Project Design Phase-II
Data Flow Diagram & User Stories

Date	31 October 2023
Team ID	592923
Project Name	Garment Worker Productivity Prediction
Maximum Marks	4 Marks

Data Flow Diagram :

A Data Flow Diagram (DFD) is a traditional visual representation of the information flows within a system. A neat and clear DFD can depict the right amount of the system requirement graphically. It shows how data enters and leaves the system, what changes the information, and where data is store

EXAMPLE :

Flow

Start

|

V

Data Collection

|

V

Data Preprocessing

|

v

Model Training

|

v

Model Evaluation

|

v

Productivity Prediction

|

End

Data Flow Diagram

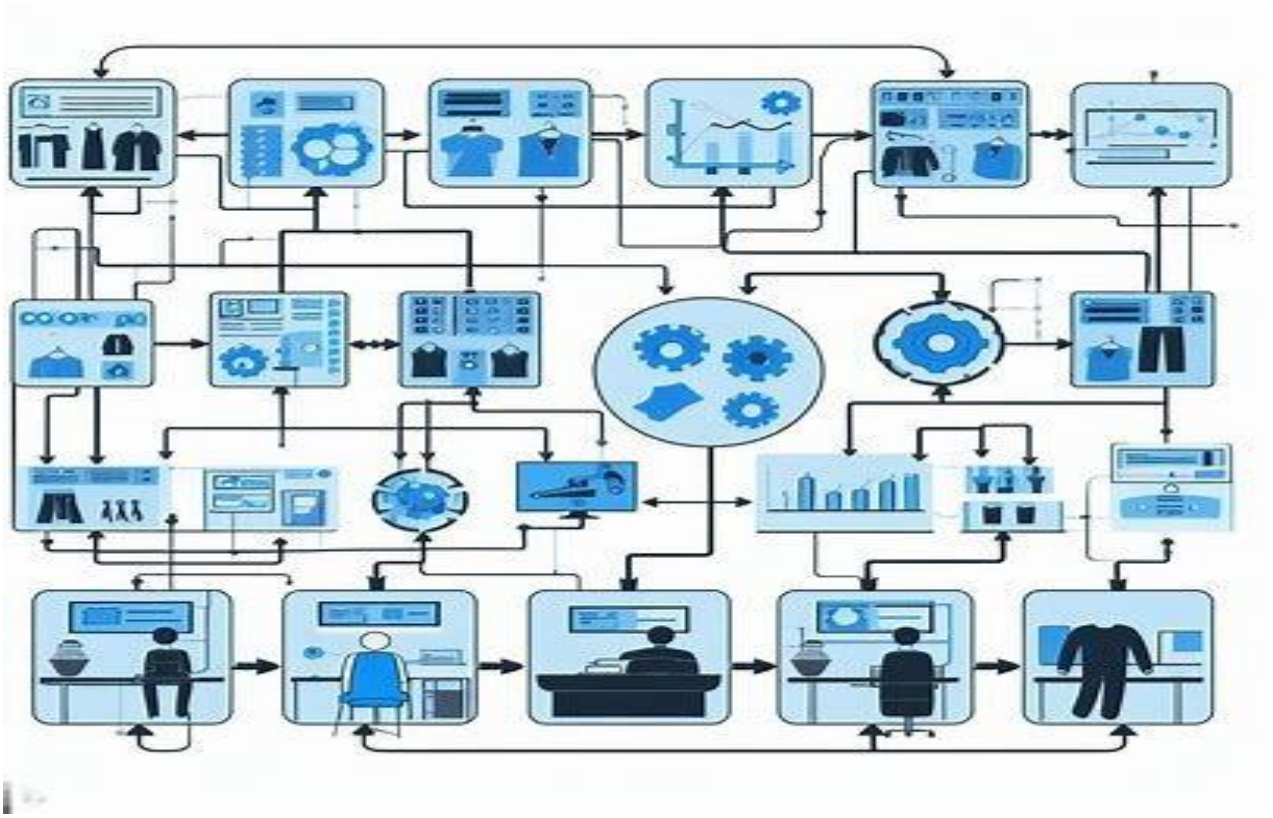
Data Collection: Collect data on various attributes of garment production.

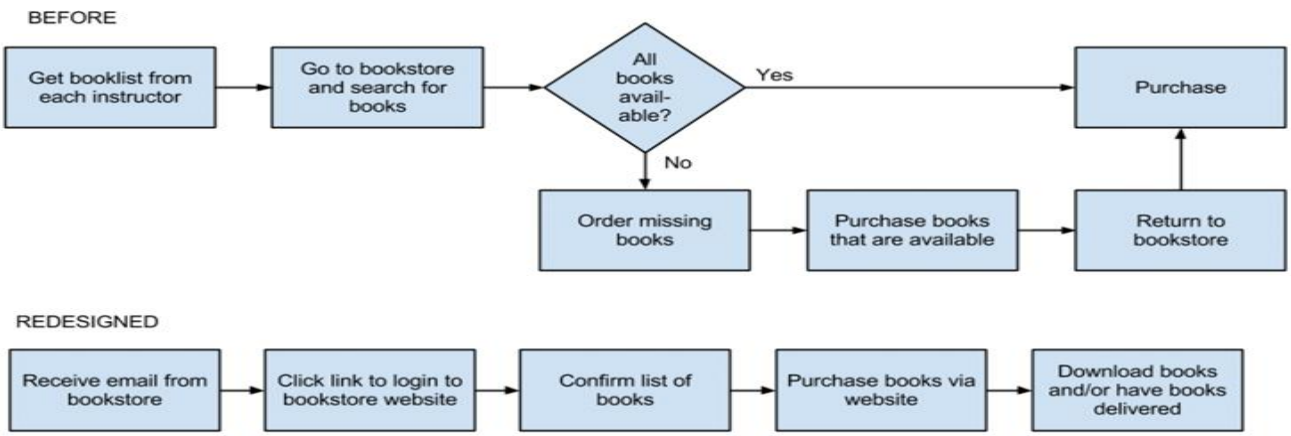
Data Preprocessing: Handle missing values, outliers, and perform feature engineering if necessary.

Model Training: Train the machine learning model using the preprocessed dataset.

Model Evaluation: Evaluate the model's performance using a separate test dataset.

Productivity Prediction: Use the trained model to predict worker productivity based on given features.





User Stories

Use the below template to list all the user stories for the product.

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Acceptance criteria	Priority
Data scientist	Data preparation	DS-1	As a data scientist, I can preprocess the dataset to handle missing values and outliers	Dataset is clean and ready for model training	High
Data scientist	Model Training	DS-2	As a data scientist, I can Train a machine learning model using the preprocessed dataset	Model is trained and performance metrics are available	High
Data scientist	Model evaluation	DS-3	As a data scientist, I can Evaluate the model using a test dataset	Models performance on the test dataset is known	High
Company Management	Productivity Prediction	CM-1	As a company manager ,I can use the model to predict worker productivity based on given features	Productivity prediction is available for decision making	High