

# Design for Social Innovation – Monsoon 2025

## Final Exam

Duration: 60 mins

Total Marks: 50

*Answer based on the course discussions and the course project. Keep answers specific and within the required length. Penalty for long answers.*

### Section A – Short Answers:

(5 x 2 = 10 points)

Please answer the following question in 1 to 2 lines, based on your specific project.

1. What is the core problem your project aims to solve, state in one clear sentence?
2. Who is the primary user of your system, and what is the single most important value it provides them?
3. What are the two most essential features of your solution, and why are they critical?
4. What is the most significant technical component in your system (backend or ML), and what role does it play?
5. If your project were to go live tomorrow, what is one real-world challenge it would face?

### Section B – Long Answers:

(2 x 20 = 40 points)

#### 1. Technology Stack & Architecture for Social Innovation (1/2 page + diagram)

Explain your system's technical architecture and justify why it was appropriate for a social innovation context. Discuss whether and how your choices differ from conventional architectures.

Try to address the following in your response:

- a. What specific needs of the social domain (offline support, scalability, simplicity) shaped your architecture?
- b. How did you ensure reliability and maintainability within resource-constrained settings?
- c. Include an architecture diagram.
- d. Support your reasoning with 2 to 3 references or case studies (e.g., social sector technology deployments, humanitarian systems, civic-tech platforms.)

#### 2. Future Directions, Extensions & Technical Roadmap (3/4 page)

Imagine you are given an additional 6 to 12 months to continue developing this project. Write a forward-looking essay covering:

- a. How would you advance the project?
- b. Data & ML Enhancements
- c. Deployment & Impact
- d. Risks & Constraints

You are encouraged to be realistic but imaginative, grounded in course learning.