Graduation project EE - Halfway evaluation grading guidelines

For the motivation and documentation scores per aspect, follow the following guidelines:

E – Excellent (top 2%), VG – Very Good (top 5%), 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.