Title Slide

- Thesis Title
- Student Name
- Supervisor Name
- Department of Mechatronics Engineering

Introduction

- Introduce the topic and its relevance.
- Highlight industry and societal importance.

Background & Motivation

- Explain the context of the problem.
- Describe current technologies or systems.

Problem Statement

- State the defined engineering problem clearly.
- Explain constraints and complexities.

Research Gap

- Identify what existing research lacks.
- Justify why your work is needed.

Objectives of the Study

- List the main objectives of the thesis.
- Primary and secondary objectives.

Scope of the Work

- Define limitations and boundaries.
- Clarify what is included or excluded.

Literature Review

- Summarize important findings from literature.
- Highlight key methods and gaps.

System Overview / Block Diagram

- Insert high-level architecture diagram.
- Explain operational flow.

Methodology

- Describe the step-by-step methodology.
- Tools, analysis methods, frameworks.

System Design

- Provide mechanical, electrical, control, or computing design details.

Hardware Components

- List sensors, actuators, microcontrollers, and other components.

Software Workflow

- Show algorithms, flowcharts, simulations, and software structure.

Implementation

- Summarize fabrication, coding, assembly, and integration steps.

Experimental Setup

- Include lab setup images or tables.
- Test conditions and procedures.

Results

- Provide graphs, tables, charts.
- Show numerical outcomes.

Discussion

- Interpret results.
- Compare with expectations or literature.

Conclusion

- Summarize achievements.
- Highlight contributions.

Future Work

- List improvements.
- Propose next development steps.

References

- Add references in IEEE style.

Q&A

- Thank the audience.
- Invite questions.