

Task Number	Date	Task	Remarks	Completed by			
1	10/10/2023	Reading the assigned research paper and other relevant literature.	The first half of the paper was relatively straightforward and well written as compared to the second half which was complicated.	Aryan Pratham			
2	11/10/2023	Blog Setup (Notion) Start Implementation	We started working on making the blog in notion and starting planning on how to implement the first half of the paper.	Aryan Pratham			
3	13/10/2023	Implementation of K-means Making blog till K-means	Implemented the incremental k-means exactly how it was given in the paper. Made visualisations and added them to the blog.	Aryan (Code) Pratham (Blog)			
4	18/10/2023	Studying Agglomerative Implementation of Agglomerative Making blog till Agglomerative	Studying the theory of agglomerative clustering and various popular practices. Made visualisations and added them to the blog.	Aryan (Code) Pratham (Code + Blog)			
5	27/10/2023	Started with Nearest-Neighbors Clustering Improving Blog and adding content, layout improvement, etc.	Studying the theory for NN clustering, caused a lot of confusion as algorithm in paper was same as agglomerative. Made slight changes to implement. The TA suggested of making the blog more visually appealing so we discarded the use of notion and shifted to react.	Aryan (Code) Pratham (Blog)			
6	4/11/2023	Completed NN Clustering Blog update	Took a lot of time and understanding to implement.	Aryan (Code) Pratham (Blog)			
7	8/11/2023	Reading the second half of the paper (Section 3) Adding the content to the blog	Involved a lot of lemmas, proofs and new definitions which took a lot of effort to grasp and understand.	Aryan (Literature) Pratham (Blog)			
8	16/11/2023	Completed Paper Reading Update Blog	Completed understanding and reading the entire paper multiple times and updated blog.	Aryan (Literature) Pratham (Blog)			
9	25/11/2023	Implementing 5.1 Update Blog	Implemented the entire section 5.1 with visualisations for good presentation  Adding the explanations and presenting content in blog.	Aryan (Code) Pratham (Blog)			
10	29/11/2023	Implementing 5.3 Update Blog	Implemented the entire section 5.3 with visualisations.  Adding the explanations and presenting content in blog.	Aryan (Code) Pratham (Blog)			



