**Project Charter**

**Date 4**/25/2023

| **Project Title**: Reducing 30-day Readmission Rate for diabetic patients | | | |
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| **Project Start Date:** 4/14/2023  **Projected Finish Date:** 5/2/2023 | | | |
| **Budget Information:** $0 | | | |
| **Project Manager:** Amy Liu yi.liu.2@stonybrook.edu | | | |
| **Project Objectives:** To reduce the 30-day readmission rate for diabetic patients by analyzing a large dataset of diabetic patient records and designing a predictive model using machine learning algorithms to identify patients at high risk of readmission. | | | |
| **Success Criteria:**   * Identifies leading variables of readmission * Predictive model is accurate and reliable * Project milestones are met on time * Successful integration of predictive models into hospital’s workflow * Stakeholders are satisfied | | | |
| **Approach:**  Python program will be used to analyze the dataset of diabetic patient records to determine the leading variables of readmission. A predictive model that identifies high risk patients will be designed and deployed. Tableau program will be used to visualize the work done in building the diabetes remission predictive model. | | | |
| **Roles and Responsibilities** | | | |
| ***Name and Signature*** | ***Role*** | ***Position*** | ***Contact Information*** |
| Amy Liu | Project manager |  | yi.liu.2@stonybrook.edu |
| Unknown | Stakeholder | Director of clinical informatics |  |
| Wenjing Kuang | Team member | Coder | wenjin.kuang@stonybrook.edu |
| Emmanuel Ekwebelem | Team member | Coder | emmanuel.ekwebelem@stonybrook.edu |
| Stephanie Low | Team member | Coder | stephanie.low.1@stonybrook.edu |
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| **Comments:** (Handwritten or typed comments from above stakeholders, if applicable) | | | |