

Innopolis University

Final Thesis Assessment

The supervisor should assess the project using the attached marking sheet. It comprises four parts.

The first part relates to the student's performance during the project, including the initial specification and interim progress reports.

The second part relates to the project outcome. This can take two forms, depending on the nature of the goals of the final thesis: system development or research-oriented investigation.

In the case of a thesis that focuses on system development, the outcome will take the form of the design, implementation, test, and evaluation of a complete system.

In the case of a thesis that focuses on a research-oriented investigation, the outcome will take the form of an analysis of the subject area, a synthesis of a specific conjecture or hypothesis, empirical validation of the proposed model, and critical appraisal of the empirical or theoretical results.

The third part relates to the project report, i.e. the thesis itself, which is assessed under the headings of organisation & clarity, technical contents, and conclusions & references.

Finally, the fourth part relates to the student's final presentation.

Innopolis University

Final Thesis Assessment

Student Name:

Thesis Title:

Supervised by:

Summary of Marks Awarded

Criteria		Percentage of Total	Mark Awarded (0-100)	Date
Project Execution (15%)	Project Specification	5 %		
	Interim Progress	10 %		
Thesis type: System Development / Research Investigation	System Design / Analysis & Synthesis	15 %		
	System Implementation / Empirical or Theoretical Validation	20 %		
	Testing and Evaluation / Critical Appraisal of Results	10 %		
Project Report (30%)	Organization and Clarity	5 %		
	Technical Content	15 %		
	Conclusions and Future Work	10 %		
Final Presentation (10%)		10 %		
TOTAL*		100 %		

*Classification:

80% -100%	Project is an outstanding piece of work of a standard that should lead to an internationally recognized publication. Presentation is approaching professional standard.
70% - 79%	Project is excellent and may contain publishable material. Presentation is excellent.
60% - 69%	Project and presentation are very good. All design aims are met.
50% - 59%	Project and presentation are good. Most design aims are met.
40% - 49%	Minimum core of design aims has been met. Presentation is satisfactory.
0% - 39%	Most design aims are not met and implementation does not work. Presentation is not satisfactory.

1. Project Execution

1.1 Project Specification (5% of total mark)

Mark (0-100):	
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The student should submit an initial report with a complete project specification. A project schedule and plan with task breakdown should also be included.

The mark is based on the following:

- Clarity and completeness of the project objectives, requirements, and plan.
- Overview of background material.

Thesis type: system development

- Description of the functionality of the system to be designed.
- Discussion of parameters affecting performance of the designed system, and limitations & restrictions of the system.

Thesis type: research investigation

- Description of the goals of the investigation to be carried out in the project.
- Discussion of the criteria or metrics to be used to assess the outcome of the investigation.

1.2 Interim Progress (10% of total mark)

Mark (0-100):	
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The student should submit an interim progress report. The mark is based on the following:

- Summary of the background material and relevant literature.
- Comprehensive review of the status of each task and sub-task of the project.
- Description of changes to the specification.
- Discussion of interim results.

Thesis type: system development

- Overview of the theory used as the basis for the computational model to be used when designing the system.

Thesis type: research investigation

- Overview of the theory used as the basis for the specific conjecture or hypothesis that the project seeks to validate.

2. Project Outcome

2.1 System Design / Analysis & Synthesis of Subject Matter (15% of total mark)

Mark (0-100):	
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The mark is based on the answers to the following questions:

Thesis type: system development

- Does the student show that the design meets the requirements & specification?
- Has a theoretical model been used or developed?
- Has a formal design methodology been adopted and, if so, properly used?
- Is the design well structured (e.g. is it hierarchical, are there well-identified interfaces and is there a functional specification for each sub-system)?

Thesis type: research investigation

- Are all the factors, empirical or theoretical, affecting the investigation analyzed and coherently summarized?
- Has a theoretical model been used or developed?
- Is a clear research question in the form of an explicit conjecture or hypothesis formulated and discussed?
- Are appropriate validation criteria identified and described?

2.2 System Implementation / Empirical or Theoretical Validation (20% of total mark)

Mark (0-100):	
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The mark is based on the answers to the following questions:

Thesis type: system development

- Is the design of the software or hardware fully implemented?
- Is the implementation modular?
- Is the final system of high quality (*i.e.* elegant or robust implementation consistent with industrial standards)?

Thesis type: research investigation

- Have appropriate studies been conducted sufficiently well to address the research question (by simulation or other means)?
- Are the empirical tests well designed with clearly defined parameters and measurable outcomes?
- Are the empirical tests sufficient to arrive at a convincing conclusion or answer to the research question?

2.3 Testing & Evaluation / Critical Appraisal of Results
(10% of total mark)

Mark (0-100):	
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The mark is based on the answers to the following questions:

Thesis type: system development

- Are the test cases clearly identified and test results clearly documented?
- Are all faults clearly documented and catalogued?
- Has the student compared the system performance with those of other systems or with benchmark metrics?

Thesis type: research investigation

- Have the results been clearly presented in a manner that makes explicit their relationship to the research question?
- Do the results include some estimate of error or reliability?
- Has the student compared the results with those of other systems or with benchmark metrics?

3. Thesis Report

3.1 Organization & Clarity (5% of total mark)

Mark (0-100):	
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The mark is based on the answers to the following questions:

- Is the abstract representative of the content of the report?
- Is there evidence that the student has read a representative amount of relevant material (a minimum 10 references are required)? Is this material properly cited?
- Is the report logical in its development of the material?
- Are grammar and spelling generally correct?
- Is the phraseology clear and concise?

3.2 Technical Content (15% of total mark)

Mark (0-100):	
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The mark is based on the answers to the following questions:

- Does the student demonstrate mastery of the domain?
- Is the student's synthesis of the relevant material compelling?
- Has the student explained all the issues in his or her own words or recycled significant amount of the text from other sources?¹

3.3 Conclusions and Future Work (10% of total mark)

Mark (0-100):	
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The mark is based on the answers to the following questions:

- Are conclusions well written?
- Are the student's conclusions or insights significant?
- Has he or she presented an objective and thorough appraisal of his or her achievements?
- Does the student make clear what he or she has learned from the project?
- Does he or she present ideas on future work related to his or her project?
- Does he or she understand the relevance and importance of the work presented in the thesis?

¹ Recycled material typically takes the form of attributed quotation of the work of others. Unattributed copying without citing the source is plagiarism and is a serious offence.

4. Final Presentation

4.1 Final Presentation (10% of total mark)

Mark (0-100):

The mark is based on the answers to the following questions:

- Has the student covered all of the relevant issues?
- Was the presentation clear and concise?
- Was the student confident of his or her subject matter?
- Did he or she make the subject matter interesting?
- Did he or she answer questions well?

Comment on Project Specification (Mandatory):

Comment on Interim Progress (Mandatory):

Comment on the overall performance of the student and the quality of the project outcome (Mandatory):

Use additional pages if necessary.