**CHANGE REQUEST**

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| **Project Title:** | Data-Driven Evaluation of  Toronto Apartment Buildings | | | |  | **Date Prepared:** | | | 09/20/2024 | | | |
| **Person Requesting Change:** | | | | Jibin George | | |  | **Change Number:** | | | | CR003 |
| **[Category of Change](#Category_of_Change" \o "Check a box to indicate the category of change.)**[:](#Category_of_Change" \o "Check a box to indicate the category of change.)   |  |  |  | | --- | --- | --- | |  |  |  | |  |  |  | | **[Detailed Description of Proposed Change](#Detailed_Description_of_Proposed_Change" \o "Describe the change proposal in enough detail to clearly communicate all aspects of the change.)** | | | | Develop and implement a statistical model to determine the key factors influencing building evaluation scores in the Toronto Apartment Building Evaluation dataset. This model will analyze various building characteristics and their correlation with evaluation scores. | | |   **[Justification for Proposed Change](#Justification_for_Proposed_Change" \o "Indicate the reason for the change.)**   |  | | --- | | This change will provide deeper insights into what factors most significantly impact building evaluation scores. It will enable more accurate predictions of building performance and help identify areas for improvement in apartment building standards across Toronto. |   **Impacts of Change** | | | | | | | | | | | | |
| **[Scope](#Scope" \o "Describe the impact of the proposed change on the project or product scope.)** | |  | | | |  | | | |  | | |
| Description: The project scope will expand to include advanced statistical analysis and modeling, requiring additional time and resources. | | | | | | | | | | | | |
| [**Grade**](#Grade) | | |  | | |  | | | | |  | |
| Description: This change will significantly enhance the quality and depth of insights provided by the project. | | | | | | | | | | | | |

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| **[Requirements](#Requirements" \o "Describe the impact of the proposed change on the project or product requirements.)** |  |  |  |
| Description: Additional data processing and statistical analysis tools may be required. Team members might need training in advanced statistical methods. | | | |
| **[Cost](#Cost" \o "Describe the impact of the proposed change on the project budget, cost estimates, or funding requirements.)** |  |  |  |
| Description: Potential costs for additional software licenses or cloud computing resources for data processing and analysis. | | | |
| **[Schedule](#Schedule" \o "Describe the impact of the proposed change on the schedule and whether it will cause a delay on the critical path.)** |  |  |  |
| Description: Estimated 2-3 weeks additional time required for model development, testing, and integration into the dashboard. | | | |
| **Stakeholder Impact** |  |  |  |
| Description: Stakeholders will gain more valuable insights, enabling better decision-making for urban planning and building management. | | | |
| **[Project Documents](#Project_Documents" \o "Describe the impact of the proposed change on each project document.)**   * Project Plan * Technical Specifications * Data Analysis Methodology * Dashboard Design Document | | | |

[**Comments**](#Comments)

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| This change aligns with the project's core objective of providing comprehensive insights into apartment building standards in Toronto. The benefits of implementing this statistical model outweigh the moderate impacts on scope and schedule. |

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| **[Disposition](#Disposition" \o "The Change Control Board (or other authority) determines whether the change is approved, deferred, or rejected.)** |  |  |  |

**[Justification](#Justification" \o "The Change Control Board provides a justification for the change request disposition.)**

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| The implementation of a statistical model for analyzing building evaluation factors is crucial for enhancing our project's analytical depth and providing stakeholders with actionable insights for urban planning and property management. Despite minor resource and timeline impacts, this change aligns with our commitment to delivering high-quality, data-driven solutions that address critical apartment building standards in Toronto, with long-term benefits that significantly outweigh short-term adjustments. |

**Change Control Board Signatures**

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| |  |  |  | | --- | --- | --- | | **Name** | **Role** | **Signature** | | Jibin K Sebastian | Project Manager | *A close-up of a logo  Description automatically generated* | | Vishal Ramesh Babu | Business Analyst | **A close up of a signature  Description automatically generated** | | Jibin George | Lead Analyst | **A close-up of a signature  Description automatically generated** | | Kailas Krishnan Radhakrishnan Sudhadevi | Technical Consultant | **KailasKrshnan** | | Yashas Mysore Srihari | Tableau specialist | **YashasMS** |   **Date: 10/01/2024** |