PROJECT RUBRIC – COMP 3106 INTRODUCTION TO ARTIFICIAL INTELLIGENCE

Group number:

Project Proposal				
	0 Points	*1 Point*	*2 Points*	*Grade*
Background & Objectives	Background information and objective(s) are missing/unclear/vague.	Some details on the project's background or objective(s) are provided.	Sufficient information on the background and objective(s) of the project is provided to fully understand it.	
Method(s)	Description of methods is missing/unclear/vague.	The methods are described in some detail, but not enough to fully gauge their feasibility.	The specific methods to be used are described in full detail.	
Dataset or Environment	Description of the specific dataset or task environment is missing/unclear/vague.	Some description of the dataset or task environment are provided.	The specific dataset, protocol for procuring the dataset, or task environment is clearly identified.	
Validation	Strategy for evaluating the performance of the methods is missing/unclear/vague.	Some information on the strategy for evaluating performance of the methods are provided.	Strategy for evaluating the performance of the methods is clear and sound.	
Novelty	Description of how the project will differ from prior work is missing/unclear/vague.	Limited discussion on how the project will differ from prior work is provided.	Description of how the project will differ from prior work is clear.	
Weekly Schedule	Schedule is missing/unclear/vague.	Milestones to be completed each week are vague or schedule does not align with course dates.	Schedule clearly indicates what milestones are to be accomplished each week of the term.	
Overall	/12			

Comments:

	0 Points	2 Points	4 Points	Grade
		Project Demonstration		
Background	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 and is provided to appreciate the demonstration. Objectives are clearly described.	
Examples or Scenarios	The implementation is not shown to work on any example cases or scenarios.	The implementation is run on an example case or scenario with limited detail.	The implementation is demonstrated on several examples or scenarios with some level of interaction.	
Features	The functionality or the features of the implementation are not working or not shown.	The implementation has some functionality or features shown, but they are limited or not clear.	The implementation has a rich suite of features, that are clearly shown during the demonstration.	
Methods Technical Questions	Technical questions on methods are not interpreted nor answered correctly or thoroughly.	Technical questions on methods are addressed, but responses reveal some lack of understanding of the topic.	Technical questions on methods are interpreted well and answered thoroughly, showing a detailed understanding of the topic.	
Results/Validation Technical Questions	Technical questions on results/validation are not interpreted nor answered correctly or thoroughly.	Technical questions on results/validation are addressed, but responses reveal some lack of understanding of the topic.	Technical questions on results/validation are interpreted well and answered thoroughly, showing a detailed understanding of the topic.	
Overall		/20		

Comments:

Project Implementation				
	0 Points	*2 Points*	*4 Points*	*Grade*
Programming Practice	Implementation follows poor practices or is difficult to read.	Some components of the implementation follow good practice and are readable.	Implementation shows good programming practice, is readable, and has documentation.	
Methods Functionality	The implementation does not implement the project's methods.	The implementation partially addresses the projects methods, but there are errors or missing components.	The implementation fully and correctly implements the project's methods.	
Validation Functionality	The implementation does not implement the project's validation strategy.	The implementation partially addresses the projects validation strategy, but there are errors or missing components.	The implementation fully and correctly implements the project's validation strategy.	
Contributions	Commit history is irregular and shows weekly project milestones are not achieved.	Commit history shows occasional commits, with only some weekly project milestones being achieved.	Commit history shows all group members are regularly contributing to the implementation and weekly project milestones are consistently met.	
Overall	/16			

Project Report				
	0 Points	*2 Points*	*4 Points*	*Grade*
Background & Objectives	Background information on the project topic and objective(s) are missing or unclear.	Some background information on the project topic or some details on objectives are provided.	Comprehensive background on the project topic is provided such that the project's purpose is clear, and the specific objectives of the project are described.	
Prior Work	Prior or related work is missing or unrelated to the topic.	A few prior or related works are identified, but analysis is lacking.	Many relevant prior or related works are identified, and a thorough analysis of such work is provided.	
Methods Appropriateness	Methods are not appropriate to address the objectives.	Methods partially address the objectives.	Methods are clearly described and well-suited to address the objectives.	
Methods Complexity	Methods are too simple to address the objectives.	Methods are sufficient to partially the objectives.	Methods are sophisticated and fully address the objectives and all their nuance.	
Dataset or Environment	Dataset or task environment is not identified or inappropriate to address the objectives.	Dataset or task environment is identified but not fully characterized or does not fully address the objectives.	Dataset or task environment is fully characterized and is well-suited for the objectives.	
Validation	The methods are not validated.	Some validation is performed, but it does not fully address whether the methods address the objective.	Extensive validation studies are performed to thoroughly study how well the methods address the objective.	
Quantitative Results	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.	
Qualitative Results	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.	
Limitations & Future Work	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.	
Conclusions	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.	
Novelty	The project methods, dataset, validation, and implications are unoriginal and have been studied in prior work.	The project methods, dataset, validation, and implications are minimally different from prior work.	The project methods, dataset, validation, and implications present a clear difference or improvement over prior work.	
References	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.	
Report Formatting	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.	
Overall	/52			

Comments: