

PROJECT SYNOPSIS

1.1 TITLE OF THE PROJECT

**Menasi Seemeya Group Gramagala Seva Sahakari Sangha Niyamita vanalli
Co-operative Society Management System**

1.2 INTRODUCTION

A Cooperative Society Management System (CSMS) is a software solution designed to automate and streamline the administrative and operational processes of cooperative societies. It is a voluntary association of individuals who come together to achieve a common economic goal. The society provides various services to its members, including loans, shares, and other financial products.

In order to manage the day-to-day operations of the society efficiently, a Cooperative Society Management System is essential. This system provides a comprehensive solution for managing member information, share transactions, loan applications, and financial transactions. The CSMS aims to replace traditional manual methods with a centralized digital platform, improving efficiency, transparency, and accuracy.

1.3 OBJECTIVE OF THE PROJECT

- Automate society operations
- Improve member satisfaction
- Enhance financial management
- Increase efficiency and productivity
- Provide accurate reporting and analytics
- Data will be stored, maintained and access by a computer software

1.4 INPUT OF THE PROJECT

➤ **Admin Details :**

Username, password, role

➤ **Members details :**

Personal info, employment status, member ID, account info

➤ **Deposits and withdrawal :**

Transaction date, amount, account number, transaction type

➤ **Balance requests :**

Account number, member ID

➤ **Transaction extract request :**

Account number, data range, transaction

➤ **Product Details :**

Product ID, product name, description, price, quantity in stock

1.5 OUTPUT OF THE PROJECT

➤ **Admin details :**

Admin dashboard, access to manage employee/member data

➤ **Members records :**

Employee and members profile, account information, transaction history

➤ **Deposits and withdrawal confirmation :**

Transaction confirmation, updated account balance, transaction receipt

➤ **Balance request response :**

Current account balance, account statement

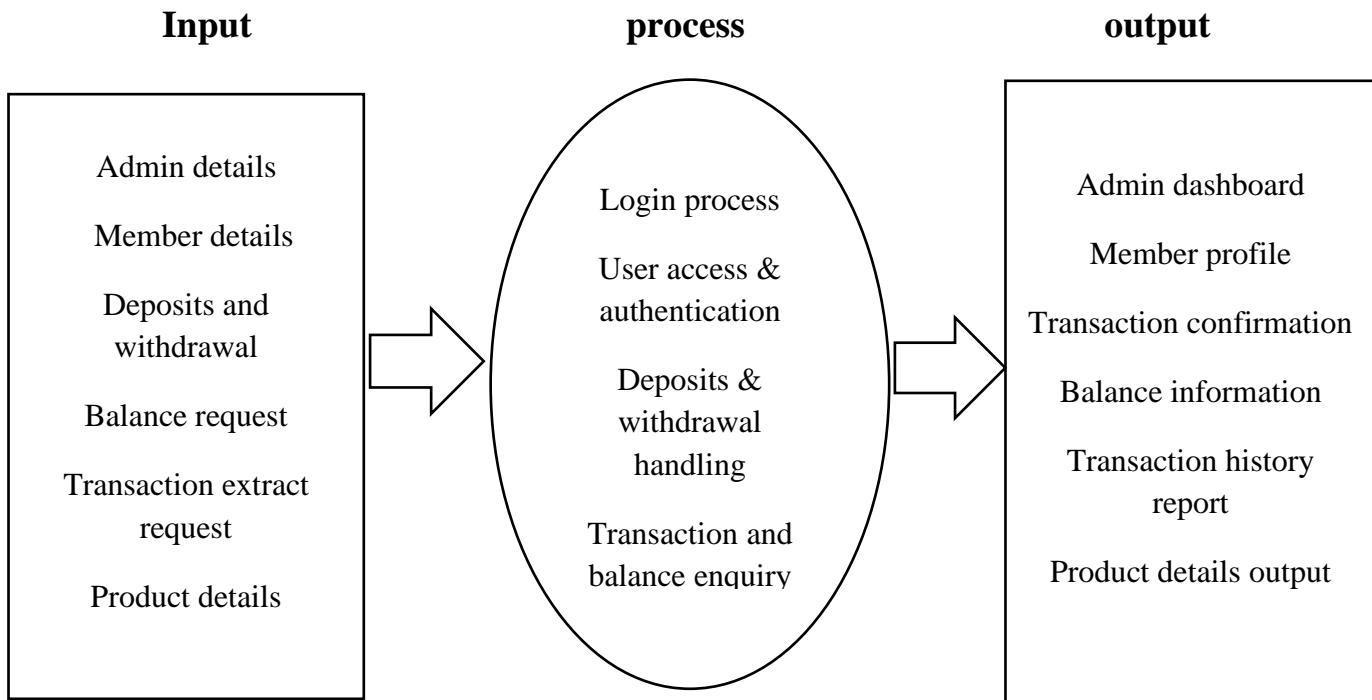
➤ **Transaction extract report :**

Transaction history report, detailed transaction list,

➤ **Product-Details-Output:**

Product catalog with name, price, availability status, and description

1.6 PROCESS LOGIC



1.7 MODULES

1. Admin Module

- Admin login
- Manage member accounts
- Manage product details

2. Member Management Module

- Add/update member details
- View member profiles
- Assign membership IDs

3. Transaction Management Module

- Record deposit and withdrawal transactions
- View transaction history
- Generate and print transaction receipts

4. Balance Inquiry Module

- Process balance check requests
- Display current balance of member accounts

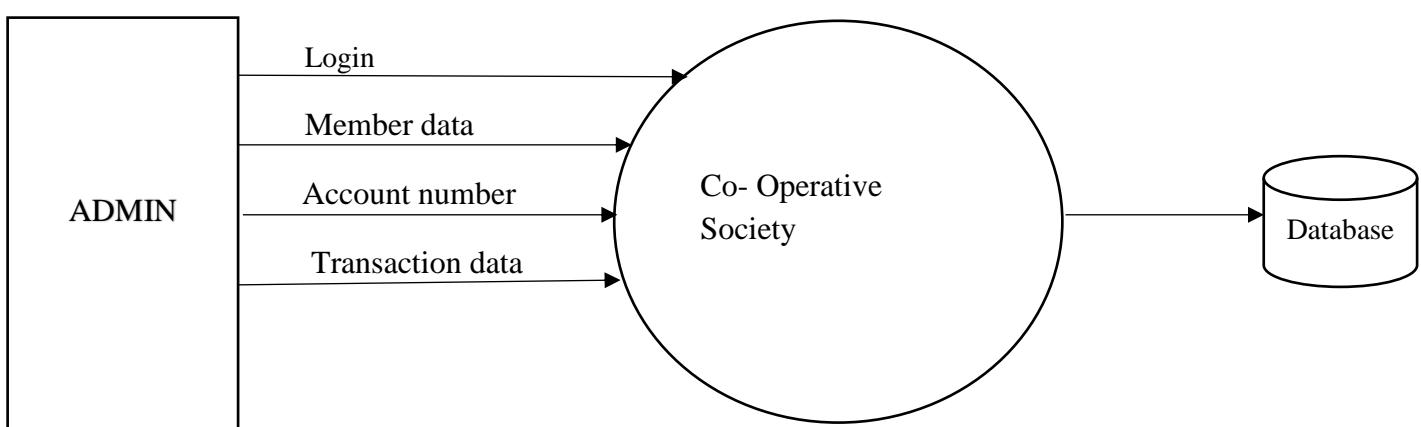
5. Transaction Extract Module

- Generate transaction history for a given date range or member

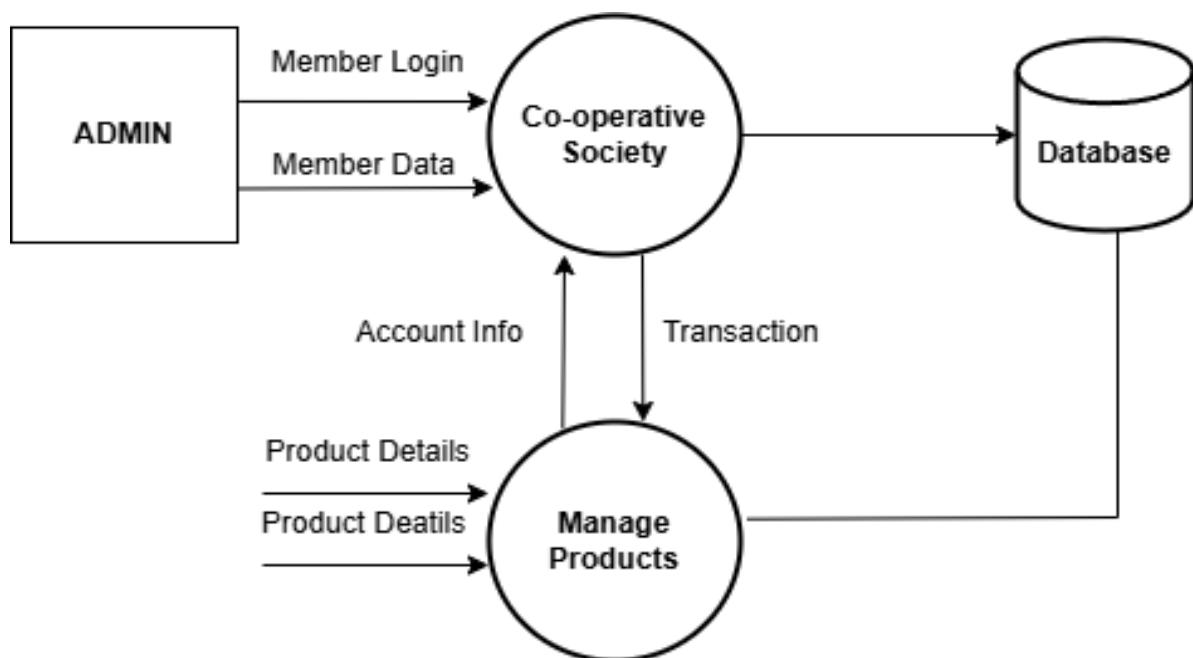
6. Product Management Module

- Add new products (ID, name, price, stock quantity, etc.)
- Update and delete product details
- View product catalog and availability

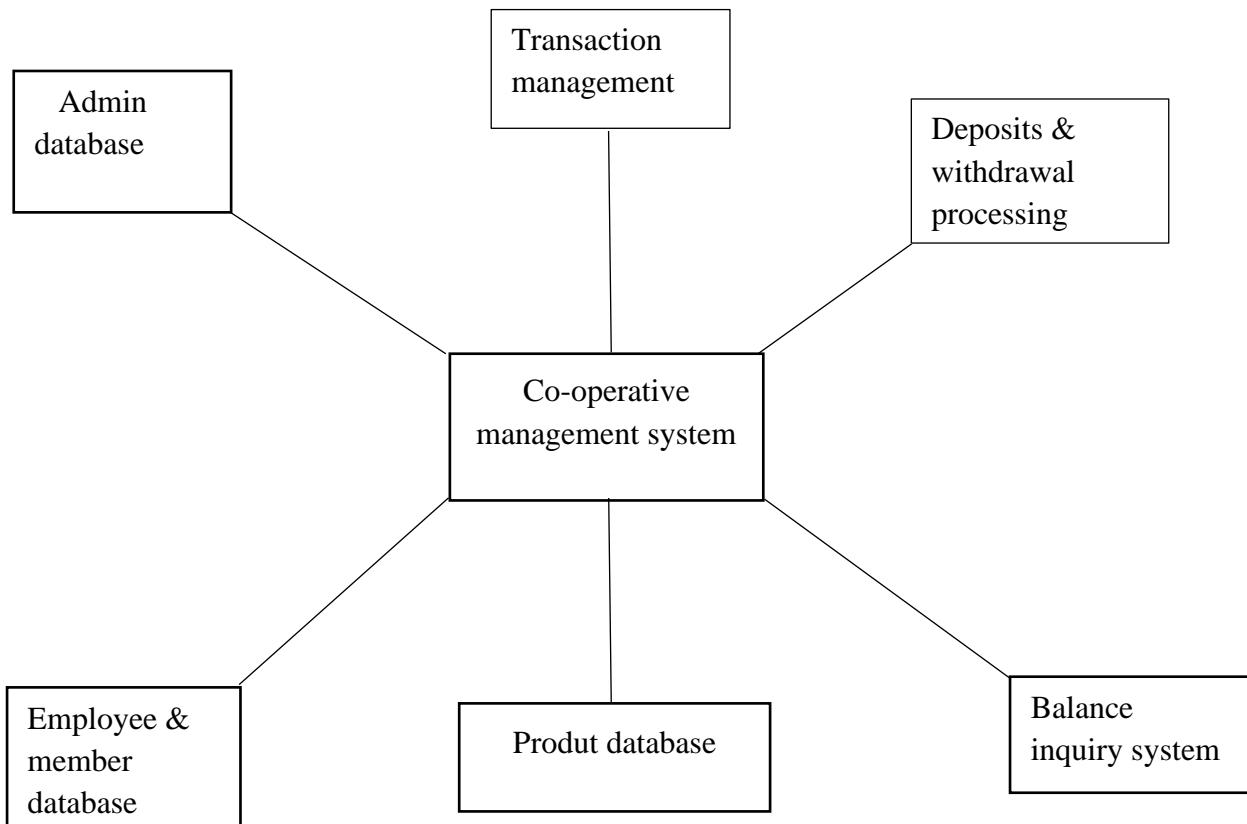
1.8 DATA FLOW DIAGRAM (ZERO LEVEL)



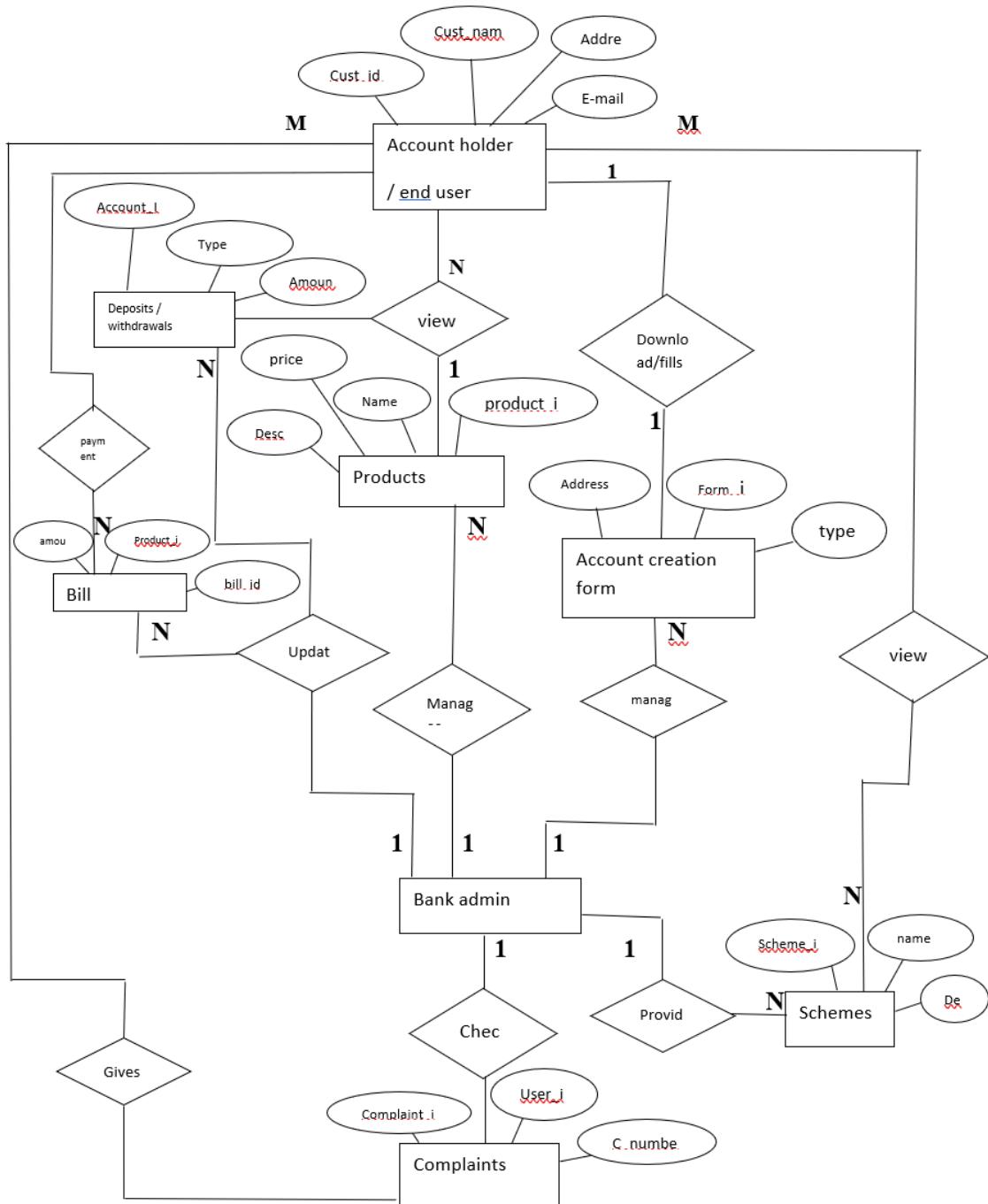
1.9 DATA FLOW DIAGRAM (ONE LEVEL)



1.10 CONTEXT MODEL



1.11 ENTITY RELATIONSHIP MODEL



1.12 TOOLS / PLATFORM, LANGUAGES TO BE USED

❖ HARDWARE REQUIREMENTS

- Hard disk : 50GB or above
- Processor : Dual core processor(e.g.,Intel core i5 &above , AMD ryzen3 &above)
- RAM : 8GB or more

❖ SOFTWARE REQUIREMENTS

- Operating Environment : windows, Linux
- Front End : HTML, CSS, JavaScript
- Backend : MYSQL
- Middleware : PHP
- Hosting : XAMPP server

1.13 ARE YOU DOING THIS PROJECT FOR ANY INDUSTRY/CLIENT? IF YES, ACCEPTANCE OF THE PROJECT.

- Yes , Co-Operative society

1.14 DURATION OF THE PROJECT

- 2 Months

1.15 MEMBER OF THE PROJECT

- K. N. KEERTI [U02BF22S0001]

1.16 LIMITATIONS OF THE PROJECT

- **Scalability issues :** Handling a large number of transactions and members may slow down performance.
- **Security risks :** Sensitive financial data is at risk without strong encryption and authentication measures.
- **No multi -branch support :** If a cooperative has multiple branches, integrating them might be challenging.

1.17 SCOPE OR FUTURE APPLICATIONS

- The system reduces manual work.
- Enable online access for members to view their details from anywhere.
- Automate daily market updates via WhatsApp, SMS, and email notifications.
- Gather feedback from society staff to refine and optimize the system based on actual usage.
- Allow members to submit requests remotely, such as loan or withdrawal requests, to save time taken during process lifecycle.
- Implement regular data backups for efficient issue recovery and data security.
- Online payment facility can be provided.