



King Mongkut's University of Technology

MEE 673 Machine Learning

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Class Project. Sun 12-May-2024

Name: _____

I.D. Number: _____

Score: _____ / 100 (15% grade)

Pitch a large ML app or project of your choice for funding to a venture capitalist. Here, large means **at least** 1 man-year in size; that is, if only 1 person works on the project it will take at least 1 year or 250 workdays to complete. You must propose a plan to work on an interesting app or project that will likely work, be profitable, and has clear steps on how to complete the project (more details below).

If you like working in a team of two persons, you will have to propose two projects. They can be related projects or totally different, though it is preferred that they be somewhat related. The grades on the two projects will be averaged and the same grade will be given to both students working in a team of two. Similar rules apply for a team of three.

Your YouTube video to pitch a project should be at least 5 minutes and at most 8 minutes. A team of two can have double time of min 10 minutes and max 16 minutes.

Here is how each project will be graded:

1. *15 points.* **Proposal as a Facebook Post.** Due Mar 31. Each project should use 1 and only 1 Facebook post in the class facebook group to propose a project topic with a 1 paragraph description and the student name. The instructor will read this, provide feedback for you to refine your proposal, and finally approve your project. All this should be done in 1 facebook post. For students proposing 2 projects, you should use a single facebook post and get both of your projects approved in that post. Proposals approved after the due date will get 0 out of 15 points for this section.
2. *15 points.* **Presentation Quality.** Make sure you have a nice YouTube presentation that's also easy to understand. You can even write on a whiteboard if you think it is appropriate to make your presentation clear, but you must present your content well. Your speech should be clear. You can even add music to make it nice, but do not violate any copyrights and licenses. You can make it creative and fun too. All copied images should have references.
3. **Excellence.** You must propose an interesting app or project that:
 - a. *10 points.* Is technically sound and the algorithm you plan on using will likely work for this project.
 - b. *10 points.* You have access to the required training data, required tools, and required compute power.
 - c. *15 points.* You know the resources (team) needed, total mandays estimated for each resource type, the total expected cost/revenue/profit for years 1-5.

- d. *15 points.* You have a clear project plan (list of tasks) on how to complete the project and can reasonably estimate the project timeline.
- 4. *20 points.* **Peer Star Rating.** Your classmates will rate your presentation quality with a star rating of 0-5 stars. This will be anonymous.
- 5. *10 points (Bonus).* **Creativity.** How creative and out of the ordinary is your presentation and/or your proposed work.
- 6. Points will be deducted for:
 - a. *Up to 20 points.* Presentations that are not within the time limit. If you want to present more, create another video and inform viewers that they can watch that video for more details.
 - b. *Up to 40 points.* Presentations where images, music, or video are copied from elsewhere without providing references. Copyright violations will also be penalized.
 - c. *Up to 20 points.* Your classmates' presentations that you did not watch and submit a review.
- 7. Assume you are pitching your project to a few business owners who are managing some AI/ML business. However, do not assume your listener knows every algorithm, so you should explain your primary algorithm in some detail.
- 8. Late submissions after Sunday May 12 will not be accepted.

Submission

- Only submit a link to your YouTube video in Leb2