Graduation project EE - Master graduation project grading guidelines

Give sub-grades on a scale of 0-10 for the five categories.

The checkmarks per aspect are meant for clarification, motivation, and documentation of the sub-grades. The comment fields are meant for additional qualitative feedback, summarizing strengths and weaknesses.

For the sub-grades per category, follow the following guidelines:
10 – excellent – top 2%, 9 – very good – top 5%, 8 – good, 7 – satisfactory, 6 – sufficient, <6 – insufficient

For the motivation and documentation scores per aspect, follow the following guidelines:
E – Excellent, VG – Very Good, G – Good, S – Sufficient/Satisfactory, I – Insufficient

Clarification of categories

Specialization
- Quality of literature review
  Orientation on literature, identification of relevant sources, evaluation and interpretation of sources.
- Level of specialized knowledge
  Level of knowledge and technical skill set relevant for execution of research project.
- Disciplinary knowledge
  Broader knowledge on research area, total skill set, insight in scope and context of research, discipline of EE.
- Ability to connect problem definition to research field/sub-questions
  Ability to deconstruct research problem(s) in sub-problems, connect to knowledge, and synthesize solutions.

Research and design skills
- Formulation of research questions
  Quantification and clarity of problem formulation, clarity of research for project aims, formulation of sub-goals.
- Quality and quantity of established results
  Quality of results in terms of scientific and/or functional value. Quantity of results in view of project time.
- Creativity, originality, innovative value
  Originality of contributions, creativity of solution(s), innovative value.
- Critical attitude towards results, methods, scope and perspective of research
  Ability to critically assess, analyze and defend the relevance of contributions, scientific way of working.

Execution
- Level of independence
  Pro-activity and independence in execution and organization, networking activities for acquiring knowledge.
- Commitment and dedication
  Commitment in the project, problem-ownership, dedication, level of responsibility, responsibility as team member.
- Time planning
  Effectivity of time planning, ability to adhere to planning or adjust planning where necessary, general timing.
- Effectiveness
  Ability to communicate with specialists and peers, organization of research, preparation/effectiveness of meetings.

Report
- Readability of report
  Formulation, ease of understanding, perceptibility, correctness of English, good use of figures, graphs and tables.
- Problem formulation
  Clarity of main objectives, problem definition, formulation of sub-questions.
- Quality of content
  Scientific quality of report, clarity of summary, clarity of exposition, clarity of figures, clarity of reasoning, accuracy of proofs, (suitability for publication).
- Structure and organization of report
  Introduction, literature review, problem formulation, methodology, analysis and results, conclusions.
Presentation and defense

- Coverage of research outcomes
  Clarity of problem formulation, clarity on contributions and main conclusions from the research. Choice and relevance of presented material.
- Presentation skills
  Didactic quality of presentation, clarity, pace, self-confidence, correctness of formulations, accuracy of timing, fitting for audience, ability to attract attention and interest from audience.
- Quality of supporting material
  Effectiveness of visual support (slides), quality of demonstration, sound or other equipment.
- Discussion skills
  Initiative and initiation of discussion, flow and focus in discussion, confidence in responses.