

Thesis Roadmap – Class 03

Research Problem • Writing & Presentation • Publication Strategy

Date & Time: September 8th, 9 PM

Organizer: Phitron AI/ML

Delivered By: Md. Sabbir Ahmed



What We'll Cover Today

This session provides a comprehensive guide to navigating your academic journey, from initial research to successful publication.

01

Research Problem Selection & Methodology

Identifying impactful questions and choosing the right approaches to answer them effectively.

02

Thesis Writing & Presentation Mastery

Crafting a compelling narrative and delivering an engaging presentation of your findings.

03

Publication Strategy & Submission Process

Understanding venues and navigating the path to sharing your research with the wider academic community.

Why Thesis Planning Matters

A well-structured thesis plan is the foundation for a successful and stress-free research experience.

Avoid Last-Minute Stress

Proactive planning minimizes pressure, allowing for thoughtful development and revision.



Ensure Quality & Originality

A clear roadmap guides thorough research, leading to robust, original contributions.



Build Academic & Career Profile

A strong thesis demonstrates expertise, opening doors for future academic and professional growth.



How to Choose a Research Problem

Selecting the right research problem is the critical first step for a meaningful and impactful thesis.

1

Relevant

Address current academic gaps and possess real-world impact or significance.

2

Feasible

Consider available time, data access, required resources, and personal skills.

3

Original

Identify a clear gap in existing literature to ensure a novel contribution.

4

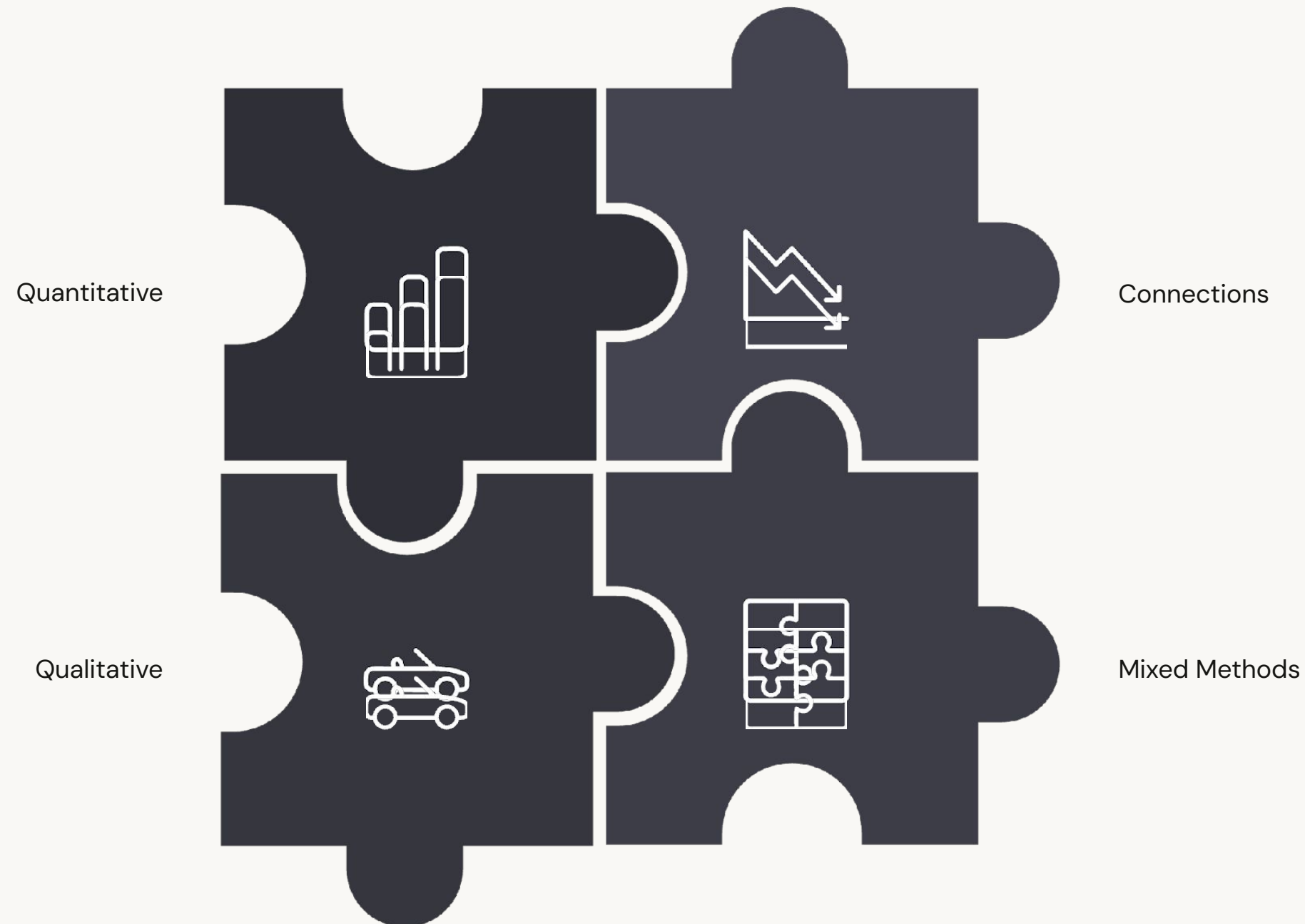
Aligned

Match your personal interests and expertise, as well as your supervisor's specialization.



Choosing the Right Methodology

The chosen methodology dictates how you collect and analyze data, directly impacting your thesis's validity.



Structuring Your Thesis

A well-organized thesis guides your readers seamlessly through your research journey.

Abstract & Introduction

Concise summary and setting the stage with background and research questions.

Literature Review

Demonstrating understanding of existing work and identifying research gaps.

Methodology & Results

Detailed description of your approach and presentation of your findings.

Discussion & Conclusion

Interpreting your results, their implications, and summarizing key contributions.

Future Work

Proposing directions for subsequent research and unanswered questions.

Presenting Your Thesis Effectively



Delivering a clear and engaging presentation is key to conveying your hard work and research impact.

- **One Idea Per Slide**

Maintain clarity by focusing each slide on a single, core message.

- **Leverage Visuals**

Use charts, diagrams, and high-quality images to illustrate complex concepts and data.

- **Practice & Refine**

Prepare a concise 3-minute summary and a detailed 10-minute deep dive to adapt to audience needs.

- **Anticipate Questions**

Prepare for challenging questions by identifying potential weaknesses or areas of inquiry.

Where to Publish Your Research

Choosing the right venue for your work maximizes its visibility and impact.

Conferences

Pros: Faster publication cycle, interactive feedback from peers, networking opportunities.

Cons: Often shorter papers, less rigorous review than journals.

Journals

Pros: Higher prestige and impact, more thorough peer review, broader dissemination.

Cons: Longer review process, often requires more extensive contributions.



Where to Publish Your Research

Choosing the right venue for your work maximizes its visibility and impact.

How to Select the Ideal Venue:

Scope Fit: Ensure the journal or conference's themes align perfectly with your research topic.

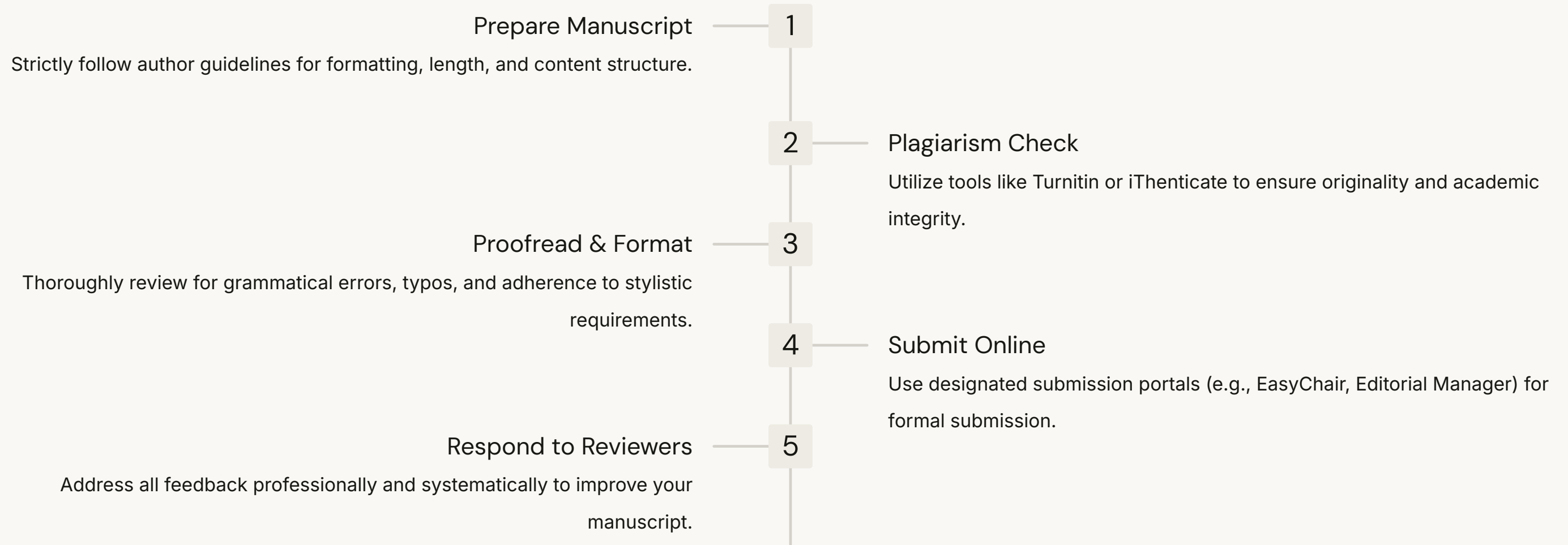
Indexing: Prioritize venues indexed in reputable databases like Scopus, Web of Science, IEEE, ACM, or Elsevier.

Impact Factor & Deadlines: Consider the venue's influence within your field and realistic submission timelines.



From Draft to Publication: The Submission Process

Navigating the submission process requires careful attention to detail and adherence to guidelines.






❌ Common Submission Mistakes:

- Submitting to a journal outside your paper's scope.
- Weak or poorly written abstract.
- Ignoring the target journal's specific formatting requirements.
- Not revising sufficiently based on reviewer comments.



Key Takeaways & Q&A

Your thesis journey is a significant achievement – embrace it as a learning experience.

-  **Start Early, Plan Ahead**
Proactive engagement with your thesis topic and structure will alleviate future pressures.
-  **Document Everything**
Maintain meticulous records of your research, data, and sources for efficiency and integrity.
-  **Treat it as a Research Journey**
View your thesis not just as a task, but as an exciting exploration and a personal growth opportunity.

Q&A Time!

We welcome your questions and insights to foster a collaborative learning environment.