aJeevi®

Digital Technology Provider

GPS	GPRS
Handheld RFID	Bin Level Sensor
Energy Monitor[A.C / D.C]	Environment Sensor
Variable Messaging System	Water Meter
RFID Tags/ UHF Reader	Street Light [A.C. / D.C]

Technology
- ASP.NET, C#, XSLT, XML, ASP, VB, VC++, C, C++, VBA (MS Office), Java, JSP, Crystal Reports

Modeling Tools
- Rational Rose, Visio 2000

Databases
- Oracle, MS SQL Server

Architecture & Frameworks
- J2EE, Microsoft .NET, COM/DCOM, Win DNA, Web-Services, SOA

Application Servers
- MTS, Windows 2000 with .NET Framework, MQ Series, MSMQ, MS BizTalk

Operating Systems
- Linux, Unix, Windows NT, Windows 2000

Design Tools
- Adobe Photoshop, Adobe Illustrator, Adobe Page Maker, Macromedia Flash, Fireworks, Dreamweaver, Director, 3D Studio Max, Corel Draw

Quality Tool
- Six Sigma, TQM, CCPM, Lean

Methodologies
- Light Weight : Agile, DSDM, SCRUM, XP, FDD Heavy Weight : V-Model, I-2, Prototyping

AZURE Platform

Platform Services

Security and Management
- Portal
- Active Directory
- Multi-factor Authentication
- Automation
- Key Vault
- Store/Marketplace
- VM Image Gallery and VM Depot

Compute
- Cloud Services
- Service Fabric ★
- Batch
- Remote App

Web and mobile
- Web Apps ★
- API Apps ★
- API Management
- Mobile Apps ★
- Logic Apps ★
- Notification Hubs

Developer services
- Visual Studio
- Azure SDK
- Team Project
- Application Insights

Hybrid Operations
- Azure AD Connect Health
- AD Privileged Identity Management
- Backup
- Operational Insights
- Import/Export
- Site Recovery
- StorSimple

Integration
- Storage Queues
- Biztalk Services
- Hybrid Connections
- Service Bus

Media and CDN
- Media Services
- Content Delivery Network (CDN)

Analytics and IoT
- HDInsight
- Machine Learning
- Data Factory
- Event Hubs
- Stream Analytics
- Mobile Engagement

Data
- SQL Database
- SQL Data Warehouse
- Redis Cache
- Search
- DocumentDB
- Tables

Infrastructure Services

Compute
- Virtual Machine
- Containers

Storage
- BLOB Storage
- Azure Files
- Premium Storage ★

Networking
- Virtual Network
- Load Balancer
- DNS
- Express Route
- Traffic Manager
- VPN Gateway
- Application Gateway

Legend
★ = In preview at Azure Stack GA

1.Transport	arts	SAMA PRINTERS	भारत इलेक्ट्रॉनिक्स BHARAT ELECTRONICS QUALITY. TECHNOLOGY. INNOVATION.	BELAGAVI SMART CITY	PATH
2.Water	Greater NOIDA	भारत इलेक्ट्रॉनिक्स BHARAT ELECTRONICS QUALITY. TECHNOLOGY. INNOVATION.	BELAGAVI SMART CITY		
3.Waste	METRRO ...dedicated to environment	भारत इलेक्ट्रॉनिक्स BHARAT ELECTRONICS QUALITY. TECHNOLOGY. INNOVATION.	BELAGAVI SMART CITY	Tech Mahindra	JABALPUR SMART CITY LIMITED
4.Parking	SAMA PRINTERS				
5.Education	TECHINFY	MEDICAL COUNCIL OF INDIA 1933			
6.Energy	SAMA PRINTERS	ORCHID INSPIRATION OF LIFE			
7.Environment	SAMA PRINTERS				
8.Governance	IRCTC	Cloud Certitude	NEW HOLLAND AGRICULTURE	nagarro	WIPRO Applying Thought

ajeevi®

Digital Technology Provider

1.Smart Transport

Geospatial enabled efficient Transportation system: Geospatial enabled services provide periodic traffic forecast, journey planning mobile applications based on real time data etc.

- Bicycle Sharing System
- Smart Traffic lights
- Single Fare card
- Integrated transit hubs
- Smart Parking

Walking and bicycling

Public and private transportation

Consumer

Transit

- Online services
- GIS enabled Traveler information web and mobile apps

- Dynamic car pooling
- Electric Vehicles Charging Stations & Mgmt Platforms

Freight transport transportation

Surveillance systems at weight stations ICT Freight services

GPS based tracking and route information of public transport

- Smart Toll
- Road User Charging

- Video Analytics based Surveillance

- Incident Management
- Bus rapid transit (BRT, BRTS)

Bus Automation

Real time Information inside and about Buses IP based Camera and GPS

Route Optimization , AVL Real time tracking of the bus, MEMO

Mobile Application for Drivers to report incident and breakdown

Bus Stop Automation

Real Time information at Bus stop, ETA to Bus stop

Variable Sign Boards, Kiosks using led or kiosk Stands

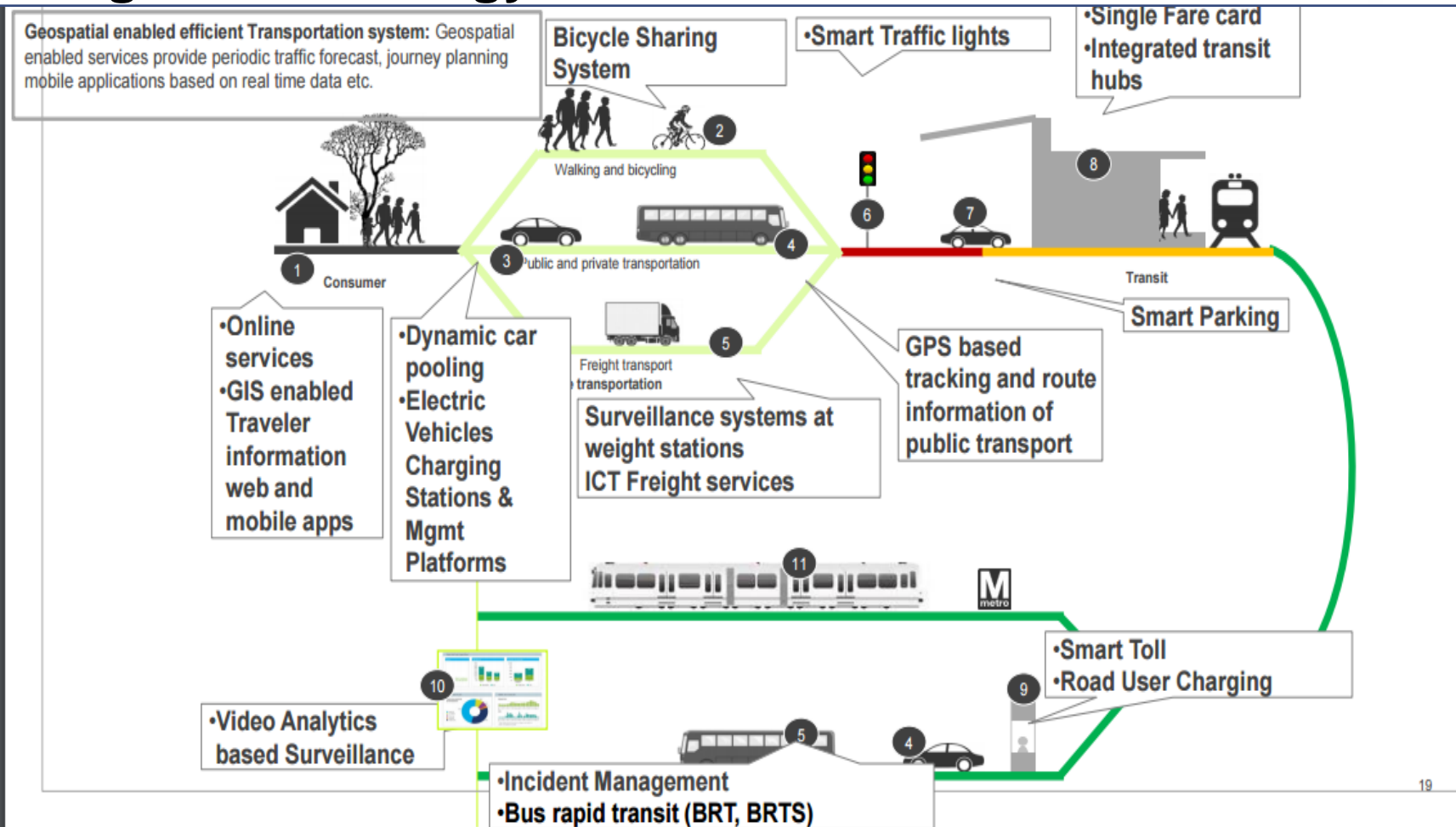Mobile application telling bus stop and time to coming of Bus for Citizen

Bus Depot Automation

Incident, Accident, Breakdown, Court and challan

Driver Registration, Educational Check, Reference Check, Account Details

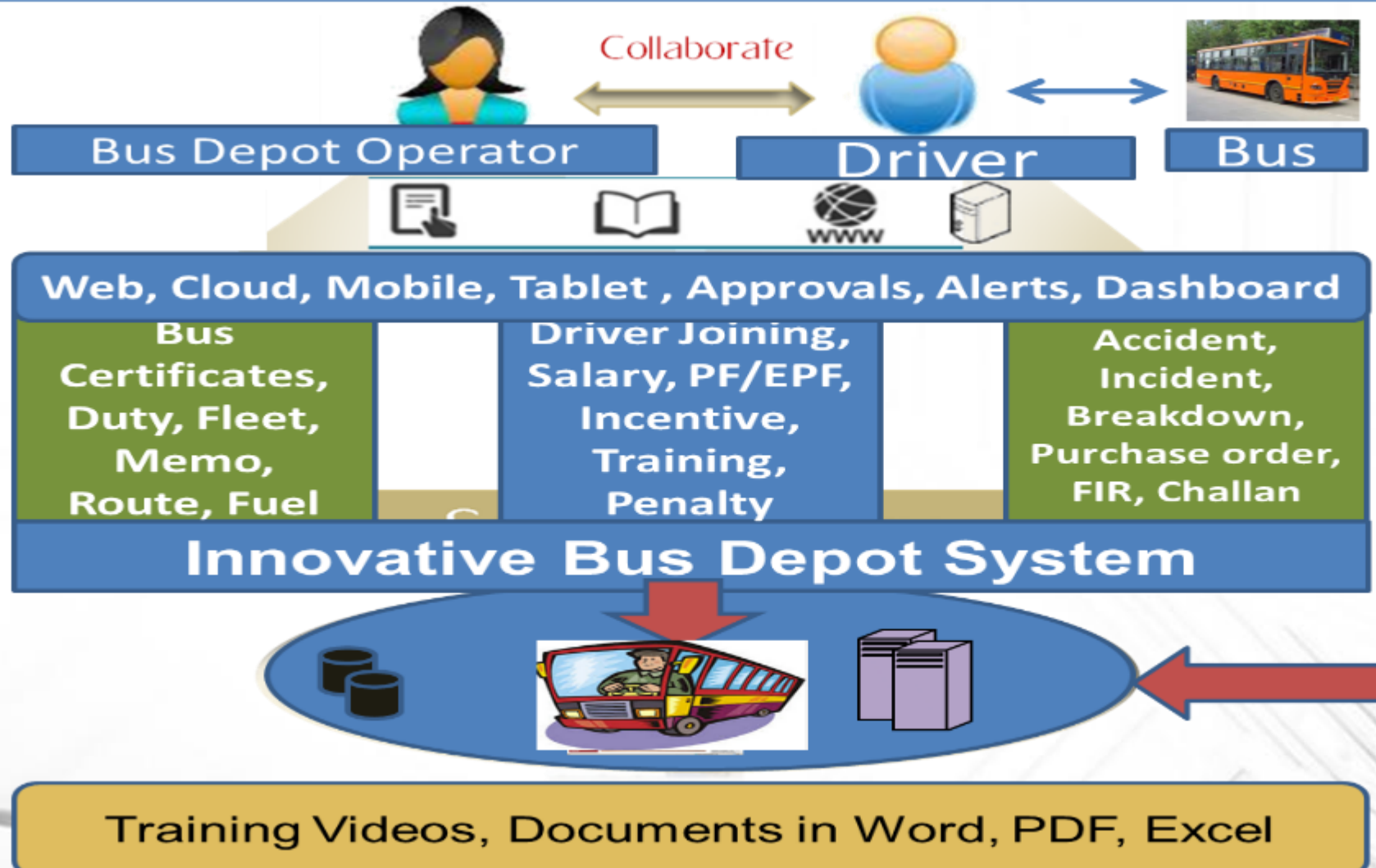Driver Behavior Analysis Duty Assignment, Driver Penalty

Memo generation, Perform Fleet, Fleet Generation

Purchase Order, GRN, Part Ident, Inventory, Part

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Digital Technology Provider

1.Smart Transport

Architecture

24 X 7, 7 days Support

Bio Metrics Punch Card, GPRS, CCTV

Collaborate

Bus Depot Operator

Driver

Bus

Web, Cloud, Mobile, Tablet , Approvals, Alerts, Dashboard

Bus Certificates, Duty, Fleet, Memo, Route, Fuel

Driver Joining, Salary, PF/EPF, Incentive, Training, Penalty

Accident, Incident, Breakdown, Purchase order, FIR, Challan

Innovative Bus Depot System

Training Videos, Documents in Word, PDF, Excel

Spare Parts, Route Wise Bus Details, Monthly / Daily Comparison,, Trip Disqualify

Email, Schedule / Actual/Miss Km, Miss Trip, Duty Roaster, Route Earning, Spare Duty, Bu History, KMKG ,Operation Performance, Daily Bus Lost KM, Comparison Statement, Revenue Loss

SECURE & SAFE PUBLIC TRANSPORT SYSTEM

Driver License, Medical Certificate, Pollution, CNG, Bus Fitness

RELIABLE ERP TO MANAGE LARGE & SECURE FLEETS

OPERATIONS	MAINTENANCE	WAREHOUSE	EMPLOYEE
• Performa FLEET	• Checklist	• Part Request	• Employee Pre-Registration
• FLEET CREATION	• JobCard Creation	• Purchase Order	• Employee Registration
• Memo Generation	• Purchase Order	• Stock In	• Payslip
• Vehicle Roaster	• Fuel Average	• Part Assignation	• Leave Holiday Policy
• Duty Roaster	• Court & Challan	• Part Reorder	• Incentive Bonus
• Reports...	• Reports...	• Reports...	• Reports...

Digital Technology Provider

1.Smart Transport

Implementations

Seems Puri Bus Depot [160] Buses

Raj Ghat Bus Depot [115] Buses

Sama Printer [450] Buses

Belagavi [150] Buses

1st to implement modernised public transport management system in Delhi.

20%
55%
35%

Primary Features of Product:
Fuel Management, Employee Management, Warehouse Management, Operation Management, Maintenance Management

Artifacts and Reports generated:
Memo, Per forma Fleet, Fleet, Checklist, Fuel Filling, Purchase Order

Integrated :
Boom Barrier, CCTV Camera, RFID UHFID Card, GPS/GPR, Tablet

REAL-TIME
Find all the vehicles currently on-duty, off-duty, fit or unfit. Get there locations. stopages, certificates and other details of vehicles at any time.

ANALYTICS
Reports of damages, waitings, revenue, fuel, penalties, employees, payments and much more are displayed in daily, weekly, monthly and annual basis for analy...

PREVENT POLLUTION

25%   50%   75%   50%   75%

REVENUE SAVED

SIMPLE AND EFFECTIVE

Th... system has been running for over 2 years with Antony Road Transport Solutions P. Ltd. in a DIMTS depot... Rai..., New Delhi, India and they have been more than satisfied with the management. They have recor... ...itial growth in their revenue

HOURS 18,000 of modernising public transport

BUSES 217 registered under this system

JOURNEYS 6,35,100 monitored

35% FUEL
Know when it's the right time for re-fill and the correct amount to speed up fuel
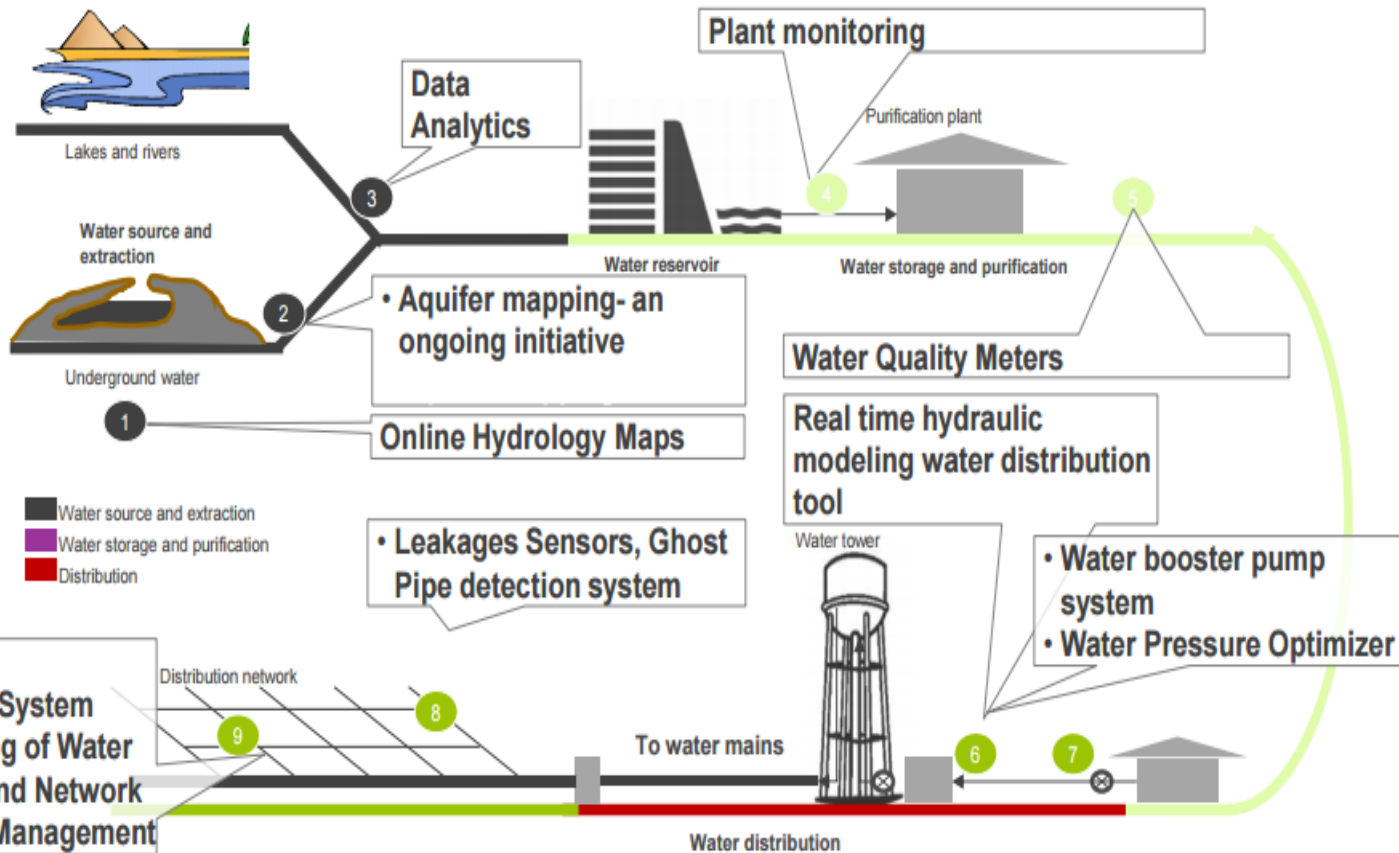
57% CLUTCHES
Know when to repair the clutches so as to avoid buying new clutches regular

83% TRYES
Get notified about when to retread the tyre on time and save on buying a new one

2.Smart Water

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Mobile App enabling to Start and Stop the Motors

Mobile app for Over head Reservoirs or underground reservoirs

Auto Shifting of Water Motors

Solenoid based Water Sensors

Real time info of Tank Filling

Chlorine Mixing

DG Set Monitoring Check

Data Analysis

Domestic Bill Generation

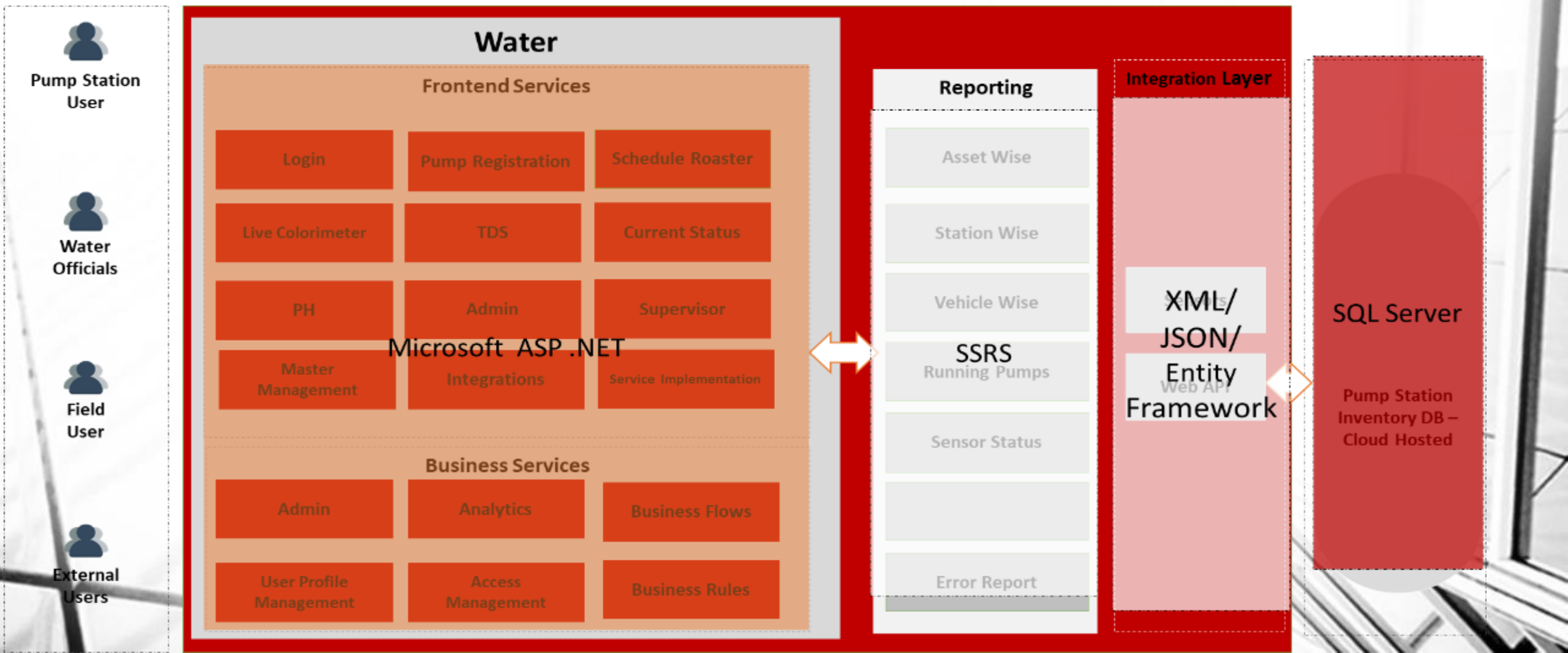Mobile Device

Water Filling Levels

Flow Meter + Chlorine + TDS + PH + Domestic Water Meter
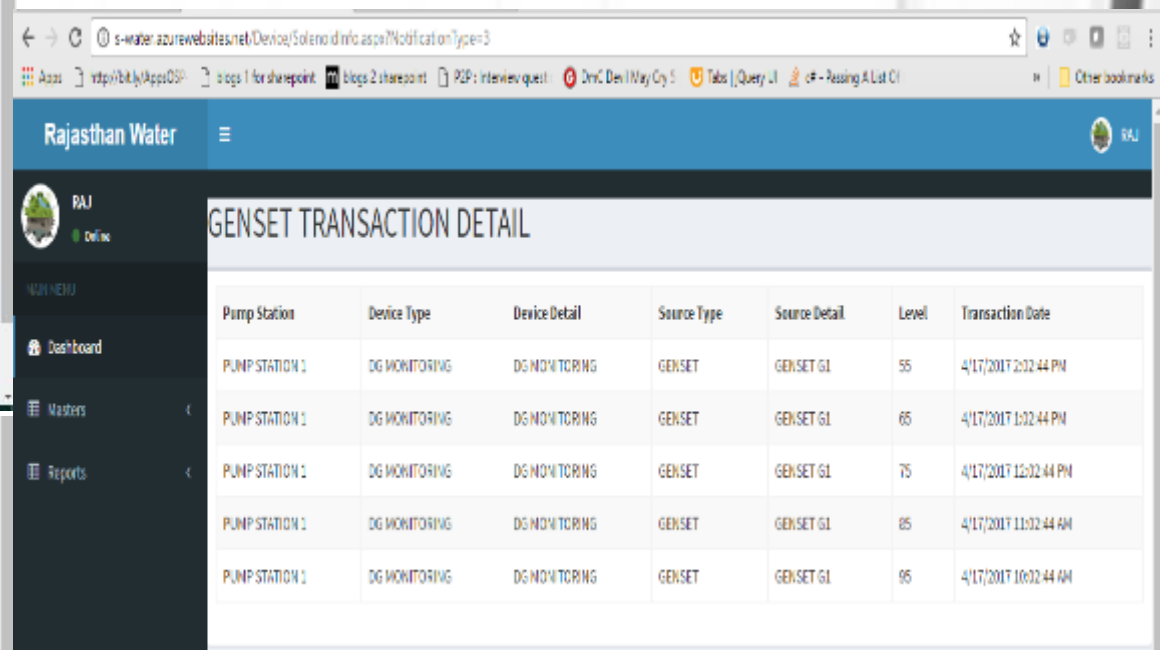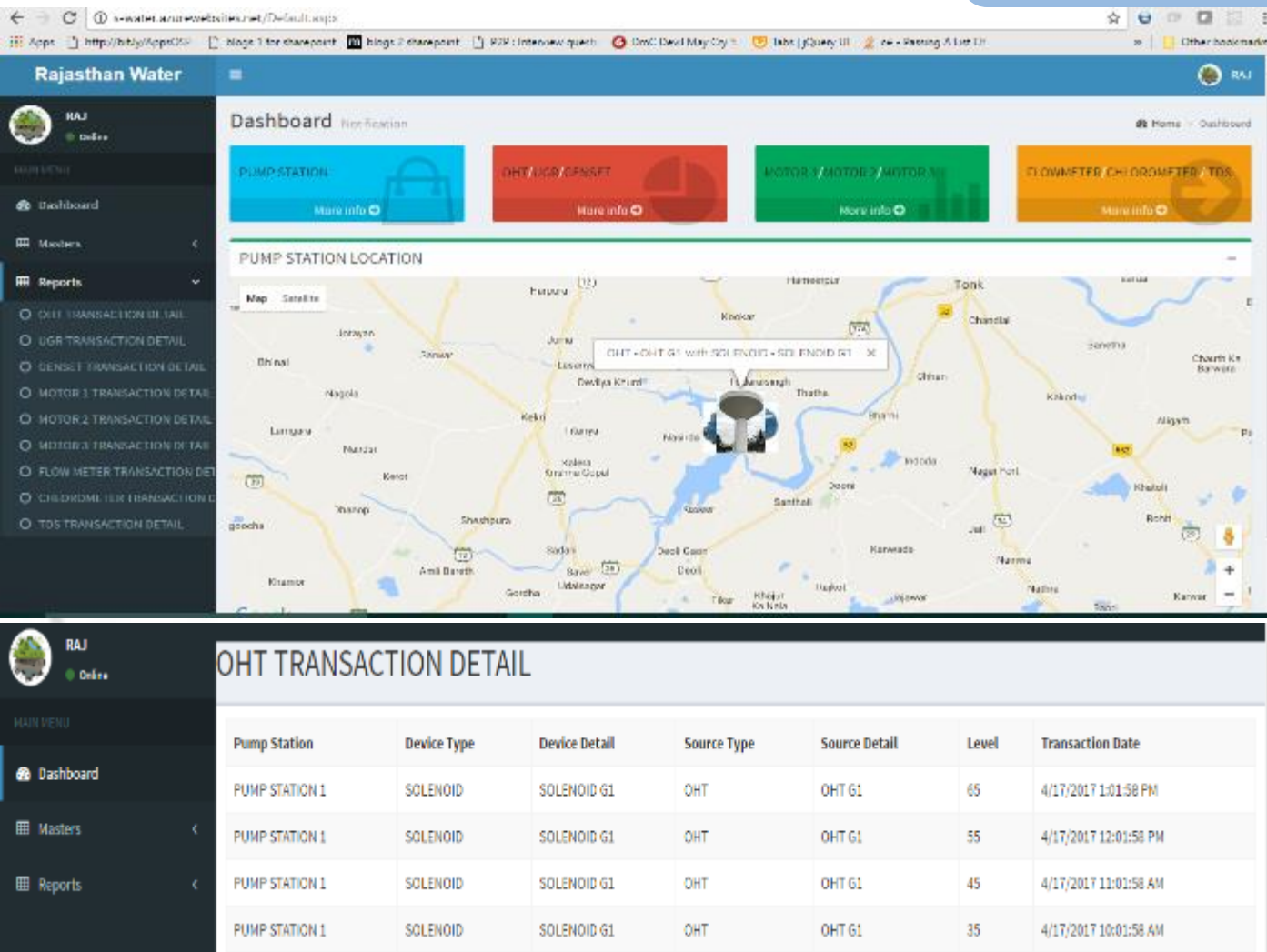
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2.Smart Water

Implementations

ajeevi
Smart Innogators

contact@ajeevi.com
www.ajeevi.com
+91-8375963034

Greater Noida Industrial Development Authority
★ GREATER NOIDA CITY - PLANNED WITH AN OBSESSION ★

100 million gallons

of water is saved daily in each tank. Tanks cover all of the city area of Noida and Greater Noida

total **456 water reservoirs**

SAVED

ONLY water supply management system for OVERHEAD AND UNDERGROUND TANKS IN WHOLE OF NOIDA REGION

2 YEARS OF TOP-NOTCH TECHNOLOGY **WITH** trust, experience, and innovation **unchallenged leadership**
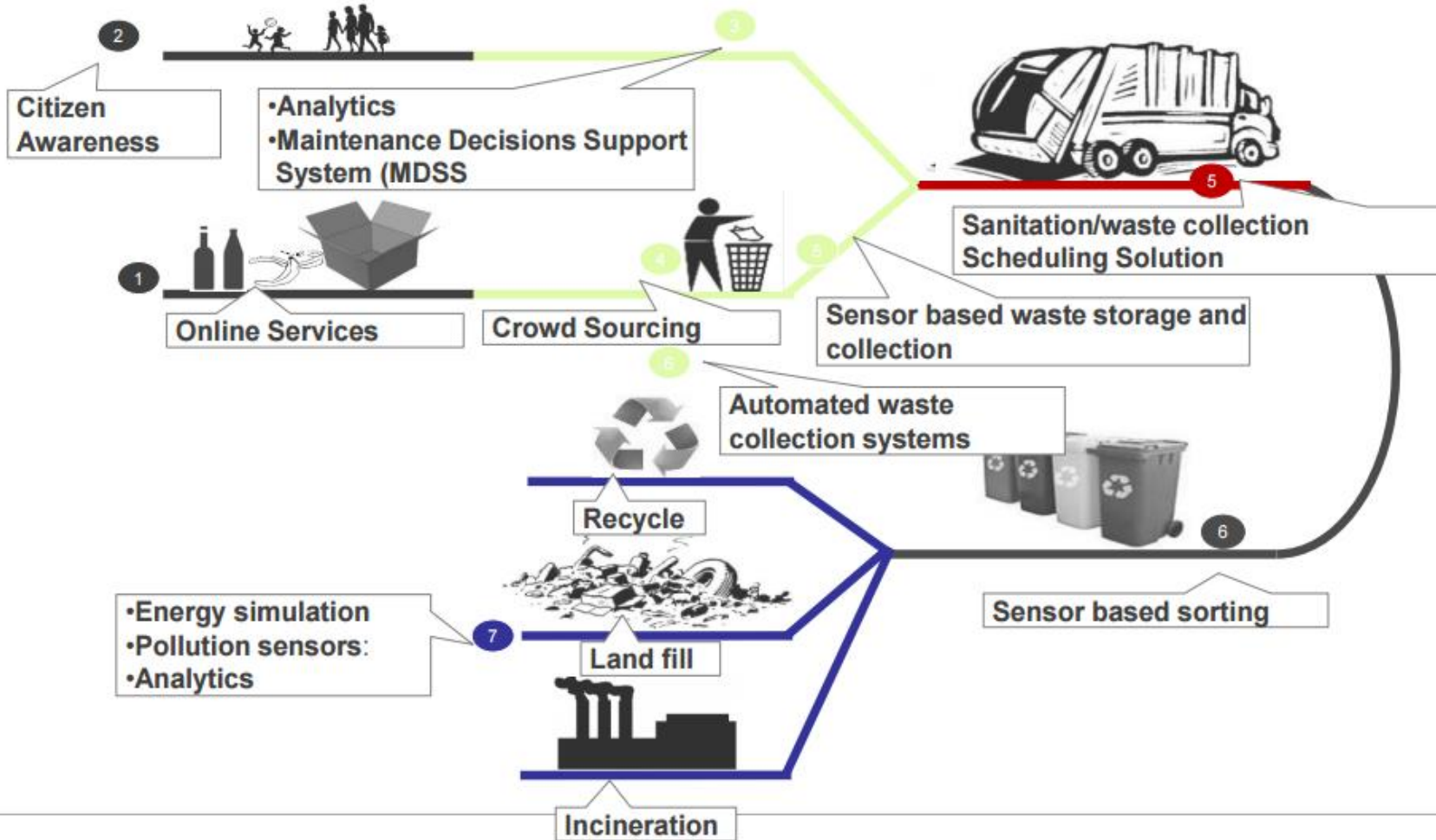
Timely availability of clean water at city or district level remains always a challenge for the civic bodies. We have. analysed the problem in detail, and created an integrated solution named **"Integrated Electronic System for Water Reservoir".**

Greater Noida[UGR]-12

Greater Noida [OHT] 15

Belagavi

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3.Smart Waste

- Citizen Awareness
- Analytics
- Maintenance Decisions Support System (MDSS
- Online Services
- Crowd Sourcing
- Sanitation/waste collection Scheduling Solution
- Sensor based waste storage and collection
- Automated waste collection systems
- Sensor based sorting
- Recycle
- Energy simulation
- Pollution sensors:
- Analytics
- Land fill
- Incineration

Vehicle Monitoring
Manage Routes and Vehicle dynamically ,Monitoring and tracking of Vehicle
Vehicle Certificates , Registration, CNG, Fire, Fitness
Real time Information inside and about Vehicle IP based Camera and GPS
Route Optimization , AVL Real time tracking of the Vehicle
Mobile Application for Drivers to report incident and breakdown
Manage content on Truck Display Signboard Garbage Points
Real Time information of Missed Garbage Points in Real Time based on speed and distance
Mobile application telling garbage points
Waste Collection Bins
Monitoring and management of Waste Collection Bins
RFID Readers , GPS Device Unit
Alert signal to City operation Center ,Volume sensing notifications

Handheld Reader + GPS + Weigh Bridge Integration + ICCC + Boom barrier + Toll Reader
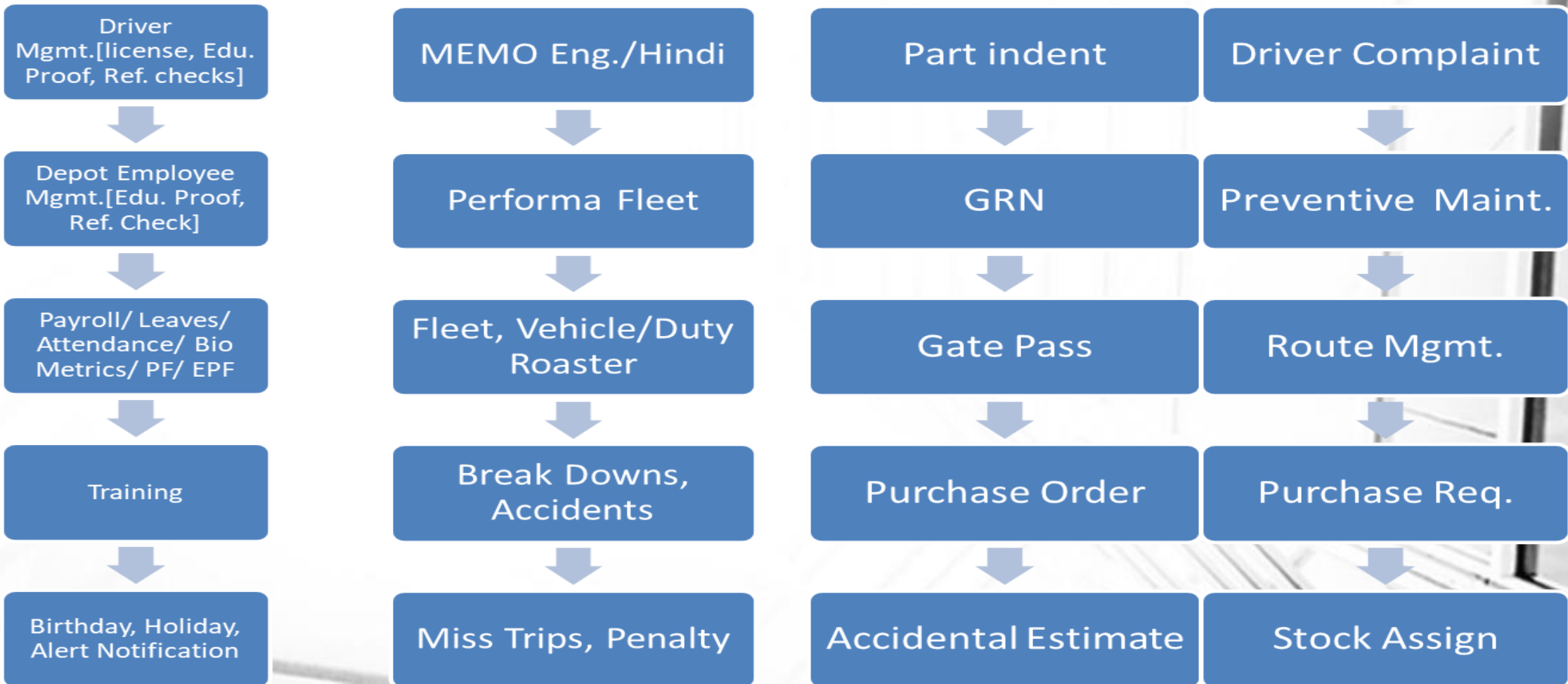
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Digital Technology Provider

3.Smart Waste

Implementations

Zone No-13
Ward No-34
Owner Name-Sanjay
Contact No-
Tag No-21168155
Parcel No-0200900764
Last Transaction-10/9/2017 6:03:13 PM [To Be Pick By Today]

53 Bins

50064 Houses

5185 Garbage Points
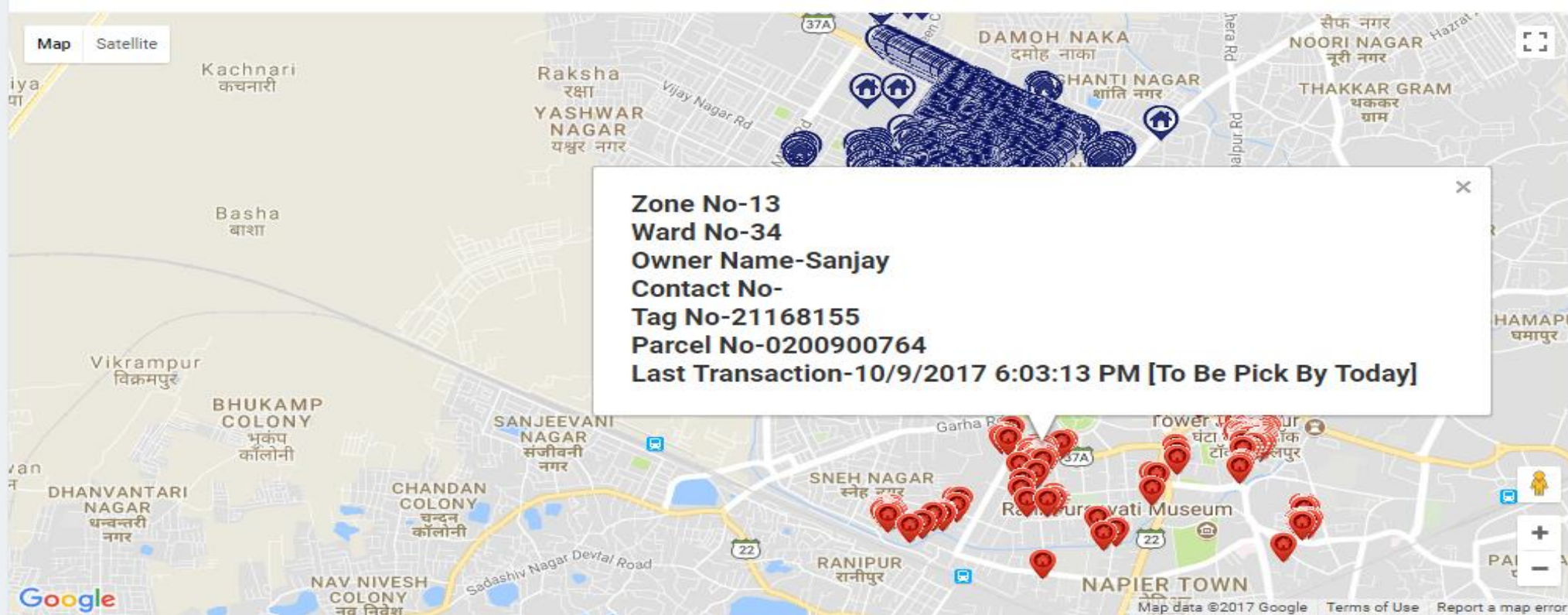
Jabalpur[2L76 Houses, 250 Bins], GIS, ICCC

Delhi[UHF Reader, Tags] Mobile & Web App

Maharashtra[UHF Reader, Tags] Mobile & Web App

4.Smart Parking

Real time Information inside and about Buses IP based Camera and GPS

Route Optimization , AVL Real time tracking of the bus, MEMO

Mobile Application for Drivers to report incident and breakdown

Bus Stop

Real Time information at Bus stop, ETA to Bus stop

Variable Sign Boards, Kiosks using led or kiosk Stands

Mobile application telling bus stop and time to coming of Bus for Citizen
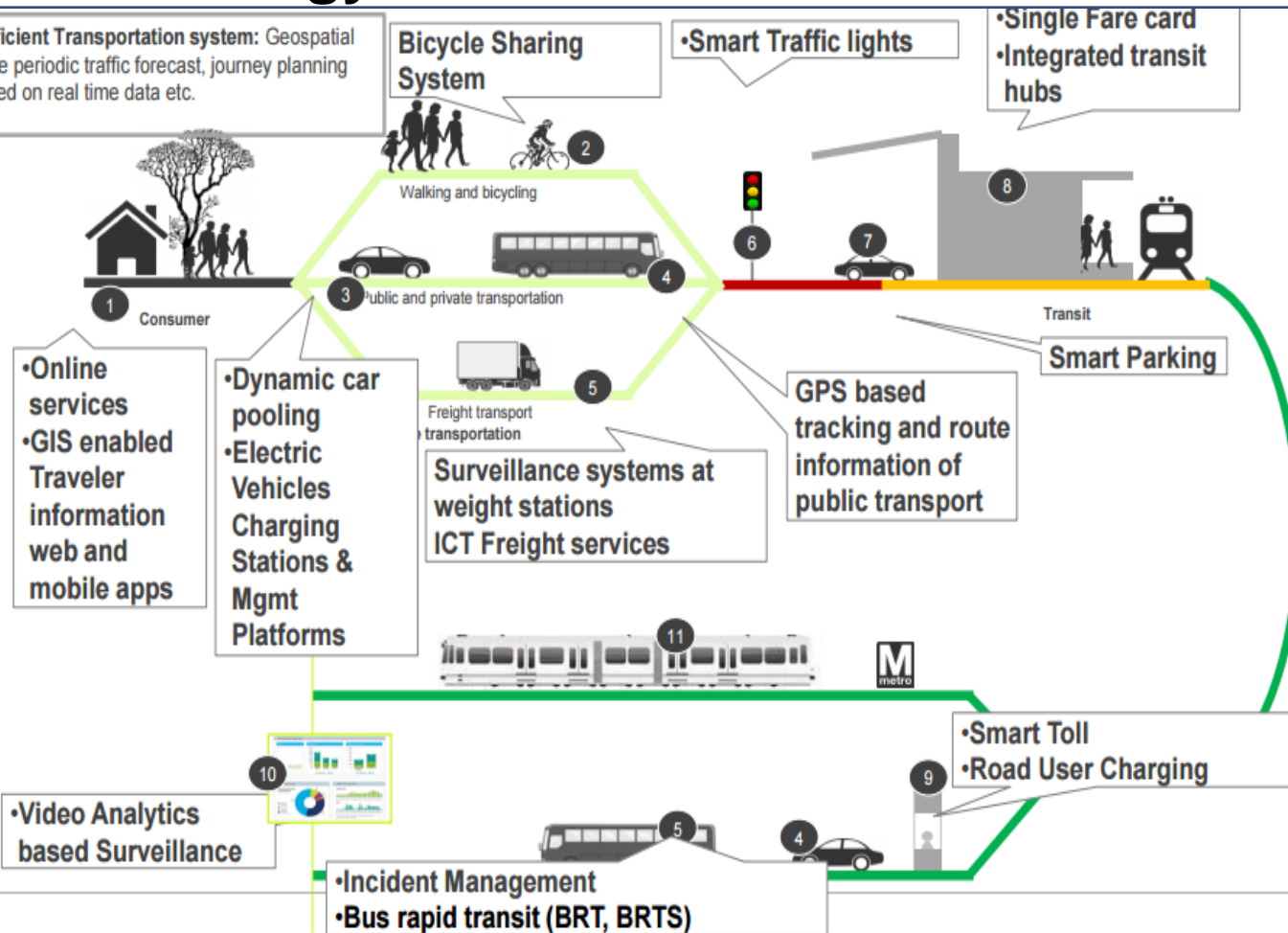
Bus Depot – Fleet Management System

Incident, Accident, Breakdown, Court and challan

Driver Registration, Educational Check, Reference Check, Account Details

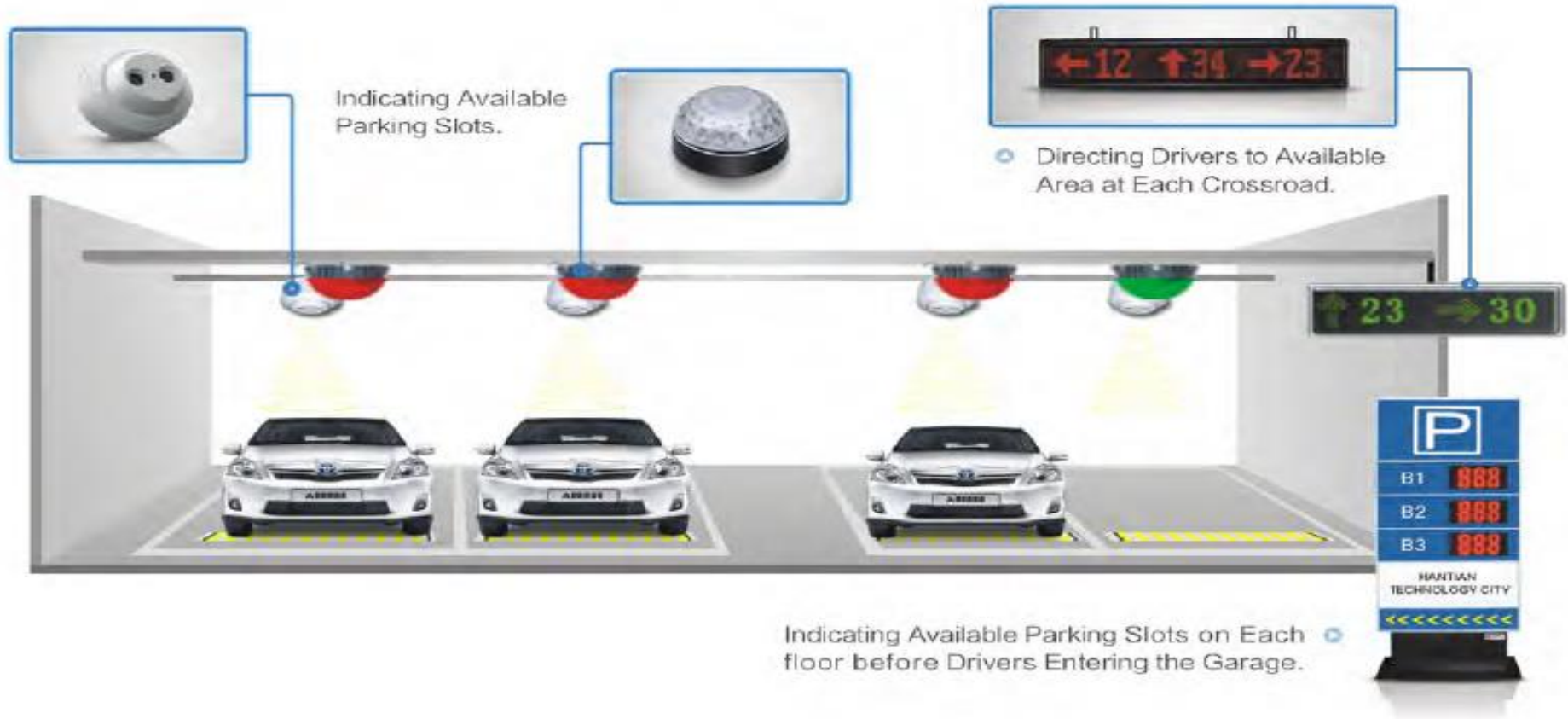Driver Behavior Analysis Duty Assignment, Driver Penalty

Memo generation, Perform Fleet, Fleet Generation

Purchase Order, GRN, Part Ident, Inventory, Part

AVLS + PIS + VMS + FCS + ETL [GPS, CAMERA, Boom Barrier, UHF Reader]

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SmartCity Innogators
Data Centre

1
> The Low Power Sensors detects weather parking space is occupied or vacant and transits the data to the central server

2
> The central server process the data and make the data available over the mobile app for request of parking space by car owners

3
> Car owner search for parking space through mobile application and book the slot based on space availability in the nearest location

> QR Code will be generated and the same will displayed at gates for verification

4

5
> Payment for the parking spac made through the banking wallet or mobile wallet

Smart Parking

Option 1: The car owner of the car shows the mobile QR code to the watchman at the gate and he verifies the QR code and issues the ticket for parking

6
Option 2: The car owner of the car shows the mobile QR code at the automatic parking system installed at Gate and gets

Contactus@ajeevi.com,
9654323500

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AVLS + PIS + VMS + FCS + ETL [GPS, CAMERA, Boom Barrier, UHF Reader]

Infosys

LGF - TWO WHEELER PARKING	1A	XXX
LGF - CAR PARK	1B , 1C	XXX
UGF - GENERAL PARKING	1D, 1F	XXX
UGF - RESERVED PARKING	1E	XXX
SDB 2 : CAR PARK		XXXX
SDB 2 : TWO WHEELER		XXX

Infosys

TWO WHEELER PARKING	2A	XXX
LGF CAR PARK	2B, 2C, 2D	XXX
UGF CAR PARK	2E, 2F, 2G	XXX
SDB 1 : CAR PARK		XXX
SDB 1 : TWO WHEELER		XXX

Indoor + Outdoor Parking [GPS, CAMERA, Boom Barrier, UHF Reader]

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Digital Technology Provider

| Governance | Water | Waste Man. | Safety | Transport | Energy | Healthcare | **Education** |

Infrastructure
1. •CCTV Surveillance
•GPS tracking in buses:

3. Adopt curriculum
Curriculum management solution (Schools

4. Teacher recruitment
•Online recruitment

2. School Management System

Analytics

Biometric attendance system

9. Report Card — Reading, Writing, MATH

8.

6.

5.

10. Learning outcomes
Student Performance Management Solution

•Smart Classrooms & Collaborative learning platforms
•Online trainings , E-Books and Video conferencing lectures

Teaching and learning

Student Enrollment

Online centralized admission system

11. Teacher Performance Management Solution

Rashtriya Madhyamik Shiksha Abhiyan (RMSA)
Rashtriya Uchchatar Shiksha Abhiyan (RUSA)

Mobile App enabling to School Material Distribution
Mobile app for Parents School Teachers
School Rating Portal
Review, Compare, apply for Schools
School Backed Process, Admission, fees Payment, registration, hostel, transport, library
Data Analysis
Embedded Web Server
Mobile Device
Student Safety Security
School ERP
Student Registration, Admission
Course Syllabus, Duty Roaster
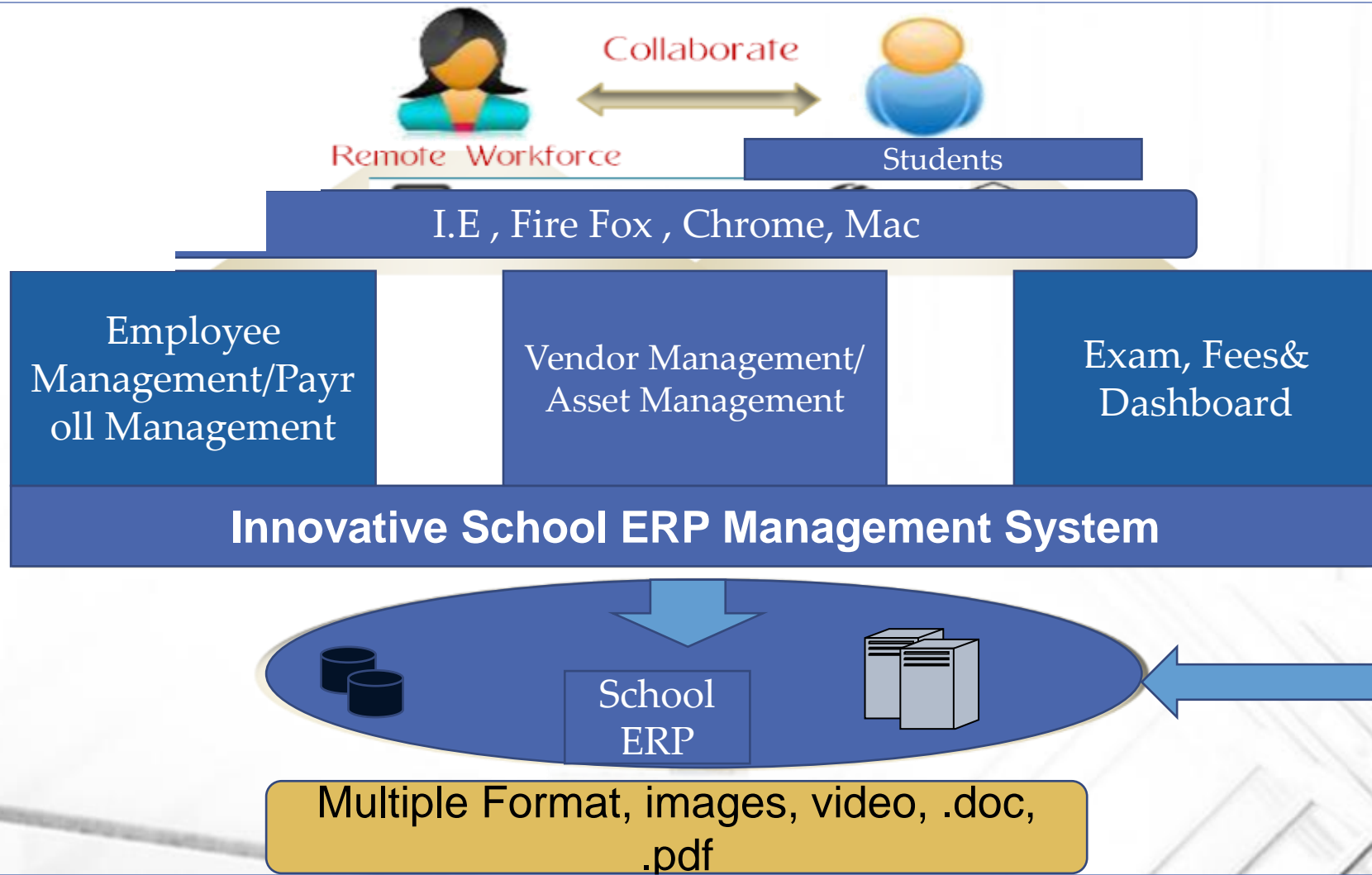
AVLS + PIS + VMS + FCS + ETL [GPS, CAMERA, Boom Barrier, UHF Reader]

6.Smart HealthCare

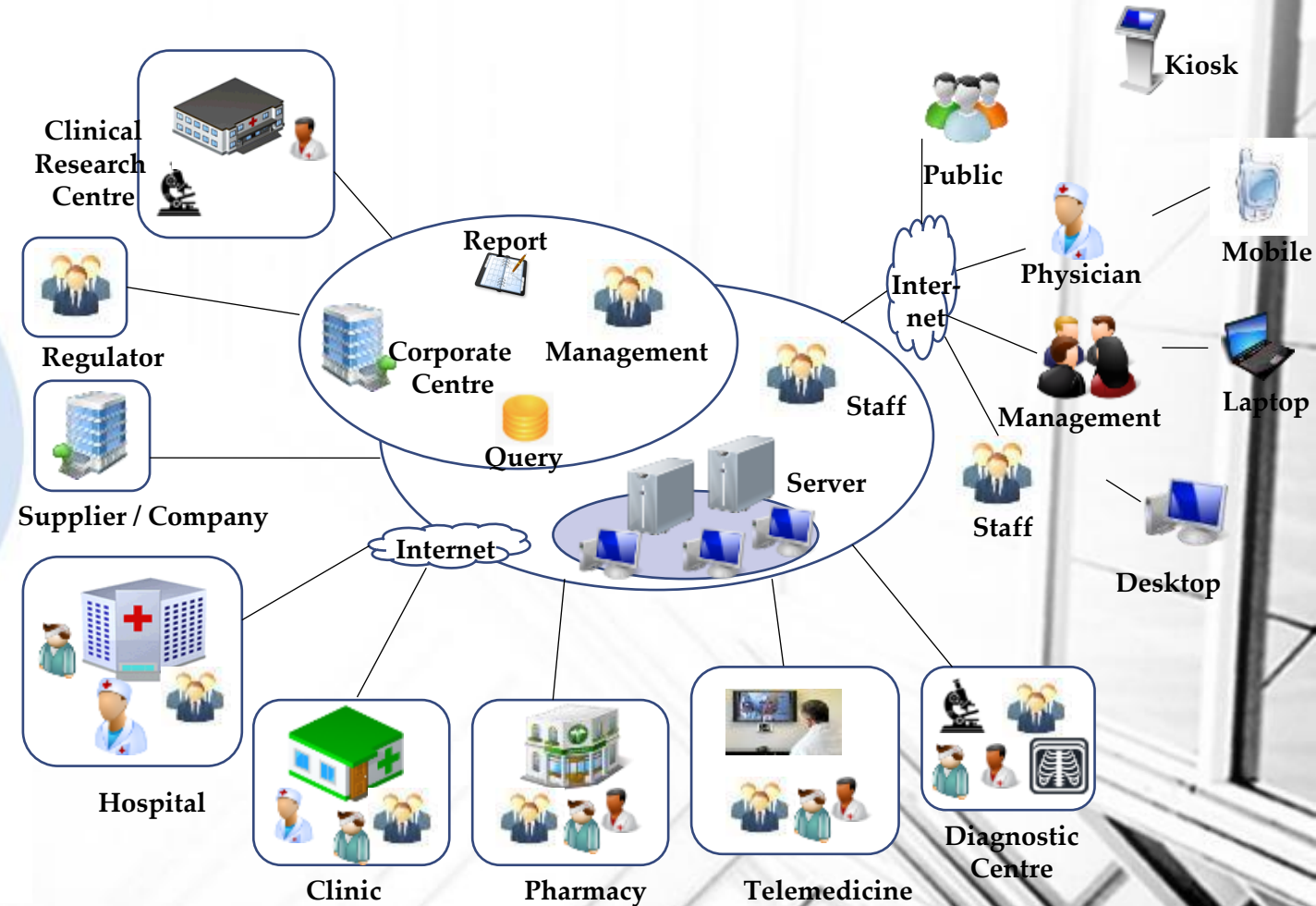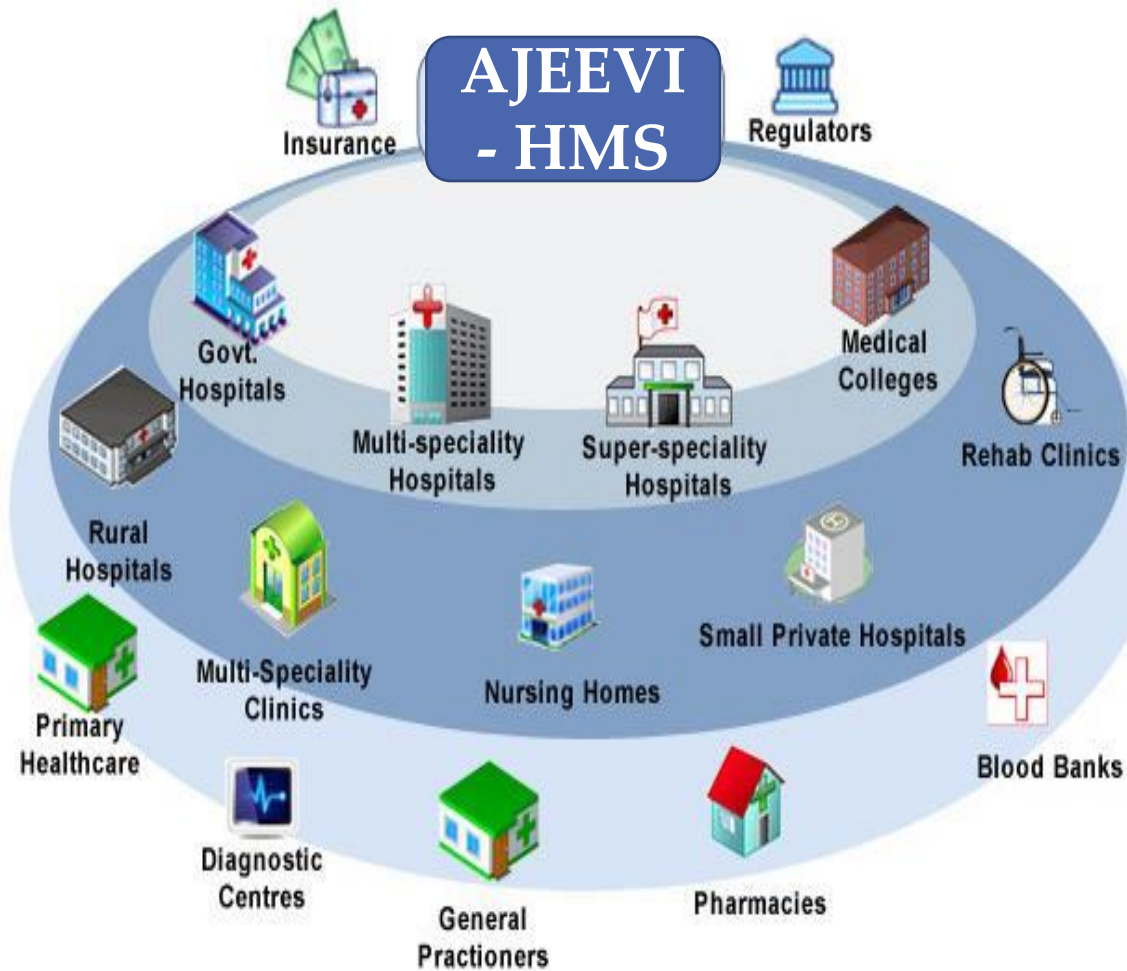| Feature |
|---|
| Mobile App enabling registration and Booking of Test |
| Web application-ERP for Hospitals |
| Web Application for Health Care Centers |
| Attendance Management |
| Patient Management |
| Appointment Booking |
| Data Analysis |
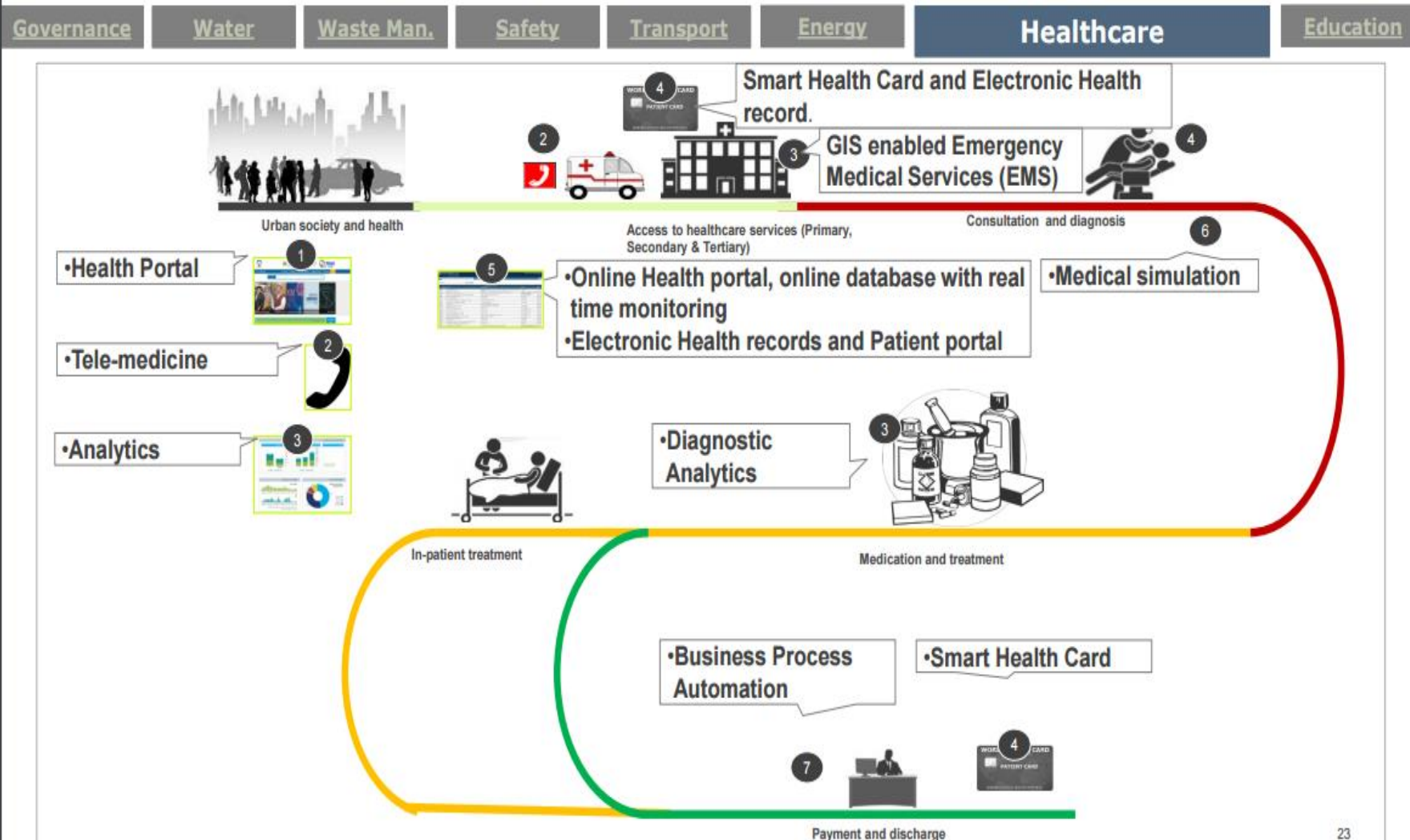
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Geospatial enabled efficient Transportation system: Geospatial enabled services provide periodic traffic forecast, journey planning mobile applications based on real time data etc.

- Bicycle Sharing System
- Smart Traffic lights
- Single Fare card
- Integrated transit hubs

Walking and bicycling

Consumer

Public and private transportation

Transit

Smart Parking

- Online services
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Freight transport transportation

Surveillance systems at weight stations ICT Freight services

GPS based tracking and route information of public transport

metro

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- Road User Charging

- Video Analytics based Surveillance

- Incident Management
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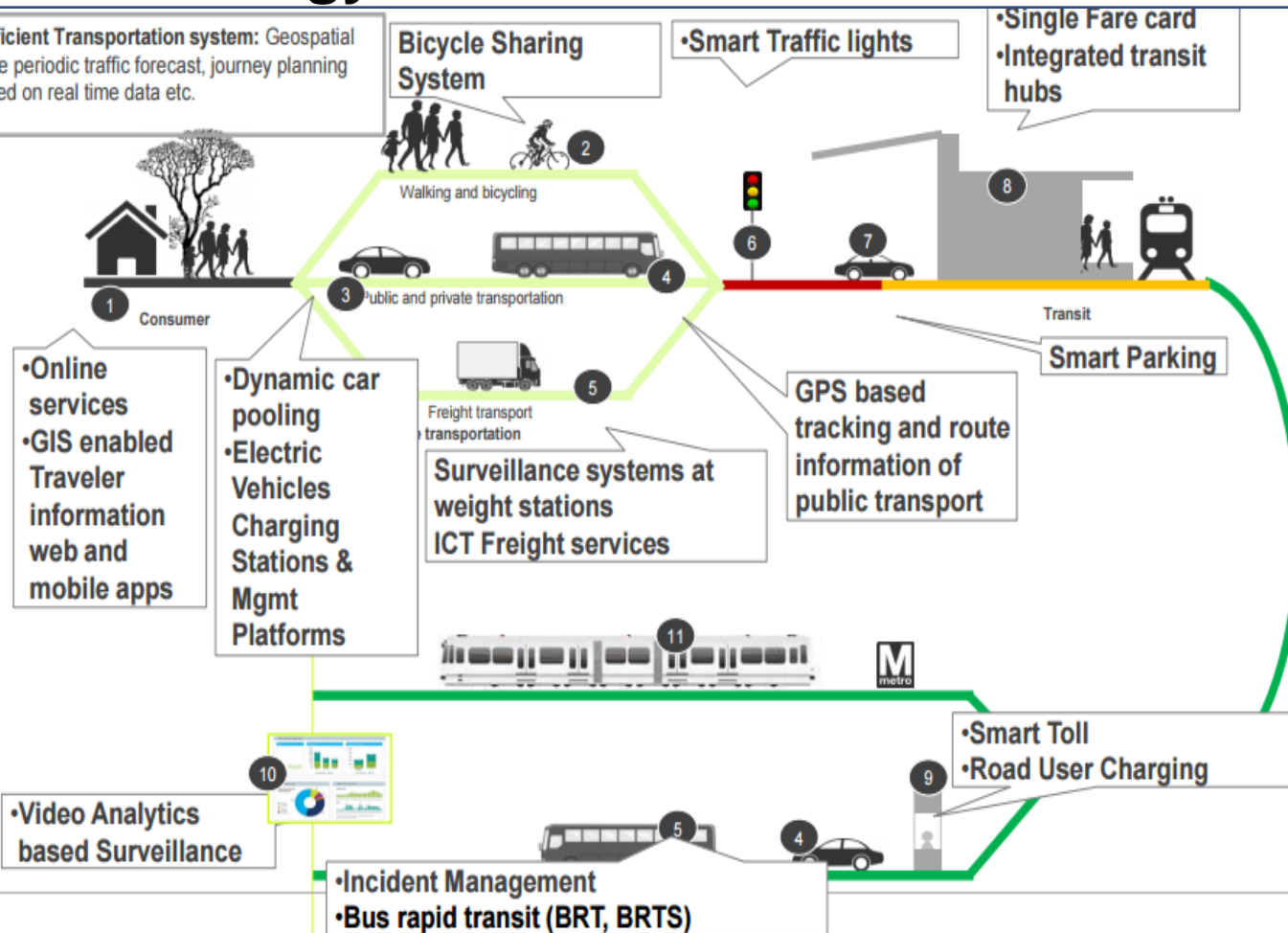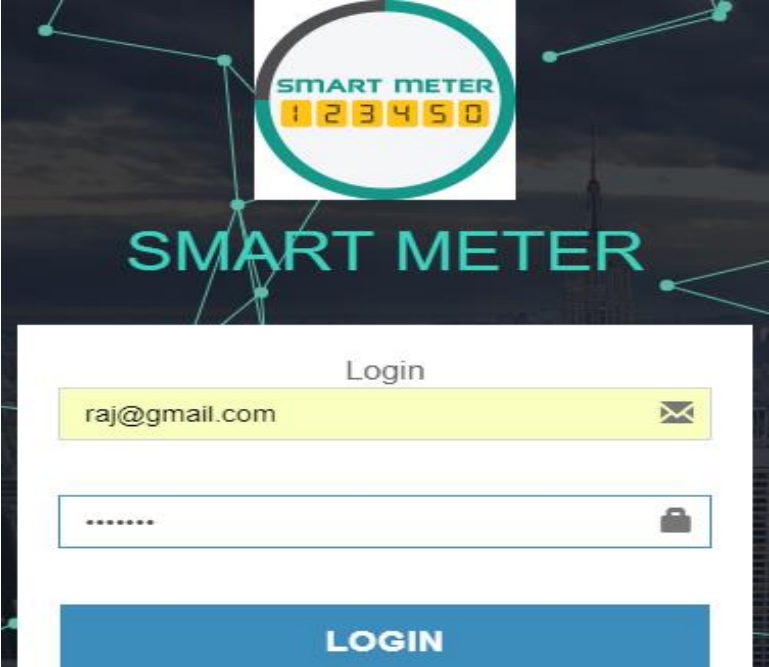
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7.Smart Energy

A.C. Monitoring

SMART METER

Login

raj@gmail.com ✉

••••••• 🔒

LOGIN

← → C ⓘ Not secure | smartmeter.ecosmartdc.net/Report/MonthlyConsumption ☆

SMART METER

≡ **SMART METER**   🟡 RAJ ⚙

RAJ
🟢 Online

MAIN MENU

🐼 Dashboard

🌐 Masters ‹

📄 Report ‹

👤 User Management ‹

Monthly Consumption Details

| 📋 Copy | 🖨 Print | 📊 Excel | 📄 PDF | Column visibility | Show 10 rows ▾ entries | | | Search: |

Sr. No. ▲	Society Name	Society code	Flat No	Owner Name	Meter Id	Accessible User	DG Consumption	Grid Consumption
1	Paras	SCTY/1	L-502	Vikas Sharma	861359035672748	Vikas L-502	0	0

Showing 1 to 1 of 1 entries

Previous | 1 | Next

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Digital Technology Provider

Features
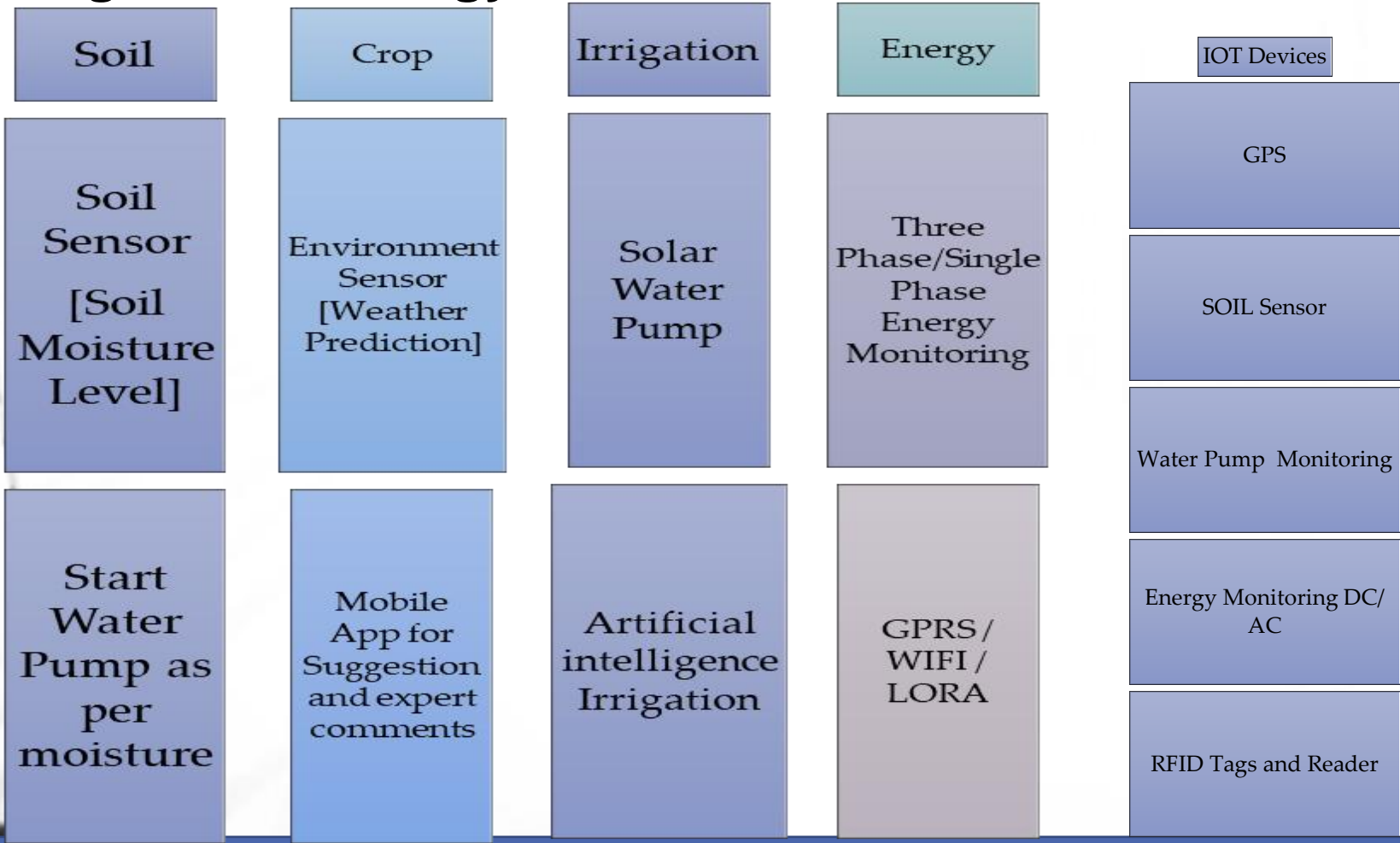
Smart Light Management

- Minimize Energy /usage
- Operate Street Lights in Three States[Dual Dim/ Bright/ Off]
- Automated Control make adjustment based on condition such as occupancy
- Policy driven central control mechanism
- Real Time Tracking and Management
- LED base smart Lightening to support automated Light and sensing
- Individual outdoor led light
- Detect Failure of LED Bulbs
- Infrastructure Solution
- LED base Smart Lighting fixture and Fittings
- Smart Controller Mechanism

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Soil	Crop	Irrigation	Energy	IOT Devices
Soil Sensor [Soil Moisture Level]	Environment Sensor [Weather Prediction]	Solar Water Pump	Three Phase/Single Phase Energy Monitoring	GPS
				SOIL Sensor
Start Water Pump as per moisture	Mobile App for Suggestion and expert comments	Artificial intelligence Irrigation	GPRS/ WIFI / LORA	Water Pump Monitoring
				Energy Monitoring DC/ AC
				RFID Tags and Reader

Mobile App enabling Farmer to know:

1. Water Details
2. Crop Details
3. Pesticide Details
4. Weather Details

Review, Compare, apply for Crops

Data Analysis

Embedded Web Server

Field Safety Security

AVLS + PIS + VMS + FCS + ETL [GPS, CAMERA, Boom Barrier, UHF Reader]

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Smart Environment Sensors

Wireless Sensor Network

Wireless Sensor Network

SQL Database

Central Web Server

Zone A — Embedded Web Server

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SmartCity Innogators

Zone B — Embedded Web Server

Zone C — Embedded

Pressure
Audio
Light
Acceleration
Liquid / Relay
PIR Motion
Temperature
Humidity
Calibration EEPROM

Applications

Smart Phone
PDA
User
Laptop
Desktop

Wireless Environmental Sensor
Collect Sensor Data
Send recorded information to Central System
Central System
Receive information from environmental sensor
Display information on real-time basis
Send information to mobile phone application
Save information in SQL Database
Mobile Device for Drivers
Connect to Central Webserver
Receive information from central system
Alarm Management
Digital display Unit
Receive information from Central Application

10.Governance
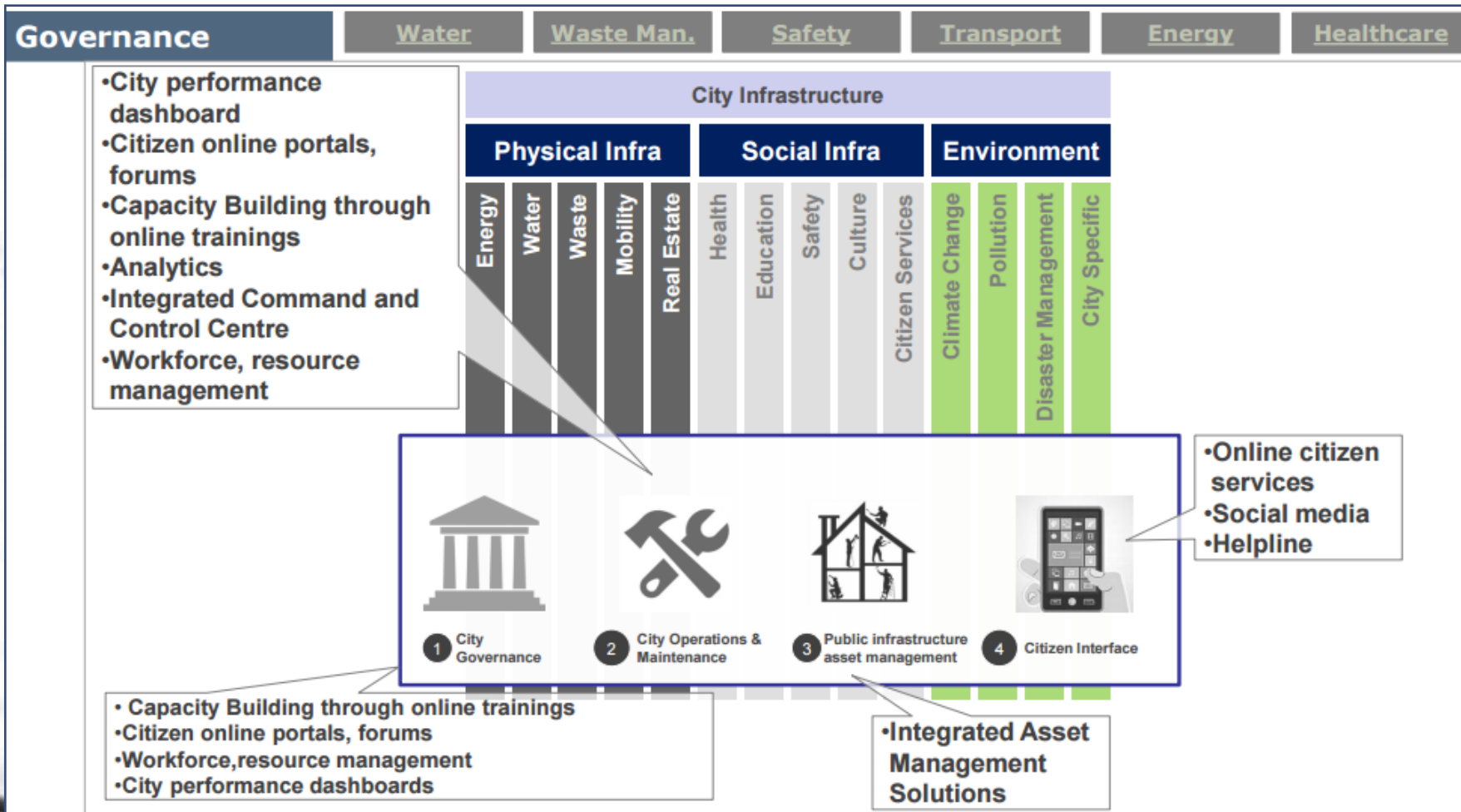
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- Mobile App for Citizen
- One window e-Registration Activity
- Field Tracking Apps
- Public Government Distribution App
- City Surveillance
- Data Analysis

Governance | Water | Waste Man. | Safety | Transport | Energy | Healthcare

- City performance dashboard
- Citizen online portals, forums
- Capacity Building through online trainings
- Analytics
- Integrated Command and Control Centre
- Workforce, resource management

City Infrastructure

Physical Infra | **Social Infra** | **Environment**

Energy | Water | Waste | Mobility | Real Estate | Health | Education | Safety | Culture | Citizen Services | Climate Change | Pollution | Disaster Management | City Specific

- Online citizen services
- Social media
- Helpline

1. City Governance
2. City Operations & Maintenance
3. Public infrastructure asset management
4. Citizen Interface

- Capacity Building through online trainings
- Citizen online portals, forums
- Workforce, resource management
- City performance dashboards

- Integrated Asset Management Solutions

AVLS + PIS + VMS + FCS + ETL [GPS, CAMERA, Boom Barrier, UHF Reader]

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Digital Technology Provider

10.Smart Governance

Logistic Architecture

Users (left column):
- Head office User
- Depot User
- Field User
- External Users

Smart Supply Chain Logistics

Frontend Services

Login	Item Registration	Packaging List
Notifications	Consignee Type	Depot Dispatch
Location Upload	Box Type	Depot Intake
Distribution to Location	Distribution within Location	Undelivered Item

Business Services

| Admin | Analytics | Business Flows |
| User Profile Management | Access Management | Business Rules |

Reporting

- Box Packaging
- Dispatch
- Distribution
- End-Point Distribution
- Status Report
- Item Consumption
- Error Report

Integration Layer

- UHFID
- GSM
- SMS Gateway

Databases:
- Box Inventory DB – Cloud Hosted
- Local Box Inventory DB – Depot Hosted

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10.Smart Governance

Logistic Features

Role	Action	Features
H/O Supervisor	Assigns Unique Id to each Books/Box	1.Less Manual Work
H/O Supervisor	Assigns Unique UHFID Tag to each Box/Book	2.Improved Visibility
Loader Boys	Load the Box to Vehicle at Head Office	3.Improved Planning
Loader Boys	Unload the Box From Vehicle at Depot	4.Fast Location of Boxes
Delivery Boys	Takes the Boxes from Depot to EndPoint	5.Improve efficiency
Delivery Boys	Deliver the Boxes to Schools & Take Confirmation	6.Increase Accuracy

Endpoint In charge

Real Time Monitoring Using UHFID

AJEEVI Training

Methodology

	Develop Training Plan	Develop Training Materials	Prepare for Testing	Testing	Train Users	Go Live Support
Activities	▪ Determine training needs by audience ▪ Document training development and approval process ▪ Define module outline and module structure ▪ Determine roll-out plan ▪ Conduct module walkthrough ▪ Identify Business Training Liaisons, Super Users and trainers	▪ Design test case exercises ▪ Construct training schedule ▪ Develop process training materials ▪ Conduct training for Business Training Liaisons and Super Users on high level processes ▪ Plan logistics for training	▪ Conduct training for pilot team and other "Instructors" on high-level processes and screens required to execute parallel testing/pilot training	▪ Pilot team and other "Instructors" participate in parallel testing/pilot training ▪ Prepare trainers	▪ Incorporate lessons learned from pilot training presentation and exercises ▪ Produce training support materials ▪ Finalize training modules for End Users ▪ Conduct training for End Users ▪ Survey End Users on course content and facility	▪ Validate effectiveness of training program ▪ Follow-up training, as needed
Deliverables	▪ End User Training Strategy and Plan ▪ Process module outline and structure	▪ Presentations on high-level process flows ▪ Exercises on test cases, where applicable ▪ Training schedule ▪ Training support materials ▪ Logistics Plan	▪ High-level processes and system training delivered	▪ Lessons learned through parallel testing/pilot training documented to be incorporated into overall training materials	▪ Detailed processes and system training delivered ▪ End User course evaluations	▪ Go Live and post-Go Live support (FAQs, quick reference materials, etc.) ▪ Business performance results ▪ Feedback on system, processes and ▪ training from End Users

**Smart Solid Waste Management
Municipal Corporations/MNCs
Asset Monitoring/Logistics**

Aadhar Enabled Bio Metric Attendance System—[AJV-AEBMAS-001]

OVERVIEW OF THE SYSTEM

- Aadhaar Certified Fingerprint and Iris scan

- Gray scale finger image data may be stored, recorded, or transmitted in uncompressed – bit packed form.

- resolution of the image data formatted and recorded for interchange should be the scan resolution of the image

- Each record shall pertain to a single Aadhaar entry and shall contain an image record (consisting of single view) for each of one or more fingers/ iris scans; multiple fingers/iris scans (single image records).

- Live-scan plain Finger Impression type should be used

- Except the scanner driver, there should not be any requirement for loading any software/ license while plugging the scanner

- scanner driver should be API enabled to ensure compatibility with any application

- Should have inbuilt battery backup

- Data retention should be provisioned in case of power failure

- Should be able to mark time (hours) against the attendance of the worker

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Municipal Corporations/MNCs
Asset Monitoring/Logistics**

Microsoft BizSpark
Network Partner *Microsoft*

Smart Bin Level Sensor-[AJV-BLS-001]

OVERVIEW OF THE SYSTEM

- QR This device is fixed waste bin in garbage collection point.

- BIN ID with geo location can be sent to server on Realtime basis.

- This device is powered by Li-polymer 6000 MAh battery with 3.7 v, easily charged by any mobile charger Three to Five Years Battery backup when once charged with a regular mobile charger

- This device will automatically push encrypted data into a secure server.
- Data analytics tools of garbage collection
- LED indicator :- GPS, Sensor, GSM & Power
- IP65 enclosure to sustain in harsh environment
- Micro SIM and MicroSD card Support
- Alert/regular SMS or email can be sent to Garbage col-

  lection team.

DEVICE SPECIFICATION

Smart Solid Waste Management Municipal Corporations/MNCs Asset Monitoring/Logistics

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Smart BOOM Barrier

OVERVIEW OF THE SYSTEM

- Boom Barrier is used to pass the authorize vehicles

- Vehicle is affixed with the windshield tag

- The boom barrier comes along with the remote

- This boom barrier will automatically opens as the vehicle with authorized tag comes.

- The device comes along with electromechanical & hydraulic combination

- LED indicator :- GPS, GSM & Power

- IP65 enclosure to sustain in harsh environment

- Micro SIM and MicroSD card Support

- Alert/regular SMS or email can be sent

8 cm
4.5 cm
3,4 and 4.5 meter small octagon arm

10 cm
4.5 cm
Folding arm and 6 meter big octagon arm

Smart Solid Waste Management
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Asset Monitoring/Logistics

Smart Data Transmission Device — [AJV-DTR-001]

OVERVIEW OF THE SYSTEM

- This device is installed on base Device.

- Device ID with geo location can be sent to server on Real-time basis.

- This device is powered by Li-polymer battery with 3.7 v, easily charged by any mobile charger

- This device will automatically push encrypted data into a secure server, 736 Bytes, 200 MW Max.

- Data analytics tools

- LED indicator :- GSM & Power

- IP65 enclosure to sustain in harsh environment

- Micro SIM and MicroSD card Support

- Alert/regular SMS or email can be sent .

* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Smart Fuel Level Sensor—[AJV-FLS-001]

OVERVIEW OF THE SYSTEM

- This device is fixed fuel tank in any vehicle and DG GENSET or any industrial fuel machine.

- Fuel tank ID with geo location can be sent to server on Real-time basis.

- Smart fuel level sensor works with our GPS tracking device to send live fuel monitoring data to our server. So that you can do real time monitoring of fuel volume and fleet tracking with increasing fuel costs, tracking fuel data is becoming a critical component of any cost saving exercise.

- Monitoring fuel level in tank online.

- The smart fuel sensor device is Gives notification you 24/7 access to fuel consumption .

- This device will automatically push encrypted data into a secure server.

- Data analytics tools of garbage collection

- LED indicator :- GPS, Sensor, GSM & Power

- IP65 enclosure to sustain in harsh environment

- Micro SIM and MicroSD card Support

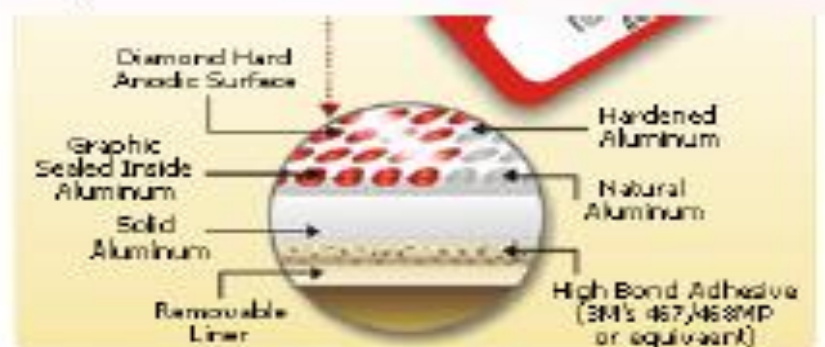- Alert/regular SMS or email can be sent to fuel monitoring team.

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* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Smart VTS/GPS—[AJV-GPS-001]

OVERVIEW OF THE SYSTEM

- Ruggedized GPS Device

- Easy to Place, Unique Device ID, Proximity to know exact location

- GPS Device are placed on vehicles, any asset or Waste Bins

- Can be mounted with screws or can be pasted

- GPS along with GPRS

- Employee swaps the Reader & Tag data with time stamp is sent to Cloud

- This device works with the vehicle battery or its own battery

- The data is decrypted and displayed in analytics software tools using this analytics software

* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Smart Handheld RFID Reader—[AJV-HHR-001]

OVERVIEW OF THE SYSTEM

- This device is carried by door to door garbage collection person.

- Tag ID with geo location can be sent to server on Real-time basis.

- This device is powered by Li-polymer 5000 MAh battery with 3.7 v, easily charged by any mobile charger

- This device will automatically push encrypted data into a secure server, 736 Bytes, 200 MW Max.

- Data analytics tools of garbage collection

- LED indicator :- GPS, RFID GSM & Power

- IP65 enclosure to sustain in harsh environment

- Micro SIM and MicroSD card Support

- Alert/regular SMS or email can be sent to Garbage collection team.

* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Smart QR Code-[AJV-QRC-001]

OVERVIEW OF THE SYSTEM

Your Logo

A-0001

- QR code (abbreviated from Quick Response Code) is the trademark for a type of matrix barcode (or two-dimensional barcode).

- QR code uses four standardized encoding modes (numeric, alphanumeric, byte/binary, and kanji) to efficiently store data;

- QR code consists of black squares arranged in a square grid on a white background, can be read by an imaging device such as a camera, and processed using Reed–Solomon error correction until the image can be appropriately interpreted.

- The required data is extracted from patterns that are present in both horizontal and vertical components of the image.

- The QR Code is ruggedized and on metal plate to sustain harsh operational environment.

- Swachh worker scans the QR Code on the dustbins via QR Code Reader

- The QR Code data is pushed via GSM to Server

Diamond Hard Anodic Surface
Graphic Sealed Inside Aluminum
Solid Aluminum
Removable Liner
Hardened Aluminum
Natural Aluminum
High Bond Adhesive (3M's 467/468MP or equivalent)

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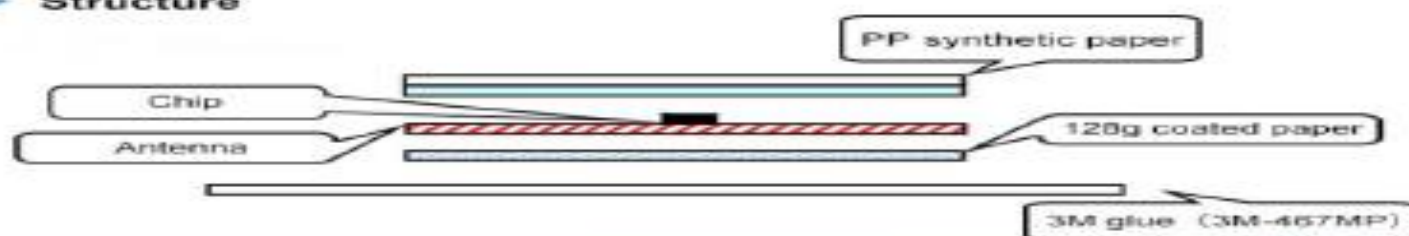
* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Smart RHF Tag—[AJV-RHF-001]

OVERVIEW OF THE SYSTEM

- Ruggedized RHF TAG

- Easy to Place

- Unique Device Number

- Readers are placed in Hand, or any asset

- Can be mounted with screws or can be pasted

- Asset/Employee swaps the tag the data with time stamp is sent to Cloud

- Tamper Proof

- The data is decrypted and displayed in analytics software tools using this analytics software.

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Smart UHF Tag—[AJV-UHT-001]

OVERVIEW OF THE SYSTEM

- Ruggedized UHF TAG
- Easy to Place
- Unique Device Number
- Readers are placed on vehicles, any asset
- Can be mounted with screws or can be pasted
- Asset/Employee swaps the tag the data with time stamp is sent to Cloud
- Tamper Proof
- The data is decrypted and displayed in analytics software tools using this analytics software.
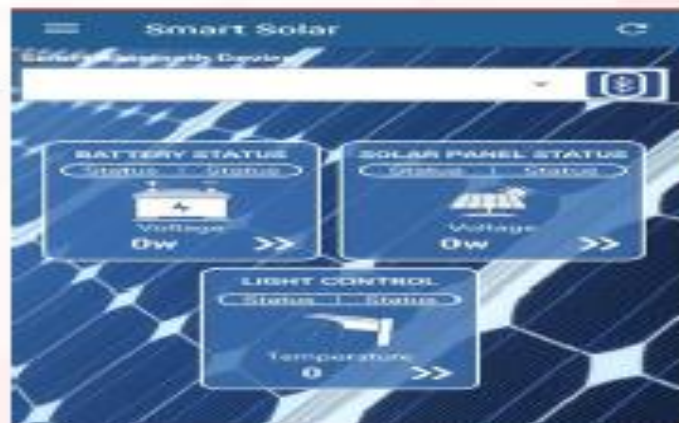
DEVICE SPECIFICATION

Sr. No	Parameter	Value
1.	Reading/Detection Range	5 Mtr. / 15 Mtr.
2.	Protocol	ISO18000-6B, ISO18000-6C (EPC GEN2)
3.	Frequency Range	Standard ISM 902~928MHz or ISM 865~868MHz, 860-960 MHz
4.	GSM / GPRS multi slot Class/mobile station	Class12, class B, Low power consumption.
5.	Operation Mode	FHSS or fixed frequency (set by software)

* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Smart Wind Shield Tag—[AJV-WST-001]

OVERVIEW OF THE SYSTEM

18±0.2mm
44±0.2mm
55±1mm
3.59±1mm

Structure

PP synthetic paper
Chip
Antenna
128g coated paper
3M glue (3M-467MP)

- Ruggedized UHF TAG
- Easy to Place
- Unique Device Number
- Readers are placed on vehicles, any asset
- Can be mounted with screws or can be pasted
- Asset/Employee swaps the tag the data with time stamp is sent to Cloud
- Tamper Proof
- The data is decrypted and displayed in analytics software tools using this analytics software.

DEVICE SPECIFICATION

Sr. No	Parameter	Value
1.	Reading Range	5 Mtr. / 15 Mtr.
2.	Protocol	ISO18000-6B, ISO18000-6C (EPC GEN2)
3.	Frequency Range	Standard ISM 902~928MHz or ISM 865~868MHz,other frequency available
4.	GSM / GPRS multi slot Class/mobile station	Class12, class B, Low power consumption.

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* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

DC Energy Management Systems –[AJV-DCM-001]

OVERVIEW OF THE SYSTEM

- AJEEVI has designed the complete solution of DC monitoring system of Smart DC Solar energy that can be as simple as automating a light, so that it can be controlled by a Bluetooth remote control device .

- AJEEVI DC energy management can be used for monitoring and controlling in DC systems. These meters can measure a wide range of parameters such as voltage, current, power and energy (Battery as well as Solar). It supports bi-directional current measurement, digital inputs for switch monitoring and outputs for Bluetooth remote controlling as well as an over-range alarming feature for voltage and current. Large signals, such as voltage and current can be converted to smaller signal using analog output. All data in the meter is accessible Bluetooth using mobile App .

- DC Monitoring is a unique solution with add-on communication facilities for local & remote interfacing with Control/Data Center in its class.

- The device has wide range of Direct Current (multi-channel) & Voltage measurement and Various Electrical parameters like Power/Energy/Demand available to display & store into it.

- DC Energy monitoring also control Daylight Diming controls the artificial light depending on the available daylight. When enough daylight is available, the artificial light dims down according to how much light is available.

- In AJEEVI Smart solar light system connected Wireless Bluetooth control system, all street light are connected in a wireless Bluetooth network allowing them to be controlled from remote controls, pole switches or internet connected devices.

DC Energy Management system

AJEEVI

Smart Solid Waste Management Municipal Corporations/MNCs Asset Monitoring/Logistics

Microsoft BizSpark Network Partner *Microsoft*

Smart Solar Light –[AJV-SSL-001]

OVERVIEW OF THE SYSTEM

- AJEEVI has designed the complete solution of lighting system of Smart Solar light that can be as simple as automating a light, so that it can be controlled by a Bluetooth remote control device .

- Daylight Diming controls the artificial light depending on the available daylight. When enough daylight is available, the artificial light dims down according to how much light is available.

- AJEEVI designed Occupancy sensors / presence detectors type of motion sensors. It automatically turns lights on when a object is occupied and off when a object is vacant.

- In AJEEVI Smart solar light system connected Wireless Bluetooth control system, all street light are connected in a wireless Bluetooth network allowing them to be controlled from remote controls, pole switches or internet connected devices.

Device specification

Sr. No	Parameter	Value
1.	Microcontroller	32bit Microcontroller,64kb Program memory 20kb RAM.
2.	I/O pins	Total 48 pins, 37 I/O pins Low power consumption 3.7V.
3.	GSM/GPRS Band	Quad band class A(1w@1800/1900mhz),class 4(2w@850/900mhz), Antenna signal 5db.

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* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Smart Vehicle Mounted Reader — [AJV-VMR-001]

OVERVIEW OF THE SYSTEM

- Ruggedized UHF Reader

- Easy to Place

- Unique Device Number

- Proximity to know exact location

- Readers are placed on vehicles, any asset

- Can be mounted with screws or can be pasted

- Asset/Employee swaps the tag the data with time stamp is sent to Cloud

- This device contains no battery

- The data is decrypted and displayed in analytics software tools using this analytics software.

DEVICE SPECIFICATION

Sr. No	Parameter	Value
1.	Reading Range	5 Mtr. / 15 Mtr.
2.	Protocol	ISO18000-6B, ISO18000-6C (EPC GEN2), IP 68
3.	Frequency Range	Standard ISM 902~928MHz or ISM 860~868MHz,other frequency available

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Microsoft BizSpark Network Partner

* ISO 9001, 27001 / MSME
* CE Certified Products
* In existence More than 5 Yrs.

AJEEVI ICCC –[AJV-CCC-001]

OVERVIEW OF THE SYSTEM

- AJEEVI Smart Cities Framework enables Cities to Build a City Level Digital Platform that can integrate City Data from various connected systems - City Vehicle, Sensors from City Roadside Infrastructure and City Buildings and store the data in a manner that can be easily consumed by various City Applications and Citizen.

- Ajeevi has established centralized control command centre to The City Level Digital Platform harness advances in Digital Technologies - Social, Mobile, Analytics, Cloud and IoT in an integrated manner and transform the way citizen services is delivered across key perspective - Livability, Security, Mobility and Sustainability.

- Central control centre have an audio video conferencing unit in order to directly communicate for complain monitoring.

- smart waste collection, intelligent transport system, disaster management, parking management system and city surveillance are connected on the single-platform established in the ICCC.

- Display are capable of outfield with a wide array of inputs & outputs, including 4 HDMI ports, 3 USB ports , 1 Ethernet port, 1 RF input, Digital Audio output,RJ45, & RS232C Serial interface.

AJEEVI Command & Control Center

AJEEVI ICCC Smart City Solution

City Surveillance
Intelligent Transport
Traffic Management
Smart Street lighting
Smart Parking
Smart Water
Smart Electric
Smart Environment
Smart Waste

AJEEVI ICCC Software Solution For Navigating through big data,multiple IP or Analog Video Stream.

Smart 3Ø Energy Meter-[AJV-SEM-001]

OVERVIEW OF THE SYSTEM

- AJEEVI Smart meter is electrical measuring device that is used to record electrical energy consumed over a specified period of time in terms of units.

- AJEEVI Smart Three Phase Energy Meter is widely acknowledged by our clients for easy installation, capacity to withstand adverse power and negligible maintenance.

- AJEEVI Smart three Phase energy meter is Web Server and mobile apps based aided prepaid energy meter and post-paid energy meter which notified to amount of energy consumed ,bill payment status, and records correct energy with same accuracy.

- Latest ASIC and Microcontroller based digital Display technology with Low power consumption less than 1 watt. Meter works accurately under earth load condition. LED's indication for current reversal and earth load tampering. Immune to effects of external magnetic field as per IS : 13779.

- Both Side IP65 enclosure to sustain in the harsh environment.

- Micro SIM and Micro SD card Support.

- This device will automatically push encrypted data into a secure server.

- Data analytical tools of energy monitoring team.

Device specification

Sr. No	Parameter	Value
1.	Microcontroller	32bit Microcontroller,64kb Program memory 20kb RAM.
2.	I/O pins	Total 48 pins, 37 I/O pins Low power consumption 3.7V.

* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Smart 1Ø Energy Mataer-[AJV-SEM-001]

OVERVIEW OF THE SYSTEM

* AJEEVI Smart meter is electrical measuring device that is used to record electrical energy consumed over a specified period of time in terms of units.
* AJEEVI Smart Single Phase Energy Meter is widely acknowledged by our clients for easy installation, capacity to withstand adverse power and negligible maintenance.
* AJEEVI Smart single Phase energy meter is Web Server and mobile apps based aided prepaid energy meter and post-paid energy meter which notified to amount of energy consumed ,bill payment status, and records correct energy with same accuracy.
* Latest ASIC and Microcontroller based digital Display technology with Low power consumption less than 1 watt. Meter works accurately under earth load condition. LED's indication for current reversal and earth load tampering. Immune to effects of external magnetic field as per IS : 13779.
* Both Side IP65 enclosure to sustain in the harsh environment
* Micro SIM and Micro SD card Support.
* This device will automatically push encrypted data into a secure server.
* Data analytical tools of energy monitoring team.

Device specification

Sr. No	Parameter	Value
1.	Microcontroller	32bit Microcontroller,64kb Program memory 20kb RAM.
2.	I/O pins	Total 48 pins, 37 I/O pins Low power consumption 3.7V.

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*In existence More than 5 Yrs.

Environmental Management System-[AJV-EVS-001]

OVERVIEW OF THE SYSTEM

- AJEEVI has designed environmental management system for monitor overall ambient air, temperature, CO2, CO, NO2, O3, SO2,noise quality, weather etc.

- Smart Environment Sensors gather data about pollution, ambient conditions (temperature and humidity), levels of gases in the city (pollution) and any other events on an hourly and subsequently daily basis.

- AJEEVI Smart Environment Sensors device able to communicate over Wi-Fi, GSM (3G & 4G) and on wired technology and easily access Third party for Raw data & Computed data.

- Device Measurement elements - Temperature, Humidity, Light, Noise, CO, NO2 ,O3, SO2, pm2.5, pm10,CO2,UVa,UVb.

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Smart ICT Solid Waste Mgmt. Software—[AJV-ICWMS-001]

OVERVIEW OF THE SYSTEM

- Ruggedized QR/RF/NFC TAG is placed at each house or Bins

- Swacch Worker or Vehicle reaches to each house or Bin with Vehicle mounted reader or hand held reader

- The tag is scanned and the data along time stamp is sent to web server

- Bin level sensor is placed in each Bin

- BLS identifies the level of the Bin, and send the alert to webserver

- The data is decrypted and displayed in analytics software tools using this analytics software.

- Integration with Weight Bridge

- Integration with Vehicle Tracking System

- Route Optimization

- Incident & Complaint Management

- SMS Gateway Integration

- GIS/GPS enabled Solid Waste Management System

- CCC Integration/ Citizen Complaint Management
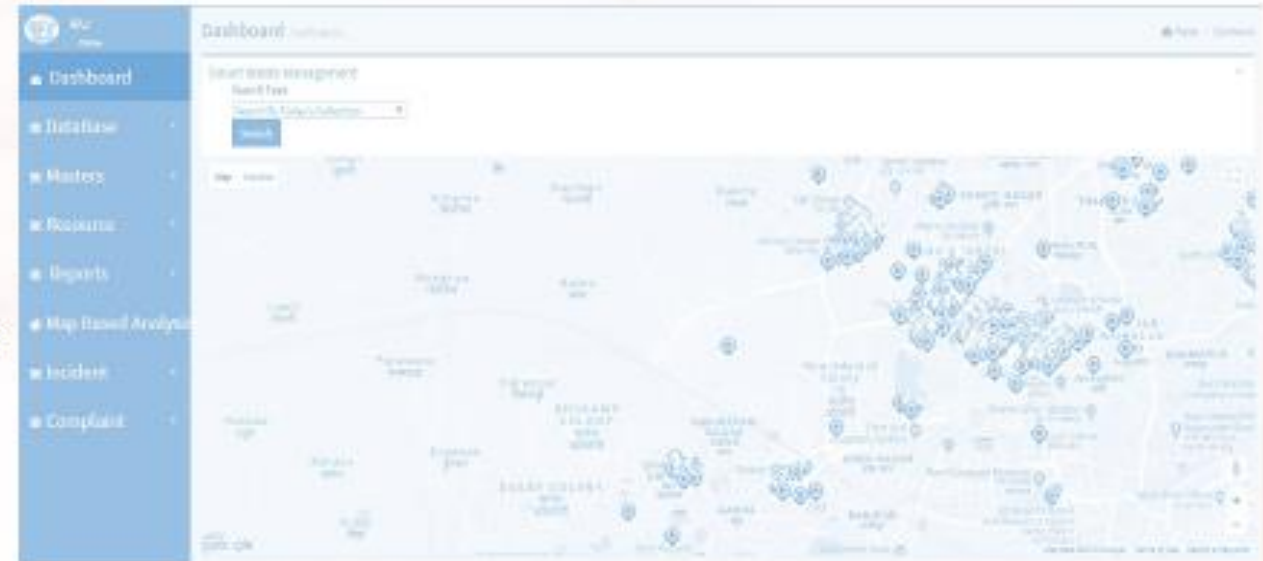
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Asset Monitoring/Logistics

Vehicle Tracking & Monitoring System [SWM]—[AJV-VTMS[SWM]-001]

OVERVIEW OF THE SYSTEM

- GPS tracking of the waste pick up vehicle for real time tracking
- Co-ordination between primary and secondary collection vehicles for transferring dump
- Route Optimization enables in reduction of trip time, fuel saving and serving more locations
- Record history of vehicle routes, attended sites and other details
- Monitoring & Reporting Application - reports of vehicles, garbage collection status etc.
- Alert / Alarm management
- Real time management of missed garbage transfer
- Daily report of Door-Door Collection efficiency combined with complaints raised by Public
- Monitoring & Reporting Application - reports of vehicles, garbage collection status etc.
- GIS Map Integration
- Garbage Collection Scheduling

SOFTWARE SPECIFICATION

Sr. No	Item	Details
1.	**Vehicle Tracking in Smart Waste Management System**	Monitoring of the vehicles used for smart waste management system through a web application for real-time level information for route optimization integrated with the automatic warning system which notifies when community bins is about to get full.
2.	**Real Time Monitoring**	GPS/GIS based Real-time monitoring of solid waste collection vehicles.

Smart Solid Waste Management
Municipal Corporations/MNCs
Asset Monitoring/Logistics

* ISO 9001, 27001 / MSME
* CE Certified Products
*In existence More than 5 Yrs.

Weigh Bridge Monitoring —[AJV-WBM-001]

OVERVIEW OF THE SYSTEM

![ajeevi® Digital Technology Provider logo]

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