# Capstone Weekly Status Report 2

**Date and Time**: September 14, 2025

**Student Name**: Satwik Alla

**Capstone Project**: Digital Solutions for Organizational Efficiency Enhancement (Working title)

**Capstone Sponsor**: Partnership negotiations in final stages - confirmation expected by September 18th

**Capstone Advisor**: Prof. Mohammad Samarah & Prof. Melissa Sahl

**Status Details:**

**Work accomplished this Week**

* **Sponsor Partnership Progress**: Advanced discussions with 2 priority organizations (DoIT@UMBC and one organization through Maryland Nonprofits network) - both expressing strong interest and capability to support capstone requirements.
* **Requirements Engineering Preparation:** Developed comprehensive stakeholder interview protocols and data collection frameworks for immediate deployment upon sponsor confirmation
* **Technical Architecture Planning:** Created preliminary system architecture options for identified problem domains (non-profit resource coordination, academic workflow optimization)
* **Proposal Refinement:** Updated 95% of final proposal content with flexible framework that can be quickly customized based on confirmed sponsor's specific needs
* **Risk Mitigation:** Established backup sponsor pipeline with 3 additional organizations identified and initial contact made
* **Documentation Standards:** Created project documentation templates and established Git repository structure ready for immediate deployment

**Work Planned for Next Week**

* **Project Proposal Presentation**: Schedule and conduct detailed project discussions with Maryland Nonprofits and UMBC DoIT to present specific technical solutions and assess sponsor interest
* **Sponsor Decision:** Finalize sponsor selection based on organizational fit, technical requirements, and project feasibility by September 18th
* **Final Proposal Completion:** Integrate confirmed sponsor details and selected project specifications into final proposal submission
* **Requirements Initiation:** Begin stakeholder interviews and detailed requirements gathering with selected sponsor organization
* T**echnical Preparation:** Establish development environment, Git repository, and initial project documentation structure
* **Backup Coordination:** Continue engagement with expanded sponsor pipeline (6 additional organizations contacted) as contingency planning

**Problems, obstacles, needs, or questions that I need help with from client, advisor, or instructor**

* **Decision Timeline**: Need to make final sponsor selection by September 18th to allow adequate time for requirements gathering before September 22nd deadline - request guidance if both priority sponsors confirm interest simultaneously
* **Scope Validation**: Require confirmation that proposed technical approaches meet capstone complexity requirements across multiple software engineering subfields
* **Consent Process**: Need clarification on consent form execution timeline - whether digital signatures are acceptable or if physical signatures are required for sponsor agreements

**Overall Status**

* Project Status Color: Yellow (trending towards green)
* Project Status Color from Previous Week: Green