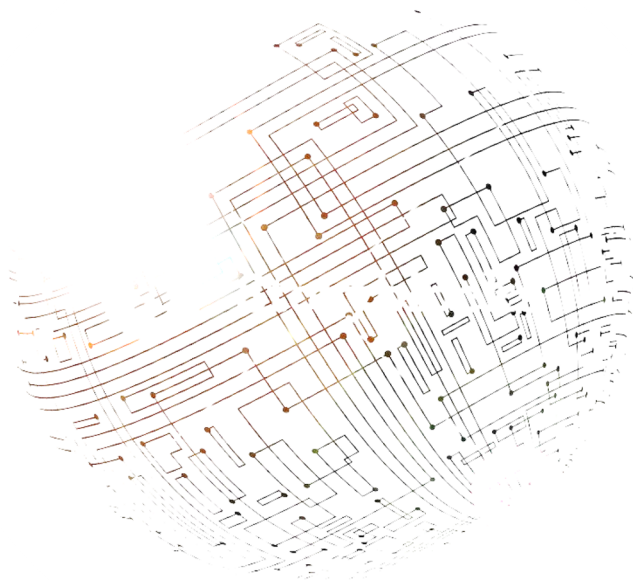




Verticross India Pvt. Ltd.

Work Force Management System

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INTRODUCTION

The Work Force Management System (WFMS) is a state-of-the-art, web-based application designed to revolutionize field operations in the meter reading and maintenance sector. As organizations seek to optimize workflows and elevate service delivery, WFMS offers a comprehensive solution to the numerous challenges faced by project managers and field engineers.

At its core, WFMS streamlines the entire process of task assignment, tracking, and management for field engineers. Traditional manual methods often result in delays, miscommunication, and inefficiencies. WFMS replaces these outdated practices with a seamless, automated workflow, empowering project managers to assign tasks efficiently and monitor their progress in real time.

A key advantage of WFMS is its ability to facilitate precise task assignment based on various criteria, such as engineers' expertise, geographic location, and current workload. This targeted approach not only enhances operational efficiency but also ensures that tasks are allocated to the most qualified individuals. The system's intuitive interface empowers project managers to quickly identify available resources and assign tasks with ease, eliminating the guesswork inherent in manual scheduling.

Furthermore, WFMS offers advanced tracking capabilities that enable project managers to monitor task progress in real time. By gaining insights into the status of assignments, managers can proactively identify potential bottlenecks and intervene as needed. This level of visibility fosters accountability among field engineers and promotes a culture of transparency, where performance metrics and outcomes can be readily assessed.

WFMS offers robust reporting capabilities that provide project managers with detailed insights into task completion rates, performance metrics, and other key indicators. These reports not only evaluate productivity but also inform strategic planning and resource allocation. By analyzing historical data, organizations can identify trends and make informed decisions that enhance overall operational efficiency.

Beyond task assignment and tracking, WFMS fosters improved communication and collaboration among team members. The system's messaging features enable project managers and field engineers to exchange information swiftly, ensuring alignment and informed decision-making. This enhanced collaboration is crucial in field operations, where timely communication significantly impacts project outcomes.

The introduction of mobile accessibility further expands WFMS's capabilities, empowering field engineers to manage tasks effectively, even while on the move. With mobile access, engineers can view assignments, update their progress, and submit reports directly from the field. This flexibility boosts productivity, empowers field staff, and leads to higher job satisfaction and improved performance.



The Work Force Management System (WFMS) is revolutionizing field operations by leveraging advanced technology to streamline task assignment, enhance tracking, and foster collaboration. This robust framework optimizes workforce management, empowering organizations to achieve greater efficiency and accountability.

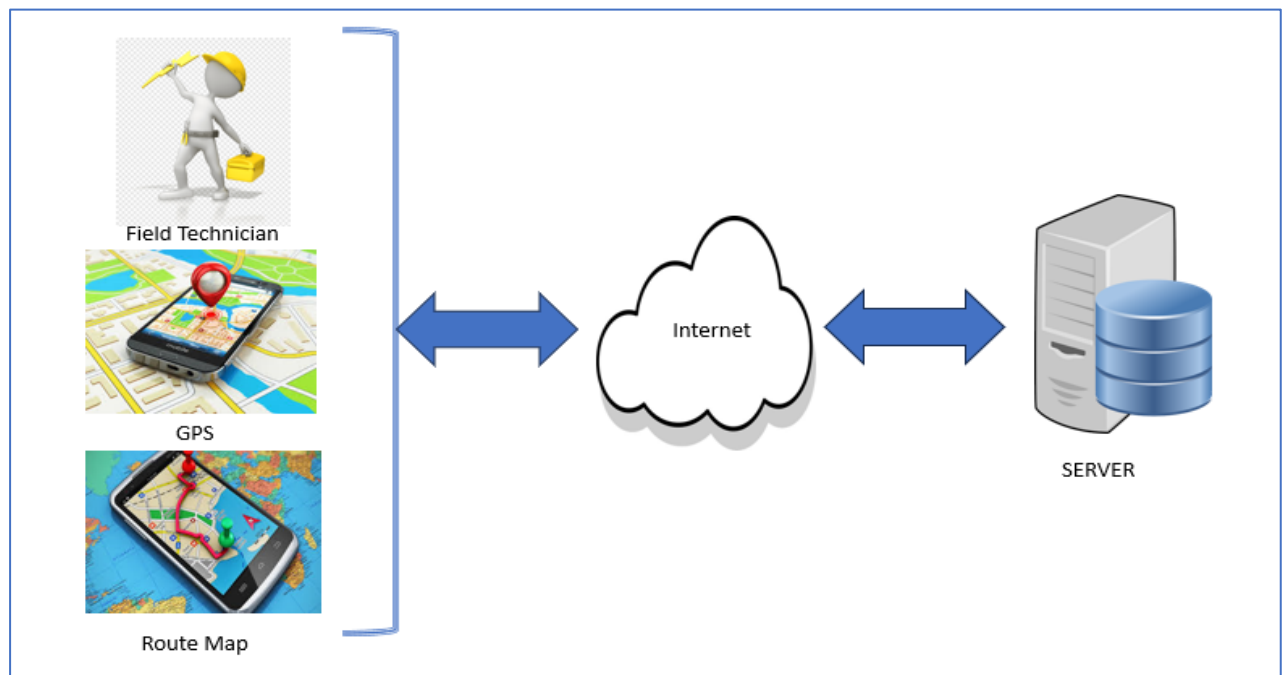
By efficiently assigning tasks to field engineers, monitoring their progress, and generating insightful reports, WFMS enables organizations to improve service delivery and operational excellence.

By leveraging the Work Force Management System, project managers can:

- **Assign Tasks Effectively:** Easily assign tasks to field engineers based on their expertise, location, and workload.
- **Track Task Progress:** Monitor the progress of assigned tasks in real-time, ensuring timely completion.
- **Generate Comprehensive Reports:** Access detailed reports on task completion rates, performance metrics, and other relevant data.
- **Improve Efficiency:** Optimize workforce utilization and resource allocation through effective task management.

This user manual will guide you through the features and functionalities of vSmart Work Force Management System, enabling you to maximize its potential and streamline your operations.

ARCHITECTURE



The architecture diagram illustrates the key components and interactions involved in the Work Force Management System (WFMS). The field technician, equipped with a GPS-enabled



device, interacts with the system through a mobile application. This application communicates with a server via the internet, enabling real-time data exchange. The server stores and processes task information, generates reports, and facilitates communication between project managers and field engineers. This architecture ensures efficient task assignment, tracking, and reporting, empowering organizations to optimize their field operations and improve service delivery.

FEATURES AND BENEFITS

- 📌 **Efficient Task Assignment:** Project managers can easily assign tasks to field engineers based on their skills, location, and workload. The application's intuitive interface allows for quick and accurate task allocation.
- 📌 **Real-time Task Tracking:** Monitor the progress of assigned tasks in real-time through the application's robust tracking system. This enables project managers to identify potential bottlenecks and take corrective action promptly.
- 📌 **Comprehensive Reporting:** Generate detailed reports on task completion rates, performance metrics, and other key performance indicators. These reports provide valuable insights to optimize resource allocation and improve overall operational efficiency.
- 📌 **Enhanced Collaboration:** Facilitate seamless communication and collaboration between project managers and field engineers. The application's messaging and notification features ensure timely updates and information sharing.
- 📌 **Mobile Accessibility:** Empower field engineers with mobile access to the application, allowing them to view task assignments, update progress, and submit reports on the go.

FUNCTIONALITIES

TASK ASSIGNMENT

Project managers can effectively assign tasks to resources within the substation hierarchy, ensuring optimal resource utilization and efficient task completion. By leveraging the hierarchical structure, project managers can accurately identify the most suitable resources for specific tasks, considering their expertise, availability, and workload. This streamlined approach not only enhances operational efficiency but also improves overall project management and execution.



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Work Force Management

LOGOUT

TaskReportDailyWiseStatus

DISCOM

Zone

Circle

Division

SubDivision

Mandal

Section

SubStation

Assigned To

Task Assigned Date

Submit

DGVCL

VALSAD

VALSAD

NAVSARI R DIV

AMALSAD

NAVSARI_CHHAPER

NAVSARI_CHHAPER_SECTION

66 KV CHHAPER S/S

A.Shiva Kumar

05/25/2021

Activate Windows

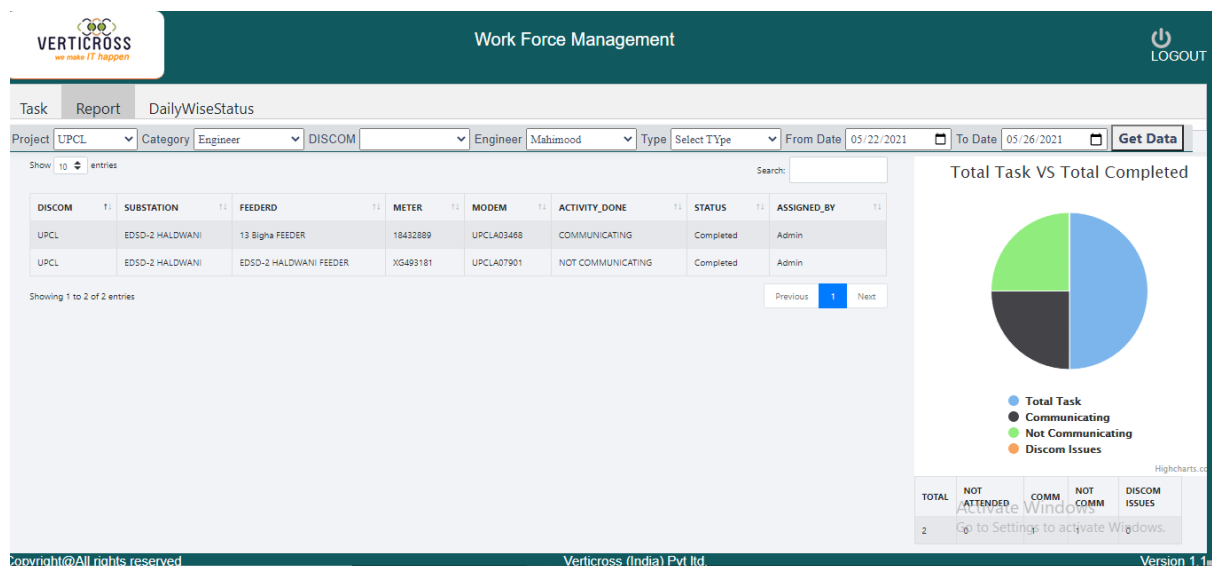
Go to Settings to activate Windows.

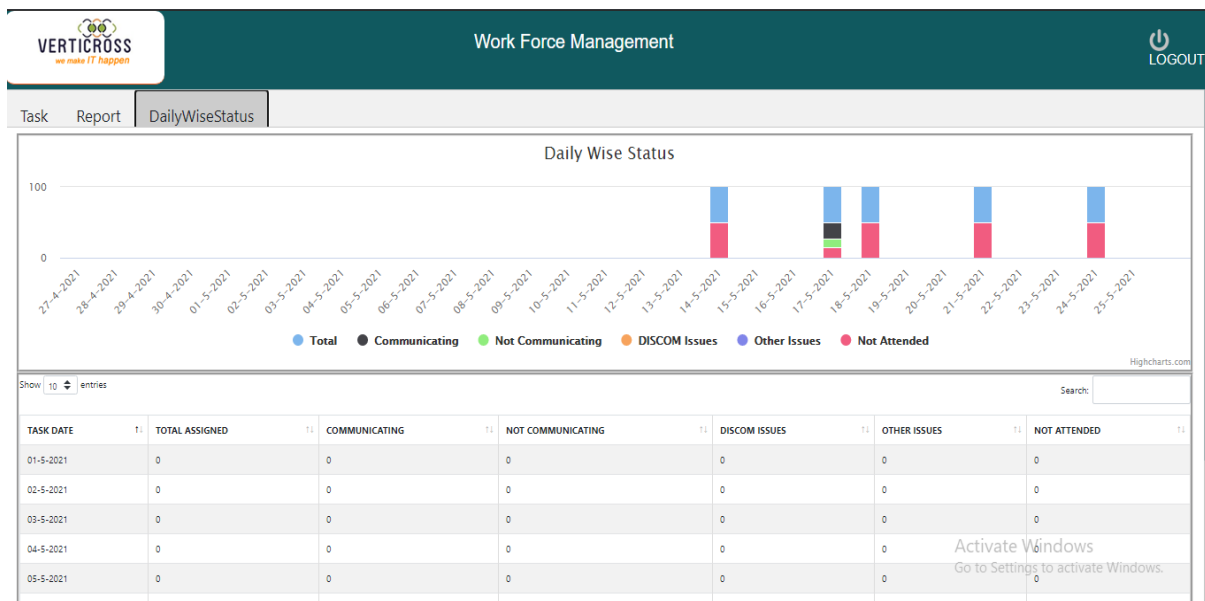
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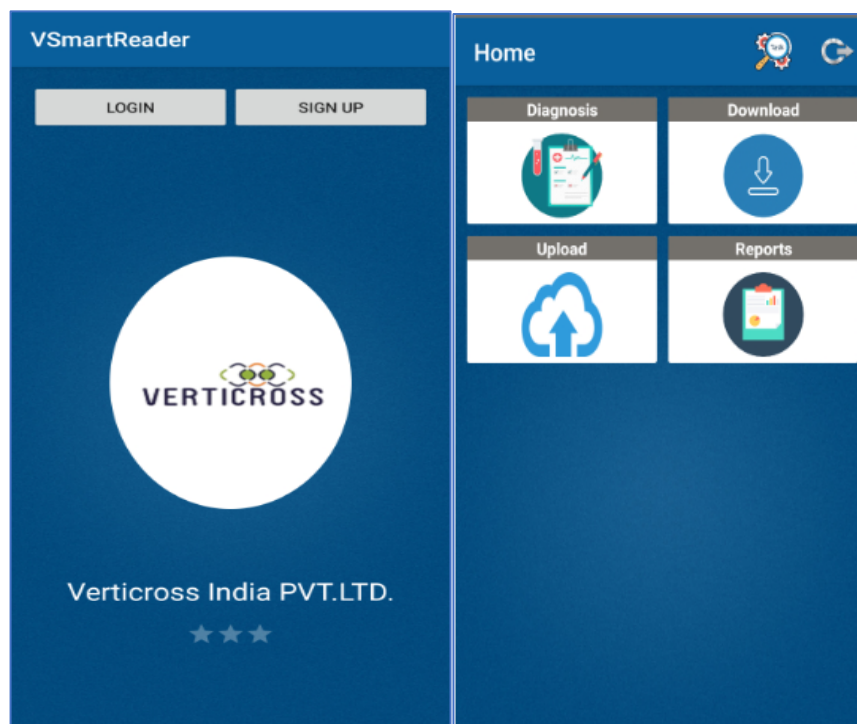
Reports offer valuable insights into daily project activities, providing a comprehensive overview of each engineer's performance and task status. By analyzing these reports, project managers can identify trends, potential bottlenecks, and areas for improvement. This data-driven approach enables informed decision-making, optimizing resource allocation and ensuring timely project completion.





MOBILE APPLICATION TASKS

Field engineers can efficiently view and manage their assigned tasks through the convenience of the mobile application. This empowers them to access critical information, update task statuses, and submit reports directly from the field. By eliminating the need for constant communication and paperwork, the mobile application streamlines workflows and enhances productivity, ensuring timely and accurate task completion.



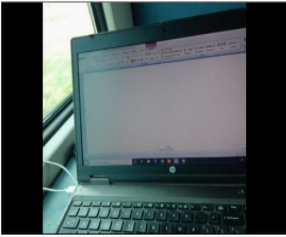


Task Management				Completed Tasks			
Pending Tasks				T_ID	SubStation	Feeder	Completed_On
T_ID	SubStation	Feeder	Assigned_On				
213	KASHIPUR RURAL	Pratappur FEEDER	25-5-2021	207	KASHIPUR RURAL	KASHI ENTERPRISES FEEDER	25-05-2021
214	KASHIPUR RURAL	Himalayan	25-5-2021	208	KASHIPUR RURAL	FLEXITUFF INTERNATIONAL	25-05-2021
215	KASHIPUR RURAL	ND NAGAR FEEDER	25-5-2021	209	KASHIPUR RURAL	13 No. Feeder	25-05-2021
216	KASHIPUR RURAL	MAHUAKHEDA FEEDER-2	25-5-2021	210	KASHIPUR RURAL	CANADIAN INTERFACE FEEDER	25-05-2021
217	KASHIPUR RURAL	MAHUAKHEDA FEEDER-1	25-5-2021	211	KASHIPUR RURAL	MULTIWAL FEEDER	25-05-2021
218	KASHIPUR RURAL	IGL FEEDER	25-5-2021	212	KASHIPUR RURAL	SRF FEEDER -1	25-05-2021
219	KASHIPUR RURAL	IGL FEEDER -1	25-5-2021				
220	KASHIPUR RURAL	KVS FEEDER	25-5-2021				
221	KASHIPUR RURAL	SRF FEEDER	25-5-2021				

Pending task screen contain substation, feeder name (colour indication Green indicates communicating, red indicates not communicating and yellow indicates discom issues) and task assigned date once onclick on pending task row screen will redirect to wfm screen where Hierarchy based on substation will be auto assigned with non-editable.

Below details should get captured through mobile application after rectification:

- Initial Observation & Activity Done at the location
- Final Observation
- Date of Rectification
- Lat / Lons
- Field Meter Serial Number
- Filed Modem Serial Number
- Master Data Status
- Communication Status from Server.
- Upload image to Server.

WFM		WFM		WFM	
Discom	UPCL	Field Meter Number	18432873	DISCOM Issue	MeterPortNo..
Zone	HALDWANI ZONE	Field Modem Number	UPCLA01635	Master Data Status	Yes
Circle	KASHIPUR_CIRCL	CT Ration	20	Other Status	
Division	KASHIPUR	PT Ration	10		
SubDivision	KASHIPUR RURAL	MF	1.0		
Mandal	KASHIPUR RURAL	Class Voltage	20.1		
Section	KASHIPUR RURAL	Latitude/Longitude	0.0/0.0		
SubStation	KASHIPUR RURAL	Initial Observation	SELECT OBSERVATION		
Feeder	Pratappur FEEDER	Activity Done	SELECT ACTIVITY		
Meter Serial Number	18432873	Final Status	COMMUNIC..		
Modem Serial Number	UPCLA01635	DISCOM Issue	MeterPortNo..	Upload	
I and C Status	autofill	Master Data Status	Yes		



By leveraging the **Work Force Management System**, organizations can significantly improve the efficiency and effectiveness of their field operations. This robust application provides a comprehensive solution for managing and optimizing the entire field workforce, from task assignment to completion and reporting. Additionally, the system enables **tracking of latitude and longitude** coordinates, allowing for precise location management of field tasks. It also supports **image uploads** for on-site documentation, enhancing real-time reporting and accountability.