CMPE 256 - Project Report Template

* Report should be prepared using the [IEEE proceedings template](https://www.ieee.org/conferences/publishing/templates.html) (you may use word or latex)
* Report **should not exceed 8 double-column pages** (Less is fine, just make sure to include all requested details below. Additional details if needed can be included in an Appendix. However, the data in the appendix will not contribute to/against your final grade and should be only informative.)
* Alternatively, you may opt for single column format with the following constraints: up to 10 pages total, single-spacing, Times New Roman 11 or 12 fonts.
* The following outlines the content of your report. Ideally you should follow the high-level template but feel free to update/adjust the subsections of the template below according to your project’s focus and details.

Ch.1 Introduction

* Discuss the problem you are trying to solve (motivation & objective)
* Related work (if applicable)

Ch.2 System Design & Implementation details

* Algorithm(s) considered/selected (and why)
* Technologies & Tools used (and why)
* System design/architecture/data flow/workflows as applicable (you may use diagrams with some supportive text)
* Visualization/UI/ GUI/screenshots (only if applicable)

Ch.3 Experiments / Proof of concept evaluation

(This chapter will differ depending on what has been proposed and discussed between you and your instructor)

* Dataset(s) used (name, source, type of data, size of data, # of instances/statistics, any preprocessing performed etc.)
* Data preprocessing decisions (if applicable)
* Evaluation methodology followed (e.g. n-fold-cross validation, number of n, size of training/test set etc.)
* Graphs showing different parameters/algorithms evaluated in a comparative manner, along with some supportive text
* Analysis of results

Ch.4 Discussion & Conclusions

* Decisions made/Things that worked
* Difficulties faced/Things that didn’t work well
* Conclusions

Ch.5 Project Plan / Task Distribution

* Break into components and clearly explain
  + Who was assigned to what task
  + Who ended up doing what task (justify as applicable)