

THE STATE UNIVERSITY OF ZANZIBAR
DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY
FINAL YEAR PROJECT PROPOSAL GUIDELINE
SOFTWARE PROJECT
2023/2024

SNO	STUDENT FULL NAMES	REGISTRATION NUMBER	SIGNATURE

SUPERVISOR:

Signature.....

PROJECT TITLE:

PROJECT TYPE:

Target beneficiaries:

Target market:

Potential customers:

CONTENT OF THE PROPOSAL DOCUMENT

1. Introduction and Background of the project

Background information (Half page): It covers the historical background of the project subjected to research.

Introduction (Half Page): This relates to the topic at hand and how it ties with background information. Provided a short and clear description and intension of your project. An outline of the sections to be covered should be presented here. Provided a short and clear description and intension of your project.

2. PRELIMINARY STUDY AND BRIEF PROBLEM STATEMENT (Maximum One page)

a. Provide brief investigation of the system under consideration and gives a clear picture of what actually the physical system is?

b. BRIEF PROBLEM STATEMENT

Brief analysis or summary of the problems identified relating to the project or issue to be addressed by the project in not more than three paragraphs. Be sure to go and point out the problem explicitly. Use previous literature.

3. PROJECT BACKGROUND AND MOTIVATION (Half page)

Motivation: Why the project is important / worth doing.

Background: What past works by others have been done on the problem?

To understand what your project is about, you should do a small survey of any related ideas and projects. which have been done so far which are related to your project. In essence, the ones that you have studied and hence lead to the identification of the problem/knowledge gap that you are trying to address. You should comment on existing works related to your problem.

4. PROPOSED SOLUTIONS AND SCOPE (half page)

Explain the scenarios of how your proposed system will be used and explain how this solution is better than the current practice. Describe the envisioned benefits of your proposed solution.

Explain the scope/main functions that should be covered by proposed solution

5. MAIN AIM AND SPECIFIC OBJECTIVES (Half page)

State the main/general objective of the project. An example of statements in this part could be:

The main objective of this project is...

There may also be specific objectives to accomplish the aim (main objective) of the project

Identify the specific objectives:

- a. The objective(s) should be precise, clear, Measurable, Relevant, achievable, and well defined.
- b. The list of objectives should be presented in point form.
- c. Consult supervisor for advice.

Example. The specific objectives of this project are:

- i. To identify various criteria which can be used in ranking universities in Tanzania
 - ii. To establish ...
 - iii.
 - iv. To develop the system which will facilitate ranking of universities in Tanzania
- [Four specific objectives are more than enough!]

6. ANTICIPATED ARTIFACT (Half page)

List the deliverables to be created during your project, which you feel represent significant and useful pieces of work

You might include for example:

Literature survey that summarizes previous work in your specialist area

Results obtained from gathering available data, questionnaires and so on

A new model or algorithm developed (by yourself or in collaboration with your supervisor)

7. RESOURCE REQUIREMENT (Half page)

Identify the equipment and critical resources needed (software and hardware). Decide on the programming language(s) you would use.

8. Significance of your study (Half page)

What is the significance of your study?

9. Expected contribution and implications of your project (half page)

How does your study contribute to the field of ICT at the global level, regional or Tanzania Context?

10. PROJECT SCHEDULING (1 page)

For scheduling a project, it is necessary to -

- Break down the project tasks into smaller, manageable form
- Find out various tasks and correlate them
- Estimate time frame required for each task
- Divide time into work-units
- Assign adequate number of work-units for each task
- Calculate total time required for the project from start to finish
- Draw Gantt chart for project scheduling

11. Financial Implications (half page)

Provide a budget based on your project requirements

12. References

- List of references cited in your research.
- Use IEEE or APA style of referencing

OTHER INFORMATION

ROLE OF SUPERVISOR

Students will be assigned a supervisor. They serve to give you additional advice on the project.

Supervisors will NOT do the project for you. You should solve the problem independently. They are NOT expected to spend large amount of their time solving problems that should be solved by you.

RESPONSIBILITIES OF STUDENTS

- Conducting thorough research, writing a comprehensive proposal based on guidelines, and seeking approval within a specified time
- Attend regular meetings with the supervisor to discuss progress, challenges, and seek guidance.
- Providing regular progress reports, adhering to agreed timelines and objectives.
- Preparing detailed documentation covering system design, implementation details, user manuals, etc.
- Identifying and resolving issues or challenges encountered during the project.
- Being adaptable to changes or modifications required during the project lifecycle.
- Preparing for the final presentation and defense of the project as directed by project coordination team.
- Managing time efficiently to meet deadlines and project milestones.
- Collaborating effectively if working in a team, ensuring proper division of tasks and clear communication.
- Developing the proposed solution using appropriate methodologies and tools.

AMOUNT OF EFFORT REQUIRED

The final year project has 15 credits spread across two semesters equivalent to 30 weeks. So it is expected that students to spend an average of at least 5 hours /week on the project.

During the first semester with duration of 15 weeks you will be required to do the following tasks

- a. Prepare and submit project proposal within specified time.
- b. Conduct analysis and modeling soon after your proposal is approved for average of 7 weeks' duration
- c. Prepare system design for the remaining weeks of the first semester
- d. Submit and present system design document at the fourteenth week of the first semester

During the second semester of the remaining 15weeks you are expected to do the following tasks

- a. Implementing system design
- b. Perform system testing
- c. Prepare final system documentation
- d. Conduct final defense of the system developed

MEETING WITH SUPERVISOR

- Each group/individual must have an at least one-time weekly meeting with a supervisor
- Each meeting should be recorded with corresponding agenda or tasks assigned to students.

TYPES OF PROJECT ALLOWED

Student is free to take any type of project related to computer(IT) and innovative. Among recommended types of projects are:

1. Web based project

2. Android based project
3. Desktop application projects
4. Network related projects
5. Multimedia related projects
6. Geographical information system(GIS) project
7. Internet of Things and AI

ASSESSMENT METHOD:

The assessment of the project is 100% which is divided into three groups

1. Progress report presentation (10%)
2. Final defense of the project (50%)
3. System Documentation (40%)

GRADING SYSTEM

SCORE	100 - 70	69 - 60	59 - 50	49 - 40	39 - 35	34 - 0
GRADE	A	B+	B	C	D	E
REMARK	PASS	PASS	PASS	FAIL/REPEAT	FAIL/REPEAT	FAIL/REPEAT