

# Project શ્રેષ્ઠ : KPI Monitoring System for Government Department Employees

## 1. Project Overview

### 1.1 Introduction

The KPI Monitoring System is a digital platform developed for the Government of Chhattisgarh, specifically tailored for the Raipur District Administration. Launched on July 25, 2025, this system aims to enhance performance evaluation, reward top performers, and support improvement among government department employees. By streamlining the tracking of key performance indicators (KPIs) across roles such as Tehsildars, Revenue Inspectors (RI), Patwaris, etc the system promotes efficiency, accountability, and collaboration within the Departments.

### 1.2 Objectives

- Establish a structured framework to measure and monitor employee performance based on predefined KPI templates.
- Recognize and reward high-performing employees while providing targeted support to those needing improvement.
- Foster cooperation and co-learning among officers through transparent performance data.
- Integrate real-time data to ensure accurate and timely performance assessments.

## 2. System Architecture

### 2.1 Modules

The KPI Monitoring System includes two primary modules:

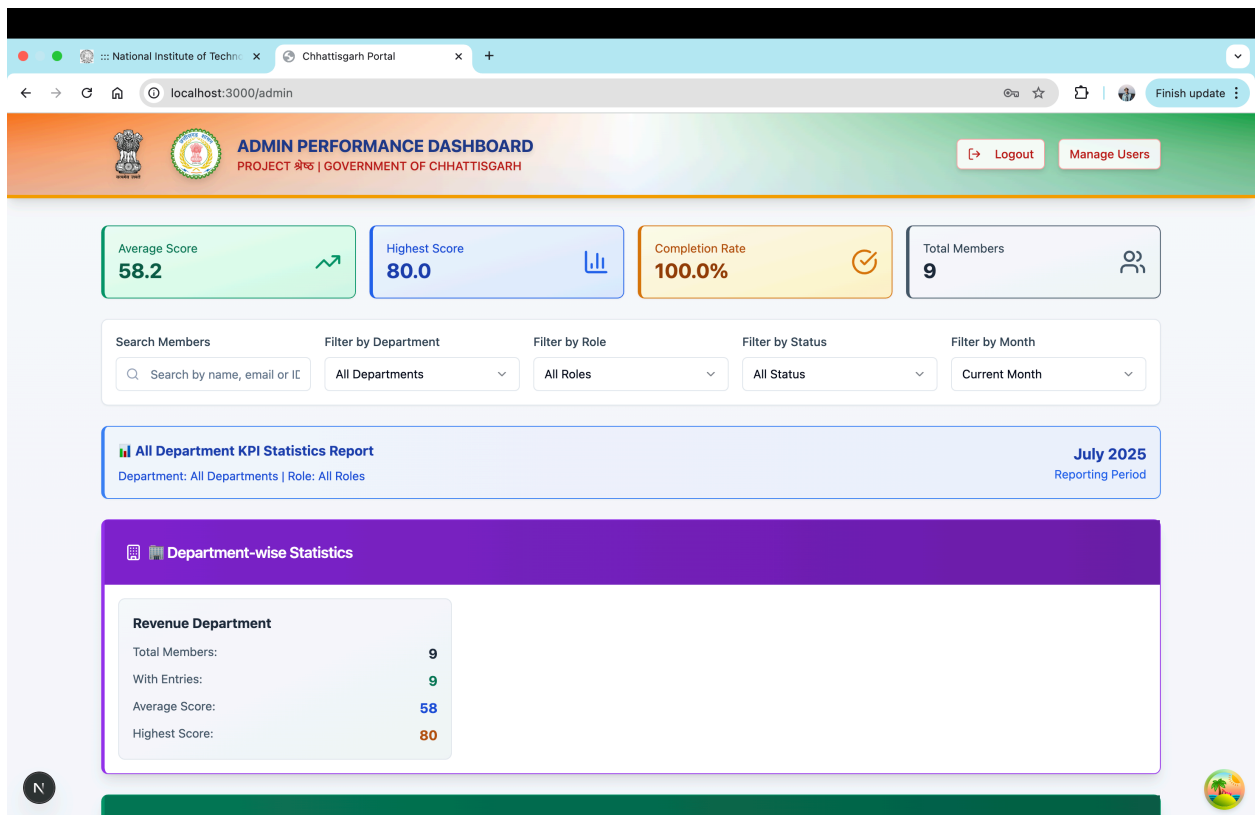
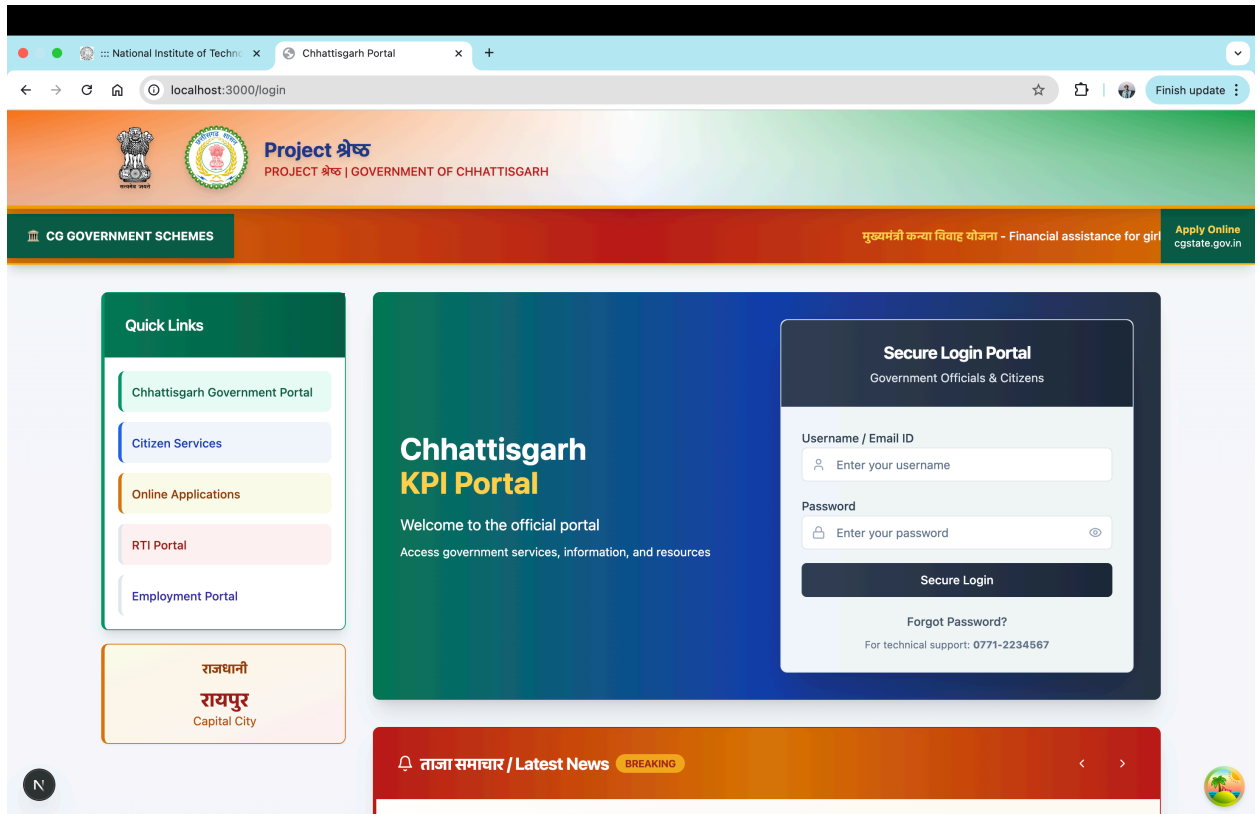
- **Admin Dashboard:** Allows administrators to create employees, review submissions, and generate reports for performance analysis.
- **Nodal Dashboard:** Enables employees to view assigned KPIs, submit performance data, and track their progress against targets.

## 2.2 Technology Stack

- **Backend:** Node.js API integrated with local MongoDB Server within the server.
- **Frontend:** Intuitive UI designed for both admin and nodal dashboards, hosted on Hostinger KVM 8.
- **Notifications:** Real-time updates via Meta WhatsApp, SMS and Resend Email.
- **Data Integration:** Connects with external APIs (e.g., Bhuiyan revenue court API) or internal tools to auto-populate KPI data.

## 3. Key Features

- **Performance Tracking:** Employees can upload evidence and reports, with progress monitored against set targets.
- **Role-Based Access Control:** Ensures data segregation—employees access only their KPIs, while admins have full oversight.
- **Report Generation:** Provides downloadable performance reports for individual employees and departments.
- **Employee Management:** Supports the addition and management of employee profiles across 337 officers.
- **Dashboard Analytics:** Offers a snapshot of performance metrics, completion rates, and departmental statistics.
- **Automated Data Fetching:** Integrates with external APIs to automatically fill KPIs such as land partition cases and demarcation percentages.



Chhattisgarh Portal

localhost:3000/admin

### All Department Performance Rankings (9)

Ranking	Member Details	Department	Role	Score	Status	Actions
#1	Nand Kumar Chaube nandkumar@sdm.com	Revenue Department	SDM	80.0	Completed	
#2	Pushpendra Kumar Sharma sdm2@sdm.com	Revenue Department	SDM	80.0	Completed	
#3	Ravi Singh ravisingh@sdm.com	Revenue Department	SDM	78.0	Completed	
#4	Ashutosh Devangan sdm4@sdm.com	Revenue Department	SDM	72.0	Completed	
#5	Rakesh Devangan tehsildar5@tehsildar.com	Revenue Department	TEHSILDAR	56.0	Completed	
#6	Prakash Soni tehsildar4@tehsildar.com	Revenue Department	TEHSILDAR	51.0	Completed	
#7	Ram Murti Devan tehsildar1@tehsildar.com	Revenue Department	TEHSILDAR	46.0	Completed	
#8	Jyoti Singh tehsildar3@tehsildar.com	Revenue Department	TEHSILDAR	31.0	Completed	
#9	Praveen Parmar tehsildar2@tehsildar.com	Revenue Department	TEHSILDAR	30.0	Completed	

Chhattisgarh Portal

localhost:3000/admin/users

### USER MANAGEMENT DASHBOARD

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Back to Admin Logout

## User Management

Manage government officials and their access to the KPI Monitoring System

Create New User

Total Users 14 Active Users 0 Roles 7

Search & Filters

Search by name or email... Filter by

Clear Filters

### Create New User

Full Name

Enter full name

Email

Enter email address

Password

Enter password

Department

Select department

Role

Select role

Cancel Create User

### User Directory

Name	Email	Department	Role	Created	Actions
Kisan Sharma	kisansharma@nodalofficer.com	Revenue Department	NodalOfficer Sdm	20/07/2025	
Pavan Kumar	pavankumar@nodalofficer.com	Revenue Department	NodalOfficer Tehsildar	21/07/2025	
Rana Singh	ranasingh@nodal.com	Revenue Department	NodalOfficer Patwar	23/07/2025	

## 4. User Interface

The system features a modern, user-friendly interface with dedicated dashboards:

- **Employee Dashboard:** Displays assigned KPIs, submission options, and progress tracking tools.
- **Admin Dashboard:** Provides controls for employee assignment, and performance oversight. These dashboards ensure clear navigation and accessibility, supporting the needs of administrators and employees alike.

## 5. Benefits and Impact

- **Efficiency:** Automates performance monitoring, reducing manual effort and ensuring timely evaluations.
- **Accountability:** Transparent KPI tracking enhances responsibility among employees.
- **Scalability:** Supports 42 RIs, 261 Patwaris, and other roles, with potential expansion to additional departments.
- **Collaboration:** Encourages co-learning by sharing best practices among officers based on performance data.

## 6. Conclusion

The KPI Monitoring System is a vital tool for modernizing government operations in Raipur. By enabling precise task assignment, performance tracking, and data-driven insights, it ensures that employees meet their targets effectively. With its intuitive dashboards and robust features, the system supports administrators and department employees in delivering high-quality public service, making it an essential asset for the Revenue Department and beyond.