

Infosys Project - Sprint 1 Report

Project Title: Real-Time Industry Insight & Strategic Intelligence System
Sprint Name / Phase: Sprint 1 – Module Development and Workflow Setup
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Completion Date: November 1, 2025

I. Executive Summary

This sprint focused on setting up the foundational structure for the Real-Time Industry Insight & Strategic Intelligence System. The main objective was to create a workflow that connects data sources, enables automation, and provides strategic insights through visualization. During Sprint 1, the team successfully completed workflow creation, module setup, and established the technical groundwork for automation and analysis.

II. Workflow and Task Completion

Task Name	Priority	Dependency	Assigned To	Status
Introduction to project(Form Filling AI)	MUST HAVE	No Dependency	Seenu Ananth K	3- Completed
Workflow Creation and Project Goal Document	MUST HAVE	Lucid Chart	Seenu Ananth K	3- Completed
Document Discussion(Agile Template,Defect Tracker,Unit Testing)	MUST HAVE	No Dependency	Seenu Ananth K	3- Completed
Use Case Research and Preparation	SHOULD HAVE	W3School	Seenu Ananth K	3- Completed
Python practice Kit Completion	MUST HAVE	HackerRank	Seenu Ananth K	3- Completed
SQL practice Kit Completion	MUST HAVE	HackerRank	Seenu Ananth K	3- Completed
Project Discussion Module 1(Voice Input and Language Processing)	MUST HAVE	Web Speech API	Seenu Ananth K	3- Completed
Project Discussion Module 2(Workflow Automation and Optimization)	SHOULD HAVE	VS Code	Seenu Ananth K	2- In Progress
Project Discussion Module 3(Integration with existing services)	SHOULD HAVE	MYSQL, Flask for backend	Seenu Ananth K	2- In Progress
Project Discussion Module 4(Testing and Deployment)	MUST HAVE	Render	Seenu Ananth K	2- In Progress

III. Technical Implementation Overview

The system architecture for this sprint included the use of Python, Pandas, and Flask for data processing and backend integration. Workflow automation was initiated using the Web Speech API for form input and data validation. Integration with SQL databases was planned for structured data handling and storage, ensuring seamless data flow between modules. Render was selected as the deployment platform for hosting the project's backend services.

IV. Learning Outcomes

Through this sprint, key learnings included Agile methodology implementation, workflow creation, and module-based development. Hands-on experience was gained in API integration, automation tools, and database management. This sprint enhanced understanding of how voice-based automation can streamline data input processes while maintaining system accuracy.

V. Next Sprint / Future Work

The upcoming sprint will focus on enhancing automation accuracy and integrating AI-driven data analytics. Planned improvements include Flask backend development, MYSQL database connections, and workflow optimization for seamless execution. Testing and deployment pipelines will be finalized on Render to ensure scalability and robustness of the system.