



Asset Telematics Pvt. Ltd.

Plot No. 12,
Silicon Valley,
Image Gardens Road
Hi-Tech City,
Madhapur,
Hyderabad – 500081
Telengana, India

<https://www.assettl.com>



Who we are?

- ▶ Asset Telematics Private Limited is an ISO 9001:2008 certified software development & services company headquartered in Hyderabad, India and has an office in Singapore.
- ▶ A wide range of software solutions for the automotive telematics, including fleet management, cab dispatch, and automated emergency response systems, asset & personnel tracking systems, Internet of Things (IoT), and more.
- ▶ We help our clients in processing the sensor data and perform data analytics, business intelligence and data visualization.
- ▶ Decade old, present in 9 countries, tracking over 30,000 Assets and integrated with major hardware manufacturers



Reliable

We believe in building and maintaining long term relationships with all our clients.



Solutions

We endeavor to offer you best solutions in order to acquire your maximum satisfaction.



Experience

We are pioneer in lambasting problems like web or software development



Affordable

We have provided best plus affordable software development and services to numerous large as well as medium entrepreneurs

Our Clients

- ❑ The Company has local and global customers for over 10 years
- ❑ customers in the UAE, Saudi Arabia, Nigeria, Ghana, Singapore, and USA.
- ❑ In India, many corporate customers like Airtel, Idea, Google, Rainbow, Noori Travels, Manipal Hospitals,
- ❑ Many government and PSUs viz. AP State Road Transport Corporation (APSRTC), Dedicated Freight Corridor Corporation of India (DFCCIL), Civil Supplies Department, Police Department, Canara Bank, State Bank of Hyderabad, Andhra Bank etc.

Google	Microsoft	Amazon	Airtel	Idea
Taj Hotels	Flipkart	SBI	Canara Bank	Rainbow
Green Park	DPS	Oerlikon	Dadoos	Noori Travels
Elon	SDBPL	JMJ Fleet	Victor Logistics	Purple
Right Choice	Aristo	VITANA	BEIT	Kushal Logistics
MJ Tracker	SDBPL	WINGS	Yatra	Adapteq

#1: Asset Connect

Features

- ❑ All Assets can be tracked on Google Map in real time & through web & mobile application
- ❑ Map View for total fleet visibility
- ❑ Tracking Insights
- ❑ Live Track of Asset
- ❑ Play back trip history
- ❑ Alerts & Event notifications
- ❑ Geo-fence Entry & Exits
- ❑ Reports & Charts
- ❑ Sensors: RFID, Fuel, Temperature, Pressure, SLI and Door open/close monitoring
- ❑ Remote Locking

Technologies

- ❑ IoT Integrations : IBM Watson, JioUtils, Azure & opensource
- ❑ Angular
- ❑ Node.js
- ❑ ASP.NET Core
- ❑ MySQL
- ❑ MongoDB
- ❑ Android
- ❑ iOS
- ❑ Linux
- ❑ Windows



#2: People Activity Tracking

Features	Technologies
<ul style="list-style-type: none">❑ PATS solution helps in employee or people location and activity tracking❑ Creating virtual Geofences❑ Management Dashboards❑ Provides the head count of personnel present in a given Geofence❑ Alerts if an un-authorized person enters into a restricted zone❑ Defining zones / categories to provide digital attendance❑ Clocking Working and non-working durations❑ SOS alerts in case of an emergency❑ Ability to use camera view of an incident area❑ Reading of NFC card data to map data associated with an employee	<ul style="list-style-type: none">❑ 3rd party VMS integration – Milestone❑ ASP.NET❑ MS SQL Server❑ Android❑ Windows



#3: Connected Car

Features

- ❑ Connected Cars solution is designed in an open architecture
- ❑ Capable of integrating various types of devices and communications channels
- ❑ e.g. OBD devices and transport systems.
- ❑ Integrated with Harman Tracking Platform API's
- ❑ Provides tracking features for all types of fleet like Public transport, Personal vehicles, Taxis and Ambulances etc.
- ❑ Dashboards , Notifications & Fleet utilization reports

Technologies

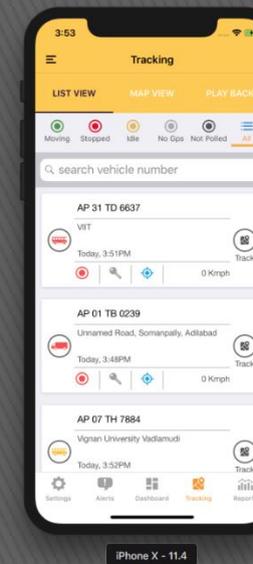
- ❑ IoT Integrations : Harman platform APIs
- ❑ Angular
- ❑ Node.js
- ❑ ASP.NET Web API
- ❑ MS SQL Server
- ❑ Windows



#3: Connected Car

Features

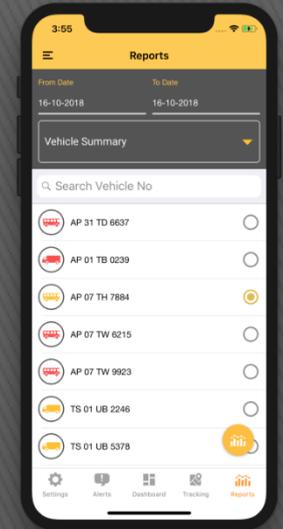
- ❑ Real-Time tracking
- ❑ Historical Activity Reporting
- ❑ Alerts & Event Notifications
- ❑ Dashboards for Vehicle Diagnostics
- ❑ Geo-fencing and Geo-Tagging
- ❑ Driver Behavior Analytics
- ❑ Fleet Maintenance
- ❑ Remote applications
- ❑ Mileage Reporting



iPhone X - 11.4



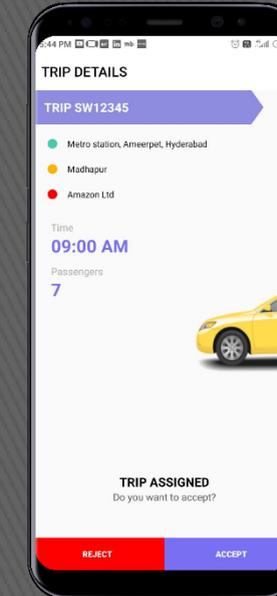
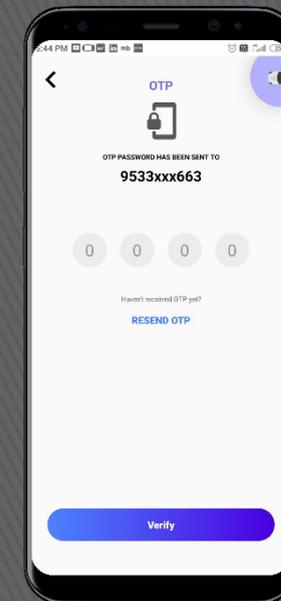
iPhone X - 11.4



iPhone X - 11.4

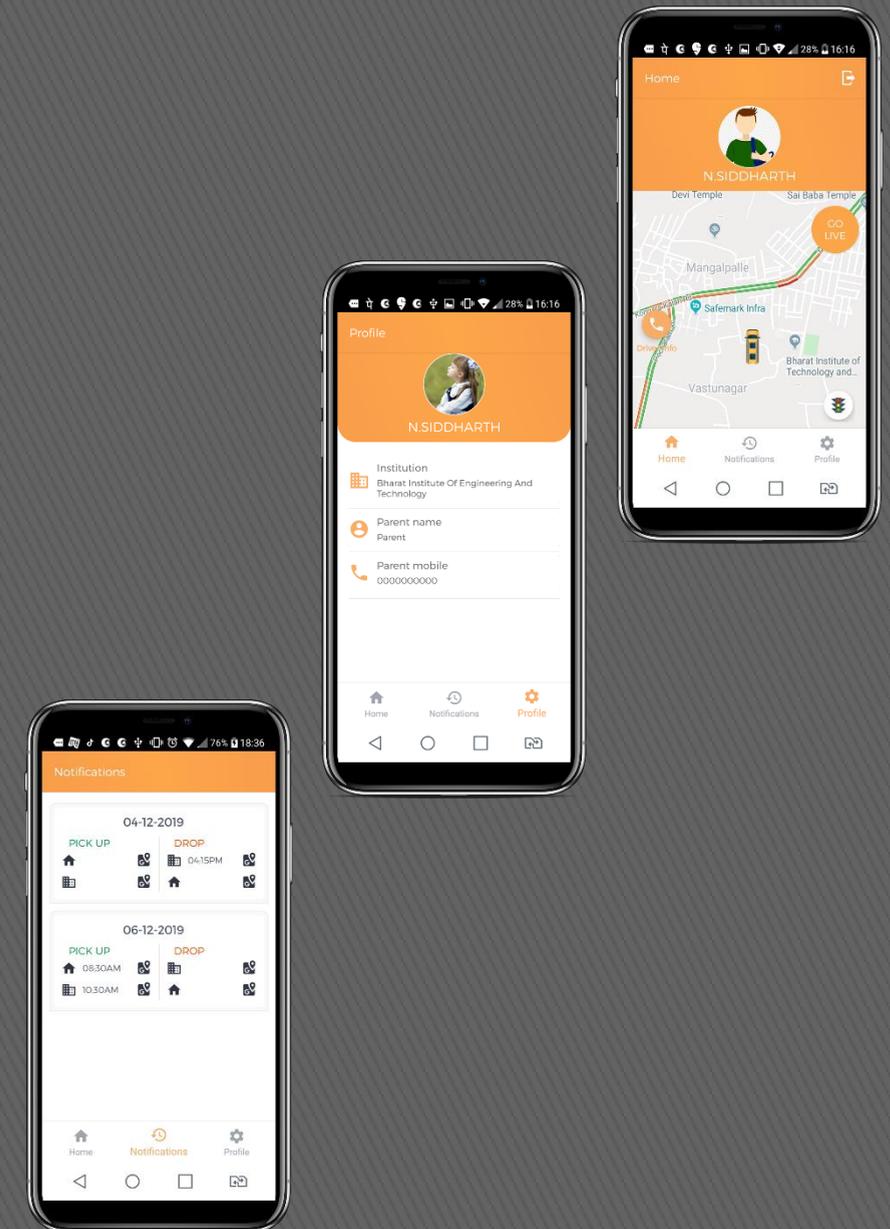
#4: Cab Dispatch System

Features	Technologies
<ul style="list-style-type: none">❑ Cab dispatch system provides vehicle booking and automatic dispatch solution for taxi industry❑ Provided centralized solution for Meru Cabs❑ GPRS network to provide two way communications between taxi drivers and call center❑ Customer Mobile App for Taxi Booking❑ Driver Mobile App for Automated Billing❑ Automatic Dispatch Service for Processing Customer Bookings❑ Announcement of expected time arrival for customers❑ Web Application for CRM & MIS	<ul style="list-style-type: none">❑ WCF Services❑ Windows Services❑ Windows CE App❑ MSMQ❑ ASP.NET❑ MS SQL Server❑ Windows



#5: Student & Bus Tracking System

Features	Technologies
<ul style="list-style-type: none">❑ RFID based application provides the real time attendance as well as messaging system for the school staff and parents❑ GPS tracking systems to school bus helps to track buses in real time basis, improve transport management❑ Improve driving efficiency and provide student safety❑ School Buses fitted with GPS Devices and RFID readers❑ Student Attendance Reporting❑ Integration with School ERP system❑ Parent Mobile app for tracking bus and receiving alert notifications	<ul style="list-style-type: none">❑ Web Services❑ Web APIs❑ Google FCM❑ ASP.NET❑ MS SQL Server❑ Windows



#6: Cargo Transport Management

Features

- ❑ Simplified workflow management for cargo transport experience
- ❑ Automation of order management and asset tracking
- ❑ Provision to enter consignment details along with contractor details and order type
- ❑ Track fleet by order or vehicle
- ❑ Inventory management process
- ❑ Branch, Role and User management
- ❑ Managing orders and revenue branch wise
- ❑ Tracking vehicles using simple android app

Technologies

- ❑ Angular
- ❑ Node.js
- ❑ ASP.NET Core
- ❑ MySQL
- ❑ MongoDB
- ❑ Android
- ❑ iOS
- ❑ Linux
- ❑ Windows



#7: E-Commerce Solution

Features	Technologies
<ul style="list-style-type: none">❑ Client engagement by providing beautiful and logical shopping experience❑ Listing of N number of products by Admin or Vendor❑ Product categories and sub-categories, products can listed under multiple categories❑ Add single or multiple products to the shopping cart❑ Inventory management process❑ Update of price and stock availability❑ Payment gateway processing and order generating❑ Admin dashboard with orders & customers statistics❑ View customers, roles, vendors, product catalogs & reviews, detailed orders, shipments and returns	<ul style="list-style-type: none">❑ ASP.NET MVC❑ Web API❑ MS SQL❑ Android❑ iOS❑ Windows



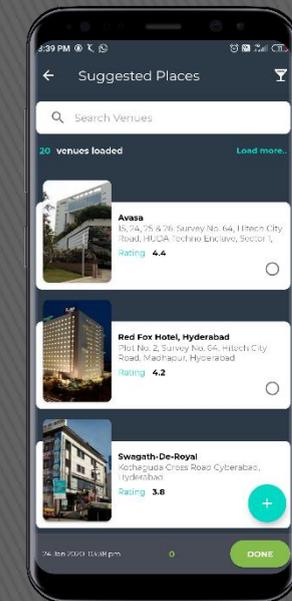
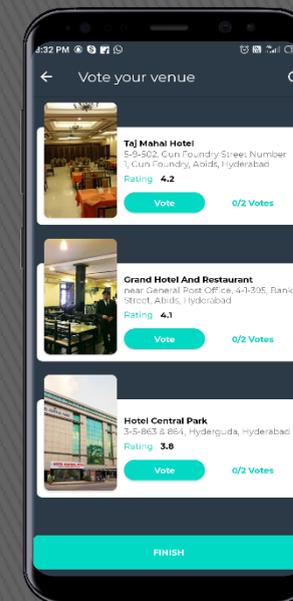
#8: Meeting App

Features

- ❑ Mobile application built for digitalizing a meeting between friends and professionals
- ❑ Create an instant meeting with your friends with a location
- ❑ Let's you host a meeting with your contacts
- ❑ Choose the people or your connections from the list of contacts synced from your mobile
- ❑ Know who are attending and who are not
- ❑ Algorithm chooses the nearest location which can be accessed by all participants
- ❑ Participants can vote for a place & host can decide accordingly
- ❑ Convenient app to save time and have a hassle free way of gathering up for a talk

Technologies

- ❑ Java Spring Boot
- ❑ MongoDB
- ❑ JBoss
- ❑ Android
- ❑ iOS
- ❑ Linux



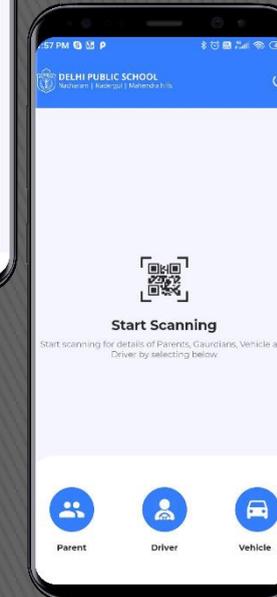
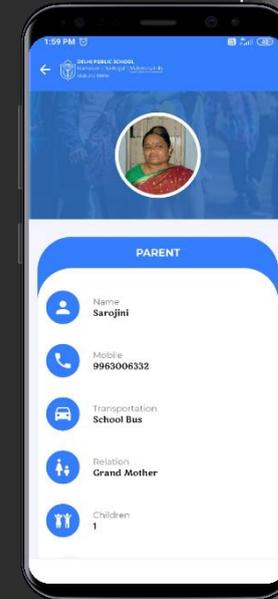
#9: Student Safety Management

Features

- Providing QR code scanning App to make sure that the student is being safely handed over to their respective parents or their drivers
- The school management provides ID cards with unique QR Code for their respective parents, drivers and for pooling vehicles
- The QR scan module will be mapped for that particular student which is synced with the school's ERP database
- Mobile app integrated with secure cloud API to access QR mapping details
- Security personnel scans the parents, drivers and vehicles QR code to make sure that the parent or driver is matching with the student mapping

Technologies

- ❑ Angular
- ❑ Node.js
- ❑ MongoDB
- ❑ Nginx
- ❑ Android
- ❑ Linux



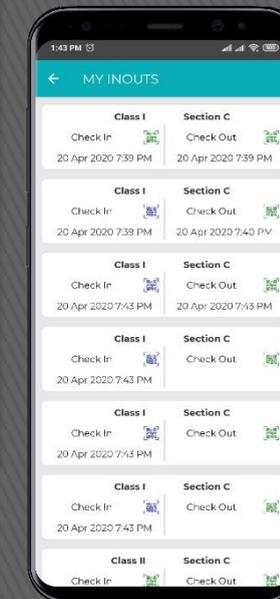
#10: Teacher Attendance System

Features

- ❑ Capture teacher class check-in & check-out timings digitally by providing QR scanner mobile app
- ❑ Automated class room attendance management
- ❑ Teacher attendance comparison against roster
- ❑ Branch, Role and User Management
- ❑ Class Master with Section wise unique QR Code templates
- ❑ Employee sign in with passcode for authentication
- ❑ Dashboard and reports for attendance monitoring

Technologies

- ❑ Angular
- ❑ Node.js
- ❑ MongoDB
- ❑ Nginx
- ❑ Android
- ❑ Linux



#11: Visitor Management App

Features	Technologies
<ul style="list-style-type: none">❑ Smart Visitor Management App enables speeding up the guest check in process❑ Know your visitors who is entering your office premises❑ Unique QR code in the visitor ID card enables easy check-in process❑ Security team sends visitor request online to employee❑ App notifies the hosts through App notification on the arrival of their visitors❑ Host can accept or decline their visitor request❑ Visitor logs can be tracked through dashboard and reports	<ul style="list-style-type: none">❑ Angular❑ Node.js❑ MongoDB❑ Nginx❑ Android❑ Linux



#12: Major IoT Platforms Integrations Harman & JioTelematics

Features

- ❑ Integration of IoT platform APIs with custom web and mobile applications
- ❑ Design and development of custom Web APIs and integrate with 3rd party vendor applications
- ❑ Generate customized dashboard widgets, responsive charts, reports
- ❑ Google Map APIs integrations
- ❑ Integrate with messaging services like SMS, Email and Google FCM
- ❑ Intuitive and responsive UI/UX design as per User's journey / flow
- ❑ Driver behavior analysis and scorecards
- ❑ Fleet behavior analysis and classify the vehicle utilization

Technologies

- ❑ Angular
- ❑ Node.js
- ❑ Java
- ❑ .NET Core
- ❑ MongoDB
- ❑ Cassandra
- ❑ MySQL
- ❑ Android
- ❑ Linux
- ❑ Python
- ❑ Jupyter Notebook
- ❑ Spyder
- ❑ PySpark
- ❑ PyCharm



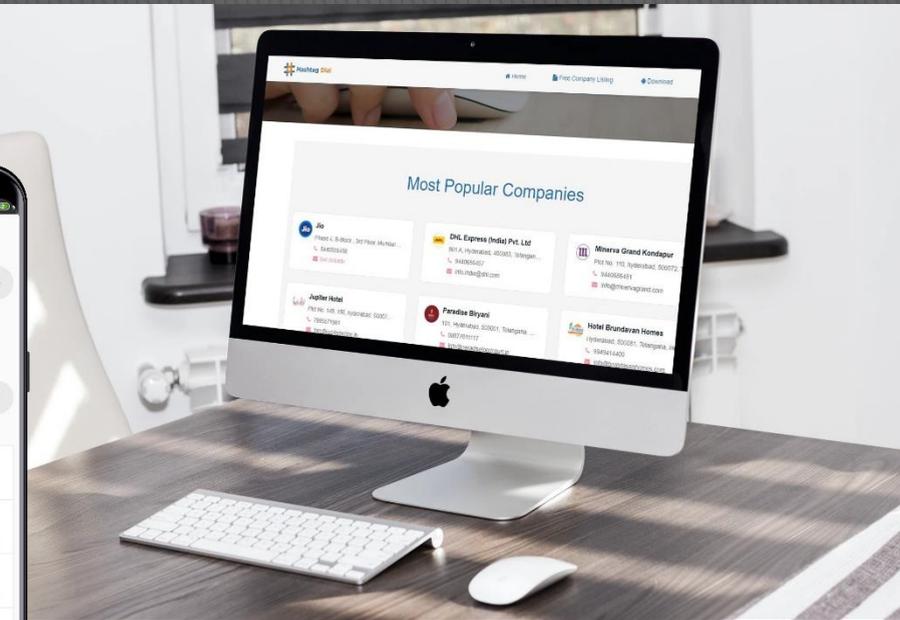
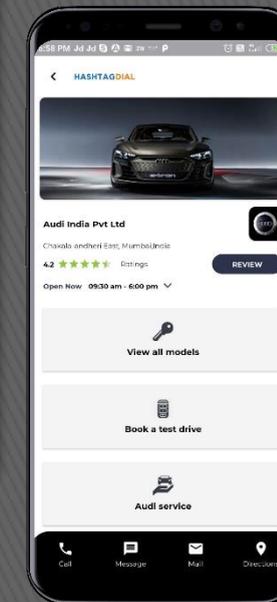
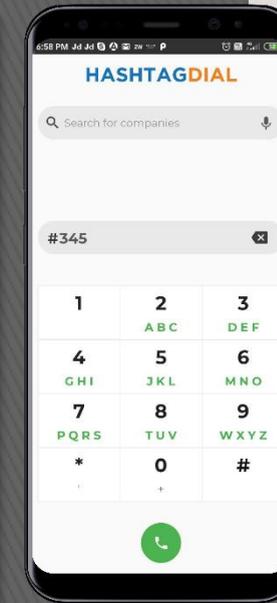
#13: Hashtag Dial App

Features

- Hashtag Dial app provides a unique app-in-app solution to B2B and B2C markets, open multiple mobile apps for its customer by simply using mobile dial pad with #number / #name / #Code
- Dial # with nickname or code to open company app
- Advanced text & voice search options to match with registered company / business / service / product
- Design dynamic and custom templates like colour schemes, backgrounds for each business that is enrolled for the service
- App allows consumers to choose a brand-name or nickname by simply tapping #key followed by the selected name using keypad letters, e.g. to open ICICI app with in #Dial app type #42424 and hit dial

Technologies

- Angular
- Node.js
- ASP.NET Core
- MongoDB
- Elasticsearch DB
- Android
- Linux



#14: ERP Implementation & Support services

SERVICES

- ❑ Your concerns on enterprise resource planning implementation is our responsibility.
- ❑ Certified Expert ERP implementation consultant to get you what you want, in the way you need it.
- ❑ We partnered with the leading enterprise ERP and CRM providers to offer optimal enterprise implementation, integration, and intelligence solutions for your organization
- ❑ Proven software deployment strategies, methodologies and tools.
- ❑ Maximizes your ROI with Expert Guidance ,assured quality and timely supply

SOLUTIONS

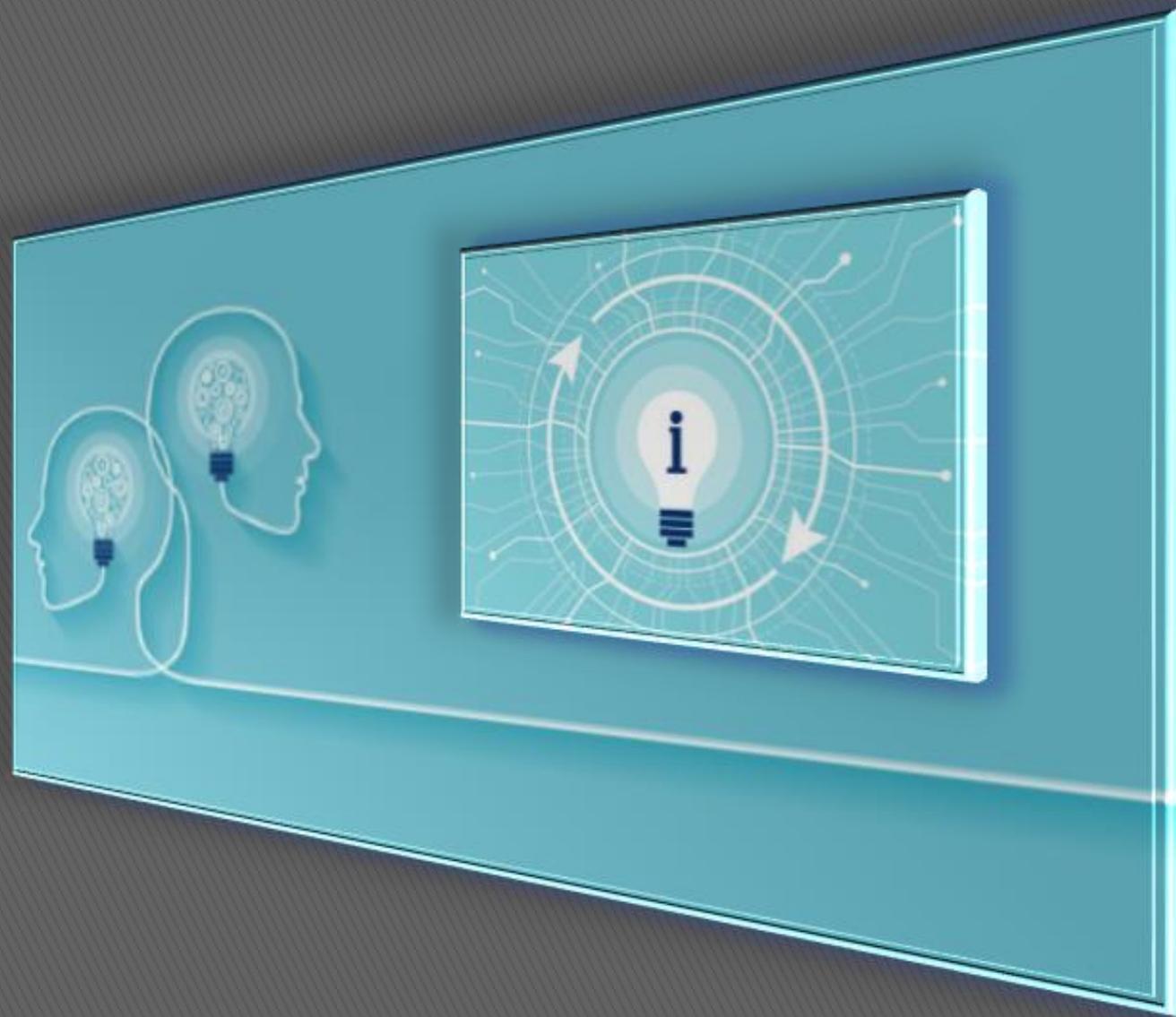
- ❑ **Microsoft Dynamics**
- ❑ **EPICOR**

- ❑ **Vertical Industries**
 - ❑ **Trading & Distribution**
 - ❑ **Manufacturing**
 - ❑ **Retail**



#15: Customized ERP Development & Support services

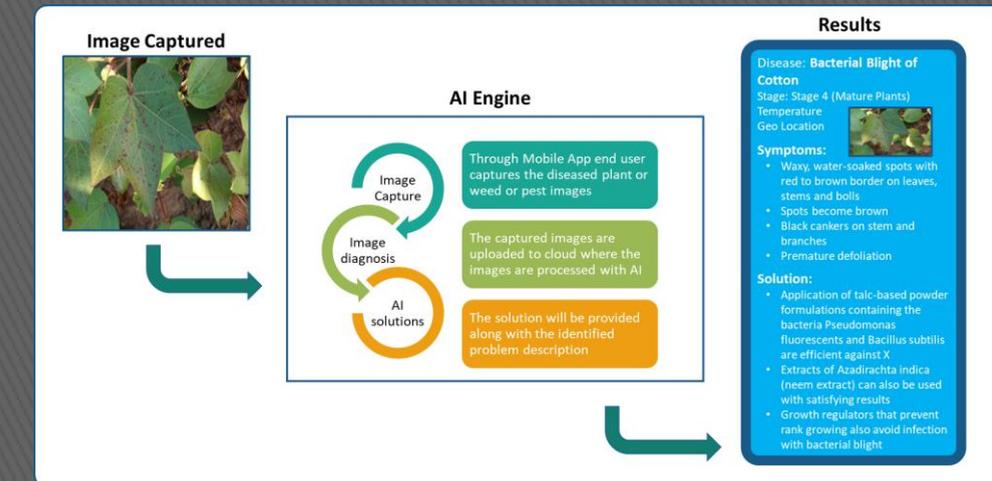
- ❑ Our team of ERP specialists works with your team to better understand your business needs to come with a customized ERP implementation strategy.
- ❑ We deeply analyze your specifications, and before developing the right solution, we identify both requirements and problem areas for arriving at the right package for your needs.
- ❑ Our team works towards developing flexible and personalized ERP solutions to meet your unique business needs.
- ❑ We also offer integration service that integrates your ERP with other third-party applications, including CRM and e-commerce.
- ❑ We enable you to share real-time data across your entire organization.



AI Solutions

#1: Digital Farming

Features	Technologies
<ul style="list-style-type: none">❑ Artificial Intelligence based program to identify the problems related to various stages of cotton plant. Suggest best action plan to farmers for plant diseases❑ Deep Learning Models to Classify Plants, Diseases, Weeds, Pests and suggest effective measures to predict crop damage❑ Identify problems related to seed germination, leaf spots and diseases in plants❑ Identify Growth/No-growth and Classify weeds❑ Provide solutions to diseases with action plan❑ Similarly can train the model for various crops	<ul style="list-style-type: none">❑ Data Science (2)<ul style="list-style-type: none">❑ Python❑ Frameworks - TensorFlow, Keras, OpenCV❑ Deep Learning Models - Convolutional Neural Networks (CNN)❑ MS SQL (1)❑ PowerBI (1)



#3: Retail Analytics

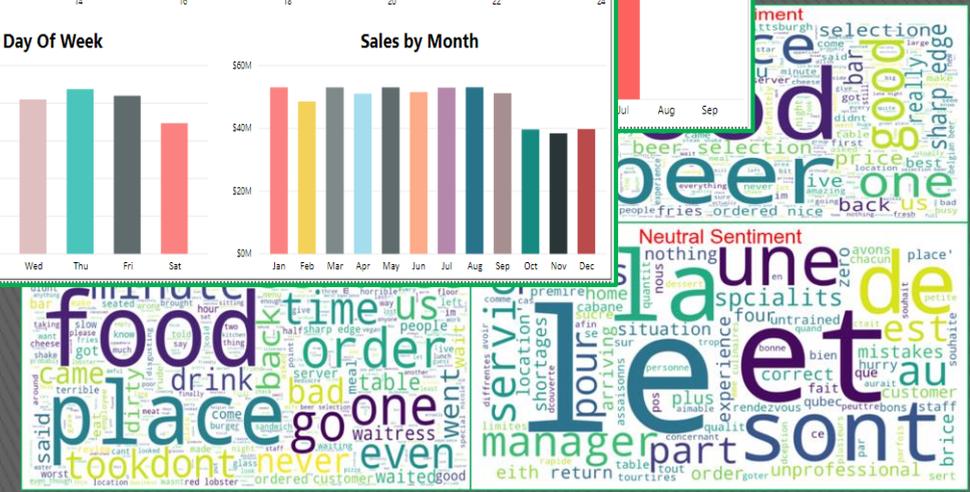
Features	Technologies
<ul style="list-style-type: none"> ❑ Sale Forecasting ❑ Demand Forecasting ❑ Inventory Management ❑ Product Performance Comparison ❑ Market Basket Analysis ❑ Personalized Offers ❑ Price Optimization ❑ Customer Sentiment Analysis 	<ul style="list-style-type: none"> ❑ Data Science (2) <ul style="list-style-type: none"> ❑ Python ❑ Frameworks - TensorFlow, Keras ❑ ML/DL Models – LSTM, RNN, Aprori, NLP ❑ MS SQL (2) ❑ PowerBI (2)



Market Basket Analysis

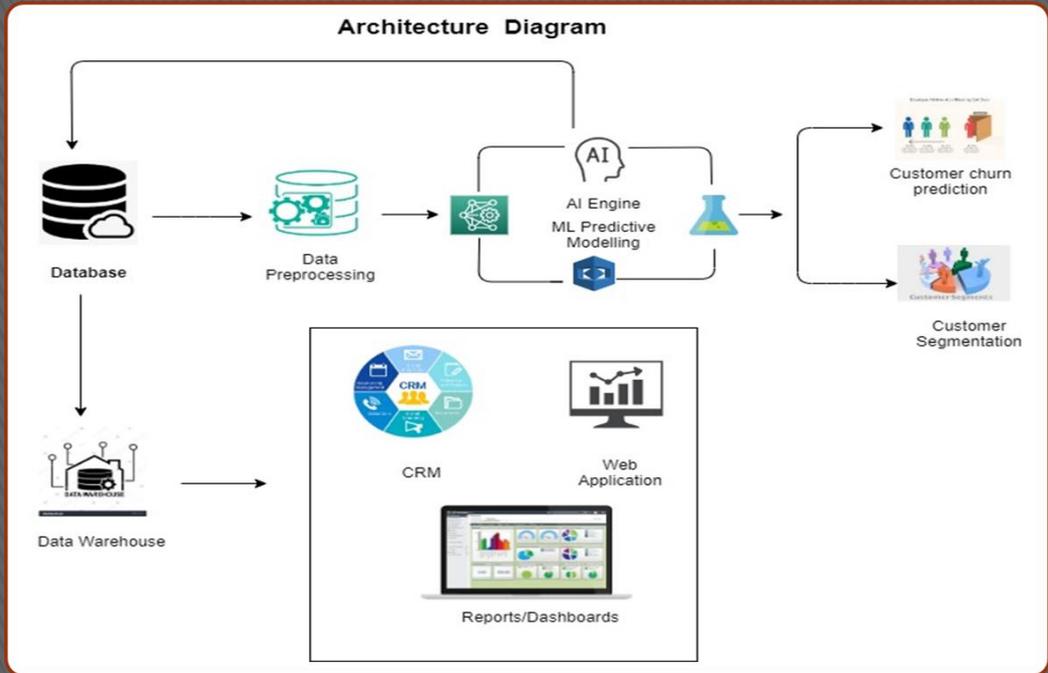
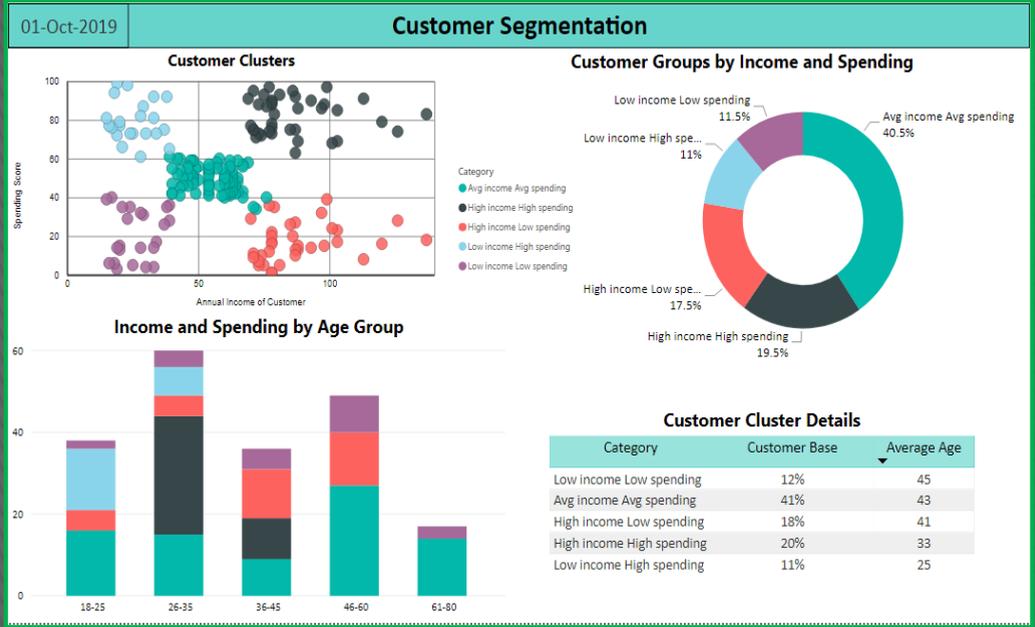
01-Oct-2019

Item Base	Item Add	Confidence	Lift	Item Set
Cake, Soup	Tea	0.43	3.00	Tea, Cake, Soup
Spanish Brunch, Coffee, Bread	Sandwich	0.22	3.03	Spanish Brunch, Sandwich, Coffee, Bread
Smoothies	Sandwich	0.22	3.07	Smoothies, Sandwich



#4: Customer Churn

Features	Technologies
<ul style="list-style-type: none"> ❑ Predict the customers who are likely to Churn with probability ❑ Reports and Dashboards with real time analytics on the existing customers ❑ To target potential customers with relevant market strategies to increase sales ❑ Recommendation system for the customers 	<ul style="list-style-type: none"> ❑ Data Science (2) <ul style="list-style-type: none"> ❑ Python ❑ Frameworks - TensorFlow, Keras ❑ ML/DL Models – Naïve Bayes, Decision tree, K –Means (Clustering) ❑ MS SQL (1) ❑ PowerBI (1)



Our expertise

- ❑ Custom Web Applications
- ❑ Native Mobile Apps
- ❑ Scalable Enterprise solutions
- ❑ Telematics Applications
- ❑ IoT Solutions
- ❑ Data Engineering, Big Data and Data Mining
- ❑ Machine Learning and Deep Learning
- ❑ Statistical Modelling and Predictive Analytics
- ❑ Business Intelligence, Data Warehousing and Data Visualizations
- ❑ Global presence & adoption of best practices
- ❑ SW & Service – Single window approach
- ❑ End to end support – from conceptualization to operations maintenance



Technology Stack

- ❑ Asset Telematics team consists of qualified consultants, software engineering professionals, technical consultants, graphic designers, developers, and project managers
- ❑ Team has helped companies in the digital world and successfully established trust with our brand.
- ❑ We provide custom web applications, mobile apps and database development, offer services using various technologies and platforms





Thank You!

www.assettl.com

info@assettl.com