNIVERSITY OF EASTERN AFRICA (AMECEA)

RESEARCH PROJECT LOG BOOK

FOR

COMPUTER AND INFORMATION SCIENCE DEPARTMENT

(REVISED -October 2021)

(TO BE SUMITTED TO THE PROJECT COORDINATOR AT THE END OF THE RESEARCH PROJECT)

**INSTRUCTIONS**

1. **For the Student**

Enter your student details on the designated page. Then take this Log Book to the project coordinator for the official assignment of the supervisor. Have your supervisor sign when major steps are completed as indicated in the relevant pages of the Log Book.

At the end of the project, you are required to return and show this log book to the project coordinator. Depositing the dully completed log book with the project work and that you are ready for defense. The project coordinator will include your name on the next scheduled defense.

You must always have and produce this log book when you contact the supervisor, project coordinator, the HoD, or the Dean on Matters regarding the project work.

1. **For the Project Coordinator**

Please enter the details of the student project title, the name of the supervisor and the date of the allocation of the supervisor in the designated pages. Please sign and stamp on that page.

At the end of the project, the student will present to you this log book as evidence of completion of the project work and you will then schedule the student for defense. The completed log book becomes Department of Computer and Information Science document.

1. **For the Supervisors**

Please enter the necessary details and sign the log book every time the major project milestones are met as indicated in the log book.

|  |  |
| --- | --- |
| **Registration Number** |  |
| **Full Names** |  |
| **Cell Phone Number** |  |
| **Email Address** |  |
| **Department** |  |

**Original Project Title**

Supervisor assigned: Date assigned

1.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Coordinator

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name Sign Date

An alternative supervisor assigned (in case of change):

Date supervisor was assigned\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Reason for change of Supervisor**

Project Coordinator

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name Sign Date

**PROJECT PROGRESS**

First project meeting: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Supervisor assigned: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date assigned\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Agreed Project Title

Comments (if any)

**Supervisor signature**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Date:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter one: Introduction**

1. **First Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Second Meeting - Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Third Meeting - Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter Reviewed and Approved**

Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter 2: Review of Related Work**

1. **First Meeting - Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Second Meeting - Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. Third meeting- Key comments

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter Reviewed and Approved**

Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter 3: Research Methodology**

1. **First Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter Reviewed and Approved**

Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

1. **Second Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Third Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter Reviewed and Approved**

**Supervisor Signature**:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**Date:**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 4: System Analysis**

1. **First Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Second Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Third Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter Reviewed and Approved**

Supervisor Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 5: System Design**

1. **First Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Second Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Third Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter Reviewed and Completed:**

Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 6: System implementation and Testing**

1. **First Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Second Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Third Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Chapter Reviewed and Completed:**

Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Chapter 7: Conclusion and Recommendations**

1. **First Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Second Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
3. **Third Meeting – Key Comments**

**Signatures:**

1. Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_
2. Student signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_

**Reviewed and Approved**

Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Additional Details Reviewed and Approved**

1. Cover page
2. Declaration
3. Abstract
4. Table of Contents
5. List of Tables
6. List of Figures
7. References and Citations
8. General project format and style

Supervisor Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Project Approved for Submission and Final Defense**

Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Project Approved for Bindings:**

Supervisor signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Project Scheduled for Defense (Yes)**\_\_\_\_\_\_\_\_\_\_\_\_(No)\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**It not listed please indicate reason**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Date of Final Defense:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Project Coordinator’s Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_

**PROJECT FORMAT**

Referencing Style: APA 6th Edition

Font Type: Times New Roman

Font size: 12

Line spacing 1.5

Pagination: Bottom Centre, Preliminary pages – roman numbers,

Other pages – natural numbers (Introduction Starts from page 1)

Margins: Left – 1.5”; Right – 1”, Top – 1”, Bottom – 1”

All other document format – As per APA 6th Edition

Submit three hand cover copies and a soft copy on a Non-Rewritable CD

**PROJECT DOCUMENT STRUCTURE**

* Cover Page
* Title Page
* Declaration page
* Dedication page
* Acknowledgments
* Abstract
* Table of Contents
* List of Tables
* List of Figures
* List of Abbreviation (Acronyms)
* Chapter 1: Introduction
* Chapter 2: Literature Review
* Chapter 3: Research Methodology
* Chapter 4: System Analysis
* Chapter 5: System Design
* Chapter 6: System Implementation
* Chapter 7: Conclusion and Recommendations
* References (In APA 6th edition style)
* Appendices (Optional)

**Preliminary pages -should be numbered in romans**

* Cover page
* Declaration
* Acknowledgement
* Dedication
* Abstract
* Table of contents
* List of figures
* List of Tables
* Definition of key terms

**Chapter 1:-Introduction**

1. Motivation & background -one and half page(at least)
2. Background of research
3. Problem statement   -issues the research shall solve
4. Aim of research
5. Objectives of the research
6. Justification of research
7. Scope of research
8. Research organization

**Chapter 2: Review of related work**

1. Chapter introduction
2. History of the research topic
3. Review of related prototypes, systems [from global to local]
4. Emerging trends and patterns in the research area
5. Research gap to be filled by your research
6. Chapter summary

**Chapter 3: Research Methodology**

1. Chapter introduction
2. Methodology for literature review -books,journals,sites, magazines-how old
3. Methodology for requirement specification, data collection and analysis techniques e.g.  Interviews, questionnaires, observations e.t.c. Provide sample questions
4. Methodology  for  system Analysis (current system); DFD, Context diagram, flow charts, sequence diagram, collaboration diagrams, use case, pseudocodes e.t.c
5. Methodology for System Design (proposed system); Database design,  DFD, Context diagram, flow charts, sequence diagram, collaboration diagrams, use case, pseudocodes e.t.c, Early System prototypes (I/O design)
6. Methodology for System implementation; back end, front end and database technologies to be used
7. Methodology for system testing; testing plan, testing techniques
8. Methodology for System Deployment
9. Chapter Summary

**Chapter 4: System Analysis**

1. Chapter introduction
2. Description of the current systems, its strengths and weakness
3. Requirement analysis
4. Feasibility study & its conclusion
5. Requirement analysis (functional, non functional, user, usability e.t.c).
6. Process logic design of  the proposed system using  the flow  charts, context diagrams and DFDS
7. chapter summary

**chapter 5-System Design (proposed system)**

1. introduction
2. Description of the proposed systems, its strengths and weakness
3. Conceptual architecture of the proposed system
4. Database Design: ER, Normalization and Data dictionary
5. I/O of the proposed system
6. Chapter summary

**Chapter 6:- Implementation System & Testing**

1. Chapter introduction
2. System screenshots (at most 4)
3. Testing plan
4. evaluation plan
5. Chapter summary

**Chapter 7 Conclusions, findings & recommendations**

1. Introduction
2. Conclusion
3. Challenges Encountered.
4. Future recommendations
5. Conclusion

**References/Bibliography**

**Appendix:** e.g. Sample questionnaires, sample interviews, budget schedule, time schedule (ghantt chart), sample code (at most 2 pages)

**Additional information**

* chapter one, two , three and references forms the research proposal
* all paragraphs should be justified , 1.5 spaced and done in **times new roman**
* all figures should be labelled and cited
* all tables should be well labelled
* each idea should be on specific paragraphs
* motivation and background should be one and half page at least
* problem statement should be written in continuous prowse
* objectives should be numbered
* research justification should be anchored on existing researches and not assumptions
* research scope should specify target organization and features to be implemented
* Use the APA referencing style
* Print 3 documents and bind using colour black coloured

**COVER PAGE FORMAT**

**(centered both horizontally and vertically)**

**THE CATHOLIC UNIVERSITY OF EASTERN AFRICA**

**FACULTY OF SCIENCE**

**DEPARTMENT OF COMPUTER AND INFORMATION SCIENCE**

**INSERT THE PROJECT TITLE HERE (IN UPPER CASE)**

**BY**

**NAME**

**Reg. number**

**A RESEARCH PROJECT SUBMITTED IN PARTIAL FULFILMENT OF THE REQUIREMENTS FOR THE AWARD OF THE DEGREE BACHELOR OF SCIENCE………IN………**

**Month of Graduation, Year**

Student Declaration Page

This research project is my original work and has not been presented for award of a degree for any similar purpose in any other institution

Student Name : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This research project has been submitted with my approval as University supervisor

Supervisor Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature : \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_