

Guidelines for Master's Thesis/Project proposal presentation in the Department of ICT, BUP

Guidelines for Thesis Proposal Presentation (≤ 10 Minutes)

1. Introduction and Literature Review (≤ 2.5 Minutes)

- i. Provide a concise introduction to the research problem, including necessary background and preliminaries to contextualize the study.
- ii. Clearly identify the existing research gaps and articulate the core contributions of the proposed work. A structured *gap–contribution mapping* is encouraged to enhance clarity.
- iii. While discussing prior studies, explicitly cite key works during the presentation. Merely listing references at the end is discouraged. Where applicable, present a brief comparative table summarizing relevant methods, datasets, and results from the literature.

2. Objectives and Expected Outcomes (≤ 1.5 Minutes)

- i. Present the research objectives concisely, ensuring consistency with the approved thesis proposal.
- ii. Clearly establish the linkage between objectives and expected outcomes, preferably using a visual or schematic representation to demonstrate alignment.

3. Methodology (≤ 5 Minutes)

Describe the proposed methodology succinctly and systematically. The presentation should include, as appropriate:

- i. **Methodological components** – A schematic or flow diagram of the proposed framework is strongly recommended.
- ii. **Datasets and experimental design** – Clearly specify data sources, preprocessing steps, and experimental setup (if applicable).
- iii. **Algorithmic or theoretical foundations** – Provide a proof sketch, algorithmic intuition, or conceptual explanation where relevant.
- iv. **Evaluation strategy** – Define evaluation metrics and outline the plan for comparison with baseline or state-of-the-art methods.

4. Preliminary Results (Optional)

Preliminary or pilot results may be presented only if time permits. This section is not mandatory and should not compromise the clarity of the core methodology.

5. Conclusion (≤ 1 Minute)

Summarize the motivation, objectives, and methodological approach of the proposed research, emphasizing its potential significance and expected contributions.

6. Back-up Slides

Prepare additional back-up slides to address potential questions or to provide deeper technical or methodological explanations if requested by the committee members.