

**P.E.Society’s**

**MODERN COLLEGE OF**

**ARTS, SCIENCE & COMMERCE.**

**(Business Administration Campus),**

**SHIVAJI NAGAR, PUNE 411005.**

**Chit Fund Management System**

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**Project Guide**

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**SYNOPSIS**

**EXISTING SYSTEM**

In the existing system the case details are maintained manually. The application details group details, payment details, member details, agent details etc. Are maintained manually. The study of the existing system revealed that the system has several drawbacks.

**Limitations:**

* The existing system has no security measures.
* The system does not have any reports and thus did not help management in decision-making.
* The case information’s per day is unable to find.
* It’s time consuming.
* Chances for errors because the data are maintained manually.
* Existing system uses different system to maintain employee data.

**PROPOSED SYSTEM**

The proposed system is computerized one, in which time is greatly reduced. Since this is a computerized one there will be no chances of human error to encounter. In the proposed system there will be a lot of improvement in the quality, speed and efficiency. This system is all in one because in proposed system company can maintain employee’s data as well. Since it is user friendly any one can operate individually. Also it does not contain Paper usage as compared to Existing System.

**Design Specification (DFD & ERD)**

**Context Level(0 Level) DFD :**

Member, group, agent and bidding details

Company, branch and employee details

Admin

Employee

Reports

Pay to member and agent

Pay salary to employee

Reports

Payment log data

Generate salary slip

Payment log report

**Level 1 DFD :**

1.0

Company

Company Details

Company details

Confirmation

Confirmation

Admin

Add Company

Updated Company details

Updated Company details

2.0

Company

Edit/Delete Company

Admin

Company Details Edited/Deleted

Company Details Edited/Deleted

Branch details

Branch details

3.0

Branch

Conformation

Add Branch

Conformation

Admin

Updated Branch details

Admin

Updated Branch details

Branch

Edit/Delete Branch

4.0

Branch Details Edited/Deleted

Branch Details Edited/Deleted

Branch and report details

Branch and report details

5.0

Admin

Branch

Branch Reporting

Report details

Report details

Employee

3.0

.0

Member details

Member

6.0

3.0

.0

Member details

Conformation

Add Member

Conformation

Updated Member details

Updated Member details

7.0

3.0

.0

Member

Employee

3.0

.0

Edit/Delete Member

Member Details Edited/Deleted

Member Details Edited/Deleted

Payment Confirmation

3.0

.0

Employee

3.0

.0

Member Details

8.0

3.0

.0

Member

Member transaction

Payment Details

Payment Details

Member and log details

Log report

9.0

3.0

.0

Member

Employee

3.0

.0

Member transaction log

Log details

Log details

Member and payment details

Payment confirmation

10.0

3.0

.0

Member

Employee

3.0

.0

Member payment

Payment details

Payment details

Member and log details

Log report

11.0

3.0

.0

Employee

3.0

.0

Member

Member payment log

Log details

Log details

Member &loan details

Member loan details

12.0

3.0

.0

Member

Employee

3.0

.0

Loan activity

Loan amount

Loan amount

Member loan installment details

Member loan installment details

13.0

3.0

.0

Loan installment log

Member

Employee

3.0

.0

installment amount

installment amount

Member and bidding details

Bidding result

14.0

3.0

.0

Member

Employee

3.0

.0

Bidding process

Bidding details

Bidding details

Member and bidding log details

15.0

3.0

.0

Employee

3.0

.0

Bidding log

Member

Bidding log

Bidding log details

Bidding log details

Add Agent

16 .0

3.0

.0

Agent details

Agent details

Employee

3.0

.0

Confirmation

Confirmation

Agent

Updated Agent details

Updated Agent details

Agent

Employee

3.0

.0

17.0

3.0

.0

Agent Details Edited/Deleted

Agent Details Edited/Deleted

Edit/Delete Agent

Payment confirmation

18.0

3.0

.0

Agent commission

Agent details

Employee

3.0

.0

Agent

Payment details

Payment details

Agent details

Log report

19.0

3.0

.0

Agent commission log

Agent

Employee

3.0

.0

Log details

Log details

Admin

3.0

.0

Employee

3.0

.0

Employee details

Add Employee

20.0

3.0

.0

Employee details

Confirmation

Confirmation

Updated Employee details

Updated Employee details

Admin

3.0

.0

21.0

3.0

.0

Employee

3.0

.0

Edit/Delete Employee

Employee Details Edited/Deleted

Employee Details Edited/Deleted

Employee attendance

22.0

3.0

.0

Employee attendance

Employee

3.0

.0

Employee attendance details

Attendance report

Admin

3.0

.0

Employee attendance

Attendance details

Log Report

23.0

3.0

.0

Employee

3.0

.0

Admin

3.0

.0

Employee attendance Log

Log details

Log details

Employee and payment details

Payment confirmation

24.0

3.0

.0

Employee

3.0

.0

Employee Salary payment

Payment details

Admin

3.0

.0

Payment details

Employee and log details

Log report

25.0

3.0

.0

Employee

3.0

.0

Admin

3.0

.0

Salary payment log

Log details

Log details

**ER Diagram :**

**s**

**COMPANY**

**1**

**Has**

**M**

**1**

**M**

**Has**

**EMPLOYEE**

**BRANCH**

**1**

**Has**

MEMBERS

**M**

**M**

**Has**

**AGENT**

**M**

**MEMBERS**

MEMBERS

**FORM DESCRIPTION**

1. **Add Company Profile :-** In this form user can add company details. This form can access only by the admin**.**
2. **Edit/Delete Company Profile :-** In this form user can edit/delete company details. This form can access only by the admin.
3. **Add Branch :-** In this form user can add branch details of particular chit fund company. This form can access only by the admin.
4. **Edit/Delete Branch:-** In this form user can edit/delete branch details of particular chit fund company. This form can access only by the admin.
5. **Branch Report :-** In this form user can generate reports of branch on bases of daily/weekly/monthly/quarterly/annually. This form can access only by the admin.
6. **Add Member:-** In this form user can add member details. This form can access by admin and employee.
7. **Member Edit/Delete:-** In this form user can Edit/delete member details. This form can access by admin and employee.
8. **Member Transaction :-** In this form member transaction is processed & both the payment received and paid process is executed via this form . This form can only be accessed by admin and employee.
9. **Member Transaction Log** :- In this form log of transaction which done by member is maintain . This form can only be accessed by admin and employee.
10. **Member Payment :-** It’s a payment gateway by which company can pay to member. Admin and employee can access this form.
11. **Loan activity:-** If the member borrowed the loan from company then the loan detail will maintain in this form. This form can access by admin and employee.
12. **Loan installment:-** If the member borrowed the loan from company then the loan installment detail will maintain in this form. This form can access by admin and employee.
13. **Bidding Process :-** In this form all the bidding activity is processed. This form can access by admin and employee.
14. **Bidding Log :-** In this form log of auction’s done in particular period is maintain. This form can access by admin and employee.
15. **Add Employee** :- In this form user can add employee details. This form can access by only admin.
16. **Edit/Delete Employee :-** In this form user can edit/delete employee details. This form can access by only admin.
17. **Employee Attendance :-** Attendance of employee is maintain in this form. Only admin can access this form.
18. **Employee Attendance Log :-** In this form attendance log is maintain for the salary paid to Employee. The form is accessed by only admin.
19. **Employee Salary Payment** :- It’s payment gateway for salary payment of employee. This form can access by only admin.
20. **Employee Salary Log :-** In this form log of salary paid to employee is maintain. The access for this form is only for admin.
21. **Add Agent**:- In this form user can add agent details. This form can access by both admin and employee.
22. **Edit/Delete Agent:-** In this form user can edit/delete agent details. This form can access by both admin and employee.
23. **Commission :-** This form include calculation of commission and receipt generation for agent. Access for this for is for admin as well as employee.
24. **Agent Commission :-** This is payment gateway by which company can pay commission to agent. This form can access by both admin and employee.
25. **Agent Commission Log :-** In this form payment log is maintain for the amount paid to agent as commission. The form can access by both admin and employee.

**FUTURE ENHANCEMENT**

Every application has its own merits and demerits. The projects has covered all the requirements. Further requirement and improvement can easily done since the coding is mainly structured for this project. Changing the existing modules or adding new modules can be a improvements. In future the system not only access by admin and employee but also access by member’s and agent’s by that company will required less manpower and less time to do work. Security of system will also enhance by providing appropriate authentication to appropriate user.

**SOFTWARE REQUIREMENT**

**Front-end :-** Visual Studio 2019 [C#.NET]. **Version:-**16.8.

**Back-end :-** MS Access Database **Version:-**16.0.

**HARDWARE REQUIREMENT**

* **Processor :-** Dual Core Processor
* **Operating System :-** Windows 7 OS
* **RAM :-** 4 GB
* **Hard Disk :-** 40 GB