CS 534 Phase 1 Project Proposal Grading Sheet

Total Score: 10/10 Points

Grading Rubric: Written Proposal Content

Items	Point Earned	Comments
Project Title, Team Members and Photos, and Current Programs **(0.5 Point)**	0.5 Point	Excellent! It is nice to see all of you in the pictures. Hope that you have enjoyed working with each other on this AI project.
1 Paragraph: What are the motivational background and context of the domain problem addressed by your project? Why is this domain problem important? Please provide some real-world examples and significant statistics with citations to support the importance of this domain problem. **(1 Point)**	1 Point	Excellent! Statistics provided with their citations are very good to support why your team needs to address the problem, i.e., Phishing Detection. Great Topic! I like it very much. However, in addition to describing the challenges in general, can you add two or three real-world examples with citations that were reported by victims what the exact difficulties and issues of their situations are when they were cheated/ scammed? That will be more supportive why your team would like to address this problem. Looking forward to your final pipeline addressing this issue. 👍👍
1 ~ 2 Paragraphs: Describe and explain **at least three** (if your team has three members) or **at least four** (if your team has four members) current state-of-the-art (SOTA) methods with citations that should be able to address the domain problem stated in Part b? Please explain what **advantages** of those methods are and why those methods should be able to address the problem. **(2 Points)** Note: Those existing SOTA methods should be the methods that have been applied to solve the problems described in the most recent papers, i.e., **from 2020 to present**.	2 Points	Your reviews of the SOTA methods are great. However, XGBoost, Random Forest, and MLP are not the recent ML models. Have those cited papers (2020 ~ Present) still used them to address Phishing Detection? If yes, it is fine, or you may like to see what other recent papers use more advanced models for Phishing Detection. Since your final product involves DistilBERT and then Phishing ML Detection Models, if you can draw a workflow diagram to show how these components are connected to take the "email" as the inputs and generate the detection results as the outputs, that will be great. In Phase 2, if you can include a step-by-step high-level diagram of each model above and then describe/explain

		how it works with equations/formulas/codes/examples, that will be amazing. Please include the above in Phase 2. That would be wonderful.
1 ~ 2 Paragraphs: How will you evaluate the effectiveness of those SOTA approach(es) listed in Part c on your problem? That is, you need to describe how you will measure the performance or success of those current SOTA approaches described in Part c so that you can **replicate** and compare those SOTA methods in terms of the performance and select the best one among them? What data and experiments will you use in your SOTA performance comparison? **(1 Point)**	1 Point	Great Experiments and Metrics! One Suggestion: I would suggest describing your Phishing Email Dataset in detail in Phase 2, including input features, number of records, target outputs, etc., as well as showing some examples. In short, you may like to provide a data dictionary to go through your data in this project. Please include the above in Phase 2. That would be amazing.
Create a table that includes each team member's name and their task contributions in this phase. **(1 Point)**	1 Point	Excellent!
Draw **a timeline schedule** by using the **Gantt Chart** to lay out all the identified work tasks from the above to be undertaken for the rest of the semester week by week. **(0.5 Point)**	0.5 Point	Excellent!
Provide a list of expected background material (**AT LEAST 10 Papers from the Google Scholar**: **https://scholar.google.com/**) and/or State-of-the-Art Page at Paper with Code: **https://paperswithcode.com/sota**) that you have planned to read and learn about for your AI project. Those papers should be the recent ones **from 2020 to present**. Any additional resources, such as a list of manuals, a list of URLs and tutorials, development tools, software environment, system architecture, programming language libraries, and etc., are highly welcome. Note that all the references that you list here should **have been cited in Part b, Part c, and/or Part d already**. Use the APA Style for the references and citations: **https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_style_introduction.html**. (**1 Point**)	1 Point	Excellent!
Total	7 Points	Keep up your good work

Please make sure that you make the changes and updates in Phase 2 based upon the comments and feedback to avoid the point penalty.

Grading Rubric: Proposal Presentation Video with its Slides

Items	Point Earned	Comments
Prepare a set of professional slides https://www.indeed.com/career-advice/career-development/tips-for-giving-a-great-presentation to cover the above items listed in Sections A1 and A2, respectively. **More visuals and Less Words**.	1 Point	Great Job! Your slides are great in general. Some suggestions are: (1) I would suggest resizing/adjusting the size of words and pictures/figures, that is, making them bigger, so that you can minimize the blank space on your slides. (2) Check the font size and the font types and make sure that they are consistent.
Use your slides to create your proposal presentation video to describe and explain your project. **Each team member needs to present in the video. Please turn on the camera when you are recording your presentation video so that I could have a chance to see you as well.**	1 Point	Great Work! It is nice that all of you can turn on the camera during the entire presentation. It is nice to meet you all. If each one of you can introduce yourselves with the names first and then talk more about what you are studying, background, and interest in the next presentation, that would be perfect. Great Videos to illustrate Motivation and Background. Lastly, if you can make a better transition from slides to slides by each presenter in your topic and introduce what the next presenter will present, that would be excellent.
The grading will primarily be based on the clarity of your project proposal presentation and the quality of your slides. Overall, your understanding of the project, its anticipated scope, timeline, etc., should be clearly articulated. A preliminary feasibility assessment is important.	1 Point	Looking forward to seeing your significant progress in Phase 2.
Total	3 Points	Keep up the good work

Please make sure that you make the changes and updates in Phase 2 based upon the comments and feedback to avoid the point penalty.