**Sprint 1 Intermediate Product Report**

**Team Name: AI-Driven Budgeting Suite: Intelligent Forecasting and Dynamic Budget Management**

**Team Members:**

* **Ryan Ellis**
* **Varshini Muniswaran**
* **Ansh Hemang Dani**
* **Rounak Sharma**
* **Maaz Naqvi**

**Sponsor: Jay Manwani**

**Date: 9/26/2025**

## **1. Overview**

Provide a brief overview of the Sprint goal and the work completed. This is the goal defined during the Planning phase.

* **Sprint Goal**: The primary goal of sprint 1 was to begin accessing the code provided to us by our sponsor, ensuring we can all at the minimum view current and old versions. We also heavily leaned into the research side of the project splitting tasks to ensure when coding does begin around sprint 3 onwards we will be able to have most common questions already answered.
* **Work Completed**: The work that has been fully finished is as follows: NDA’s have been signed and accepted from all members, All members now have access to the code this includes the most modern versions of the front and back end, along with the old versions. And lastly about 30% of the research projects that were assigned out have been completed, as of writing this.

## **2. Achievements**

* List the user stories (not the tasks) developed during the sprint. Update the status for each of the user stories (including their tasks) in the Taiga (or equivalent) board.
* **User Stories**:
  + Seasonal Forecasting
  + Monthly Expense Forecasting
  + Scenario-based forecasting

**3. Risk Management**

**Risk Identification and Assessment**

Identify potential risks in various categories and assess the likelihood and impact of each risk.

### **Foreseen Risks and Challenges**

One risk that was known of and discussed by the team prior to the beginning of the sprint was the accessibility of code. We were required to all have NDA’s signed and approved and just recently got access to the official code. This was slightly slower than we had hoped, but still has us on great track given sprint 0 very lightly relied on code readiness.

### **Report Unexpected Risks and Challenges**

Currently no unexpected risks.

## **Update Ongoing Risk Management**

The expected risk was addressed at the beginning of the Sprint greatly reducing the impact that it had during the active sprint. If the risk were to come back up and someone were to lose access to code, we would ensure to have them reach out the product owner to get an answer as to what the issue could be and how it will be addressed.

## **Incorporate Risk Management**

Put in WIKI section of Taiga Board.

## **4. Contribution Metrics**

Include the following metrics:

* **Overall, Team Velocity**: 14
* **Velocity by Each Team Member**:
  + Ryan Ellis: 5
  + Varshini Muniswaran: 3
  + Ansh Hemang Dani: 3
  + Rounak Sharma: 3
  + Maaz Naqvi: 2
* **Chart of Historical Velocity**:
  + Team Average: 14
  + Individual Team Members: [Chart not applicable to sprint 1]
* **Accuracy of Estimated Effort**: Members agreed that the effort was rather similar to the assumptions made prior to the sprint.

## **5. Evidence**

* Taiga Board: <https://tree.taiga.io/project/vshini-6-ai-budgeting-forecasting-system/epics>
* GitHub Repository: <https://github.com/Ryan-Ellis1341/CSE485Capstone/>
* Contributor's Graph: Image

A screenshot of a computer

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* Explanation of Outliers:
  + If one or more team members have a low velocity, please explain the circumstances and how this will be remedied in the future: [Explanation]

## **6. Feedback Summary**

Summarize any feedback received from Customer/Product Owner and how it was addressed.

* **Feedback Summary**: Make sure to all get NDA’s signed and sent back in a timely manner, along with all requesting access to code once NDA has been approved. Simply ensuring access for all group members.
* **Addressed Feedback**: Acknowledged and completed within just a few days of the start to sprint 1.

## **7. Updates**

Adjustments, new or withdrawn EPICs/user stories, and changes in priority.

* **Adjustments**:
  + Currently no changes for EPICS, or User Stories.
* **New or Withdrawn EPICs/User Stories**:
  + Currently no changes for EPICS, or User Stories.
* **Changes in Priority**:
  + Currently no changes for EPICS, or User Stories.

## **8. Signature from the Product Owner/Client**

A close-up of a message

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