

REVWORKFORCE – SOFTWARE REQUIREMENT SPECIFICATION

1.1 Purpose:

The purpose of this document is to describe the functional and non-functional requirements of the RevWorkForce HRM Console Application. This system manages employees, leave processes, performance reviews, and organizational data.

1.2 Scope

RevWorkForce is a **Java Console Based HR Management System** that enables:

- Employee Self Services
- Manager Approval Workflows
- Admin System Management
- Notification Tracking
- Performance Management
- Audit Logging

1.3 Definitions

Term Meaning

HRM- Human Resource Management

DAO- Data Access Object

POJO- Plain Old Java Object

JDBC- Java Database Connectivity

1.4 System Overview

The system uses:

- Java Console UI
- Service Layer Business Logic
- DAO Database Layer
- MySQL Database
- Java Util Logging + Audit Log DB

System follows **Layered Architecture**:

Console UI → Controller → Service → DAO → Database

2.0 User Classes:

Employee

- Apply Leave
- View Balance
- Submit Performance

- Create Goals
- View Notifications

Manager

- Approve / Reject Leaves
- Give Performance Feedback
- View Team Reports

Admin

- Add Employees
- Configure Leave Types
- Assign Leave Quotas
- Manage Departments
- View Audit Logs

2.1 Operating Environment

- Java 8+
- MySQL 8+
- Eclipse IDE
- Windows / Linux

3. Functional Requirements

3.1 Authentication Module

- Login
- Register
- Forgot Password (Security Question Based)

3.2 Employee Module

- View Profile
- Edit Profile
- View Manager Details
- Apply Leave
- Cancel Leave
- View Holidays
- Submit Performance Review
- Create Goals
- View Feedback

3.3 Manager Module

- View Team Members
- View Team Leaves
- Approve / Reject Leave
- Provide Performance Feedback

3.4 Admin Module

- Add Employee
- Activate / Deactivate Employee

- Assign Manager
- Configure Leave Types
- Assign Leave Quota
- Add Holidays
- View Audit Logs

ARCHITECTURE DIAGRAM

