# CSE 472 (Machine Learning Sessional) - Term Project guideline

For students under the supervision of Md. Tareq Mahmood (TM)

# Document History

| **Version** | **Created/Updated on** | **Change List** | **Modified by** |
| --- | --- | --- | --- |
| 1.0 | 27-JAN-2022 | First draft | TM |

# Project proposal (Due: 30-JAN-2023)

Prepare a Google Doc that should cover the following aspects:

1. Problem definition
2. Dataset (including link and some basic statistics).
3. Link to the paper(s) you decided to base your work on
   1. The paper should preferably be recent (2020-23)
   2. The paper should preferably be published in a reputed venue
      1. NLP Venues: ACL, EMNLP, AACL, NAACL, COLING
      2. Vision Venues: CVPR, ICCV, ECCV
      3. General: ICLR, ICML, NIPS, KDD
      4. You can ask me to judge your selection of paper
4. Proposed solution (architecture)
5. Performance metrics

You have to submit the link to the Google Doc in the form below

<https://forms.gle/ZEnZ75XyDTUh2aYJ8>

**This will bear marks.**

# Weekly updates

1. It is optional to provide weekly updates. However, regular progress checkpoint helps in properly judging your efforts.
2. I will be available in my office room (Room 216) Wednesdays, 2:30 – 4:30 PM, for project-related discussions if you have any.
3. Weekly updates will not directly bear marks. However, marks will be given for sincere efforts, and weekly updates can indicate sincere effort.

# Project checkpoint (Due: Week# 12)

1. A check-point presentation must be made in the penultimate week of the term. This will bear marks and should include the following:
   1. Problem definition
   2. Dataset and its analysis (Statistics)
   3. Proposed solution (architecture)
   4. Loss function and its intuition.
   5. Performance report
   6. Challenges/Discussion

# Project presentation (Due: Week# 13)

1. The final presentation must be made in the final week of the term. This will bear marks.
   1. Problem definition
   2. Dataset and its analysis (Statistics)
   3. Proposed solution (architecture)
   4. Loss function and its intuition.
   5. Performance report
   6. Comparison with state-of-the-art methods
   7. Challenges/Discussion