



IT4010

Research Project

Workshop Proposal Writing

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Faculty of Computing



SLIIT

Discover Your Future
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1



Research Project

Proposal Writing Workshop

2021
Regular
Intake

2



<https://forms.office.com/r/epnb4eYwfb>
12th of January 2022

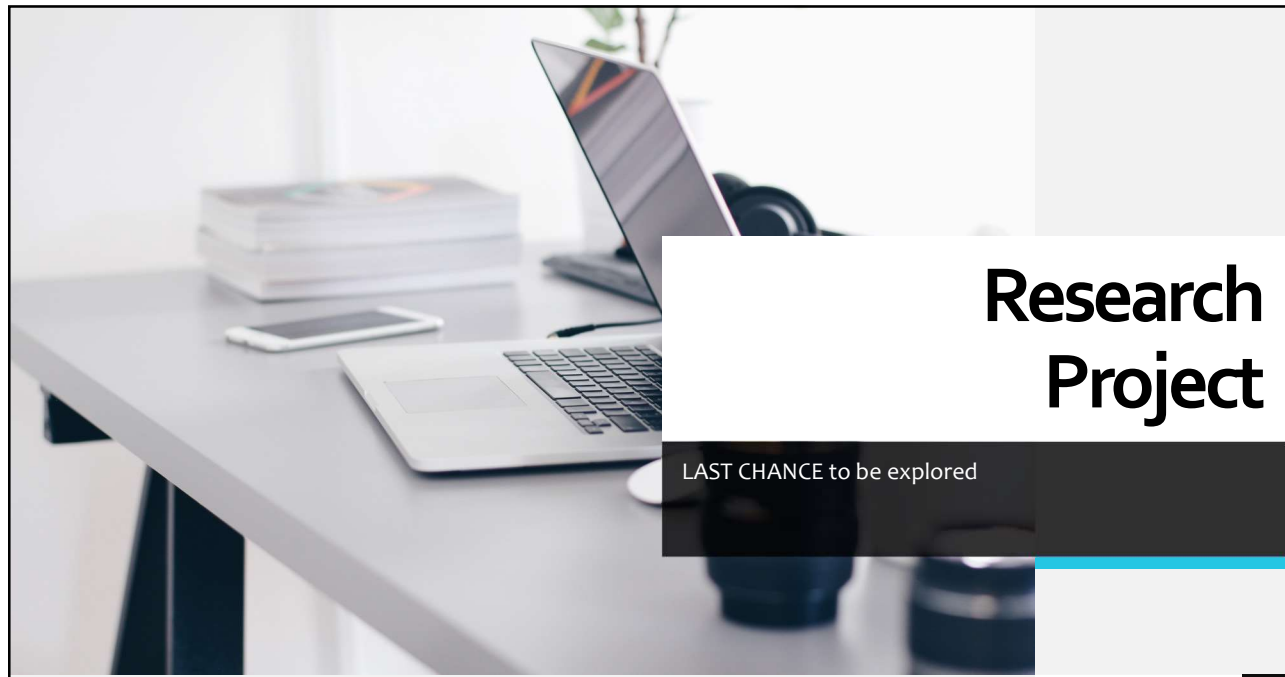
**Mark your
Attendance**

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3

3



**Research
Project**

LAST CHANCE to be explored

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4

4

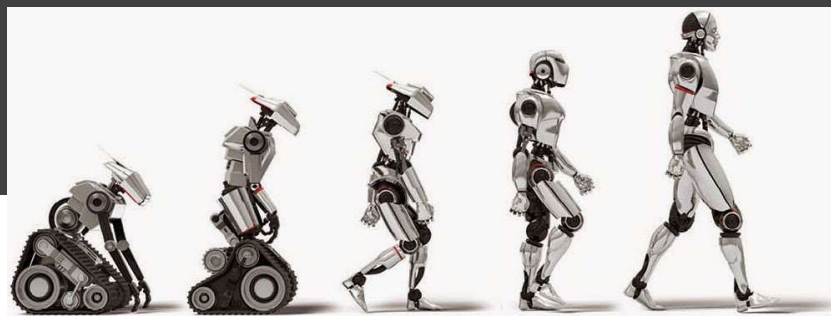
Module Details

- Module Code: IT4010
- Credits : **16**
- Duration : 2 Semesters
- Moodle : rp2022

5

Learning Outcomes

At the end of the module student will be able to:



6

Learning Outcomes

At the end of the module student will be able to:

- LO1: Provide a **creative** and **innovative** solution to **an open-ended** complex problem
- LO2: Apply the **key pillars** of the domain of computing
- LO3: Apply **project management methodologies** to provide a solution to an open-ended problem using appropriate techniques, tools, best practices, and standards, in the ethical, security, social, legal and professional context.
- LO4: **Communicate effectively** with a wide range of audiences including both technical and non-technical stakeholders.
- LO5: Assess the **commercial viability** of a project.

7

Ways of communication

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8

Ways of communication



Mainly the Courseweb.

Enrollment Key
rp2022

All the information are posted on the course web and Students are required to check it regularly.



Can meet any RP team member with a prior appointment.

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Kavinga Yapa
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Can directly contact the LIC/Coordinator by writing to

Jagath wickramarathne
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WhatsApp with Batch Reps
(Only for the urgent Information)

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cdap@sliit.lk

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9

9

Milestones



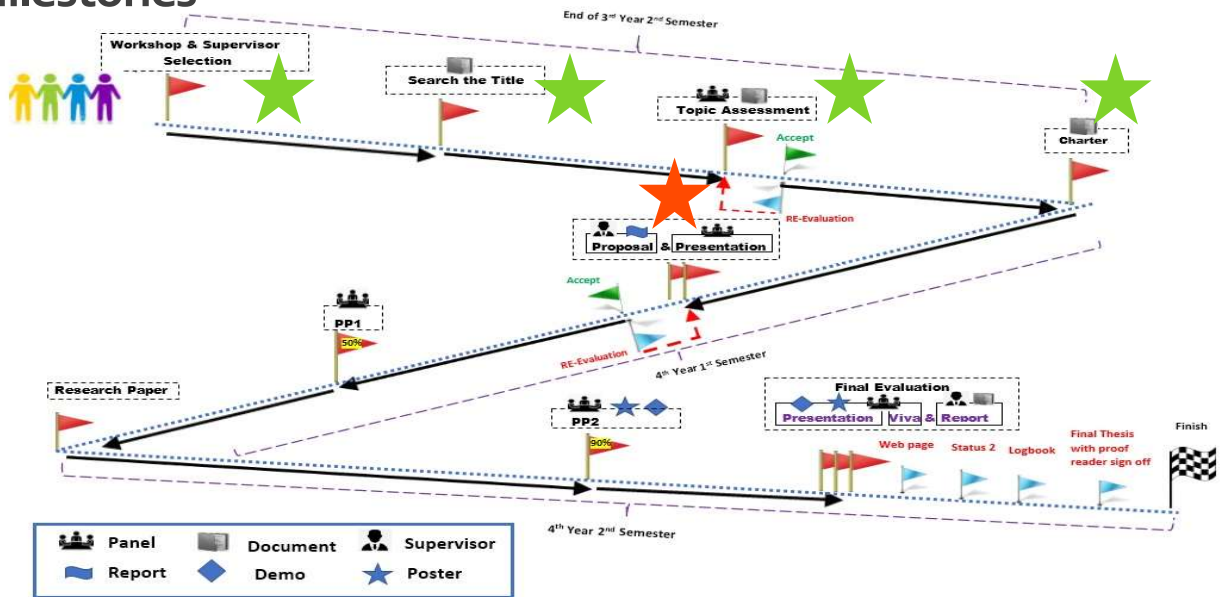
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10

10

Milestones



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11

11

Proposal report

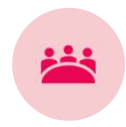
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12

12

Modes of evaluation



PANEL-BASED



SUPERVISOR-BASED



DOCUMENT-BASED



DEMONSTRATIONS



RESEARCH PAPER



POSTER



INDIVIDUAL
VIVAS



INDIVIDUAL
PRESENTATIONS

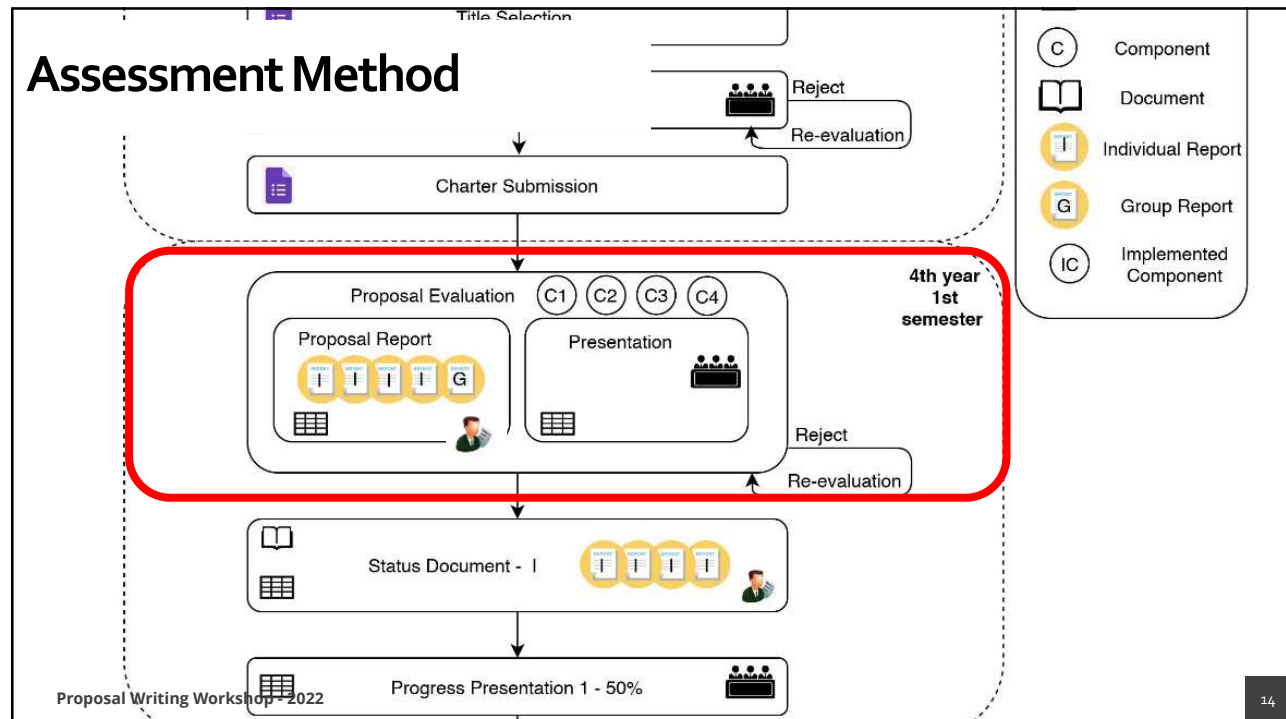
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13

13

Assessment Method



14

RP 2022 Timeline

please note that the schedule is subject to change due to the faculty calendar changes, holidays, and for other unforeseen circumstances.

Tentative Dates for RP Assessments-2022 Regular Batch					
No	Assessment / Milestone	Assessing Individually/ Group	Date of assessment	Document submission Deadline	Marks Allocated
Semester II (28 marks)					
1	Project discussion workshop	Group	05th November 2021		N/A
2	Online registration for the topic evaluation	Individual		12th December 2021	N/A
2.1	Topic Evaluation form submission	Group		17th December 2021	N/A
2.2	Topic Evaluation (Project pre-assessments)	Group	17th - 21st December 2021		N/A
3.a	Last Day of Project charter submission	Group		12th January 2022	N/A
3.b	Project Cover Sheet Submission	Individual			N/A
4.a	Project proposal report (draft)	Group and Individual		24th January 2022	6%
5	Project proposal presentation	Individual	1st - 3rd February 2022		6%
4.b	Project proposal report (final-for marking)	Group and Individual		11th - February 2022	
6	Project Status document	Individual		13th May 2022	1%
7	Progress Presentation – I (50%)	Individual	11th - 13th May 2022		15%
Semester I (72 marks)					
8.a	Submit the Research Paper	Group		30th June 2022	10%
8.b	Final Report (draft) Individual and Group Submit to the Supervisor	Group and Individual		2nd September 2022	
9	Progress Presentation-II (90%)	Individual	28th - 30th September 2022		18%
10	Final Report (Draft) Individual and Group Feedback from the supervisor	Group and Individual	16th September 2022		19%
11	Website Assessment	Group			2%
12.a	Final Report (Soft Bound)	Group and Individual	7th October 2022		N/A
12.b	Project Status document and Student Logbook/Research paper	Individual	7th October 2022		3%

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15

How to Upload the Information to the RP Cloud

1. Project Proposal	🔗	12/22/2021 4:56 PM	File folder
2. Status Document 1	🔗	12/22/2021 4:52 PM	File folder
3. Progress Presentation - 1	🔗	12/22/2021 4:56 PM	File folder
4. Research Paper	🔗	12/22/2021 4:52 PM	File folder
5. Progress Presentation - 2	🔗	12/22/2021 4:56 PM	File folder
6. Final Report & Presentation	🔗	12/22/2021 4:56 PM	File folder
7. Status Document 2	🔗	12/22/2021 4:52 PM	File folder
8. Website	🔗	12/22/2021 4:52 PM	File folder
9. Log Book	🔗	12/22/2021 4:52 PM	File folder
Marking Schemes	🔗	12/22/2021 4:52 PM	File folder
Project Registration Documents	🔗	12/22/2021 4:56 PM	File folder
Panel Comments for the Students	🔗	11/26/2021 9:56 AM	Microsoft Excel M... 48 KB

Projects should use "my.sliit.lk" accounts

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16

Items to Highlight

- Supervisor and Research Group
- Topic rejections, and re-submissions

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17

Importance



- A good proposal is an important tool for organizing time and resources to complete the project with a high standard.
- It is an **informal "Contract"** to establish an agreement about the contents and limits of the final output.

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18



4 individual proposal reports explaining how your individual components you are developing within the year to achieve your final system



Deadline: 24th of January 2022 (Project Proposal Report (draft))



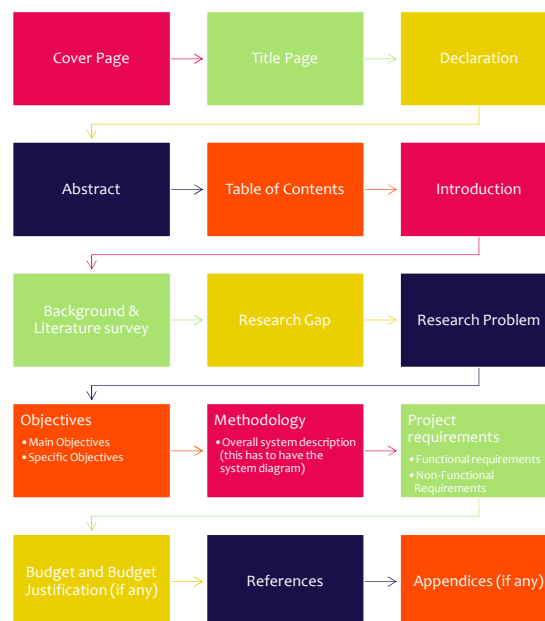
Deadline: 11th of February 2022 (Project Proposal Report (final report for marking))



NOTE: Those who stepped to the **re-proposal presentation** also have to submit the proposal report by the above-mentioned deadline.

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19



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20

Background & Literature survey



Has to have **an overview of the domain** you are researching



Overall background of the problem you will be solving



Contribution to the existing knowledge in your field and to overall scientific development.



Why is this research important, what is its significance, and how will its outcomes affect the funders and the society on the whole?

Note: All statements provided should be supported by the literature

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21

Contents: Research gap



It's the missing element in the existing research literature



It's the gap that you fill with your research approach



What you will try to achieve with your proposal

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22

Content: Research Problem



Problem or issues which you are planning to address in the research study



E.g.,

How do exposure to and use of ICTs in school affect future employment?

What is the impact of 'computer-literacy' instruction in schools?

How can ICTs be used to present, comment on and discuss student work, and what are the implications of such impact?

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23

Contents: Objectives

Objectives are the goals, set out to attain in your study.

- Objectives inform readers what you want to achieve through the study

Main Objective is an overall statement of the aim of your study. It is also a statement of the main associations and relationships of the entire project or the system.

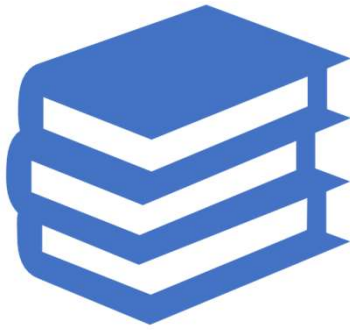
Specific-Objectives are the specific aspects of the topic that you want to investigate within the main framework of your study.

- E.g., each member's objectives in the project

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24

If you like to read more on Proposal writing



- Refer to [1], which provides a clear explanation on research proposal writing.

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25

Content In the Cover Page



Title of the project



Project ID (The ID you received after the Charter Submission)



“Project Proposal Report”



Name of the authors



Official name of the degree



Official name of the department, Faculty, and the university










The month and year of submission

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26

Title Page

	Title of the project
	Project ID (The ID you received after the Charter Submission)
	"Project Proposal Report"
	Name of the authors
	Official name of the degree
	Official name of the department, Faculty, and the university
	The month and year of submission

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27

Proposal Abstract



- An abstract summarizes, usually in one paragraph of 300 words or less, the major aspects of the entire paper in a prescribed sequence that includes [2]:
1. overall purpose of the study and the research problem(s) you investigated;
 2. basic design of the study;
 3. major findings or trends found as a result of your analysis (**This part is only needed in the final report**)
 4. brief summary of your interpretations and conclusions.

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28

Declaration



We declare that this is our own work and this proposal 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 our 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.

Signature:

Date:

Signature:

Date:

Signature:

Date:

Signature:

Date:

Signature of the Supervisor:

Date:

Signature of the Co-Supervisor

Date:

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29

Introduction

- You must answer the following questions in the Introduction. And You have to clearly give the references when you make statements.
 - **Overall background** of the research have been done in this domain before.
 - What are the **relevant studies or techniques need to be mastered**, in order to do the project?
 - Where is the **state of the art** today?
 - How **others tried to solve problems you want to tackle**, and in what ways will your approach build on and vary the from previous work?



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30

Research Objectives

Research objective(s) is/are the concrete statements that describe what the project is trying to achieve.

NOTE: The given objectives will be evaluated at the final presentation and VIVA to which those have achieved successfully

The objectives are SMART

- Specific
- Measurable
- Achievable
- Realistic
- Time-bound.

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31



Implement a smart mobile application to detect student stress during the CDAP evaluation cycle using quantitative statistical analysis throughout the year



S →
Implement a
Mobile App



M → the
objective
immeasurable
through the
quantitative
analysis



A → it is
achievable
through the
implemented
system



R → given this is
a team effort it
is realistic



T → there is a
specific
deadline is given

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32

Methodology



- The system diagram has to be in this section and should clearly explain how to use the components mentioned in the system diagram to achieve the main objective of the research.
- How you propose to carry out your project?
- What are the tasks and sub-tasks identified to achieve your objective(s)?
- What materials will you need to carry out your project: equipment? computer support? graphics? others?

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33

Methodology ...



- What data is needed for the project and how will they be collected? If the project requires a survey or interviews, what is the design of this product?
- What time frame do you think you will need to accomplish the identified tasks or subtasks?
- Schedules should be present in standard forms like Task Charts? If you are working in a team, which team-mate would accomplish which sections?
- Anticipate conclusion (results, application, or real-world use of the project)

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34

Project Requirements

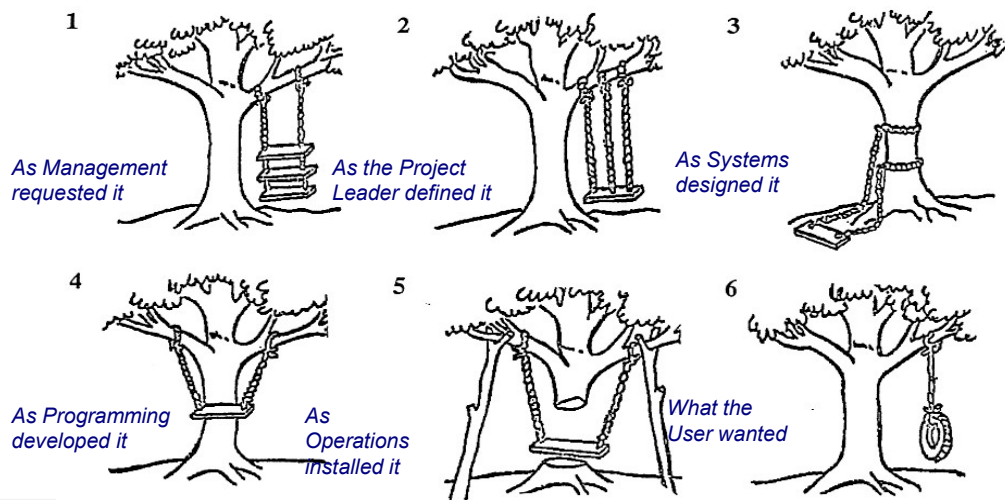


- For the software solution you implement you should clearly explain the
 1. functional requirements,
 2. User requirements
 3. System requirements
 4. Non-functional requirements,
 5. Use cases (tentative)
 6. Test cases (tentative)
 7. Wireframes (tentative)

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35

You should avoid



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36

Referencing (IEEE format)



- Standard method of acknowledging sources of information and ideas of others
- Know the source or sources from which you have obtained your information
- Referencing is necessary for the following reasons:
 - to avoid plagiarism;
 - to enable the reader to verify quotations;
 - to enable the reader to follow up the cited authors' arguments

NOTE: You may refer [3] to do a proper referencing and citation. Poor citation in both presentation and the document will reduce your marks drastically.

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37



Questions?

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38

References

- [1] Thomas, G., “How to do your research Project A Guide for students”, Sage Publication, 3rd Ed., 2017, ISBN: 9781473948877
- [2] The Writing Center, “Writing and Abstract”, Clarion University, 2009.
- [3] IEEEDataPort, “How to Cite References: IEEE Documentation Style”, Online: <https://iee-dataport.org/sites/default/files/analysis/27/IEEE%20Citation%20Guidelines.pdf>, Accessed Dec 2020.

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39

Marking Rubrics and Format guide

- [Proposal Formatting 2020 Regular](#)
- [Proposal Report-Individual.](#)

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40

Sample work

- [Average](#)
- [HIGH](#)
- [Low](#)

41

Questions?

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42



43