Model Development Phase Template

Date	4 July 2024
Team ID	SWTID1720090524
Project Title	Garment Worker Productivity Prediction
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
Quarter	Divide a month into four quarters.	Yes	Relevant for knowing productivity in each quarter.
Department	Sewing/ Finishing	Yes	Knowing status of the work
Day	Encode days to numbers	Yes	To see the production in a paricular day of the week
Team_number	Team ID	Yes	To know productivity of each team

Std_minute_value	Time allocated	Yes	To consider the time duration
Work_in_progress	Amount of work completed	Yes	Evaluate productivity metrics
Over_time	Extra working hours	Yes	Time is an essential parameter for productivity evaluation metrics
incentive	Expected award	Yes	To know the cost of hiring workers
Idle_time	Amount of time wasted	Yes	Time is an essential parameter for productivity evaluation metrics
Idle_men	Number of men not working	Yes	Worker count is an essential parameter for productivity evaluation metrics
Style_change	Variation in style	Yes	Change in style will take more time for adapting
No_of_workers	Total number of workers	Yes	Worker count is an essential parameter for productivity evaluation metrics
Actual_productivity	Existing productivity of industry	Yes	Helps in prediction
date	Calendar date	No	Date is not a necessary parameter for productivity prediction

Targeted_pr oductivity	Expected productivity target	No	Independent variable