

Project Information And Requirements

The following are the basic requirements for the project:.

1. Students can select any application area for project.
2. Project must use at least one public dataset with reasonable size.
3. Project must use at least one deep learning algorithm.
4. Project report must present numerical performance results on your training process.
5. Project report must present numerical performance test results.
6. Project report must provide some useful conclusions.

To present your work, the following regular report format should be followed.

1. Cover page: title of the project, student names and IDs, affiliations, date
2. Abstract
3. Table of Acronyms
4. Table of Math Notations (if relevant)
5. Table of Contents
6. Chapter 1: Introduction: motivation for selecting the application, why deep learning, objective
7. Chapter 2: Background: related concepts and survey of related solutions, why you chose a selected deep learning technique
8. Chapter 3: System description: describe your dataset, your algorithm, training, and testing process
9. Chapter 4: Numerical results: show your numerical results with tables and diagrams, discuss your results in comparison with other related results. You should not copy any numerical results from anywhere. Present both training and testing results.
10. Conclusion: discuss what you have learned through this project.
11. References

Your presentation is pretty much an outline of your report with highlights some main parts in your report, such as your motivation, your algorithm, your results.