



SLIIT

Discover Your Future



IT4010 – Research Project

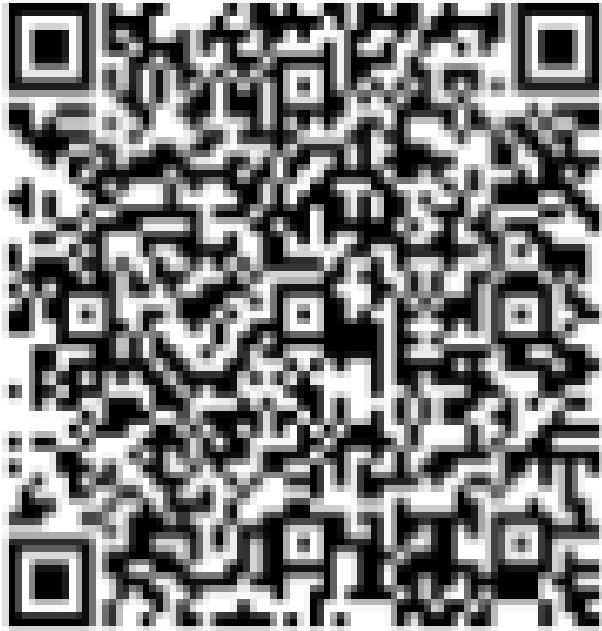
Workshop: Proposal presentation



Research Project

Proposal Presentation

2024
July
Intake



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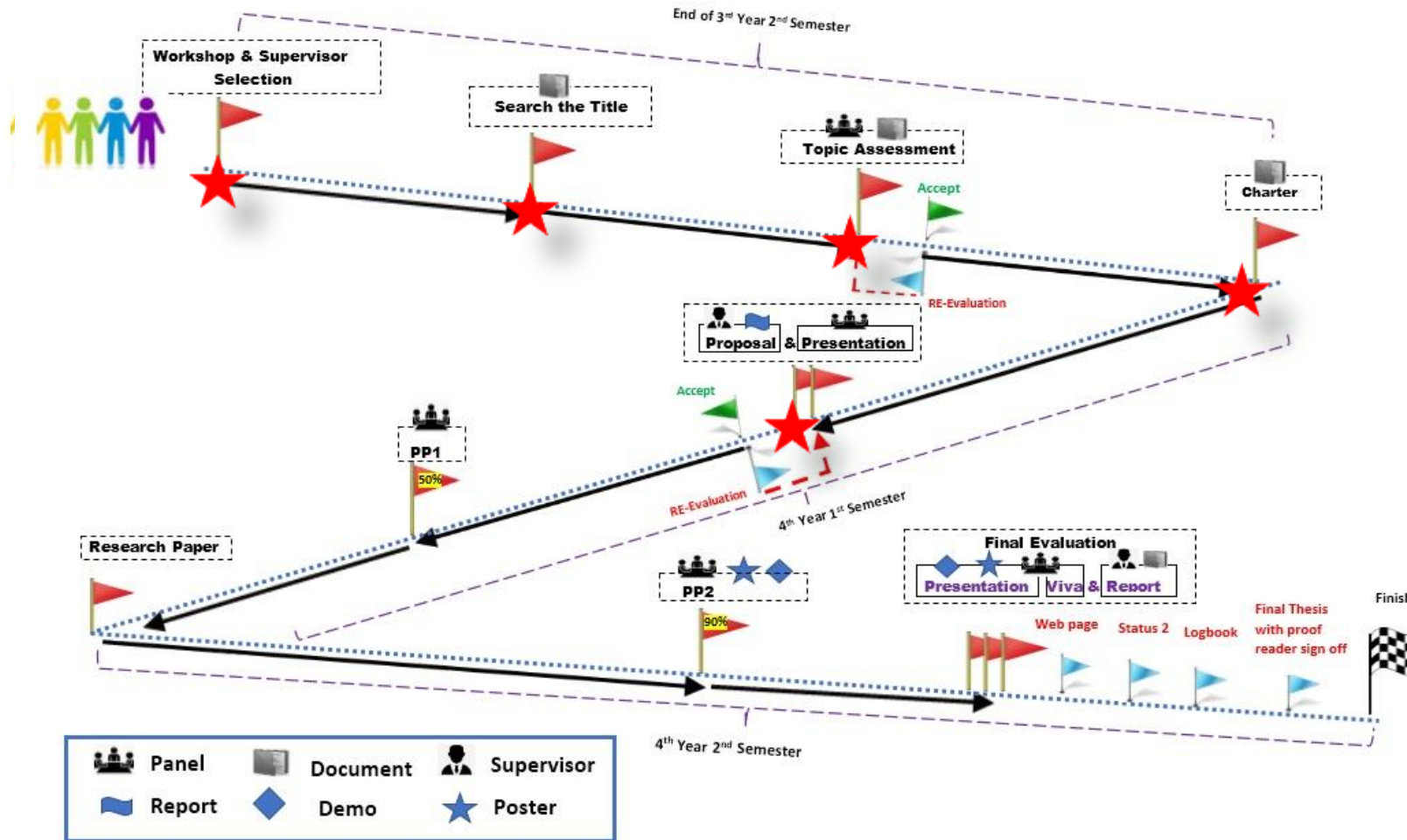
17th July 2024

A close-up photograph of a person's hand, wearing a white button-down shirt, pointing their index finger towards the right. The background is slightly blurred, showing more of the shirt and a hint of a device.

Mark your Attendance

	Brainstorming workshop	
24 th March	Group registration	
19 th April	Topic Assessment Form (TAF)	
1 st to 7 th July	Proposal reports (draft)	
	Proposal presentation	
5 th to 14 th Aug	Proposal reports (final-for marking)	
16 th August	Progress Presentation – I	
4-6 Dec	Status document I	
	Research paper	
	Final reports	
	Progress Presentation – II	
	Status document II	
	Research paper registration notification	
	Final presentation & VIVA	
	Project website	
	Research logbook	
	Final Report (proofread)	

At present





Importance



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

What will expect by the RP Team?



4 individual presentations about their individual components



All students must follow the given proposal template.



Report submission Deadline: 5th August 2024

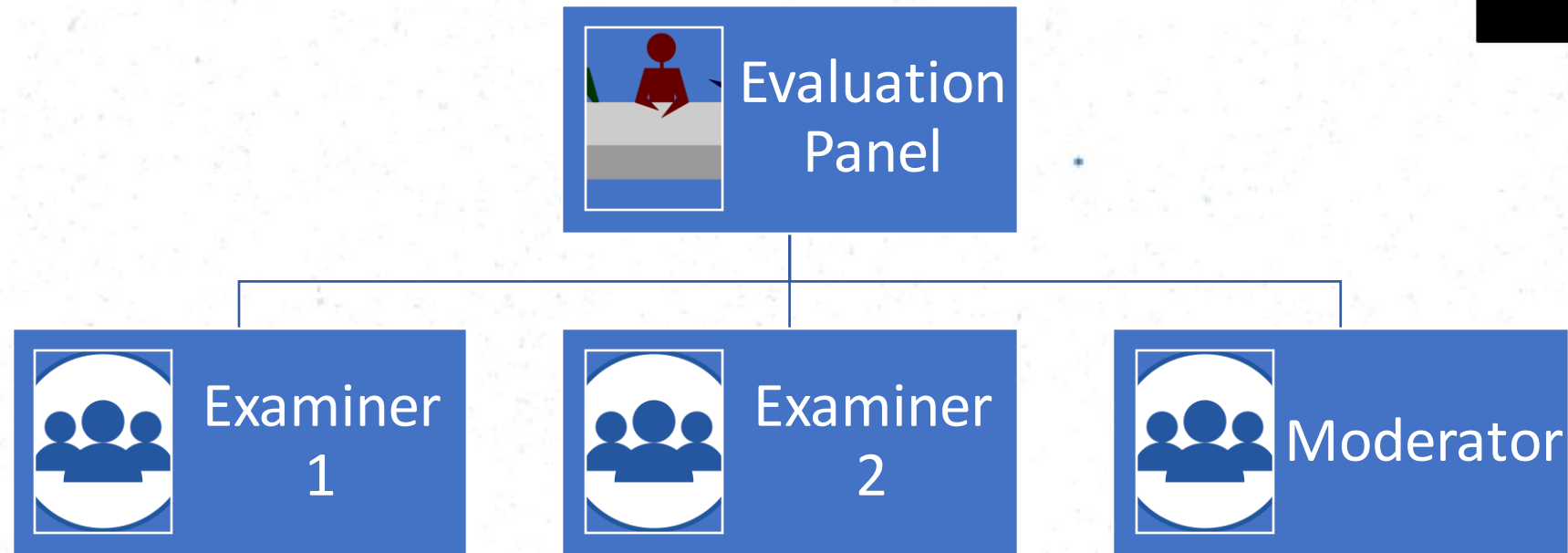
Presentation Details

Presentations from 5th to 14th August 2024



- Presentation (for all 4 members)
Q/A
Assign marks and comments
 - 20 mins.
 - 10 mins
 - 05 mins
- Total
 - 35 mins.
- Please come to the location 30 minutes before the scheduled time.
- No extensions will be given. All absentees will get zero marks.

Evaluation



- They use the same marking rubric to assess all groups

Structure of the Proposal Presentation



• Sections

Introduction to the overall project

Research Question

Objectives

Overall System Diagram

Student 1 explanation

Student 2 explanations

...

- Use the given template to prepare your Presentation
- The Presentation **MUST** have the sections as given

Structure of the Individual Section



Introduction

- Background/ Research Gap
- Research problem
- Specific and sub objectives

Proposed Methodology

- System Diagram (individual student's)
- Technologies to be used
- System, personal, and software Requirements specification
- WBS
 - Gantt Chart

Supporting Items

- Commercialization
- Budget

References

- Each student should add the IT number and the Name in each slide by following the given template



What is your duty throughout the year

What's a Project ?



An official method of handling a change



Has specific deliverables



Has defined start & end points



Has Project Team/Resources



Has measurable success



Measurable success criteria

What are Deliverables?



Activities needed to ensure the success of a Project



Identify the points of significant accomplishment

- A Major Milestone or Achievement or Checkpoints on the road to successful Project completion
- Something tangible/intangible
- Evidence of work accomplished

What are your main deliverables?



Project charter document

Project Proposal report

Prototype demonstration-Progress Presentation 1(PP1)

Final Trial presentation – Progress Presentation 2(PP2)

Status Document 1 and 2

Final report

Final Report (hard bound)

Final Product presentation

VIVA



Deliverables in Project Phases



Analysis

Initial Study Report
Requirement Statement
Outline Physical Design



Design

Design Statement



Development

Coded Software System



System Testing

Tested System



Acceptance

Accepted but uninstalled System



Implementation

Implementation Plan
Implemented & Documented System

Project Scheduling



- The process of determining activities, start and finishing dates in relation to a calendar after allowing for dependencies, time and resource constraints.

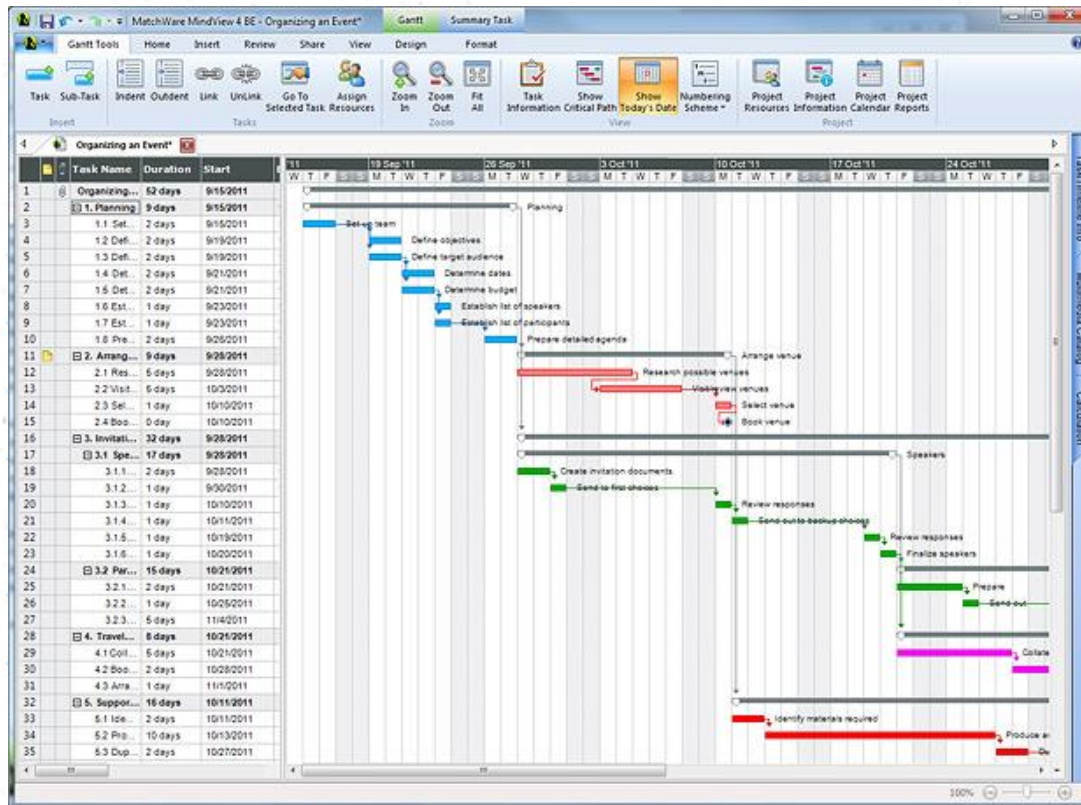
Project Scheduling – Gantt Chart



- Graphic aid to project planning & control time for project activities

Gantt Charts, illustrates;

- duration of each activity,
- shows which activities may occur simultaneously
- Indicates how closely a project is following its schedule
- shows who is responsible for each activity



Why need to manage Projects?



IT Projects has 'notorious' record of;

Over schedule (Late)
Over budget (Expensive)
Not meeting Requirements



Because it takes far too long & costs far too much...

To get something that we don't want and we can't use

Project should have



Project Manager (Group Leader)



Participants (members) and their respective Tasks



Project Supervisor



End Users

Project Management Concepts



Project Plan

Work out,
what is to be done,
by when and organize resources to meet them



Project Control

Work out,
what has been done
Determining what remains to be done
Taking corrective action when needed
Reporting Project Status

Marking Rubric

Sub Assessment Criteria	Excellent (100 - 75)	Good (74 - 60)	Average (59 - 40)	Below Avg. (39 - 0)	Marks [Out of 100]		
Proven gap/Creative Solution [Based on LO1] - [35%]							
Knowledge gap (Problem) with novel and creative solution 70%	Clearly argued the existence of knowledge gap using credible, multiple sources. Excellent justification for novelty and creativity.	Sufficiently argued the existence of knowledge gap using limited sources. Good justification for novelty and creativity.	Moderately argued the knowledge gap with very few or no sources. Average justification for novelty and creativity.	Knowledge gap is not clearly identified. Poor or No justification for novelty and creativity.			
2. Compare existing systems and related work 30%	Extensively compared the research problem in the present context of the research domain / with similar products and services.	Sufficiently compared the research problem in the present context of the research domain / with similar products and services.	Moderately compared the research problem in the present context of the research domain / with similar products and services.	Poorly compared or No comparison has been done			
Capability in applying the knowledge in particular stream [Based on LO2] - [30%]							
Application of key pillars in the specialized area of knowledge 50%	Clearly identified the most appropriate research area (Machine learning, Image processing, Data Science etc.)	Satisfactorily identified the research area.	Vaguely identified. But appropriateness is doubtful.	Indistinctly identified or Not identified.			
Application of technologies in the relevant key pillar/area 50%	Demonstrated full awareness of technologies in the relevant area and a critical evaluation of technologies proving selection of the best technology's.	Adequate awareness of technologies to be used and a good evaluation of technologies proving selection of the best technologies.	Moderate awareness of technologies to be used.	Poor or Zero awareness of technologies to be used.			
Solution Implementation [Based on LO3] - [5%]							
High-level System Architecture and identification of self-evaluation plan/criteria 50%	Brilliantly justified high-level SA with highly acceptable self-evaluation plan.	Adequately justified high-level SA with acceptable self-evaluation plan.	Barely justified high-level SA with fairly acceptable self-evaluation plan.	Poorly justified or No evidence of High-level SA with inappropriate or No self-evaluation plan.			
User Requirements / Functional Requirements 20%	Comprehensive and realistic user requirements and the functional requirements well described.	Comprehensive and realistic user requirements and the functional requirements adequately described.	Comprehensive and realistic user requirements and the functional requirements barely described.	Comprehensive and realistic user requirements and the functional requirements poorly described.			
Work Breakdown Structure (WBS) 30%	Comprehensive planning demonstrate in WBS, realistic time estimates and right workload distribution.	Good planning demonstrate in WBS, realistic time estimates and good workload distribution.	Satisfactory planning of WBS, barely feasible time estimates and acceptable workload distribution.	Poor or No planning of WBS, Unrealistic time estimates and unacceptable workload distribution.			
Effective Communication [Based on LO4] - [15%]							
Communication skills 60%	Excellent structure and smooth flow of the presentation. Excellent performance at the Q&A session.	Well-developed structure and good flow of the presentation. Good performance at the Q&A session.	Fairly developed structure and the flow of the presentation. Fair performance at the Q&A session.	Poorly developed structure and fragmented flow of the presentation. Poor performance at the Q&A session.			
Presentation skills 40%	Excellent stage presence, body language, eye contact, voice projection and clarity. Commendable use of visual aids. Excellent time management.	Good stage presence and body language. Use of visual aids. Hardly managed the time.	Average stage presence with no body language. Little or no use of visual aids. poor time management.	Poor stage presence. No use of visual aids. Poor time management.			
Ability of commercialization / potential for entrepreneurship [Based on LO5] - [15%]							
Ability of commercialization / potential for entrepreneurship 100%	Demonstrated sound evidence to prove business potential highlighting many achievable user benefits.	Sufficient evidence to prove business potential highlighting some achievable user benefits.	Few evidence to prove business potential with few user benefits.	Very few or No evidence to prove business potential with unachievable or No user benefits.			
Comments							

Common mistakes

- Presentation Content
- Time management
- Soft skills
- Technical issues



Questions?

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] IEEE DataPort, “How to Cite References: IEEE Documentation Style”, Online: <https://iee-dataport.org/sites/default/files/analysis/27/IEEE%20Citation%20Guidelines.pdf>, Accessed Dec 2020.