

MCA 2nd Semester Field Work Report (2024–2026)

Course: ADBMS

Date: 3/12/2025

Group A – College Club Management System

Group Members:

- Dishanta Adhikari (24120160-12)
- Jyotirmoy Saha (24120160-29)
- Jyotirmoy Goswami (24120160-14)
- Jyotiprakash Rabha (24120160-13)
- Priyanko Singha (24120160-20)

Project Summary:

This project aims to streamline college club operations through a digital system that manages membership, events, sponsors, and feedback. A role-based interface serves coordinators, members, and sponsors to improve efficiency and communication. Data was gathered through expert interviews and group discussions. The system design includes an ER model, a normalized relational schema, and data flow diagrams. Future enhancements will include AI integration, mobile applications, and cloud deployment.

Group B – Student Grievance Redressal System

Group Members:

- Deepika Sarkar (24120160-09)
- Brishni Jyoti Bharali (24120160-28)
- Mousikha Goswami (24120160-17)
- Arpita Kurmi (24120160-03)
- Pitambar Choudhury (24120160-19)

Project Summary:

The Student Grievance Redressal System is a digital platform designed to efficiently manage and resolve student complaints. It features a role-based interface for students, faculty, and administrators, enabling easy submission, tracking, and resolution. Based on expert interviews and group discussions, the system is structured using an ER model, normalized schema, and DFDs. Future plans include a web interface, mobile app, data analytics, enhanced feedback mechanisms, and secure role-based access control.

Group C – Alumni Management System

Group Members:

- Abhisekh Kumar Nath (24120160-01)
- Bhramar Jyoti Kakati (24120160-05)
- Bibek Haloi (24120160-06)
- Dhiraj Deka (24120160-10)
- Dhruba Jyoti Kalita (24120160-11)

Project Summary:

This project focuses on enhancing alumni relations through a centralized Alumni Management System. It manages data, events, donations, and communication via a role-based interface for administrators, alumni, and sponsors. The system is based on consultations and group discussions, and is structured using an ER model, relational schema, and DFDs. Planned enhancements include AI-driven engagement, mobile apps, and cloud deployment.

Group D – Canteen Management System

Group Members:

- Arijit Bhattacharjee (24120160-02)
- Suman Kalita (24120160-27)
- Sreyan Biswas (24120160-25)
- Hardik Poddar (24120160-32)
- Khairul Islam (24120160-15)

Project Summary:

The Canteen Management System digitizes order and menu management to improve efficiency and customer service. It includes staff coordination, order processing, and menu updates. The system design features ER diagrams and DFDs. Future upgrades will incorporate real-time tracking, feedback modules, mobile app support, and AI-based menu recommendations.

Group E – Transport Management System

Group Members:

- Subhajeet Das (24120160-26)
- Sauvik Roy (24120160-22)
- Ashish Das (24120160-04)
- Raktim Das (24120160-21)
- Shilpi Sikha Baruah (24120160-23)

Project Summary:

The Transport Management System digitizes university transport operations, including bus allocation, driver management, and commuter registration. Admins can manage routes, bookings, and fees. Data from the authority was analyzed to create a comprehensive database. Future plans include GPS tracking, machine learning-based route optimization, and emergency response protocols.

Group F – Hostel Management System

Group Members:

- Debotri Bhattacharjee (24120160-08)
- Kunal Das (24120160-16)
- Simran Paul (24120160-24)
- Nafisa Zaman (24120160-18)

Project Summary:

This project automates hostel functions such as registration, room allocation, fee collection, attendance, visitor logs, and feedback. The system enhances transparency and reduces manual work. It includes an ER model, normalized schema, and DFDs. Future plans feature AI integration, mobile access, biometric authentication, and cloud deployment.

Group G – Store Management System

Group Members:

- Hridoyanandita Roy (24120160-31)
- Pratibha Prasad Gupta (24120160-30)
- Bijaya Ghosh (24120160-07)

Project Summary:

This project develops a digital Store Management System to streamline inventory tracking, supplier interactions, and inter-department coordination. It includes stock monitoring, automated order processing, and delivery tracking. Data was gathered through staff discussions and analysis of store records. The design uses ER models, relational schema, and DFDs. Future enhancements include smart alerts, dashboards, mobile access, and role-based data protection.