

CHANGE REQUEST FORM

Change Description		
Project Name: PREDICTIVE MAINTENANCE FOR HVAC SYSTEMS IN A COMMERCIAL BUILDING	Change Name: -	Number: 00001
Requested By: Arif - Developer	Contact: 0189171515	Date: 4/26/2023
Description of Change: The requested change involves enhancing the predictive maintenance model for HVAC systems in a commercial building by integrating additional features into the current dataset.		
Reason for Change: 1. Additional Variables: Introduce supplementary variables related to HVAC system operation, such as real-time sensor data, equipment runtime, or historical performance metrics, to provide a more comprehensive basis for predictive maintenance analysis. 2. External Factors: Incorporate external factors, such as weather data or building occupancy patterns, to capture broader influences on HVAC system performance and maintenance needs. 3. Historical Maintenance Records: Access historical maintenance records to identify recurring issues, maintenance patterns, and their correlation with system attributes.		
Priority [Circle One]: 1. <u>High</u> 2. Medium 3. Low		
Impact on Deliverables: The inclusion of additional features is expected to have a positive impact on the predictive maintenance model for HVAC systems. By incorporating a more extensive range of variables, the model's accuracy and effectiveness in identifying maintenance needs and optimizing system performance are anticipated to significantly improve. This enhancement is crucial for the overall performance of the predictive maintenance model and contributes to mitigating potential risks associated with inaccuracies and suboptimal maintenance scheduling.		
Impact of Not Responding to Change (and Reason Why):		
Date Needed: 5/25/2023	Approval of Request: Approved	Date: 5/1/2023

Change Impact
Tasks/Scope Affected: The proposed change has implications for various tasks and aspects within the project scope, spanning data collection, preprocessing, feature selection, model configuration, training, interpretation, and analysis.
Cost Evaluation: Implementation of the requested change may result in additional costs, including labor, training, development, and overhead. The cost evaluation aims to assess its impact on the project budget and explore potential avenues for cost-saving measures.
Risk Evaluation: The suggested change introduces potential risks such as unforeseen dependencies, heightened complexity, schedule delays, and budget overruns. The risk evaluation identifies these risks and formulates mitigation strategies to minimize their impact.

Quality Evaluation: The requested alteration could impact the performance, compatibility, and adherence to quality standards of the predictive maintenance model. The quality evaluation ensures that the model aligns with the required quality standards and performance criteria.
Additional Resources: Execution of the requested change may demand additional resources, including skilled personnel, project management expertise, training, development, and budget reallocation. Resource consideration is crucial to ensuring the project has sufficient resources and effectively manages constraints.
Duration: The requested change may impact the project duration.
Additional Effort: Implementation of the proposed change might necessitate additional effort, such as comprehensive impact analysis, detailed planning, and continuous monitoring and adjustments.
Impact on Deadline: The suggested change may influence the project deadline. The evaluation includes an in-depth analysis of the impact and the development of risk mitigation strategies to ensure timely project completion.
Alternative and Recommendations: Implementing the requested change could be achieved through phased approaches, parallel workstreams, or technology upgrades. Recommendations are provided for effective and efficient implementation.
Comments:

Sign Offs	
[Circle One]: 1. Accepted 2. Deferred 3. Rejected 4. More Info Requested	
Comments:	
Project Manager Signature: Marrylind	Date:5/1/2023
Decision Maker Signature: Izzah	Date:5/1/2023