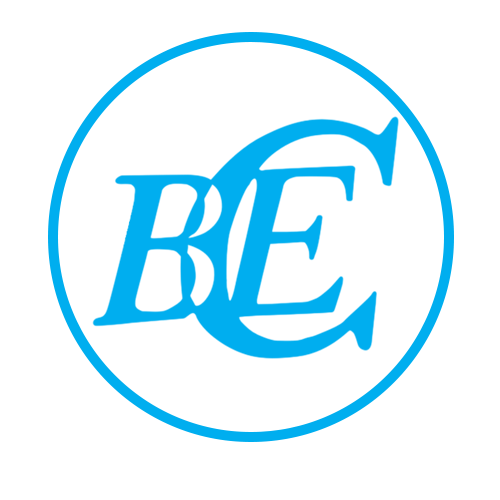
COLLEGE OF BUSINESS EDUCATION



DEPARTMENT OF MATHEMATICS AND ICT

**FINAL YEAR PROJECT MANAGEMENT SYSTEM FOR ICT DEPARTMENT AT COLLEGE OF BUSINESS EDUCATION (CBE)**

FINAL YEAR PROJECT PROPOSAL

BACHELOR DEGREE IN INFORMATION TECHNOLOGY.

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# INTRODUCTION

# THE HISTORICAL BACKGROUND OF FINAL YEAR PROJECT MANAGEMENT SYSTEM.

Final Year Project Management System, is a project which intends to improve activities concerning management of Students Final Year Projects by the ICT Department at College of Business Education Dar-es-salaam (CBE).

Currently Final year Projects are undertaken through manual works for instance, student project groups are created and collected by class representative though papers then the papers are to be submitted to the project coordinator. Incase of any changes on the member of any group, the coordinator has to redo the whole task of creating an updated student’s group table. Activities associated with the whole task of creating, update and submitting groups to the coordinator is a very tiresome task.

ICT department use file systems such as Microsoft office (Microsoft Excel) to manipulate data concerning Final Year Projects. File systems does not provide a clear data integrity as to the fact that any person access the data and can change the data without authoritative checks. Due to lack of data integrity might lead to poor organization of data and effective communication in the management scope. Also, in case of file or system corrupt the whole data will be lost.

The system will allow students to create groups and their project titles and be able to submit them directly to the system, thereby a project coordinator can access and review data without the involving the class representative. Through the system, Concurrent data access by multiple users is possible without distracting the integrity of the data. Data manipulation can be achieved easily and will be done by authorized users.

The goal of the System is to enable good organization of data, data integrity and proper coordination of student, supervisors and Project Coordinator for the purpose of simplifying activities done during the management of the Final Year Projects.

The project will take an approximate duration of 2 months to be implemented and tested.

# 1.2 PROBLEM STATEMENT

Currently, management of Final Year Project of Student by the ICT department is based on papers and file systems. Example students group registration and their project titles are done through papers. The means of storage is vulnerable to data loss, data access is a challenge in terms of misplacement of papers or device with the file system, also manipulation of data comes a challenge when data are kept in papers (edit, delete or updates are impossible in papers).

So, under these circumstances, the system intends to fill the observed problems encountered in managing and organization of the Final Year Project Management System.

# 1.3 OBJECTIVES

## 1.3.1 General Objective

The aim of this project is to develop a Final Year Project Management System. Additionally, the Final Year Project Management System it is a web-based system which will enable students to create their groups and also post their final year projects titles, supervisor to assess students based on their presentations, coordinator to manage all students and supervisors also to have all the required reports concerning final year student’s projects.

## 1.3.2 Specific Objectives

* To collect all requirements from users (coordinator, supervisors, students).
* To design the system.
* To develop the system.
* Test and validate the system.

# 1.4 PROBLEM JUSTIFICATION

The Final Year Project Management System is necessary as it will it improve and simplify the work flow concerning the management of Final Year Project.

The system will have 3 users namely, Project Coordinator, Supervisor and Student.

The system will work in the following manner:

* student will be able to create groups and post their project titles, review formulated group, view assigned project supervisor and view assessment reports based on the project representations.
* Supervisor will be able to view assigned student groups for supervision, assess students based on their project presentations and view reports.
* Coordinator will be able to create, update and delete users and provide roles, view students’ project groups and their titles, assign supervisors to student groups, assess student based on their project presentations and view different reports.

The chances that the project could open is that, the project could be used to manage Final Year student Project within and outside the campus.

# 1.5 METHODOLOGY

The methodology to be used on the proposed system is **prototyping model.**

Why prototype?

* The user is fully involved in the software product making even before the software product is fully implemented.
* This involvement gives user pure understandability of software product being developed.
* Gives developer higher chance of developing a software product that meets user requirements.

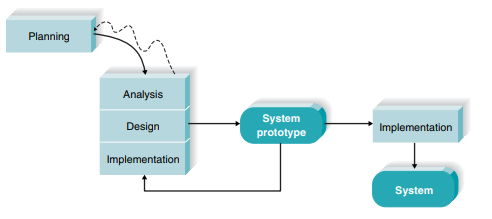


Figure Methodology (Prototyping)

Requirement will be collected from the following members

* Project Coordinator (Anna Kayanda)
* Project Supervisors
* Students.

The system will be implemented module wise in an interval of 1 week per module. A complete module or prototype will be reviewed by mentioned users to provide modification feedback if necessary. If modification is needed then, it will be taken into account.

## 1.5.1 Project Constraints

The following are the constraints for the project

* The user should provide requirements full and complete to his or her ability.
* There should be maximum cooperation between users and Project Manager.
* An appointment between user and the project Manager should be Consistent.

# 1.6 EXPECTED RESULT

## 1.6.1 Expected output

The Expected output from this project is the Final Year Project Management System.

## 1.6.2 Expected Outcome

* Students will create their groups and post their project titles in the system without using papers

# 1.7 PROJECT PLAN

Table Project Plan

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| SN | Task | Days | Start Date | Estimate Completion Date | Deliverables | Responsible |
| 1 | Requirements gathering | 5 | 31/03/2023 | 4/04/2023 | Functional and Non-functional Requirements | Adelino  &  Shadrack |
| 2 | Requirements analysis | 10 | 5/04/2023 | 14/04/2023 | Data Flow Diagrams.  Entity Relationship Diagram | Adelino  &  Shadrack |
| 3 | Design of the Software | 8 | 15/04/2023 | 22/04/2023 | System specification (Interface design, database design…etc.) | Adelino  &  Shadrack |
| 4 | System Development | 30 | 24/05/2023 | 24/05/2023 | Software product | Adelino  &  Shadrack |
| 5 | System test and validation | 4 | 25/05/2023 | 28/05/2023 |  | Adelino  &  Shadrack |

# 1.8 CONCLUSION

Therefore, The Final Year Project Management system intends to help ICT Department at CBE by improving way of management by allowing coordinator to manage both students and supervisors by registering them to a system, assigning supervisor to student’s groups, review and generate assessment reports of the student’s presentations. To a supervisor the system will provide easy way to supervise their assigned groups of students also to assess students based on their presentations.

Students will be able to create their groups and post their final year project Titles, review their assessment reports and also to see their final panel comments and results. Lastly the system will create easiness in data manipulation also reducing the different data lost vulnerabilities, as all data will be stored in a well secured database, its access is through the secured HTTP protocol so as to ensure non-authorized user should never access our system data.

# 1.9 REFERENCES

[www.barberindustries.com.au](http://www.barberindustries.com.au)

[www.irjmets.com](http://www.irjmets.com)