AIPM

Monitoring and controlling processes.

1) Performance Reports:
Project Detail Review

Performance report	
Project Name: PREDICTION OF BRAKE PAD WEAR OUT USING ANN	Date: 30/6/2023
Prepared By: Amir	Project Type (S, M, L): S
Project Manager: Adam	Project Sponsor: -

Number ID	Date Opened	Action Description	Assigned To	Date Close
1	1/4/2023	Standard of Work	Adam	14/4/2023
2	15/4/2023	Analyse Risk	Adam	30/4/2023
3	25/4/2023	Process Improvement	Farihah	15/5/2023
4	6/5/2020	Quality Assurance	Farihah	16/5/2023
5	15/5/2023	Performance Checking	Nawal	20/5/2023
6	25/5/2023	Analyse Financial Performance	Nawal	10/6/2023
7	1/6/2023	Management of Personnel	Amir	18/6/2023
8	25/6/2023	Timeline and Milestones	Amir	1/7/2023

2) Requested Changes:

CHANGE REQUEST FORM

Change Description		
Project Name: PREDICTION OF BRAKE PAD WEAR OUT USING ANN	**Change Name: -**	**Number: 001246**
Requested By: Nawal – Development Team	**Contact: 0192133775**	**Date: 30/5/2023**
Description of Change: This change request aims to improve the precision and efficiency of the brake pad wear prediction model by integrating supplementary features into the current feature set.		
Reason for Change: **Vehicle Status:** **Introduce a categorical variable denoting the status of the vehicle (e.g., new, used, refurbished) to enhance the brake pad wear prediction model.** **Mileage Incorporation:** **Integrate the vehicle mileage as a continuous variable to offer more detailed information and improve the accuracy of brake pad wear prediction.** **3)Historical Pricing Data: Access historical pricing data for similar vehicles in the market to establish trends and patterns.**		
Priority [Circle One]: 1. High 2. Medium 3. Low		
Impact on Deliverables: **For the Brake Pad Wear Prediction Model, the expected impact is positive. This stems from the inclusion of additional features, such as vehicle condition and mileage, which are anticipated to significantly enhance the accuracy and effectiveness of the brake pad wear prediction model. As the model holds a key position within the project, these improvements are crucial for its overall performance. Moreover, the positive impact extends to Risk Management. This change effectively addresses potential limitations in the existing brake pad wear prediction model, reducing the risk of inaccuracies and improving the model's ability to adapt to changing conditions in the automotive environment.**		
Impact of Not Responding to Change (and Reason Why):		
Date Needed: 9/6/2023	**Approval of Request: Approved**	**Date: 1/6/2023**

Change Impact
Affected Areas: Task Dependencies, Timeline, Milestones, Project Objectives, and Budget within the scope.
Cost Assessment: Labor, Training, Development, and Overhead Costs.
Risk Assessment: Unforeseen Dependencies, Increased Complexity, Schedule Delays, and Budget Overruns.
Quality Assessment: Performance, Compatibility, and Adherence to Quality Standards.
Resource Consideration: Skilled Personnel, Project Management Expertise, Training, Development, and Budget Reallocation.
Timeframe: Comprehensive Impact Analysis, Detailed Planning, and Continuous Monitoring and Adjustments.
Additional Effort: Allocation of Adequate Resources and Management of Resource Constraints.
Deadline Impact: Analysis of Impact, Risk Mitigation, and Adjustments to the Timeline.
Alternatives and Recommendations: Phased Implementation, Parallel Workstreams, and Technology Upgrades.
Comments:

Sign Offs	
[Circle One]: 1. Accepted 2. Deferred 3. Rejected 4. More Info Requested	
Comments:	
Project Manager Signature: Adam	Date: 4/6/2023
Decision Maker Signature: Farihah	Date: 4/6/2023

3) Updates on Plan:

ID	Task Name	Duration	Start	Finish	Predecessors
1	Project planning	9 days	7/10/2023	15/10/2023	
2	Data collection and preprocessing	9 days	14/10/2023	22/10/2023	1
3	Model development	40 days	21/10/2023	30/11/2023	2
4	Testing model performance	9 days	28/11/2023	5/12/2023	3
5	Validation	5 days	3/12/2023	7/12/2023	4
6	Deployment the complete model	22 days	22/12/2023	13/1/2023	3,4,5
7	Documentation of model architecture	12 days	11/12/2023	22/12/2023	6
8	Training and support	17 days	20/12/2023	5/1/2024	7
9	Maintenance	13 days	3/1/2023	16/1/2024	8
10	Stakeholder communication	6 days	14/1/2024	19/1/2024	9
11	Evaluation and Optimization	7 days	17/1/2024	24/1/2024	9

ID	Task Name	October			November	December				January		
		7/10	14/10	21/10	28/11	3/12	28/12	11/12	20/12	3/1	14/1	17/1
1.	Project planning											
2	Data collection and preprocessing											
3	Model development											
4	Testing model performance											
5	Validation											
6	Deployment the complete model											
7	Documentation of model architecture											
8	Training and support											
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10	Stakeholder communication											
11	Evaluation and Optimization											