Model Development Phase Template

Date	15 March 2024
Team ID	738303
Project Title	Machine Learning Approach For Employee Performance 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
Date	Date specifies the employees work	No	It does not gives any useful information to the prediction data
quarter	It gives info of which quarter worker work the most	No	It just specifies the time line of the employee so it does not gives any specific data.
department	Specifies the kind of work the worker does	Yes	We convert it from objects to integers.
day	It gives the day employee worked on	Yes	It helps to predict the employees performance more specifically.

team	It specifies in which team he worked in	Yes	It helps to predict the employees performance more specifically.

Targeted_ productivity	It specifies target productiviy	Yes	It is in the form integer so it does not effect the outcome
smv	It is the terminology of Garment worker	Yes	It helps to predict the employees performance more specifically.
Wip	It is the terminology of Garment worker	Yes	It helps to predict the employees performance more specifically.
Over_time	It gives in of the workers overtime	Yes	This help to increase the productivity.
Idle_time	It gives the idle time of the worker	Yes	This helps to find the idle time of the workers.
No_of_style_ch ange	It specifies the no of styles the worker can able to make.	Yes	It helps to predict the employees performance more specifically.
incentive	It specifies the incentives given to the workers.	Yes	It helps to predict the employees performance more specifically.
idle_men	It specifies the idle men awork.	Yes	It helps to predict the employees performance more specifically.

No_of_worker	It gives the info of no of workers in the team	Yes	It is used to predict the productivity of the worker.
Actual_producti vity	It specifies the actual productivity of the workers	yes	The ultimate outcome the model will be based on this