

Which tasks have been completed? And Which tasks are pending?

Refer Below Table for the status :

Task	Hours	Task Status	Comment
Learning Phase: 1. Semantic Search 2. Fundamentals of Text Embedding	6 Hours	Completed	New Comment : Gone through with required readings . Old Comment :Considering my Novice level I allocated approx. 2 hours for learning & understanding this topics with respect to project development.
Setting Up the environment	4 Hours	In Progress	New Comments: Setting up required environment & testing with small sample. Old Comments : Allocated 4 hours to install necessary and required tools ,libraries ,BERT etc.

Task	Hours	Task Status	Comment
Learning to work with BERT / Sentence - BERT	8 Hours	In Progress	<p>New Comment: Reading the topic and also referring few videos to create sample simple examples to understand the concept. Facing challenges which I am in progress to resolve by discussing with TA's.</p> <p>Old Comment :Runni ng BERT/ Sentence-BERT for Text Embeddings.</p> <p>Understanding the Output and Tuning Parameters</p> <p>Best Practices and Troubleshooting</p>
Implementing the Semantic Search	16 Hours	Yet to start	Integrating Text Embeddings in Search Testing & Debugging

Task	Hours	Task Status	Comment
Evaluation & Fine Tuning	6 Hours	Yet to start	Setting Up Evaluation Metrics Analyzing and Interpreting Results. Fine-Tuning the Model
Documentation and Reporting	6 Hours	Yet to start	Documenting the Development Process Preparing a Final Report and Presentation

Are you facing any challenges?

As a novice, venturing into the world of natural language processing (NLP) and specifically working with models like BERT (Bidirectional Encoder Representations from Transformers) is bit challenging and tedious for me .

Currently I am learning & practicing making smaller model (like BERT-Base) for initial experiments and trying to figure out which version is suitable for my project .

Also I am revisiting my proposal to ensure if there is any gap in my plan design and implementing it.