

## Project Report Guideline

- Report should be prepared using the provided template (you may use word or latex)
- 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 (5 points)

- Discuss the problem you are trying to solve (motivation & objective)
- Related work

### Ch.2 System Design & Implementation details (20 points)

- Algorithm(s) considered/selected (and why)
- Technologies & Tools used (and why)
- Which method is used to deal with large datasets (and how)
- System design/architecture/data flow/workflows as applicable (you may use diagrams with supportive text)
- Visualization/UI/ GUI/screenshots

### Ch.3 Experiments / Proof of concept evaluation (40 points)

- Dataset(s) used (name, type of data, size of data, # of instances/statistics, any preprocessing performed etc.)
- Datasets details/patterns
- Data/results visualization, online interactive (preferred)
- Data preprocessing decisions
- Evaluation methodology (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 (25 points)

- Decisions made/Things that worked
- Difficulties faced/Things that didn't work well
- Conclusions

### Ch.5 Future Plan / Task Distribution (10 points)

- Pros and cons of the current method & future plan
  - i.e., how to improve
- Break into components and clearly explain
  - Who was assigned to what task
  - Who ended up doing what task