LOGBOOK PBL IF 23-2-16

Klasifikasi *Image Prompt Generative* pada *Website Promptails*

ID	Tahapan	Detail Pengerjaan	Ouput	Mulai	Selesai	Progress
1	Planning	Develop a project plan that includes scope, general design, product design, equipment requirements, challenges and issues, estimated work time, project cost, project team, workspace, issues involved, communication beetwen project manager and client, monitoring and evaluation.	Document implementation plan (RPP)	2024-02-05	2024-02-26	5%
2	Planning	Develop a project plan that includes the steps to be taken, team responsibilities, work schedule, estimated costs, and resources required.	Document of Project Plan	2024-02-05	2024-02-26	10%
3	Analysis	Create a list of functional and non-functional requirements for the Generative Prompt Image Classification on the Promptails website. Functional requirements will identify the functions of the system that need to be implemented, while non-functional requirements will specify the performance, security, and reliability criteria that the system must fulfil.	Analysis Requirements document that contains all the need of the project.	2024-02-27	2024-02-29	15%
4	System Analysis	Develop comprehensive use case scenarios derived from the identified use cases for the "Classification of Image Prompt Generative on Promptails Website" project.	Use Case Document	2024-03-01	2024-03-04	20%
5	System Analysis	Develop the Usecase Diagram for the "Classification of Image Prompt Generative on Promptails Website" project, illustrating the relationships between actors, and use cases.	Document of Usecase diagram	2024-03-05	2024-03-07	25%
6	Design	Develop wireframes for the user interface of the "Classification of Image Prompt Generative on Promptails Website" project, outlining the layout and functionality of each page.	a Document containing wireframe designs.	2024-03-06	2024-03-11	30%
7	Design	Develop visual mockups for the user interface of the project "Classification of Image Prompt Generative on Promptails Website" outlining the layout, navigation, and visual elements.	a Document containing mockup designs	2024-03-12	2024-03-16	35%
8	Design - ER Diagram	Analyzing system data requirements and designing the structure of the ER (Entity-Relationship) Diagram that reflects the relationships between the main entities in the database of the "Classification of Image Prompt Generative on Promptails Website" Project.	a Document containing ER-Diagram designs.	2024-03-17	2024-03-22	45%

9	Design - Activity Diagram & Class Diagram	Analyzing system functionality and workflow to create the Activity Diagram. Identifying classes, attributes, and methods based on system requirements to develop the Class Diagram for the "Classification of Image Prompt Generative on Promptails Website" project.	a Document containing Activity Diagram & Class Diagram designs.	2024-03-24	2024-04-05	55%
10	Implementation - Preprocessing Data	Gathering raw data from various sources. Removing or correcting incomplete, duplicate, or incosistent data. Converting caterogical data into numerical form if necessary (encoding). Dividing the dataset into training, validation, and test sets for better evaluation.	Clean Training Dataset & Testing Dataset	2024-05-06	2024-05-11	60%
11	Implementation - Preprocessing Data	Reducing the number of features in the dataset using techniques like feature selection. Identifying and extracting relevant features from raw data. Addressing class imbalance issues in the data. Increasing the size and diversity of the dataset by modifying existing data.	Clean Training & Testing Dataset	2024-05-13	2024-05-18	65%
12	Implementation - Pattern Recognition	Defining the goal of pattern recognition such as classification. Choosing the appropriate algorithm for the pattern recognition task based on the nature of the data and the analysis objective. Training the model using the training dataset with the selected algorithm. Iterating and refining the model based on training results.	Model for Classification	2024-05-20	2024-05-25	75%
13	Implementation - Model Evaluation	Evaluating the model's performance using the validation dataset. Using appropriate evaluation metrics, such as accuracy. Optimizing the model's hyperparameters to improve performance.	Trained and Validated Model	2024-05-27	2024-06-01	85%
14	Model Implementation	Convert the trained model into a deployable format such a pickle file in python. create an API to interact with the model. Use frameworks like streamlit. Perform extensive testing to ensure the model works as expected. Maintain and update the model and the infrastructure.	Classification Web	2024-06-02	2024-06-22	95%