

## Project Report Rubric

Category	Scoring Criteria	Total Points
<b>Abstract</b>	The abstract briefly summarizes the paper, capturing main points	5
<b>Introduction</b>	Introduction clearly defines the application (C1) and appropriately motivates the problem (C3)	10
	Introduction places the study in the context of previous art and cites adequately related articles	5
	Introduction briefly describes the constraints (C4) and the problem formulation (C2)	10
<b>Methods</b>	Problem formulation is stated clearly (C2)	5
	Datasets and resources are described (C5)	5
	Detailed description of the designed solution (including implementation) is provided (figures should be used)	10
	Detailed description of the evaluation approach is provided (C7). This includes: <ul style="list-style-type: none"> <li>- how cross-validation or data splitting is performed</li> <li>- what metrics and why are used to assess satisfying the constraints</li> </ul>	10
	Description of alternative solutions (baseline models) are provided in enough details (C8)	5
<b>Results</b>	Using tables / figures and appropriate quantitative metrics, performance of solution (with regards to the constraints) are assessed and are compared to alternative solutions (C9, C10)	15
<b>Conclusion</b>	Limitations and advantages of the designed solution are discussed (C11)	10
<b>Quality of writing</b>	The report is well written and easy to follow	5
	Figures and tables are effectively used to convey the results and methodology	5
	<b>Total Points</b>	<b>100</b>

You should use the items below to guide your report writing (incorporate them in different sections of the report as appropriate):

- C1) Define the application you focused on
- C2) Formulation of the problem you considered
- C3) Description of reasons that a solution was needed for the problem
- C4) Characterization of constraints that were important for the application and problem
- C5) Description of resources and datasets
- C6) Detailed description of your designed solution (including implementation)
- C7) Detailed description of your evaluation approach
- C8) Description of alternative solutions
- C9) Description of results of your design's evaluation & how it achieves constraints in C4
- C10) Comparison of your design with alternative solutions in achieving the constraints in C4
- C11) Limitations and advantages of your designed solution

Your report **must** be organized under the following sections:

- 1- Abstract
- 2- Introduction: provide the background and motivation of your project. Incorporate items C1, C2 (at high-level), C3, C4
- 3- Methods: describe (in details) the methodology. Incorporate items C2 (more details), C5, C6, C7, C8
- 4- Results: describe (quantitatively) how your design achieves the constraints in C4 and compare to alternative methods. Incorporate items C9, C10 (quantitatively).
- 5- Discussion and Conclusions: discuss the results and conclusions. Explain how (and whether) your designed solution achieved the constraints in C4, and if not, why. Incorporate item C11.
- 6- References