IT4010 – Research Project

Workshop: Final Report Submission

Research Project

2024 Regular Intake
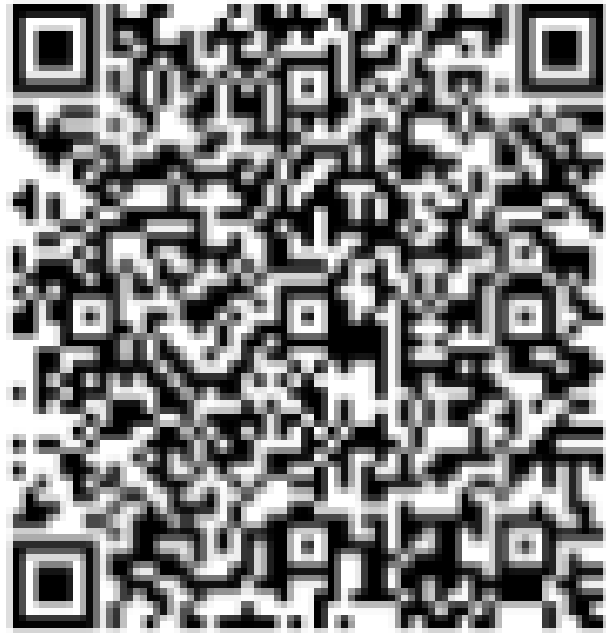
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8th August 2024

Mark your
Attendance

At present
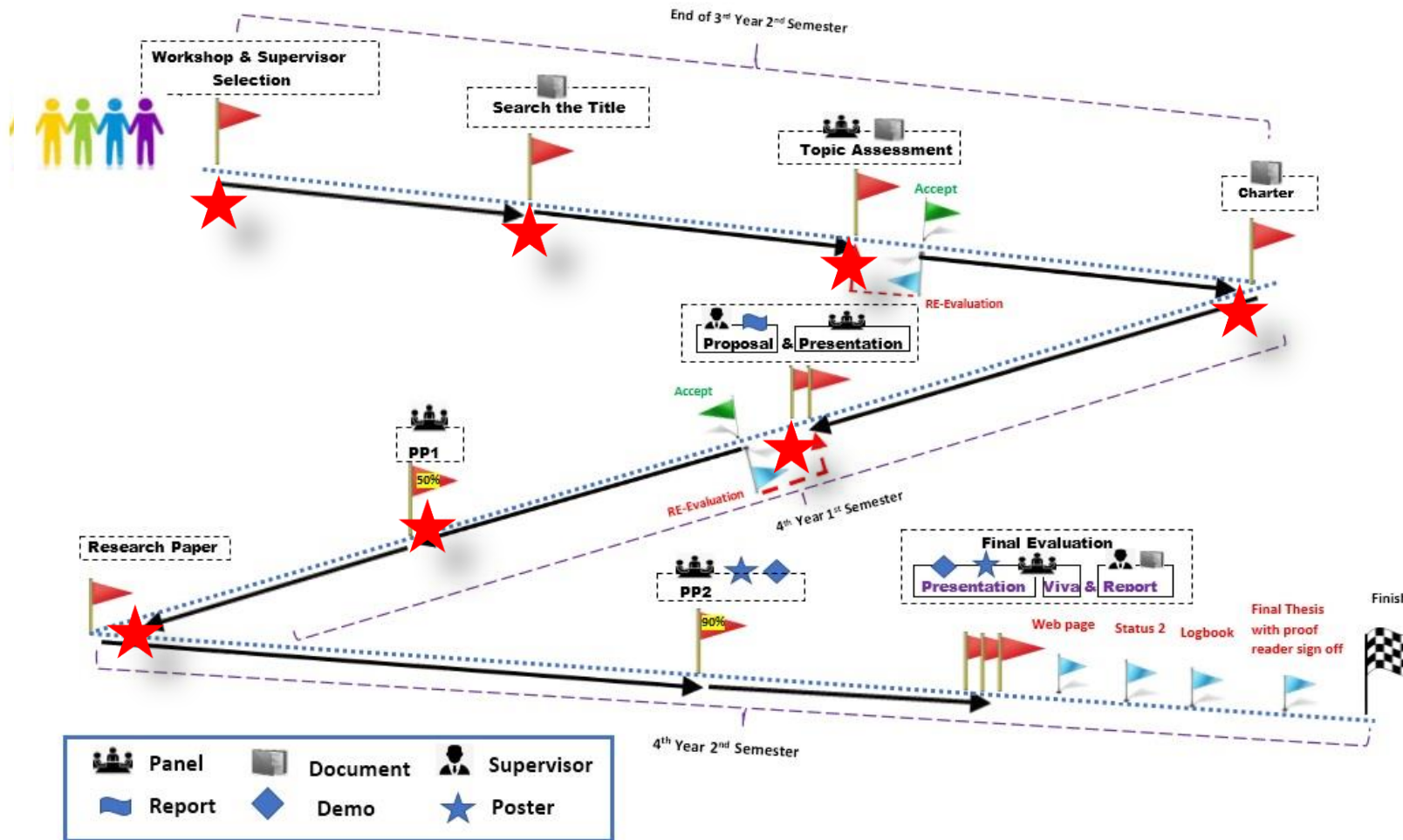
Important Dates

Progress Presentation-II (90%)	**9, 10 & 11 – September-2024**
Final Report (draft) Individual and Group Submit to the Supervisor	**23 – August - 2024**
Website & Research paper registration notification	**21st Oct & 01-November-2024**
Research Logbook, Final presentation & Viva	**20th November & 28-30-October-2024**

The stages of Final report

Draft Submission

This is the version Supervisor mark and review

This is the version independent reviewer (blind review) mark

Accepted Plagiarism is MAX 20%

The marking Rubric can be found here.

**Reviewed version
(To supervisor)**

This is an independent version between the team and the supervisor

Final submission

4 individual and 1 group documents

Must proofread using an English expert

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IMPORTANT: Draft Submission

4 individual reports explaining how did you developed your individual components

1 group document explaining the integrated system

Deadline: 23– August - 2024

NOTE: This version will be **marked** by the supervisor

Every Document should have Min of 50 Pages

Individual Report-Dissertation

- Each individual report
  - must be written by the sole author,
  - clearly state their Individual objectives,
  - clearly demonstrate the individual's work

Final Report/ Dissertation

- Each student group is required to clearly specify the main objective and four distinct and separate sub objectives (one for each group member).

- They must have defined these firmly in the proposal document.

- A separate chapter will be included in the group final report for individual Research Contribution.

What you should do

A report is **a piece of writing**.

A great deal of emphasis is placed on your writing ability and your grade will depend on how effectively you communicate your ideas.

It is important to develop a good, clear, concise writing style.

You must clearly show

Your Idea

Your contribution to the system:

You can elaborate your contribution by:

- What is the issue? (**the area and problem**)
- Why does it need to be addressed (**the research gap**)
- How will it be answered? (**the method or evidences**)
- What will it achieve? (**outcomes**)

Report Structure

- Hard Cover (Back ground – Black, Text – Gold)   [only Final report Hard copy]
- Title page(1 A4 page)
- Declaration (1 A4 page)
- Abstract (1 A4 page)
- Acknowledgement (1 A4 page)
- Table of contents (2-3 A4 pages)
- List of Tables (if any)
- List of Figures (if any)
- List of abbreviations (if any)
- Introduction (10-15 pages)
    - background literature
    - research gap
    - research Problem
    - Research Objectives
- Methodology (15-25 A4 pages)
    - Methodology
    - Commercialization aspects of the product
    - Testing & Implementation
- Results & Discussion (5-10 A4 pages)
    - Results
    - Research Findings
    - Discussion
- Summary of Each Student's contribution (2-4 A4)
- Conclusion (2-4 A4 pages)
- References (2 on wards)
- Glossary (if any-1-2 pages)   Document Size: Min 50 A4 Pages
- Appendices (no limit 2-4 pages)

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Cover Page

- The title of the dissertation

- Candidates' full names

- University /Institution registration numbers

- Report type (Final (Draft) Report)

- Official name of the degree to which the dissertation is submitted

- Official name of the department of the university

- The month and year of submission(A sample is available in the formatting document)

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Title page

- The title of the dissertation

- Candidate's full name

- University /Institution registration number

- Statement (The dissertation was submitted in partial fulfilment of the requirements for the B.Sc. (Honors) degree in Information Technology)

- Official name of the department of the university

- The month and year of submission

Declaration

I declare that this is my own work, and this dissertation does not incorporate without acknowledgement any material previously submitted for a degree or diploma in any other university or Institute of higher learning and to the best of my knowledge and belief it does not contain any material previously published or written by another person except where the acknowledgement is made in the text. Also, I hereby grant to Sri Lanka Institute of Information Technology the non-exclusive right to reproduce and distribute my dissertation in whole or part in print, electronic or other medium. I retain the right to use this content in whole or part in future works (such as article or books).

Signature: Date:

Signature of the Supervisor: Date:

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Abstract

The abstract summarises your main claims and how you have dealt with them. Findings do not go in the abstract.

It outlines;

the problem,

the purpose of the report,

the main areas addressed and methodology

the general solution and conclusion you will be defending.

It should be;

Concise and specific

Accurate

Clear

Non-evaluative

Acknowledgement

- This is an optional page, acknowledging people who provided as the author(s) with assistance in the research project, but not only the supervisor(s).

- You are free to include name of the peoples who have helped to collect data, information and complete the project .

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Table of Contents

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Other necessary sections

- List of Figures

- List of Tables

- List of Equations

Introduction must address

Background information to support your thesis

The problem you are addressed and the objectives of yours

Some similar approaches **(GAP)**

The scientific contribution of your thesis

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Research Objectives

| A research objective is a	General Objective	Specific Objectives
• clear, • concise, • declarative statement • Should provides direction to investigate variables	▪ broad goals ▪ what the researcher expects to achieve in general terms	• short term & narrow in focus • General objectives drives to specific objective • more in number & they systematically address various aspects of problem as defined under "the statement of problem"

Example of action verbs are:

TO ASSESS, TO IDENTIFY, TO FIND OUT
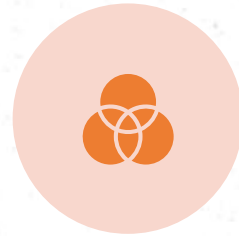
TO DETERMINE, TO COMPARE
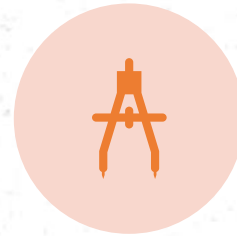
TO FIND, TO VERIFY, TO CALCULATE

TO DESCRIBE, TO ANALYSE,

TO ESTABLISH, ETC.

Methodology

This chapter incorporates a step-by-step justification of the process used to reach the conclusion.

It provides an evidence for your claims.

Methodology

Testing

Findings

This section should be explained in detail about the methods you used to achieve your objectives.

Results & Discussion

This section is the later part of the testing

Test your product according to the test plan

Compare the quality of the results produced by the system with the expected results

Calculate the accuracy rate

If the accuracy rate is very low, you must explain the reasons for the difference.

If you can propose suitable methods to increase the accuracy rate and explain them clearly

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Conclusion

? The conclusion should provide **answers or solutions** to the problems raised in the introduction.

The introduction and conclusion are closely related to each other, thus students should take care in drafting and revising to ensure that these parts reflect and do not contradict one another.

Layout and Appearance

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Layout

- The report should be prepared using Times New Roman, 10pt; it should have minimum of 50 A4 pages.

- Spacing:
    - 1.5-spacing should be used in the text of the report.
    - Single spacing should be used in long tables.
    - Paragraphs should be indented, or an empty line left between paragraphs, depending on the requirements

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Paragraph, line and sentence spacing

!   Each full stop, question or exclamation mark should be followed by 2 spaces.

"   Each comma, and other punctuation within a sentence, should be followed by 1 space.

    Never put space characters before punctuation marks.

"   Headings must occur on the same page as the start of their first paragraph.

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New Pages

A new page should start for each new main section.

The footer may also contain the organization name.

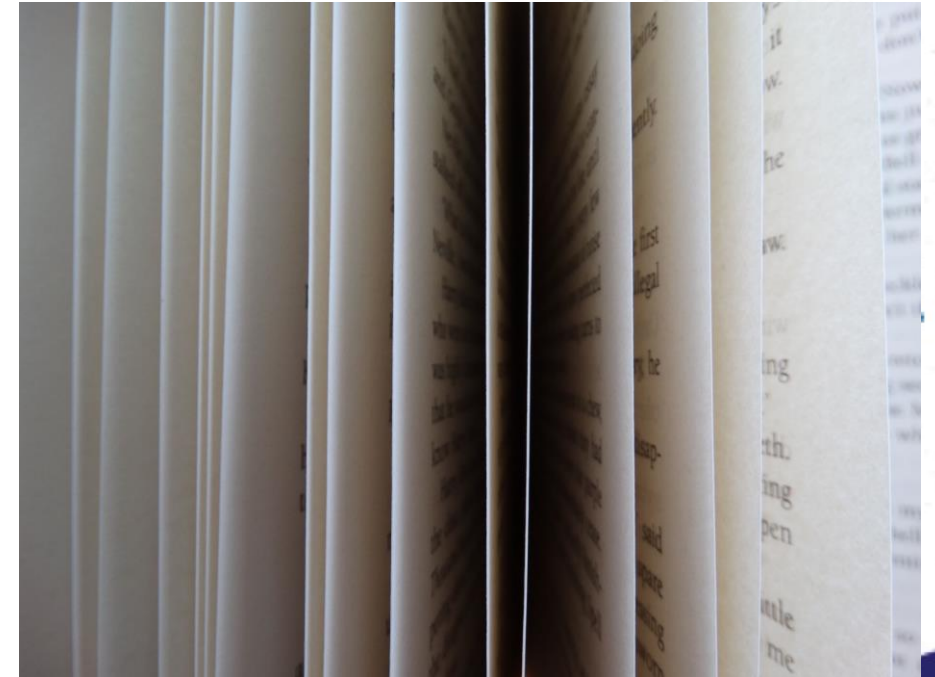The header should contain the report title.

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Capital letters

Followings should type in capital letters:

- Main headings
- First letter of first word of sub-headings
- First letter of first word of sentences
- First letter of proper names
- First letter of each item in a list
- Abbreviations (usually) e.g. UK, ISO, HCI

Brackets and quotes

Spaces must be included outside the brackets or quotation marks - not inside.

For example,

- … takes place in the central processing unit (C.P.U.).

- According to Gower (1998) this means that "the situation is at danger levels".

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Formatting

<u>Underlining</u>

Underlining may be used to give **<u>emphasis</u>** to words or phrases in the text,

<u>Bold</u>

Since underlining disrupts the flow of the word-shape, **bold** is usually better.

<u>Italic</u>

Italics can be used to indicate foreign words or some different form of text.

Writing standards

- You should write in a style to suit your audience.

- References must be given to all information sources used and listed at the end of the report according to the IEEE standards.

- **Indicate the relevant reference in the text**
  - A number enclosed in a square bracket. *e.g.* [1] or [26], placed in the text of the document which indicates the relevant reference.

Questions?

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Thank You

CDAP Team 👤

📱

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🔗

RP Team