**INFORMATION AND COMMUNICATIONS UNIVERSITY**

SCHOOL OF ENGINEERING

DEPARTMENT OF DESIGN AND TECHNOLOGY

# Guide for Final Year Thesis/Dissertation Defense Presentation

**Purpose of the Defense:**

- ✓ Your thesis defense is an opportunity to present and defend your research findings to a panel of examiners. Your presentation should:
- ✓ Clearly explain your research problem and objectives.
- ✓ Justify your research methodology and design approach.
- ✓ Present key results and their implications.
- ✓ Defend your findings confidently.

**Presentation Tips:**

✓ Stick to **15-20 slides** (keep it within **15-20 minutes**).
✓ **Summarize key points**—avoid excessive text.
✓ Use **visuals (diagrams, charts, graphs)** to support your points.
✓ Maintain **consistent and professional formatting** (font size, colors, layout).
✓ **Anticipate questions** and prepare strong answers.
✓ Be **clear, confident, and concise** during the presentation.

**PowerPoint Structure (15-20 Slides)**

**1. Title Slide**

- Project Title
- Your Name
- Institution
- Department
- Date of Defense

**2. Introduction (1 Slide)**

- Brief background of your research.
- Why is this research important?

**3. Problem Statement (1 Slide)**

- Clearly define the problem your research addresses.
- Explain its significance and impact.

**4. Objectives (1 Slide)**

- **Main Objective** – Overall goal of your research.
- **Specific Objectives** – Measurable tasks that lead to the goal.

**5. Significance of the Study (1 Slide)**

- Who benefits from your research?
- Practical applications and contributions to the field.

**6. Literature Review (2-3 Slides)**

- Summary of key research studies related to your work.
- Identified gaps in existing research.
- How your study addresses these gaps.

**7. Research Methodology (3-4 Slides)**

- **Design Concept** – Overview of your approach.
- **Materials and Tools Used** – Justification for material selection.
- **Technical Approach** – Engineering/design principles applied.
- **Testing Methods** – How you tested your prototype or system.

**8. Results and Discussion (3-4 Slides)**

- **Machine/Prototype Testing Results** – Present data (graphs, tables).
- **Findings** – Key insights gained from the study.
- **Interpretation** – Explanation of how results support your objectives.
- **Comparison** – How your results compare to previous studies.

**9. Challenges and Limitations (1 Slide)**

- Issues faced during the project.
- Limitations in methodology, materials, or data collection.

**10. Future Work and Recommendations (1 Slide)**

- Suggested improvements.
- How future research can build upon your findings.

**11. Conclusion (1 Slide)**

- Summary of key points.
- Final thoughts on the research impact.

**12. References (1 Slide)**

- Cite sources using the **Harvard Referencing System**.

**13.** Machine/Prototype demonstration

**14. Thank You / Q&A Slide**

- Invite questions from the panel