

# 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.

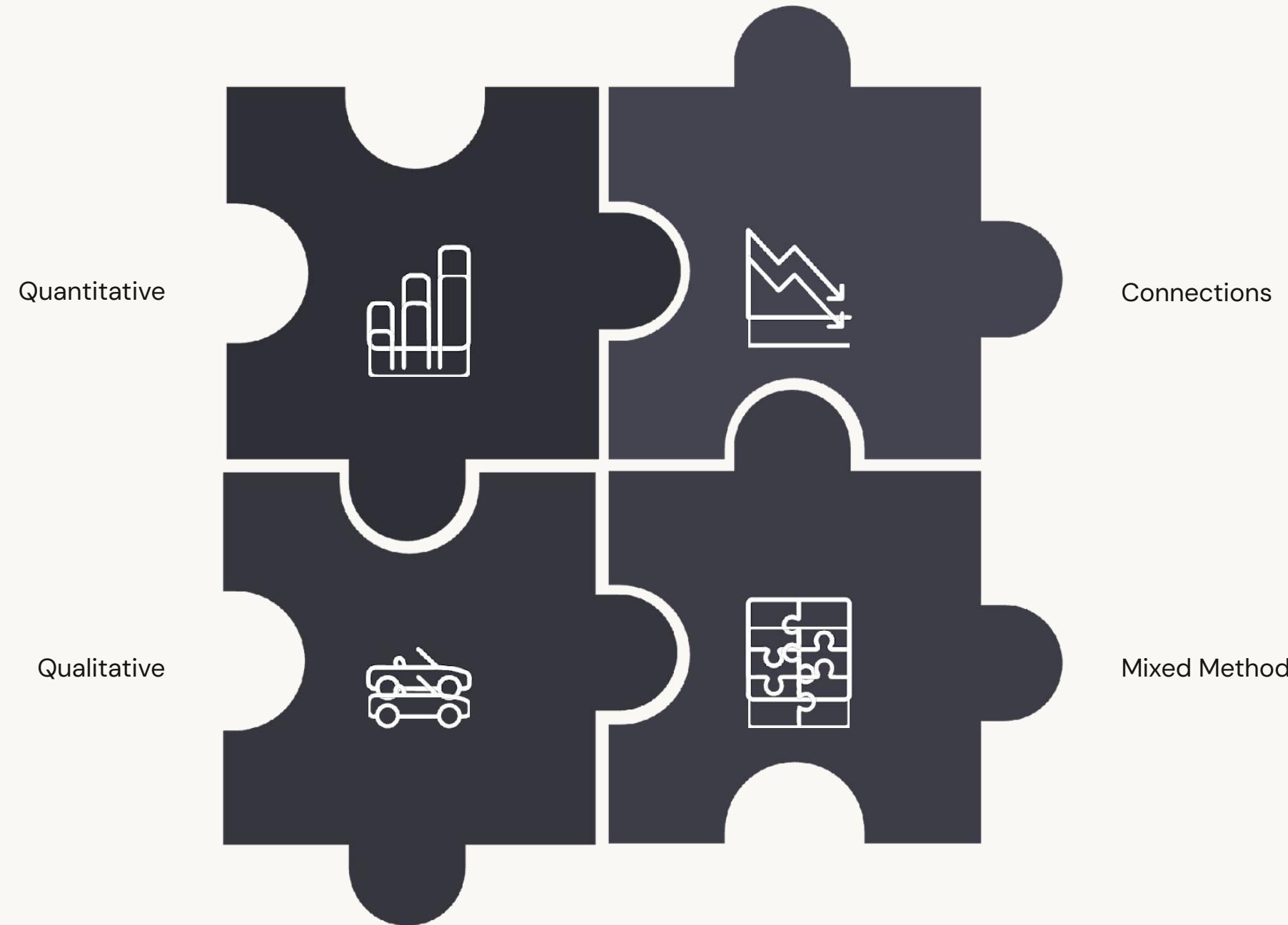
## 4 Aligned

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.

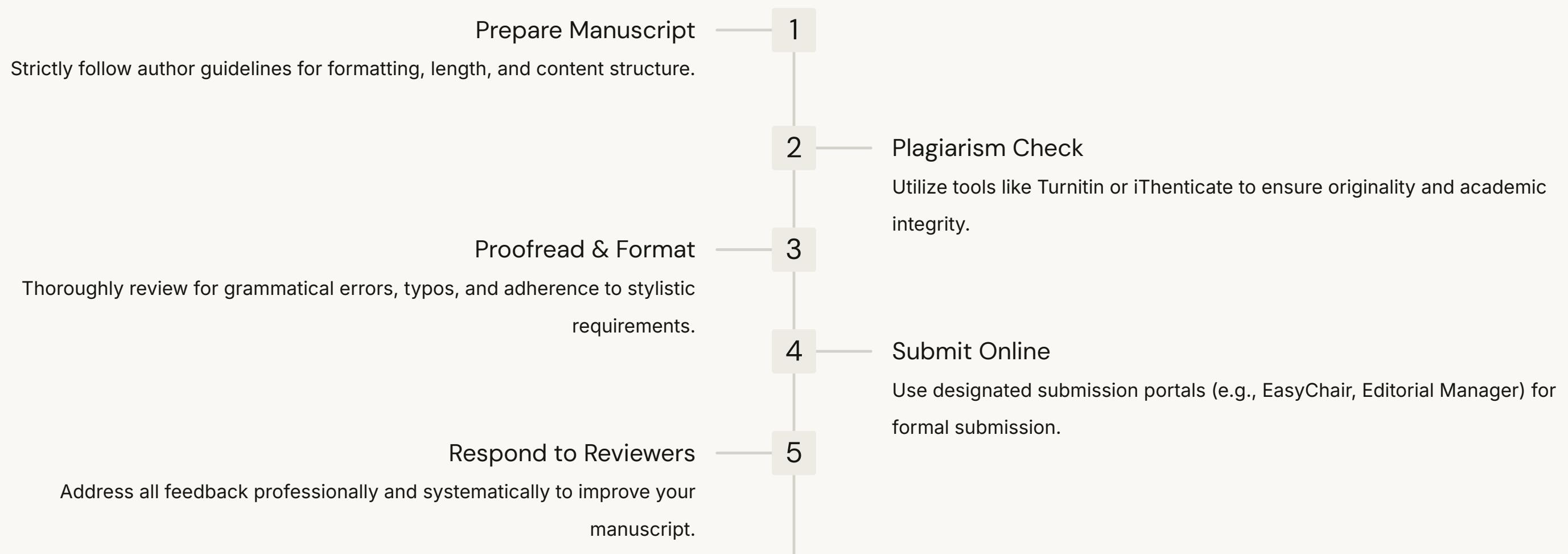
**Indexing:** Prioritize venues indexed in reputable databases like Scopus, Web of Science, IEEE, ACM, or Elsevier.

**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.