

PROJECT RUBRIC – COMP 4107 NEURAL NETWORKS

Project Proposal			
	<i>0 Points</i>	<i>1 Point</i>	<i>Grade</i>
<i>Front matter</i>	Some information is missing.	Project title, course code, and names of all group members present.	
<i>Background</i>	Background information on the project's topic is missing/unclear/vague.	Sufficient background information is provided to understand the topic.	
<i>Objective(s)</i>	Description of specific objectives is missing/unclear/vague.	The project's primary objectives(s) are specific and clear.	
<i>Method(s)</i>	Description of methods is missing/unclear/vague.	The specific methods to be used are described in detail.	
<i>Dataset</i>	Specific dataset or justification for not needing a dataset is missing/unclear/vague.	Specific dataset is identified or protocol for procuring dataset is specified or it is clear why no dataset is needed.	
<i>Validation</i>	Strategy for evaluating the performance of the methods is missing/unclear/vague.	Strategy for evaluating the performance of the methods is clear and sound.	
<i>Novelty</i>	Description of how the project will differ from prior work is missing/unclear/vague.	Description of how the project will differ from prior work is clear.	
<i>Weekly schedule</i>	Schedule is missing/unclear/vague.	Schedule clearly indicates what milestones are to be accomplished each week of the term.	
<i>Availability</i>	Preferred timeslots are missing/unclear/vague.	Preferred timeslots and preference for online vs. in-person are correctly indicated.	
<i>GPU needs</i>	It is unclear whether a SCS GPU is required.	It is made clear whether a SCS GPU is required.	
<i>Overall</i>	/10		

Comments:

Project Demonstration				
	0 Points	3 Points	6 Points	Grade
<i>Background</i>	Background information on the project topic and description of the project's importance are missing or unclear.	Some background information on the project topic or some information on the project's importance is provided.	Sufficient background information is provided to appreciate the demonstration. Objectives are clearly described.	
<i>Code</i>	The source code for the implementation is not shown.	Source code is shown, but it is difficult to follow, or the level of detail is not appropriate.	Source code is clearly described at an appropriate level of detail.	
<i>Examples or Scenarios</i>	The implementation is not shown to work on any example cases or scenarios.	The implementation is demonstrated on an example case or scenario with limited detail.	The implementation is demonstrated on several examples or scenarios with many details provided.	
<i>Interactivity</i>	The implementation is not run during the demonstration.	The implementation is run, but there are no interactive elements or inputs cannot be specified.	This implementation is run, and the demonstration allows interaction or inputs to be specified.	
<i>Technical Questions</i>	Technical questions are not interpreted nor answered correctly or thoroughly.	Technical questions are adequately addressed, but responses reveal some lack of understanding of the topic.	Technical questions are interpreted well and answered thoroughly, showing a detailed understanding of the topic.	
<i>Overall</i>	/30			

Comments:

Project Report				
	0 Points	2 Points	4 Points	Grade
<i>Background & Motivation</i>	Background information on the project topic and description of the project's importance are missing or unclear.	Some background information on the project topic or some information on the project's importance is provided.	Comprehensive background on the project topic is provided such that the purpose of the project is clear and the motivation for why the work is important is described.	
<i>Related/Prior Work</i>	Related/prior work is missing or unrelated to the topic.	A few related/prior works are identified, but analysis is lacking.	Many relevant related/prior works are identified, and a thorough analysis of such work is provided.	
<i>Objectives</i>	Objectives are missing or unrelated to the topic.	Objectives are tangentially relevant to the topic or unclearly described.	Project objectives are relevant to the topic and clearly and concisely described.	
<i>Methods Appropriateness</i>	Methods are not appropriate to address the objectives.	Methods partially address the objectives.	Methods are clearly described and well-suited to address the objectives.	
<i>Methods Complexity</i>	Methods are too simple to address the objectives.	Methods are sufficient to partially address the objectives.	Methods are sophisticated and fully address the objectives and all their nuance.	
<i>Methods Analysis</i>	The motivation for the chosen methods is unclear.	Some motivation for the chosen methods is provided.	Motivation for the chosen methods is clear, and an analysis of benefits and drawbacks of the methods is given.	
<i>Dataset</i>	Dataset is not identified or inappropriate to address the objectives.	Dataset is identified, but not fully characterized or does not fully address the objectives.	Dataset is fully characterized and is well-suited for the objectives.	
<i>Validation</i>	The methods are not validated.	Some validation is performed, but it does not	Extensive validation studies are performed to thoroughly	

		fully address whether the methods address the objective.	study how well the methods address the objective.	
<i>Novelty</i>	The project methods, dataset, and validation are unoriginal and have been studied in prior work.	The project methods, dataset, and validation are minimally different from prior work.	The project methods, dataset, and validation present a non-trivial difference or improvement over prior work.	
<i>Quantitative Results</i>	No quantitative results are provided.	Some quantitative measures of performance are provided.	All relevant quantitative results are provided, and they fully characterize the performance of the methods.	
<i>Qualitative Results</i>	No qualitative results are provided.	Some qualitative indicators are provided.	Many relevant qualitative indicators are provided, and they provide insight on how well the methods work.	
<i>Limitations & Future Work</i>	No limitations nor future work are clearly identified.	Some limitations are identified, or some future work is proposed.	A comprehensive set of limitations are identified, and future work is thoughtfully proposed to address them.	
<i>Conclusions</i>	Conclusion is unclear or unrelated to objectives and methods/results.	Conclusion relates the methods/results to the objectives to some degree.	Conclusion clearly identifies and analyzes whether the objectives have been achieved using the methods given the results.	
<i>References</i>	References are used inappropriately, missing, or unrelated to the project topic.	A few relevant references are included. Some are peer-reviewed	Many relevant peer-reviewed references are included.	
<i>Report Formatting</i>	Report is unstructured, difficult to follow, too long or too short, and contains many typos/errors.	Report has some structural inconsistencies or some typos/errors.	Report is structured logically, easy to read, and free from typos/errors.	
<i>Overall</i>	/60			

Comments: