

THESIS TITLE SUBMISSION AND MINI PROPOSAL FORM

Master of Information Technology Study Program

Academic Year {{ACADEMIC_YEAR}}

PURPOSE AND KEY REQUIREMENTS

This form is used to submit a thesis title and mini proposal. Its structure follows the 2026 Revised MTI Thesis Writing Guidelines, particularly the requirements for research proposals, proposal seminars, and thesis research proposal structure.

Completion instructions

Section	Guidance
Submission	Submission is individual. Provide two title options; complete the mini proposal for one priority title.
Eligibility	Students provide their current semester, CGPA, and completed credits. Academic eligibility is verified by the Administration/Study Program.
Title	The title must be concise, specific, and reflect the problem, object/artifact, and research context; avoid non-standard abbreviations.
Mini proposal	Describe the IT problem and context, state of the art, research gap, objectives/questions, contributions, methodology, data/artifact design, evaluation, and schedule.
Format	Use A4 paper, Times New Roman 12 pt for body text, a 4 cm left margin and 3 cm top, bottom, and right margins, with 1.5 line spacing. Table entries may use single spacing.

Note: administrative requirements, TOEFL, and proposal seminar attendance records are verified during registration for the Research Proposal Seminar, in accordance with Study Program requirements.

A. STUDENT IDENTITY AND SUBMISSION ELIGIBILITY

Full name	{{STUDENT_NAME}}
Student ID number	{{STUDENT_ID_NUMBER}}
Cohort	{{COHORT}}
Current semester	{{CURRENT_SEMESTER}}
Active email address	{{ACTIVE_EMAIL}}
WhatsApp number	{{WHATSAPP_NUMBER}}
Research cluster/area of interest	{{RESEARCH_CLUSTER_AREA}}
Submission type	{{SUBMISSION_TYPE}}

Academic eligibility information

Component	Completed by student	Administration/Study Program verification
Current CGPA	{{CURRENT_CGPA}}	{{CGPA_CHECK}}
Completed credits	{{CREDITS}}	{{CREDITS_CHECK}}
Completed at least two semesters	{{SEM_STATUS}}	{{SEM_CHECK}}
Compliance with submission requirements	{{ELIGIBILITY}}	{{ADMIN_CHECK}}

B. THESIS TITLE PROPOSAL**RESEARCH DIRECTION**

The thesis topic must align with the research roadmap of the Study Program/faculty member, relevant partner or industry needs, and developments in Information Technology. Ensure that the problem, scope, contribution, and feasibility of data/artifacts are measurable.

B.1 Title Option 1

Proposed title	{{TITLE_OPTION_1}}
Research cluster/topic	{{TOPIC_OPTION_1}}
Object/data/partner	{{OBJECT_DATA_PARTNER_1}}
Data/artifact availability	{{DATA_ARTIFACTS_1}}

Summary of title option 1

Briefly describe the IT problem and context, preliminary research gap, proposed approach/method, and expected contribution (maximum 150 words).

{{TITLE_OPTION_1_SUMMARY}}

B.2 Title Option 2

Proposed title	{{TITLE_OPTION_2}}
Research cluster/topic	{{TOPIC_OPTION_2}}
Object/data/partner	{{OBJECT_DATA_PARTNER_2}}
Data/artifact availability	{{DATA_ARTIFACTS_2}}

Summary of title option 2

Briefly describe the IT problem and context, preliminary research gap, proposed approach/method, and expected contribution (maximum 150 words).

{{TITLE_OPTION_2_SUMMARY}}	
Title selected for the mini proposal	{{PRIORITY_TITLE}}

C. THESIS MINI PROPOSAL FOR TITLE OPTION 1

(Duplicate this section for title option 2.)

Priority title	{{MINI_PROPOSAL_TITLE}}
Area of interest	{{MINI_PROPOSAL_AREA_OF_INTEREST}}
Keywords	{{MINI_PROPOSAL_KEYWORDS}}

C.1 Proposal Summary

Summarize the problem, objectives, object/data, method, evaluation plan, and expected contribution (maximum 250 words).

{{PROPOSAL_SUMMARY}}

C.2 Introduction

Background and rationale

Describe the IT problem context, stakeholder needs, preliminary evidence, and the reason the research is important. Briefly relate it to an unresolved weakness or need.

{{BACKGROUND_AND_RATIONALE}}

Research problem or research question

State a clear, focused, and evaluable question. Explain important assumptions or constraints where necessary.

{{RESEARCH_PROBLEM_OR_QUESTION}}

C. THESIS MINI PROPOSAL - CONTINUED

Research objectives

State the research objectives concisely, clearly, measurably, and in alignment with the research problem.

{{RESEARCH_OBJECTIVES}}

Expected benefits and contributions

Explain the expected scientific and technical contribution (method/model/system/artifact), as well as practical benefits for users, organizations, industry, or society.

{{EXPECTED_BENEFITS_AND_CONTRIBUTIONS}}

Scope and limitations

Specify limitations related to the problem, object/data, platform/environment, method, test scenarios, metrics, and relevant security or ethical provisions.

{{SCOPE_AND_LIMITATIONS}}

C.3 Literature Review, State of the Art, and Research Gap

Relevant concepts/theories and previous studies

Explain the concepts, theories, methods, technologies, or standards underpinning the research. Use credible and current scholarly sources; do not merely reproduce definitions.

{{RELEVANT_CONCEPTS_THEORIES_AND_STUDIES}}

Summary matrix of previous studies

Source	Problem/data	Method	Findings or limitations
{{S1_SRC}}	{{S1_DATA}}	{{S1_METHOD}}	{{S1_RESULT}}

Source	Problem/data	Method	Findings or limitations
{{S2_SRC}}	{{S2_DATA}}	{{S2_METHOD}}	{{S2_RESULT}}
{{S3_SRC}}	{{S3_DATA}}	{{S3_METHOD}}	{{S3_RESULT}}

State-of-the-art analysis, research gap, and proposed solution design

Compare existing approaches, identify a specific and testable gap, then explain how the proposed solution design/conceptual framework addresses that gap. Add a diagram in the appendix if needed.

{{SOTA_GAP_SOLUTION}}

D. RESEARCH METHODOLOGY DESIGN**D.1 Research design and main stages**

State the research type (e.g., experiment, system development, case study, survey, or design science) and workflow from problem identification to evaluation.

{{RESEARCH_DESIGN}}

D.2 Data/artifact sources and management

Explain the data/artifact type, source, quantity/period, acquisition method, selection criteria, permissions, quality, cleaning/labelling/anonymization, and privacy and usage-right protections.

{{DATA_ARTIFACTS}}

D.3 Model, system, or solution design

Explain the architecture/components, functions, data/process flow, algorithms/methods/technologies, and their relationship to the research gap.

{{MODEL_SYSTEM_DESIGN}}

D.4 Experimental or implementation environment

State the hardware/software, framework or simulator version, key configuration, and field conditions or implementation scenario.

{{EXPERIMENT_ENVIRONMENT}}

E. EVALUATION, TRACEABILITY, AND SCHEDULE

E.1 Variables/indicators, baselines, and evaluation metrics

Specify the independent, dependent, and control variables or analysis indicators/dimensions. Explain the baseline/comparator, success metrics, and the rationale for using them.

{{VARIABLES_METRICS}}

E.2 Evaluation protocol

Describe the scenarios, data split or number of repetitions, parameters for each method, fair comparison procedures, and additional analyses such as statistical testing, error analysis, or sensitivity testing where relevant.

{{EVALUATION_PROTOCOL}}

E.3 Plan for traceability, reproducibility, and generative AI use

Describe documentation for code/datasets/parameters/configurations/logs, artifact availability, management of restricted data, and disclosure of generative AI tool use where applicable.

{{TRACEABILITY_AI}}

Research schedule (six-month example; adapt to the work plan)

Activity	M1	M2	M3	M4	M5	M6
{{ACTIVITY_1}}	{{X}}	{{X}}	{{X}}	{{X}}	{{X}}	{{X}}
{{ACTIVITY_2}}	{{X}}	{{X}}	{{X}}	{{X}}	{{X}}	{{X}}
{{ACTIVITY_3}}	{{X}}	{{X}}	{{X}}	{{X}}	{{X}}	{{X}}

Preliminary reference list

List at least five relevant and current scholarly references. Use a reference management application and check the completeness of the metadata (author, year, title, source, DOI/URL).

{{PRELIMINARY_REFERENCES}}

F. STUDENT DECLARATION

DECLARATION

I declare that the information, title, and mini proposal submitted are accurate and prepared with academic integrity. I agree to follow the title-selection process, revise the proposal in response to Selection Team feedback, and disclose any use of generative AI in research processing or writing.

Submitted by

Student Name

Student ID Number

G. ADMINISTRATION AND TITLE SELECTION TEAM

G.1 Administrative Verification

Component	Status	Notes
Student identity and academic eligibility		
Two title options		
Mini proposal completeness		

G.2 Thesis Title Selection Result

Selection result status	
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Recommended title	
Recommended research cluster/expertise	
Required revisions or Selection Team notes	
Revision deadline (if applicable)	
Selection date: Acknowledged by, MTI Program Coordinator Dr. Eng. Agussalim, S.Pd., MT.	

Thesis supervisor(s) shall be appointed after the title-selection result is finalized, in accordance with Study Program procedures and applicable thesis supervision provisions.