Lab Task Assessment

Component	Criterion	Item
Report (80% in total)	Format (10%)	☐ The page limit is not exceeded (max 5 pages, excluding appendix, bibliography, etc.) ☐ Required LaTeX template is used ☐ The report is error-free: i.e. no spelling, grammatical, and punctuation errors, no self-terminology ☐ Appropriate credit to utilized work of others (e.g. 3rd party software, publications, media, etc.) is provided, by means of references
	Visual materials (5%)	☐ Appropriate types of visual materials (figures, tables, graphs) are used to illustrate presented concepts ☐ There is a clear link between the visual materials and the results presented ☐ Visual materials provide support for the presented results ☐ Visual materials are fully legible and complete (contain caption, title, axis titles, units, legend) ☐ Captions are self-explanatory
	Abstract (5%)	☐ Abstract is concise ☐ Abstract makes a reader curious ☐ Abstract is clear to a reader unfamiliar with the report's topic ☐ In abstract authors give an appropriate overview of the research, in terms of the research' purpose/research questions, used methods, obtained results, and a drawn conclusion
	Introduction (5%)	☐ Introduction includes an overview of relevant prior research works ☐ Authors explain differences between existing state-of-the-art methods ☐ In introduction authors clearly state why selected methods were used (and any novel contributions they made)
	Material and Methods (15%)	☐ Main steps of the research work are identified and described ☐ Authors provide a detailed summary of methods used at agent level and a pseudocode (when applicable) ☐ Authors describe conducted experiments and their setting/conditions/parameters ☐ Experiments are structured in an organized fashion; separate experiments are identified as such ☐ Experiments are motivated (Why is the experiment done? What is the aim of it?)
	Results (15%)	☐ The values presented are properly analyzed and related to each other ☐ Results of all the conducted experiments are presented ☐ Results produced by each used method are compared with each other for all relevant experiments
	Discussion (15%)	☐ Discussion includes analysis of the obtained results (What can be seen from the results? Are the results as expected? If not, then what might be the reasons?) ☐ Discussion of the experiment results is linked to the experiment's motivation and goals (Was the outcome coherent with the initial expectations? What can be a cause of this?) ☐ Discussion is concise, in-depth, and relevant for answering the stated research questions ☐ Discussion is complete and critical w.r.t. strengths and limitations of the used methods, as well as new insights and hypotheses uncovered during research work
	Conclusion (10%)	☐ Authors summarize the work and obtained results ☐ Authors highlight key achievements of the work related to the product (software) and the experiments conducted ☐ Authors address the limitations of their work ☐ Authors include concrete suggestions for future research and state new research questions ☐ Conclusions are correct, clear, and substantiated with strong arguments
Software (20% in total)	Quality (20%)	☐ The software does not crash while running, and works with different initial inputs (data type of variables is checked and boundary-value analysis is performed) ☐ The software does not violate assumptions/limitations mentioned in Assignment Description document ☐ Output values fulfill the requirements mentioned in Assignment Description document ☐ There is a direct correspondence between the software and the report, i.e. the software can be used to replicate results mentioned in the report ☐ The connection between output and input is rational ☐ The output is not wrong with several tested input values