**Final Project Documentation**

**NBSC Institute for Computer Studies**  
**Thesis/Capstone Repository and Adviser Assignment System**  
[Figma Prototype Link](https://www.figma.com/proto/SjtfU9q08PzCx5zPpPnYsc/Capstone-Management-System?node-id=18-23&starting-point-node-id=18%3A23&t=9ztJdP1hWLnc4PLS-1)

**1. Project Proposal**

**Title:**

**NBSC ICS Thesis/Capstone Repository and Adviser Assignment System**

**Project Description:**

A centralized, web-based platform designed to manage and streamline the capstone workflow for students, advisers, and faculty at the Institute for Computer Studies, NBSC. The system facilitates digital proposal submission, adviser assignment, project progress tracking, and real-time panelist feedback.

**Project Objectives:**

* Simplify thesis/capstone submission and review processes.
* Enable efficient adviser assignments.
* Improve communication among students, advisers, and coordinators.
* Digitize ICS research document storage for future references.

**Project Scope:**

* For NBSC ICS students, faculty, and administrators only.
* Supports uploading, reviewing, and feedback of capstone-related documents.
* Adviser auto-assignment module based on field and availability.

**Stakeholders:**

* **Students** – Submit and track capstone progress.
* **Advisers/Panelists** – Review proposals, give feedback.
* **ICS Coordinator/Admin** – Manage user accounts and oversee the system.

**2. Project Planning Documents**

**Gantt Chart / Timeline:**

| **Task** | **Start Date** | **End Date** | **Duration** |
| --- | --- | --- | --- |
| Planning & Research | Apr 20 | Apr 25 | 5 days |
| UI/UX Design (Figma) | Apr 26 | May 2 | 7 days |
| Frontend & Backend Development | May 3 | May 12 | 10 days |
| Testing and Fixing | May 13 | May 15 | 3 days |
| Documentation and Report | May 16 | May 18 | 3 days |
| Submission and Presentation | May 19 | May 22 | 4 days |

**Budget & Resources:**

| **Resource** | **Description** | **Estimated Cost** |
| --- | --- | --- |
| Hosting | Firebase or local server | ₱500/month |
| Tools | Figma (free plan), VS Code | ₱0 |
| Human Resources | Student effort (solo/group dev) | ₱0 |
| Misc. | Printing, folders | ₱100 |

**Risk Management Plan:**

| **Risk** | **Probability** | **Impact** | **Solution** |
| --- | --- | --- | --- |
| Missed deadlines | Medium | High | Gantt chart tracking |
| Adviser unavailability | High | Medium | Manual override option |
| Data loss | Low | High | Regular backups and versioning |
| Internet/connectivity issues | Medium | Medium | Offline upload queuing |

**Communication Plan:**

| **Stakeholder** | **Communication Tool** | **Frequency** |
| --- | --- | --- |
| Project Members | Messenger, Discord | Daily |
| Adviser/Faculty | Email | Weekly Updates |
| Panelists | In-person/email | Final Review |

**3. System Design Brief**

**Prototype:**

[Figma UI Design](https://www.figma.com/proto/SjtfU9q08PzCx5zPpPnYsc/Capstone-Management-System?node-id=18-23&starting-point-node-id=18%3A23)

**Key UI Screens:**

* **Login / Register**
* **Student Dashboard**
* **Proposal Submission**
* **Document Upload**
* **Status and Feedback**
* **Adviser Dashboard**
* **Admin Panel**

**Design Notes:**

* Clean, minimalist UI aligned with NBSC branding.
* Color palette: Soft blue/gray with academic accents.
* Responsive layout for mobile and desktop.

**4. Implementation Strategy**

**Deployment Plan:**

* Local testing using XAMPP/Laravel or Firebase.
* Future deployment on school intranet or cloud server (e.g., Render, Vercel).
* Account credentials managed per NBSC email address.

**User Manual Outline:**

**For Students:**

* Login/Register
* Submit proposal
* Upload documents
* Check status

**For Advisers:**

* View student list
* Review proposals
* Upload feedback

**For Admins:**

* Assign advisers
* Manage users
* View analytics

**5. Final Report & Presentation**

**Summary:**

This project provides a practical, scalable solution to streamline NBSC ICS’s thesis and capstone project lifecycle. It covers proposal submission, adviser coordination, document tracking, and stakeholder communication—all in one system.

**Lessons Learned:**

* The importance of user-centered UI design.
* Clear documentation and version control are critical.
* Task breakdown and time tracking prevent delays.

**Evaluation of Success:**

* Fully working clickable prototype (Figma).
* All modules planned, designed, and visualized.
* Aligns with NBSC’s push for academic digital transformation.