# Capstone Weekly Status Report 3

**Date and Time**: September 21, 2025

**Student Name**: Satwik Alla

**Capstone Project**: Intelligent Accessibility Content Converter for Educational Institutions

**Capstone Sponsor**: No confirmed sponsor - proceeding with Professor Samarah's guidance for students without secured partnerships

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

**Status Details:**

**Work accomplished this Week**

1. Final Proposal Completion: Developed comprehensive 15-user story technical specification for AI-enhanced accessibility system addressing educational content conversion challenges.
2. Sponsor Search Documentation: Compiled systematic outreach records for 12 organizations with detailed contact information, response tracking, and lessons learned analysis per professor requirements.
3. Technical Architecture Design: Created modular microservices architecture plan integrating React.js frontend, Python/Django backend, and AI services (OpenAI, Google Cloud Vision).
4. Requirements Engineering Framework: Established stakeholder interview protocols and accessibility compliance testing procedures.
5. Project Scope Refinement: Transitioned from broad organizational efficiency focus to specialized accessibility technology solution based on research findings and institutional needs assessment.
6. Risk Assessment: Developed comprehensive 3-month implementation timeline with alpha, beta, and final checkpoint deliverables.

**Work Planned for Next Week**

1. Final Proposal Submission: Complete proposal submission by September 22nd deadline with all required documentation per handbook specifications
2. Technical Environment Setup: Establish Git repository structure, development environment configuration, and initial project documentation framework
3. Literature Review Initiation: Begin comprehensive analysis of existing accessibility tools and competitive landscape assessment
4. Stakeholder Research: Conduct preliminary research on UMBC accessibility services and potential user interview candidates
5. Technology Evaluation: Assess AI service options and integration requirements for text-to-speech, OCR, and image description capabilities
6. Alpha Checkpoint Planning: Develop detailed sprint planning for October 13th alpha deliverable targeting core conversion functionality

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

1. Sponsor Status Clarification: Require guidance on next steps for internal project assignment process and timeline for program-sponsored project consideration
2. Technical Scope Validation: Need confirmation that proposed AI integration complexity and 15-user story scope meets graduate-level capstone requirements across software engineering subfields
3. Implementation Priority: Request advice on balancing technical sophistication with 3-month deliverable timeline constraints

**Overall Status**

* Project Status Color: Yellow (proposal complete but sponsor uncertainty)
* Project Status Color from Previous Week: Yellow