Project Status Report

Your Name: Chongyuan Liu

Project Title: RoboScale: LLM-Driven Robot Replaceability Assessment Tool

Date of report: Oct 25, 2023

1. Project Status and Explanation:

Project Status Area	Status (RYG)	Explanation
1. Overall Project Status	🟡	Issue encountered: How to link each task between O*NET 2010 dataset and ITIF table.
2. Project Schedule	🟢	On schedule
3. Project Deliverables	🟡	The Robot Replaceability Scale tool was built and documented. Currently working on the objective 2.
4. Resources & Collaboration	🟢	Need explanation and clarification about how to compare and validate the tool with subject matter experts' predictions
5. Changes	🟢	No change request at this moment
6. Communication	🟢	Weekly meeting (in person in Midtown campus or Zoom session); Emails exchange

For status above, indicate **Red**, **Orange**, or **Green**:
- **Red**: Critical issues, serious risks to project, significant intervention must occur to achieve success, potential for stoppage of project activity. Project slipping by 5+ days, and resources uncommitted to meet deliverables
- **Orange**: Some major issues, moderate risk to project, must monitor closely, some internal or/and external dissatisfaction with progress. Project plan slipping by 2+ days.
- **Green**: No major issues, minimal risk to project, on target with expected outcomes, project on schedule, everyone satisfied with progress.

2. **List All Completed Project Tasks:**

   - Project proposal completed
   - Project schedule and WBS planned
   - Major materials and documents obtained
   - Project sponsor agreement, Project sponsor acceptance prepared
   - Project Charter created
   - Literature review section completed
   - The Robot Replaceability Scale tool was built and documented

3. **List any concerns or issues that need the professor's involvement:**
   - Need explanation and clarification about how to compare and validate the tool with subject matter experts' predictions
   - Considering the huge quantity of occupations in the ITIF table, do I need add tasks and their descriptions one by one manually? Seems very timeconsuming.
   - How to compare McKinsey scale? Should I put all the O*NET data into 18 groups as in the McKinsey report?
   - How to link the Goldman Sach scale tasks to the O*NET dataset tasks? (Only by Examples of Tasks by Difficulty?)

4. **Next series of tasks to complete:**
   - Compare the RoboScale tool results to McKinsey and Goldman Sach scales.
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5. **Sponsor Signoff**
   Sponsor indicates agreement with the above status report:

By (signature):   _Andres Fortino_
                   _____
                                Project Sponsor

Printed Name: Dr. Andres Fortino
                   _____
                               Please print in English