

Timeline		Recommender System		
Project Start	29/07/2024			
Project Lead	Adilla Chusnul Fatiyah			
Prepare by	Shyfa Salsabila			
WBS	Task Description	Start	Deadline	Status
1	Environment Preparation			
1,1	Planning Preparation			
	Identify Requirements	29/7/2024	29/7/2024	Done
	Define Objectives and Methods	30/7/2024	31/7/2024	Done
1,2	Dataset Collection Factorized Metric Learning (FML)	31/7/2024	1/8/2024	Done
	Dataset Pre-Processing	1/8/2024	2/8/2024	Done
	Classification	2/8/2024	3/8/2024	Done
1,3	Model Training			Done
	Model Training	5/8/2024	6/8/2024	Done
	Model Evaluation and Testing	6/8/2024	7/8/2024	Done
1,2	Dataset Collection Knowledge-Based System Reinforcement Learning	09/08/2024	10/08/2024	Done
	Dataset Pre-Processing	10/08/2024	11/08/2024	Done
	Classification	11/08/2024	12/08/2024	Done
	Data Augmentation	12/08/2024	13/08/2024	Done
1,3	Model Training			Done
	Model Training	14/08/2024	15/08/2024	Done
	Model Evaluation and Testing	15/08/2024	20/08/2024	Done
1,4	Modify Neural Network			Done
	modify neural network with hybrid CNN and RNN	21/08/2024	22/08/2024	Done
1,6	Model Training			Done
	Model Training	22/08/2024	23/08/2024	Done
	Model Evaluation and Testing	23/08/2024	26/08/2024	Done
1,7	Modify Neural Network with RNN and Matrix Factorization	26/08/2024	27/08/2024	Done
1,9	Model Training	27/08/2024	28/08/2024	Done
	Model Training	28/08/2024	29/08/2024	Done
	Model Evaluation and Testing	29/08/2024	30/08/2024	Done
1,7	Modify Neural Network and adjust Activation function (softmax and sigmoid)	02/09/2024	06/09/2024	Done
1,9	Model Training	09/09/2024	13/09/2024	Done
	Model Training	16/09/2024	20/09/2024	Done
	Model Evaluation and Testing	23/09/2024	27/09/2024	Done
3	System Testing and Analysis	30/09/2024	04/10/2024	Done
4	Finalazation & Improvement	07/10/2024	11/10/2024	Done
5	Writting Manuscript Recommender system	08/10/2024	31/10/2024	Done
	1. Introduction 2. Related Work 2.1 Collaborative Filtering Recommender System 2.2 Reinforcement Learning 2.2.1 Actor-Critic Algorithms 2.2.2 Policy Gradient Algorithms 2.3 Supervised Learning 3.Overall Framework 4.Environment and Interaction 5.Experiments 6.Conclusions	08/10/2024	31/10/2024	Done
	Finalization Manuscript	04/11/2024	06/11/2024	Done