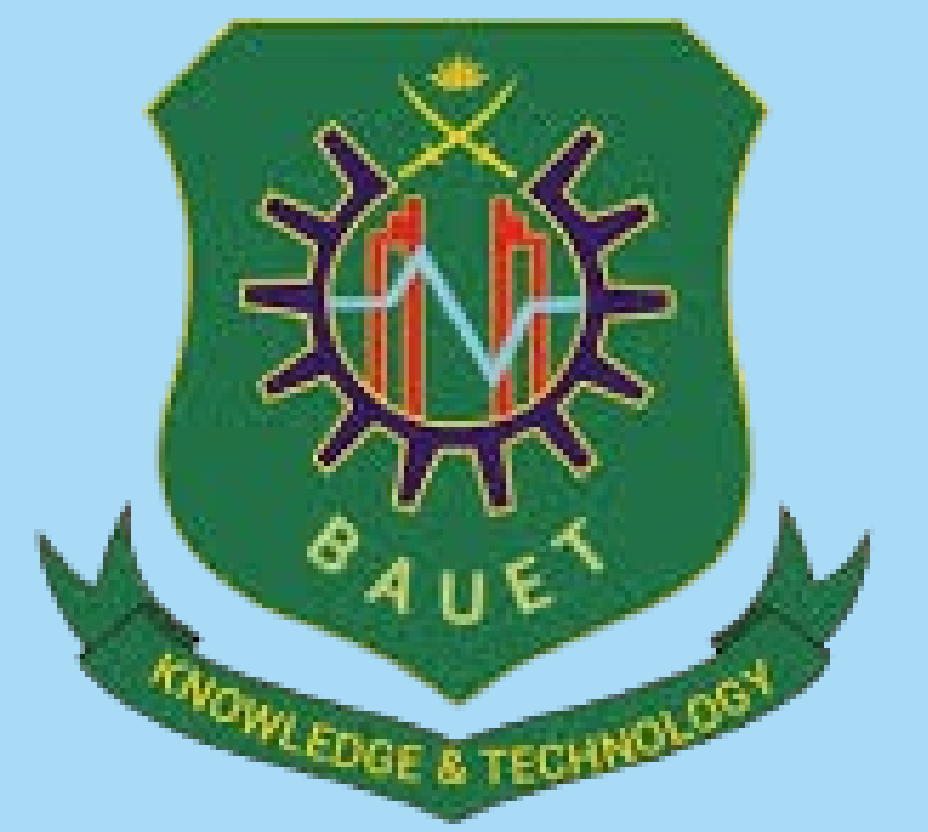


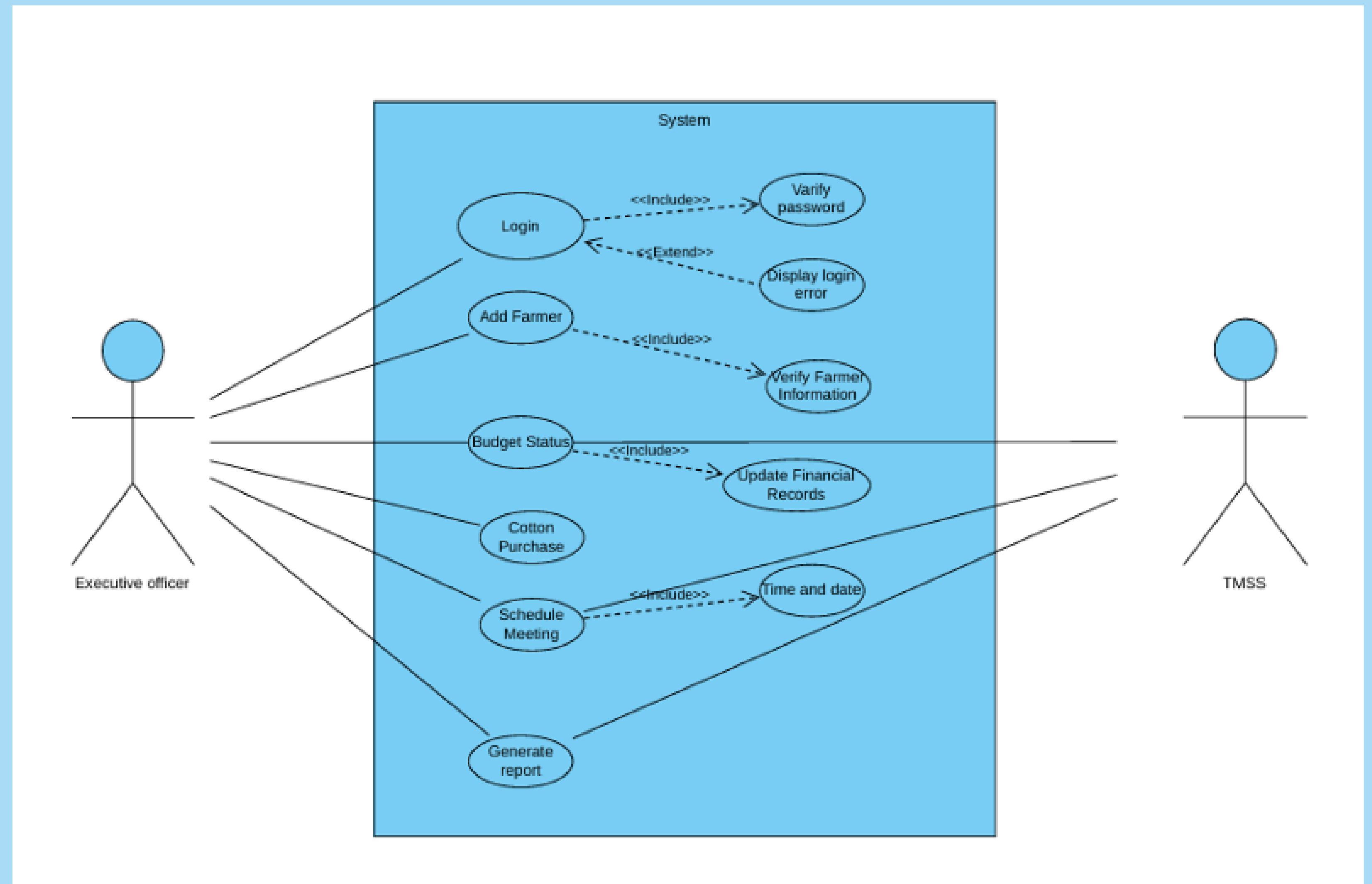
# TMSS Cotton Development Project



## Introduction

- TMSS Cotton Development Section promotes sustainable cotton farming in Bangladesh.
- Executive Officers (EOs) conduct manual monthly meetings with higher authorities for progress review and planning.
- Manual processes cause time delays, high costs, and administrative inefficiency.
- The proposed web-based automation system will digitize meeting management, document sharing, and task tracking.
- The system ensures transparency, faster communication, and improved accountability.

## Use Case Diagram



## Objectives

- Automate meeting process
- Reduce cost & workload
- Speed up decision-making
- Ensure data transparency & security

## Analysis

- **Current Problems:**
  - Manual data handling and reporting.
  - High meeting costs ( $\approx$  31.5 million BDT/year).
  - Limited coordination among stakeholders.
  - No centralized record of meetings or documents.
- **Proposed Solution:**
  - Web platform with modules for meetings, reports, tasks, notifications, and dashboards.
  - Role-based access control for EO, Authority, and Admin.
  - Bilingual (Bangla/English) interface and mobile compatibility.

## Advantages

- 💰 Cost reduction: Saves up to 15–31 million BDT/year.
- ⚡ Faster communication and decision-making.
- 🗄️ Centralized data storage for meetings and reports.
- 🛡️ Secure access with audit logs and encryption.
- 📱 Mobile-friendly and supports low internet speeds.
- 🌍 Eco-friendly — reduces paper and travel use.

## System Design

- DFD ( Data Flow Diagram)
- Use Case Diagram
- ER Diagram
- Class Diagram

## Limitations

- Requires initial setup and user training
- Needs regular maintenance and technical support
- Possible user input errors
- May be difficult for less tech-savvy users

## Feasibility

- **Technical:** Feasible using standard web technologies (HTML,CSS, MongoDB).
- **Economic:**
  - Development cost: BDT 675,000 (Year 1)
  - Maintenance: BDT 115,000/year (from Year 2)
  - Annual savings: 15–31 million BDT
- **Operational:** Easy to use; training provided; suitable for rural officers.
- **Scalable:** Can add new modules and user roles later.

## Conclusion

The TMSS Cotton Development Project Website will digitize meeting and reporting processes, reducing manual effort and communication delays. By automating scheduling, documentation, and approvals, it enhances transparency, efficiency, and accountability. The system significantly cuts costs saving up to 15–31 million BDT annually while improving coordination and supporting sustainable project management.