

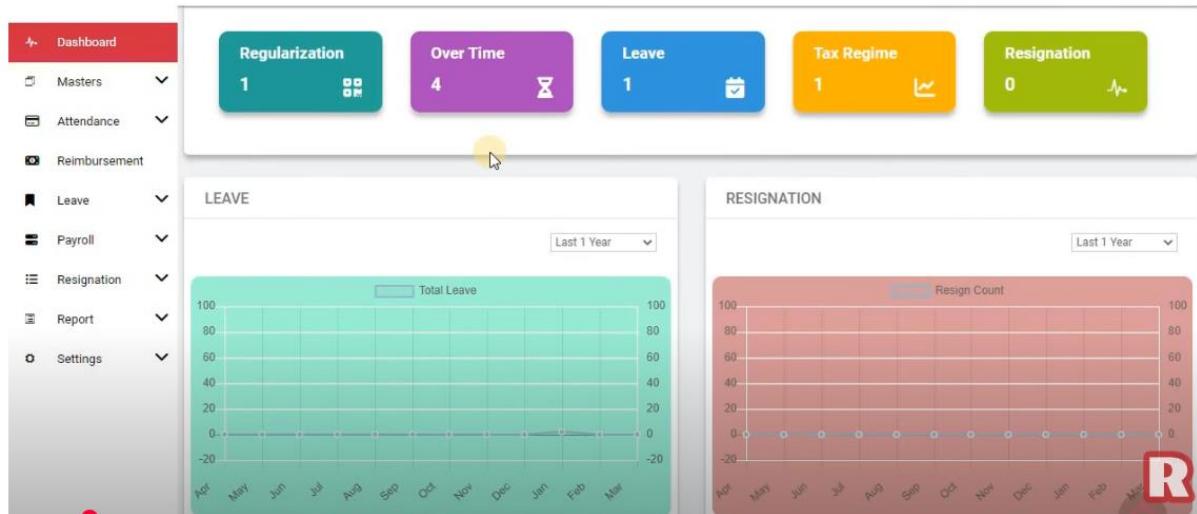
1. Login Replace Rednote as DRCTS (Take from config)
2. Replace Email as Email/Mobile (Uniquely identified)
3. User Registration: EmpID as primary key, Email and mobile -unique
4. Admin/user/Supervisor ->User Type Table Required



When click login button it checks the authentication(it searches in the specified table). Again checking attendance system, if already punched in , no need to display the popup other to display the popup for punchin)

(one popup will be displayed . do you want to punch in only first time) login it marks as attendance

2> Redirect to Dash board (use only left bar options)



Keep 1> punch in option under attendance

When click on punch in button , it display popup for making attendance.

Keep 2> Attendance System in option under attendance

Attendance System Entry Manage Shift Reports ▾

A- A A+ ⚡ D

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Attendance Sheet for:

| September 2025 | | | | | | |
|----------------|-----|--------------|-----|-----|-----|-----|
| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| 25 | 26 | 27 | 28 | 29 | 30 | 31 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 8 | 9 | 10 | 11 | 12 | 13 | 14 |
| 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| 22 | 23 | 24 | 25 | 26 | 27 | 28 |
| 29 | 30 | Maha Ashtami | 1 | 2 | 3 | 4 |

Attendance System Entry Manage Shift Reports ▾

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|--|--|--|--|--|--|--|--|
| | | | | | | | |
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Attendance Sheet for :

| October 2025 | | | | | | |
|--------------|--------|-----|------------|-----|-------------------------------|-----|
| Mon | Tue | Wed | Thu | Fri | Sat | Sun |
| 29 | 30 | 1 | Maha Navmi | 2 | Gandhi Jayanti/Vijaya Dashami | 3 |
| 6 | Leave | 7 | 8 | 9 | 10 | 11 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | Diwali | 21 | 22 | 23 | 24 | 25 |
| 27 | 28 | 29 | 30 | 31 | 1 | 2 |
| 3 | 4 | 5 | 6 | 7 | 8 | 9 |

| Column Name | Data Type | Description |
|--------------|--------------------|----------------------------------|
| EmployeeID | INT (PK, Identity) | Unique employee ID (Primary Key) |
| EmployeeCode | VARCHAR(20) | Custom code (e.g., EMP001) |
| FirstName | VARCHAR(50) | Employee's first name |
| LastName | VARCHAR(50) | Employee's last name |
| Gender | CHAR(1) | M/F/O |
| DOB | DATE | Date of birth |
| Email | VARCHAR(100) | Official email address |
| PhoneNumber | VARCHAR(15) | Contact number |
| AddressLine1 | VARCHAR(150) | Address |
| AddressLine2 | VARCHAR(150) | Optional secondary address |

| Column Name | Data Type | Description |
|--------------|-------------|--------------------------------|
| City | VARCHAR(50) | City |
| State | VARCHAR(50) | State |
| PostalCode | VARCHAR(10) | ZIP/Postal code |
| DepartmentID | INT (FK) | Linked to Department table |
| Designation | VARCHAR(50) | Job title |
| JoiningDate | DATE | Joining date |
| Status | VARCHAR(20) | Active / Inactive / Terminated |
| CreatedDate | DATETIME | Record creation timestamp |
| ModifiedDate | DATETIME | Last update timestamp |

Password

Login Type (Email/Mobile/Both)

CREATE TABLE Department (

 DepartmentID INT IDENTITY(1,1) PRIMARY KEY,

 DepartmentName VARCHAR(50) NOT NULL UNIQUE

);

ALTER TABLE Employee

ADD CONSTRAINT FK_Employee_Department

FOREIGN KEY (DepartmentID) REFERENCES Department(DepartmentID);

CREATE TABLE Employees (

 EmployeeID INT PRIMARY KEY IDENTITY(1,1),

 EmployeeName NVARCHAR(100) NOT NULL,

 Designation NVARCHAR(100),

 Department NVARCHAR(100),

 DateOfJoining DATE

);

Defines all possible salary heads shown on the slip.

CREATE TABLE SalaryComponents (

 ComponentID INT PRIMARY KEY IDENTITY(1,1),

```
ComponentName NVARCHAR(100) NOT NULL,      -- e.g. Basic, HRA, PF Employee
ComponentType NVARCHAR(20) NOT NULL,        -- 'Earning' or 'Deduction'
IsEmployer BIT DEFAULT 0,                  -- 1 if paid by employer
IsTaxable BIT DEFAULT 1                   -- 1 if taxable component
);
```

Maps salary component amounts to each employee.

```
CREATE TABLE EmployeeSalary (
    EmployeeID INT NOT NULL,
    ComponentID INT NOT NULL,
    Amount DECIMAL(10,2) NOT NULL,
    EffectiveFrom DATE NOT NULL,
    EffectiveTo DATE NULL,
    PRIMARY KEY (EmployeeID, ComponentID, EffectiveFrom),
    FOREIGN KEY (EmployeeID) REFERENCES Employees(EmployeeID),
    FOREIGN KEY (ComponentID) REFERENCES SalaryComponents(ComponentID)
);
```

Stores computed monthly salary details.

```
CREATE TABLE Payroll (
    PayrollID INT PRIMARY KEY IDENTITY(1,1),
    EmployeeID INT NOT NULL,
    PayrollMonth INT NOT NULL,
    PayrollYear INT NOT NULL,
    GrossEarnings DECIMAL(10,2),
    TotalDeductions DECIMAL(10,2),
    NetSalary DECIMAL(10,2),
    CreatedOn DATETIME DEFAULT GETDATE(),
    FOREIGN KEY (EmployeeID) REFERENCES Employees(EmployeeID)
);
```

Salary Components as per Slip

| Component (Earnings) | Type | Description |
|-------------------------------|-------------|------------------------------------|
| Basic | Earning | Fixed % of gross (e.g., 40-50%) |
| HRA | Earning | 40-50% of Basic (varies by city) |
| Conv. All (Conveyance) | Earning | Fixed allowance for transport |
| Trans. All (Transport) | Earning | Extra transport if applicable |
| CEA (Child Edu. Allow) | Earning | Optional |
| Medical Allowance | Earning | Medical allowance |
| Others | Earning | Balancing component |
| PF Employer | Earning | Employer PF contribution |
| ESI Employer | Earning | Employer ESI contribution |
| Medical, Telephone, etc. | Earning | Company-paid benefits |
| Component (Deductions) | Type | Description |
| PF Employee | Deduction | 12% of Basic |
| ESI Employee | Deduction | 0.75% of Gross if salary < ₹21,000 |
| Loan | Deduction | Loan EMI |
| Tax | Deduction | TDS based on IT slab |

3. Calculation Logic

Gross Salary

Gross = Basic + HRA + Conv.All + Trans.All + CEA + Medical + Others

Deductions

TotalDeductions = PF Employee + ESI Employee + Loan + Tax

Net Salary

NetSalary = Gross - TotalDeductions

PF/ESI

PF Employee = 12% of Basic

PF Employer = 12% of Basic

ESI Employee = 0.75% of Gross (if Gross < ₹21,000)

ESI Employer = 3.25% of Gross (if Gross < ₹21,000)

INSERT INTO Employees (EmployeeName, Designation, Department, DateOfJoining)

VALUES

```
('Amit Sharma', 'Software Engineer', 'IT', '2023-04-10'),  
('Priya Singh', 'HR Manager', 'HR', '2022-01-15');
```

INSERT INTO SalaryComponents (ComponentName, ComponentType, IsEmployer) VALUES

```
('Basic', 'Earning', 0),  
('HRA', 'Earning', 0),  
('Conv. All', 'Earning', 0),  
('Trans. All', 'Earning', 0),  
('CEA', 'Earning', 0),  
('Medical Allowance', 'Earning', 0),  
('Others', 'Earning', 0),  
('PF Employer', 'Earning', 1),  
('ESI Employer', 'Earning', 1),  
('PF Employee', 'Deduction', 0),  
('ESI Employee', 'Deduction', 0),  
('Loan', 'Deduction', 0),  
('Tax', 'Deduction', 0);
```

INSERT INTO EmployeeSalary (EmployeeID, ComponentID, Amount, EffectiveFrom)

VALUES

```
(1, 1, 25000, '2024-01-01'), -- Basic  
(1, 2, 10000, '2024-01-01'), -- HRA  
(1, 3, 2000, '2024-01-01'), -- Conveyance  
(1, 4, 1500, '2024-01-01'), -- Transport  
(1, 6, 1250, '2024-01-01'), -- Medical  
(1, 7, 3250, '2024-01-01'); -- Others
```

5. Example Calculation for Chandra

- Basic = ₹25,000
- HRA = ₹10,000
- Conveyance = ₹2,000

- Transport = ₹1,500
- Medical = ₹1,250
- Others = ₹3,250

Gross = 25,000 + 10,000 + 2,000 + 1,500 + 1,250 + 3,250 = ₹43,000

Deductions:

- PF Employee = 12% of Basic = 3,000
- ESI Employee = 0 (Gross > ₹21,000)

Total Deductions = ₹3,000

Net Salary = 43,000 - 3,000 = ₹40,000

| Statutory Component | Employee Rate | Employer Rate | Notes / Eligibility |
|---------------------------------|---------------------------|---------------------|---|
| ESI (Employee State Insurance) | 0.75% of wages | 3.25% of wages | Applicable only when gross wages ≤ ₹21,000/month (for normal employees) ClearTax+2Razorpay+2 |
| EPF / PF (Provident Fund) | 12% of (Basic + DA) | 12% of (Basic + DA) | Employer's share split between EPF & EPS (Employer's Pension Scheme) Paytm+2CAclubindia+2 |
| Professional Tax / State Levies | Varies by state | — | Based on slab in state (e.g. ₹200 / ₹300 etc) |
| Income Tax / TDS | Based on income slab | — | After exemptions, deductions, etc. |
| Other Deductions | Loan EMI, Insurance, etc. | — | As per company policies |

Salary Calculation Formulas (Example Umbrella)

Here's a generic sequence of steps / formulas to calculate the monthly salary:

Let:

- Basic = basic salary
- DA = dearness allowance (if applicable)
- HRA = house rent allowance
- Conveyance = conveyance or transport allowance
- Medical = medical allowance
- OtherAllowance = any other allowances

- Gross = total earning before deductions
- PF_Emp, PF_Emplr = employee & employer PF contributions
- ESI_Emp, ESI_Emplr = employee & employer ESI contributions
- PT = professional tax
- TDS = tax deducted at source
- OtherDeductions = any other deductions

1. Gross Earnings

Gross = Basic + DA + HRA + Conveyance + Medical + OtherAllowance

2. PF / EPF Contribution

PF_Emp = $12\% \times (\text{Basic} + \text{DA})$

PF_Emplr = $12\% \times (\text{Basic} + \text{DA})$

- Employer's 12% is split: a portion goes to EPF, and a portion to EPS (Pension Scheme) depending on rules. [CAclubindia+2Paytm+2](#)
 - Note: Some establishments or special cases may use 10% instead of 12% under certain exemptions. [EPF India+1](#)
-

3. ESI Contribution

If employee is eligible (wages \leq ₹21,000):

ESI_Emp = $0.75\% \times \text{Gross}$

ESI_Emplr = $3.25\% \times \text{Gross}$

Total ESI = ESI_Emp + ESI_Emplr [HROne HR Software+2Razorpay+2](#)

4. Other Deductions

TotalOtherDeductions = PT + Loan + Insurance + TDS + any other statutory deductions

5. Total Deductions (For Employee)

TotalDeductions = PF_Emp + ESI_Emp + OtherDeductions

6. Net Salary (Take-Home)

NetSalary = Gross - TotalDeductions

Example Calculation

Let's assume:

- Basic = ₹25,000
- DA = ₹2,500
- HRA = ₹12,000
- Conveyance = ₹1,600
- Medical = ₹1,200
- Other Allowance = ₹3,000

Then:

$$\text{Gross} = 25000 + 2500 + 12000 + 1600 + 1200 + 3000 = ₹45,300$$

PF:

$$\text{PF_Emp} = 12\% \times (25000 + 2500) = 12\% \times 27500 = ₹3,300$$

$$\text{PF_Emplr} = ₹3,300 \text{ (same formula)}$$

ESI (if eligible):

$$\text{ESI_Emp} = 0.75\% \times 45,300 = ₹339.75$$

$$\text{ESI_Emplr} = 3.25\% \times 45,300 = ₹1,472.25$$

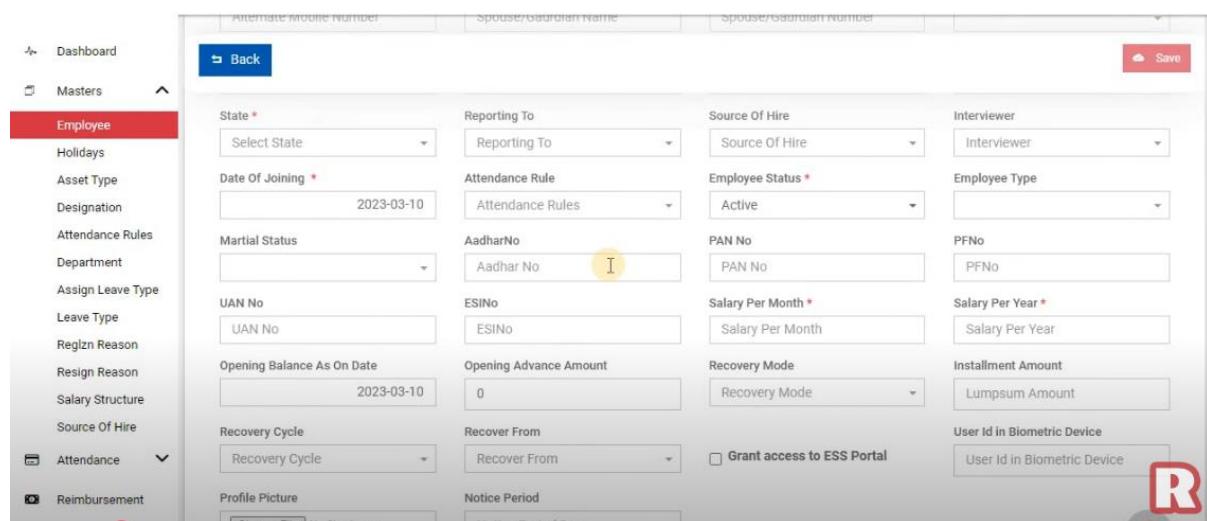
$$\text{Total ESI} = ₹1,812$$

$$\text{Assume other deductions (PT + TDS + Loan)} = ₹2,500$$

$$\text{TotalDeductions} = 3,300 + 339.75 + 2,500 = ₹6,139.75$$

$$\text{NetSalary} = 45,300 - 6,139.75 = ₹39,160.25$$

Payroll system



The screenshot shows a payroll system interface with a navigation bar on the left and a main form on the right.

Navigation Bar:

- Dashboard
- Masters
 - Employee** (highlighted)
 - Holidays
 - Asset Type
 - Designation
 - Attendance Rules
 - Department
 - Assign Leave Type
 - Leave Type
 - Regln Reason
 - Resign Reason
 - Salary Structure
 - Source Of Hire
- Attendance
- Reimbursement

Main Form (Employee Details):

| | | | |
|---|--|---|--------------------|
| State * | Reporting To | Source Of Hire | Interviewer |
| Select State | Reporting To | Source Of Hire | Interviewer |
| Date Of Joining * | Attendance Rule | Employee Status * | Employee Type |
| 2023-03-10 | Attendance Rules | Active | |
| Martial Status | AadharNo | PAN No | PFNo |
| | Aadhar No <input type="text" value="I"/> | PAN No | PFNo |
| UAN No | ESINo | Salary Per Month * | Salary Per Year * |
| UAN No | ESINo | Salary Per Month | Salary Per Year |
| Opening Balance As On Date | Opening Advance Amount | Recovery Mode | Installment Amount |
| 2023-03-10 | 0 | Recovery Mode | Lumpsum Amount |
| Recovery Cycle | Recover From | <input type="checkbox"/> Grant access to ESS Portal | |
| Recovery Cycle | Recover From | | |
| Profile Picture | Notice Period | User Id in Biometric Device | |
| <input type="button" value="Choose File"/> No file chosen | Notice Period Day | User Id in Biometric Device | |

Right Panel:

- Save button
- R logo

Employee Details Form

| | | | |
|--|------------------------|---|-----------------------------|
| State * | Reporting To | Source Of Hire | Interviewer |
| 2023-03-10 | Attendance Rules | Active | |
| Martial Status | AadharNo | PAN No | PFNo |
| | Aadhar No | PAN No | PFNo |
| UAN No | ESINO | Salary Per Month * | Salary Per Year * |
| UAN No | ESINO | Salary Per Month | Salary Per Year |
| Opening Balance As On Date | Opening Advance Amount | Recovery Mode | Installment Amount |
| 2023-03-10 | 0 | Recovery Mode | Lumpsum Amount |
| Recovery Cycle | Recover From | <input type="checkbox"/> Grant access to ESS Portal | User Id in Biometric Device |
| Recovery Cycle | Recover From | | User Id in Biometric Device |
| Profile Picture | Notice Period | | |
| <input type="button" value="Choose File"/> | No file chosen. | Notice Period Day | |
| Add Bank Details | | | |
| BeneficiaryName * | BankName * | AccNo * | Ifsc Code * |
| | BankName | AccNo | Ifsc Code |

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Reporting – Table needed, ReportingID, EmployeeId, ModifiedUser, Date, OrgUser, OrgDate

Employee Salary Breakup

| | | |
|--------|------------------------|------------------|
| SL.No. | Component Name | Amount Per Month |
| 1. | Basic + DA | 8,000.00 |
| 2. | HRA | 5,000.00 |
| 3. | Leave Travel Allowance | 2,000.00 |
| 4. | Medical Allowance | 5,000.00 |
| | Total | 20,000.00 |

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Payroll Settings

| | | |
|---------------------------------------|------------------------------------|----------------------|
| Pay Cycle * | To | |
| 1 | 31 | |
| Does your company have PF? * | <input type="button" value="Yes"/> | |
| Employee PF(% on Basic) * | Employer PF(% on Basic) * | EPS(% on Basic) * |
| 12 | 3.67 | 8.33 |
| PF Ceiling Required? * | <input type="button" value="No"/> | 0 |
| Does your company have ESI? * | <input type="button" value="Yes"/> | |
| Employee ESI(%) * | Employer ESI(%) * | ESI Ceiling Amount * |
| 0.75 | 3.25 | 21000 |
| Do you deduct Professional Tax? * | <input type="button" value="Yes"/> | |
| Do you deduct Income Tax? * | <input type="button" value="Yes"/> | |
| IT Deduct Month based on Declared ? * | IT Deduct Month based on Proof ? * | Select Regime* |
| February | January | Old Regime |
| AttendanceUsing* | Manual | |

R

Dasiruaru

IT Deduct Month based on Declared ? * February **IT Deduct Month based on Proof ? *** January **Select Regime*** Old Regime **AttendanceUsing*** Manual

PT Deduct Period * Manual **PTMaxLimit *** 2500

Payroll Template *

Update R

Masters **Attendance** **Reimbursement** **Leave** **Payroll** **Resignation** **Report** **Settings**

- General Setting
- Declaration Setting
- Salary Component
- SMTP Settings

Dasiruaru

SALARY COMPONENT

Add Components

| Component | Variable | Formula | IsTaxable | IsRecurring |
|------------------------|----------|-----------|-----------|-------------|
| Basic + DA | CTC | * 0.4 | Yes | Yes |
| HRA | Manual | * Formula | Yes | Yes |
| Leave Travel Allowance | Manual | * Formula | Yes | Yes |
| Medical Allowance | Manual | * Formula | Yes | Yes |

Masters **Attendance** **Reimbursement** **Leave** **Payroll** **Resignation** **Report** **Settings**

- General Setting
- Declaration Setting

Dasiruaru

Employee (Salary Per Month)

| Employee (Salary Per Month) | Basic + DA | HRA | Leave Travel Allowance | Medical Allowance | Sum Of Components |
|--------------------------------|------------|---------|------------------------|-------------------|-------------------|
| Bala (20,000.00) | 8000.00 | 5000.00 | 2000.00 | 5000.00 | 20000 |
| Meena (25,000.00) | 10000.00 | 5000.00 | 9000.00 | 1000.00 | 25000 |
| Support (20,000.00) | 8000.00 | 3000.00 | 5000.00 | 4000.00 | 20000 |
| Arun (15,000.00) | 6000.00 | 3000.00 | 6000.00 | 0.00 | 15000 |
| Saravana Kumar (35,000.00) | 14000.00 | 9000.00 | 3000.00 | 9000.00 | 35000 |
| Prasanna Deva (32,000.00) | 12800.00 | 9000.00 | 1200.00 | 9000.00 | 32000 |
| Sarabeswaran (28,000.00) | 11200.00 | 6000.00 | 7000.00 | 3800.00 | 28000 |
| Ananda Padmanabhan (20,000.00) | 8000.00 | 6000.00 | 3000.00 | 3000.00 | 20000 |
| Gopinath (22,000.00) | 8800.00 | 1200.00 | 9000.00 | 3000.00 | 22000 |

Masters **Attendance** **Reimbursement** **Leave**

Attendance Log

Employee Name Attn. Date In Time Out Time Total Worked Time

| Employee Name | Attn. Date | In Time | Out Time | Total Worked Time |
|----------------|------------|----------|----------|-------------------|
| Krishnamoorthy | 22-05-2022 | 00:00:00 | 00:00:00 | 00:00:00 |
| Krishnamoorthy | 23-05-2022 | 10:22:00 | 19:01:00 | 08:39:00 |
| Krishnamoorthy | 24-05-2022 | 11:33:00 | 18:47:00 | 07:14:00 |
| Krishnamoorthy | 25-05-2022 | 10:00:00 | 18:54:00 | 08:54:00 |
| Krishnamoorthy | 26-05-2022 | 10:08:00 | 18:55:00 | 08:47:00 |
| Krishnamoorthy | 27-05-2022 | 09:58:00 | 19:08:00 | 09:10:00 |
| Krishnamoorthy | 28-05-2022 | 10:10:00 | 19:03:00 | 08:53:00 |
| Krishnamoorthy | 29-05-2022 | 00:00:00 | 00:00:00 | 00:00:00 |

Reimbursement

Claim No

| | |
|----------------------|-------|
| Bala T | 1000 |
| Support 1 Fragua 1 | 12000 |
| Meena mary | 1000 |
| Support Fragua | 1000 |
| Arun kumar | 1000 |
| Saravana Kumar V | 1000 |
| Prasanna v | 1000 |
| Kumaran V | 1000 |
| Prasanna Deva V | 1000 |
| Sarabeswaran K P | 1000 |
| Ananda Padmanabhan L | 1000 |

Reimbursement

Claim No

| | |
|----------------------|-------|
| Bala T | 1000 |
| Support 1 Fragua 1 | 12000 |
| Meena mary | 1000 |
| Support Fragua | 1000 |
| Arun kumar | 1000 |
| Saravana Kumar V | 1000 |
| Prasanna v | 1000 |
| Kumaran V | 1000 |
| Prasanna Deva V | 1000 |
| Sarabeswaran K P | 1000 |
| Ananda Padmanabhan L | 1000 |