Term Project

EENG582 - Artificial Neural Networks

As part of the fulfilment of the EENG582 - Artificial Neural Networks course requirements, each student is required to do a term project following the guidelines below:

1. The term project should define a real-life problem that requires smart solution using such tools as Artificial Neural Networks (ANN),
2. Determine the objective and the constraints of the solution to the problem,
3. Derive a solution for the problem,
4. Implement the solution using Artificial Neural Networks and
5. Prepare a White paper and a presentation describing the solution.

Note that you have to submit a different document for each deadline. These documents will help building up a concise solution to the problem or issue.

Also note the timeline for submission of the interim and final reports and the tasks to be developed, which are detailed below.

Submission and Grading

Term Project Submission (20 points)

Important Dates		Task to Complete	Mark / Points
28 Mar. 2022 (Phase 1)	:	Submission of the abstract (not more than 100 words)	2
1 Apr. 2022 (Phase 2)	:	Submission of the extended abstract with a complete diagram describing the problem accompanied by a text describing what the problem is, what are the objectives and constraints and how the problem can be solved (not longer than an A4 page)	2
15 Apr. 2022 (Phase 3)	:	Describe the steps involved in the solution process with reference to a flowchart.	3
See course page (Phase 4)	:	Show and discuss the preliminary project software layout with the course instructor. Since the training data might be too large, just a link to the data source will be sufficient.	5
See course page (Phase 5)	:	Demonstration the final version of the complete software solution to the course instructor.	8

White Paper Submission (10 points)

Important Dates		Task to Complete	Mark / Points
8 Apr. 2022 (Phase 1)	:	Submit the initial version of the white paper describing the problem or issue; what solutions are currently available; how you are planning to solve the problem; what method will you use and what are the expected results. Should be edited using 12 char Times New Roman font, single line spacing and 1.5 cm margins with no gutter.	5
See course page (Phase 2)	:	Submit the final version of the white paper describing the problem and the solution process.	5

Last day for classes: 9 June 2022