Project Meeting 1:

Will focus more on implementing deep learning project mostly in medical data. There are extra points for text recognition (prompt eng can cover text recognition too).

Search for research papers based on above topics.

* Domain: Medical/Healthcare field
* Example Problems: Speech Recognition and Prompt Engineering advancements using Data Mining concepts

Resources:

<https://www.medrxiv.org/content/10.1101/2024.04.29.24306583v1>

**Ethan:**

<https://link.springer.com/article/10.1186/s40779-021-00338-z>

(Data mining in clinical big data: the frequently used databases, steps, and methodological models)

<https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2994932>

<https://www.researchgate.net/publication/370899263_A_REVIEW_OF_DATA_MINING_IN_HEALTHCARE>

* Goals Throughout project
  + Short Term
  + Long Term

ClinicalBERT: Modeling Clinical Notes and Predicting Hospital Readmission

Paper- <https://arxiv.org/pdf/1904.05342>

Dataset-

<https://huggingface.co/datasets/AGBonnet/augmented-clinical-notes>

Git repo- <https://github.com/kexinhuang12345/clinicalBERT/blob/master/README.md>

# **Predicting Hospital Readmissions**

<https://www.kaggle.com/datasets/dubradave/hospital-readmissions?resource=download>

Report format:

1. History
2. Explain about regression
3. How prediction working for hospital, business
4. Find 3, 4 research paper and summarize them
5. Dataset explanation
6. Literature review part

Presentation

1. Introduction
2. Preprocessing - kajal
3. Model- shweta
4. Results
5. Future scope - Manoj Karvannan