An ISO 9001:2008 Certified Company

Complete Power packed Telematics solution for Tracking and Monitoring for Educational Institutions

Vehicle Tracking Solutions Under One Roof

www.itriangle.in
Advanced Vehicle Tracking & Monitoring Software Application Features For Educational Institutions and Employee Transport
Executive Summary

**Geography**
A Bangalore, India, based Company.

**Company Inception**
Commenced operations in February 2009.

**Core Competence**
Engaged in Design, Development in the domains of GPS, GIS, Mobile Applications, RFID, Web Based Enterprise Applications.

**Manufacturing**
Manufacturing of GPS-GSM-RFID-Sensor based Tracking and Monitoring Systems.

**Research**
A Full Fledged R & D wing with a dedicated team of qualified professionals.

**Services**
End to End Solution Providers in the field of Telematics that includes hardware, software and cloud/mobile based applications for various domains, Technology Consulting Services.
OUR VISION
To be a vibrant company, providing quality and efficient service to customers and a rewarding experience to its employees.

OUR MISSION
We will develop products and provide services that will have a Strong Social Impact and would improve the quality of Human Life. From a business perspective, our products/services will help our clients get a better control over their business and make a positive impact to their bottom-line.
Economy
The Transportation and the Logistics industry play a critical role in shaping and improving a Country’s economy. Efficient Operations will lead to higher productivity and higher revenues.

Productivity
GPS-GSM-RFID based solutions will help Companies to effectively track and monitor the movement and the status of their fleet on a real time basis and there by reduce mal practices, wastage, and thus improve productivity and security.

Benefit
The ability to provide Safety, Security and Productivity has made the GPS-GSM-RFID based products and services an integral part of the managing process of the Fleet in any organisation which intends to derive maximum benefit from their assets.

Recommended
We are moving to a situation where it is going to be mandatory for all the Vehicles that are being used for a commercial purpose should have a GPS based tracking device fitted into them.
## Market Opportunities

### Telematics & IoT ($15B)

#### Existing Products
- Fleet Management Systems
- Connected Car (OBD II)
- Taxi Rental Aggregator App
- Analytics and Modelling
- Usage Based Insurance

#### Upcoming Products (next 3-6 months)
- Connected Taxi Rental
- Analytics and Modelling
- Usage Based Insurance

#### Roadmap
- Personal Tracking and Safety
- Wearable Health Monitoring
- Mobile Data Terminal

### Automotive ($300M**)

#### Existing Products
- Fleet Management Systems
- Connected Car (OBD II)
- Taxi Rental Aggregator App
- Analytics and Modelling
- Usage Based Insurance

### Global IoT Healthcare ($162B***)

#### Geographies Served

#### Customers

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**6W Research, [India Telematics Market (2014 – 2021) Market Forecast](http://www.indiantelematics.com/)


Hardware Product Offerings

Vehicle/Asset Tracking and monitoring:

**aQuila S101**
Vehicle Tracking and Monitoring System

**aQuila TS101**
GPS - GSM - RFID Based Vehicle Tracking & Fleet Management System

**aQuila U101**
Sleek, Small, but Powerful & Performance Driven power packed GPS - GSM - SENSOR Based Vehicle Tracking & Fleet Management System with CAN and KWP *

*Optional, available on extra cost

We have developed a next generation GPS tracking platform on which a variety of products for different markets like transportation, asset tracking, geographical data acquisition, fleet management etc can be developed. The technology involves GPS, GSM, RFID and various sensors with web based control, tracking, and monitoring facilities on a Google map interface. It’s even possible to acquire data pertaining to the remote entities to which the tracker device is attached.

By extending the platform, we have developed a complete vehicle and fleet management solution in the brand name of aQuila Track, loaded with a complete range of applications and features that increases the business efficiency, productivity and the bottom-line of our Customers.
Vehicle Tracking and Monitoring Software Application Features designed for Educational Institutions

www.aquilatrack.com
## Vehicle Tracking and Monitoring System

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interactive Dashboard</td>
<td></td>
</tr>
<tr>
<td>View Vehicle on Map</td>
<td></td>
</tr>
<tr>
<td>Current Summary</td>
<td></td>
</tr>
<tr>
<td>Live Tracking</td>
<td></td>
</tr>
<tr>
<td>Locate Vehicles</td>
<td></td>
</tr>
<tr>
<td>Travel Replay</td>
<td></td>
</tr>
<tr>
<td>History Tracking</td>
<td></td>
</tr>
<tr>
<td>MIS Reports</td>
<td></td>
</tr>
<tr>
<td>Account Management</td>
<td></td>
</tr>
<tr>
<td>Group Vehicles</td>
<td></td>
</tr>
<tr>
<td>Driver Registration &amp; Management</td>
<td></td>
</tr>
<tr>
<td>Over Speed Limit</td>
<td></td>
</tr>
<tr>
<td>Geo-Fence settings</td>
<td></td>
</tr>
<tr>
<td>Alert Management</td>
<td></td>
</tr>
<tr>
<td>Configure Email/SMS alerts for Panic button, A/c status, Halt &amp; Stop, Geo-fence violation and Over speed alerts</td>
<td></td>
</tr>
</tbody>
</table>
View Vehicles on Map
### Current Summary (Vehicle Snapshot)

#### Dashboard

<table>
<thead>
<tr>
<th>Vehicle</th>
<th>Driver Name</th>
<th>Start Time</th>
<th>Start Location</th>
<th>Last Known Location</th>
<th>Speed</th>
<th>Fuel Meter</th>
<th>Distance</th>
<th>Battery</th>
<th>Vehicle Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>KA41B306</td>
<td>KA41B306</td>
<td>07:02:24</td>
<td>29th Main, D-Group Layout, Srigandale Kaval, Annappurmeswari Nagar, Bengaluru, Karnataka 560093, Ind</td>
<td>29th Main, D-Group Layout, Srigandale Kaval, Annappurmeswari Nagar, Bengaluru, Karnataka 560093, Ind</td>
<td>0</td>
<td>19.8</td>
<td>32.8</td>
<td>Halt Duration</td>
<td>03:08:52</td>
</tr>
<tr>
<td>KA41B310</td>
<td>KA41B310</td>
<td>12:15:16</td>
<td>29th Main, D-Group Layout, Srigandale Kaval, Annappurmeswari Nagar, Bengaluru, Karnataka 560091, Ind</td>
<td>29th Main, D-Group Layout, Srigandale Kaval, Annappurmeswari Nagar, Bengaluru, Karnataka 560091, Ind</td>
<td>0</td>
<td>15.9</td>
<td>37.0</td>
<td>Halt Duration</td>
<td>03:08:52</td>
</tr>
</tbody>
</table>
Live Tracking
Locate Vehicles
### Route Information

<table>
<thead>
<tr>
<th>Start Time</th>
<th>End Time</th>
<th>Start Location</th>
<th>End Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>190117</td>
<td>15:36:27</td>
<td>Unnambadi Road, Sai Nagar, Hubli, Karnataka 580002, India</td>
<td>State Highway 86, Karnataka 581349, India</td>
</tr>
</tbody>
</table>

**Travel Information**

![Map of Hubli area, showing various locations and routes.](image-url)
Tracking History
Geo Tagging (Point of Interest)

Fleet Management System

Adding Contents in Location Table

<table>
<thead>
<tr>
<th>No.</th>
<th>Location</th>
<th>Latitude</th>
<th>Longitude</th>
<th>Radius</th>
<th>Alert Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Itriangle Infotech Pvt Ltd, Bhiwadi 12.9624118804832</td>
<td>77.5340423563984</td>
<td>0.04</td>
<td>0.08</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Orion Mall, Bengaluru, Karsli 13.010917</td>
<td>77.6498</td>
<td>0.1</td>
<td>0.0</td>
<td></td>
</tr>
</tbody>
</table>

Submit  Cancel

Rows: Add  Remove

User: Aquila | Register Complaint | Logout
Install GPS/GSM based U101 aQuiLa Vehicle Tracking & Management System in the School Bus.

Install RFID based Attendance System in the respective School Buses (Optional with extra cost)

Assign the routes of the vehicle.

Make a list of students boarding and Alighting Points or Pick up or Drop Points.

Update the student database along with the parents mobile no.

Issue RFID based Cards to each student travelling in the bus. The student has to necessarily swap the card before boarding the bus and after alighting the bus (applicable only if RFID facility is opted for).

Collect Mobile Phone numbers of all the parents.

Program SMS alerts to the parents based on

(a) When the bus leaves the school/parking point to pickup the students

(b) When the bus reaches the school

(c) When the bus leaves the school to drop the students back home.

(d) When the RFID card is swiped
**SMS based Employee/Student Information System** (Specially designed for Educational Institutions)

- You can create bus stops, passengers/students/teachers, routes etc.
- By assigning route and stop to passengers/students/teachers, it will enable the system to generate automatic alert SMS when the bus has started from school or reached school etc.
- SMS generation to each individual/parent/client during any events if required.
- Can be customized as per the requirements.
- Passengers/students/teachers are informed in advance about the schedules of the bus/taxi etc.
- Through a RFID based Attendance System, we can actually record the boarding and alighting of a particular student/teacher and also generate an SMS alert to predefined mobile phones of parents etc.

**SMS Templates**

1. Dear Parents, The School bus <Vehicle No> has left for pick up. Pl keep your ward ready- <School Name>, <Date Time>
2. Dear Parents, The School bus <Vehicle No> carrying your ward has reached the School safely- <School Name>, <Date Time>
3. Dear Parents, The School bus <Vehicle No> has left the School for dropping your ward- <School Name>, <Date Time>.

**SMS Templates with RFID solution**

1. Your ward< Child Name> has been picked up from <stop name > at <Time> - <School Name>
2. Your ward< Child Name> has been dropped at <stop name > at <Time> - <School Name>
# Student database Integration - Manage Student /Staff

## Driver Registration

![Driver Registration](image)

### Fleet Management System

**ISO 9001 : 2008 Certified**

**Driver Management**

<table>
<thead>
<tr>
<th>No.</th>
<th>First Name</th>
<th>Contact No.</th>
<th>License No.</th>
<th>PAN</th>
<th>Status</th>
<th>Edit Driver Info</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Krishna K</td>
<td>95355996000</td>
<td>147070</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Rakesh R</td>
<td>95355996000</td>
<td>123456</td>
<td>KA 53 B 5351</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Shashi</td>
<td>95355996000</td>
<td>4343</td>
<td>KA 53 B 1430</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Shifu</td>
<td>95355996000</td>
<td>323222</td>
<td>KA 53 B 1433</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Records 1-4 of 4**

[Edit Driver Info]
## Manage Student / Staff

### Fleet Management System

ISO 9001 : 2008 Certified

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### Student / Staff Details

<table>
<thead>
<tr>
<th>No</th>
<th>Name</th>
<th>Gender</th>
<th>Department</th>
<th>RFID</th>
<th>Contact No</th>
<th>Email ID</th>
<th>Type</th>
<th>Pick up Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>Aveni Amit</td>
<td>Female</td>
<td>Student</td>
<td>123490</td>
<td>9731222251</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Nagarabhavi Main Road, Mananth Nagar, Attiguppe</td>
</tr>
<tr>
<td>193</td>
<td>Aditi A</td>
<td>Female</td>
<td>Student</td>
<td>123824</td>
<td>9901177885</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Deepa Complex, Kengeri Main Road, Papanendri</td>
</tr>
<tr>
<td>64</td>
<td>Aishwarya C P</td>
<td>Female</td>
<td>Student</td>
<td>123570</td>
<td>9845323306</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Rpe Layout</td>
</tr>
<tr>
<td>110</td>
<td>Alankshya M Bhat</td>
<td>Female</td>
<td>Student</td>
<td>123872</td>
<td>9242455502</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>NGEF Layout Nagarabhavi 1</td>
</tr>
<tr>
<td>103</td>
<td>Alisha Vidy Thanduri</td>
<td>Male</td>
<td>Student</td>
<td>123646</td>
<td>9535919442</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Giddalonnahalli</td>
</tr>
<tr>
<td>60</td>
<td>Amohini</td>
<td>Female</td>
<td>Student</td>
<td>122617</td>
<td>9945456791</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Malathalli RTO Office, Railway Men Empoyloyee</td>
</tr>
<tr>
<td>217</td>
<td>Amogh</td>
<td>Male</td>
<td></td>
<td>12279</td>
<td>9945775602</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Marypappana Path, Gana Bharathi, Bengaluru</td>
</tr>
<tr>
<td>40</td>
<td>Amogh H</td>
<td>Male</td>
<td>Student</td>
<td>123528</td>
<td>9945969331</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Pillappana Katte, Koremangal Nagar, Hegganah</td>
</tr>
<tr>
<td>3</td>
<td>Amrutha</td>
<td>Female</td>
<td>Student</td>
<td>122460</td>
<td>9008632027</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>empl</td>
<td>Marenahalli, Stage 2, Vijayanagar, Bengaluru, Kc</td>
</tr>
<tr>
<td>100</td>
<td>Amrutha S</td>
<td>Male</td>
<td>Student</td>
<td>123794</td>
<td>9008632027</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>MPM Layout, ITI Employees Layout, Armapurme</td>
</tr>
<tr>
<td>59</td>
<td>Ananya R Kabbadi</td>
<td>Female</td>
<td>Student</td>
<td>123580</td>
<td>8844982396</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Janapriya Bharat Enclave, Magadi Main Road, P</td>
</tr>
<tr>
<td>162</td>
<td>Arthana Kartik</td>
<td>Female</td>
<td>Student</td>
<td>123794</td>
<td>9844196961</td>
<td><a href="mailto:agasthya.vidyanketh@gmail.com">agasthya.vidyanketh@gmail.com</a></td>
<td>student</td>
<td>Dubaspalaya</td>
</tr>
</tbody>
</table>
## Add Student / Staff

### Add Student / Staff Form

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client Name</td>
<td>keshav</td>
</tr>
<tr>
<td>First Name</td>
<td>Michael</td>
</tr>
<tr>
<td>Lastname</td>
<td>Jackson</td>
</tr>
<tr>
<td>Gender</td>
<td>Male</td>
</tr>
<tr>
<td>Department</td>
<td>Office</td>
</tr>
<tr>
<td>Date of Addition</td>
<td>2013-11-17</td>
</tr>
<tr>
<td>Phone(mobile)</td>
<td>7760231888</td>
</tr>
<tr>
<td>Email ID</td>
<td><a href="mailto:michael@gmail.com">michael@gmail.com</a></td>
</tr>
<tr>
<td>RFID No.</td>
<td>74859</td>
</tr>
<tr>
<td>Type</td>
<td>Student</td>
</tr>
<tr>
<td>Designation</td>
<td>3rd Std</td>
</tr>
<tr>
<td>Status</td>
<td>Active</td>
</tr>
<tr>
<td>Address</td>
<td>Near Yeshwantpur Railway Station</td>
</tr>
<tr>
<td>Pickup / Drop Point</td>
<td>1st Pickup Point</td>
</tr>
</tbody>
</table>
SMS History

---

### General SMS History

<table>
<thead>
<tr>
<th>No</th>
<th>Time</th>
<th>Vehicle No</th>
<th>Student Name/Id</th>
<th>Contact No</th>
<th>Route Name</th>
<th>Message</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>07:45:32</td>
<td>KA418315</td>
<td>Jayanth K K R</td>
<td>904529273</td>
<td>Pickup 1 0135</td>
<td>Dear Parents, Vehicle KA418315 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>1</td>
<td>07:11:12</td>
<td>KA417387</td>
<td>Ashwin Ashwinra</td>
<td>9845323306</td>
<td>Pickup 1 7350</td>
<td>Dear Parents, Vehicle KA417387 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>3</td>
<td>07:57:14</td>
<td>KA50-8730</td>
<td>Divin Mathapish</td>
<td>966331654</td>
<td>KA 50 0730</td>
<td>Dear Parents, Vehicle KA50-8730 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>4</td>
<td>07:44:19</td>
<td>KA50-8730</td>
<td>Niharika G G</td>
<td>8122712420</td>
<td>KA 50 0730</td>
<td>Dear Parents, Vehicle KA50-8730 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>5</td>
<td>07:27:17</td>
<td>KA50-8730</td>
<td>Yashaswini G G</td>
<td>8722118354</td>
<td>KA 50 0730</td>
<td>Dear Parents, Vehicle KA50-8730 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>6</td>
<td>07:12:43</td>
<td>KA50-8730</td>
<td>Lavanya K</td>
<td>8105836649</td>
<td>KA 50 0730</td>
<td>Dear Parents, Vehicle KA50-8730 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>21</td>
<td>07:33:34</td>
<td>KA418315</td>
<td>Sayam Karthik</td>
<td>9844198961</td>
<td>Pickup 1 0135</td>
<td>Dear Parents, Vehicle KA418315 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>20</td>
<td>07:43:32</td>
<td>KA418315</td>
<td>Nirmalata S M</td>
<td>990957665</td>
<td>Pickup 1 0135</td>
<td>Dear Parents, Vehicle KA418315 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>19</td>
<td>07:31:35</td>
<td>KA418315</td>
<td>Likhith C N</td>
<td>9738140043</td>
<td>Pickup 1 0135</td>
<td>Dear Parents, Vehicle KA418315 will reach your pickup point shortly.</td>
</tr>
<tr>
<td>17</td>
<td>07:33:31</td>
<td>KA418315</td>
<td>Sayam Karthik</td>
<td>9844198961</td>
<td>Pickup 1 0135</td>
<td>Dear Parents, Vehicle KA418315 will reach your pickup point shortly.</td>
</tr>
</tbody>
</table>
Adding Department

### Department / Grade

<table>
<thead>
<tr>
<th>No</th>
<th>Department / Grade Name</th>
<th>Edit/Delete</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Office</td>
<td></td>
</tr>
</tbody>
</table>
### Parents Login Creation

#### Fleet Management System

ISO 9001 : 2008 Certified

**Track Vehicle(s)** | **Geo Fencing** | **Manage Student/Staff** | **Manage Account** | **Manage Location** | **Reports** | **Manage Trips** | **Android App**

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**Create Parents Login**

Parents Name: [Input Field]

Create Login

---

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Gender</th>
<th>ID No.</th>
<th>Contact No.</th>
<th>Pick-up Address</th>
<th>Assign Status</th>
<th>Sex</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Shrpprana Kumble</td>
<td>Female</td>
<td>123487</td>
<td>9901072087</td>
<td>Pickup Not Assigned</td>
<td>Not Assigned</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Vedika Sree Gowda</td>
<td>Female</td>
<td>123488</td>
<td>7486198888</td>
<td>Pickup Not Assigned</td>
<td>Not Assigned</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Avani Amit</td>
<td>Female</td>
<td>123490</td>
<td>9731222251</td>
<td>Pickup Not Assigned</td>
<td>Not Assigned</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Harshik M R</td>
<td>Male</td>
<td>123493</td>
<td>9901020636</td>
<td>Pickup Not Assigned</td>
<td>Not Assigned</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Jashweth</td>
<td>Male</td>
<td>123495</td>
<td>9045622348</td>
<td>Pickup Not Assigned</td>
<td>Not Assigned</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Bharghav</td>
<td>Male</td>
<td>123497</td>
<td>9880177773</td>
<td>Pickup Not Assigned</td>
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<td>19</td>
<td>Hitesh G Gowda</td>
<td>Male</td>
<td>123498</td>
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<td>20</td>
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<td>123499</td>
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<tr>
<td>21</td>
<td>Shakti Vishwakarma</td>
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<td>123500</td>
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<tr>
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<td>Nihalini</td>
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<td>Male</td>
<td>123502</td>
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<td>24</td>
<td>Grahha Sendeep</td>
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<td>9731533011</td>
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<td>25</td>
<td>M J Rajajw Pratham</td>
<td>Male</td>
<td>123504</td>
<td>6736781166</td>
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<td>26</td>
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<td>Female</td>
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<td>9900249141</td>
<td>Pickup Not Assigned</td>
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Records 1-50 of 219

**Next**
Over Speed Limit

---

**Fleet Management System**

ISO 9001 : 2008 Certified

---

**Speed Limit Info**

<table>
<thead>
<tr>
<th>No</th>
<th>VLPN</th>
<th>Over Speed Limit</th>
<th>Edit Speed Limit</th>
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<tr>
<td>10</td>
<td>KA 25 F 9059</td>
<td>80</td>
<td>[Edit]</td>
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<td>2</td>
<td>KA 25 F 9060</td>
<td>60</td>
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<td>11</td>
<td>KA 20 F #34</td>
<td>62</td>
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<tr>
<td>18</td>
<td>KA23F1830</td>
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<td>[Edit]</td>
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<td>25</td>
<td>KA23F02024</td>
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<td>[Edit]</td>
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<td>5</td>
<td>KA22F070</td>
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<td>[Edit]</td>
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<td>13</td>
<td>KA23F0668</td>
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<td>[Edit]</td>
</tr>
</tbody>
</table>

Download Aquila Android App from Google play store.

Now, get your vehicle’s location by sending a simple SMS for more details. Click here.
## Halt SMS Settings

### Fleet Management System

[Log in to Fleet Management System](#)

<table>
<thead>
<tr>
<th>No</th>
<th>Vehicle No</th>
<th>Start Time</th>
<th>End Time</th>
<th>Phone No 1</th>
<th>Phone No 2</th>
<th>Excluded List</th>
<th>Enable Disable</th>
</tr>
</thead>
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**Records 1-6 of 6 total**

[Configure](#)  [Cancel](#)
Location Customization

Location info

Location Created Successfully...

<table>
<thead>
<tr>
<th>No</th>
<th>Date</th>
<th>Location ID(View/Edit)</th>
<th>Location Name(Edit)</th>
<th>Assign Location</th>
<th>Create Location</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>2016-11-02</td>
<td>LOC-02</td>
<td>Loc 1</td>
<td>ASSIGN</td>
<td>CREATE</td>
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ADD NEW LOCATION

Records 1-1 of 1
reset

7 Entries Per Page  Page 2 of 2
## MIS Reports

<table>
<thead>
<tr>
<th>Basic Reports</th>
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<tbody>
<tr>
<td>1. Daily Report</td>
</tr>
<tr>
<td>3. Speed Report</td>
</tr>
<tr>
<td>4. Halt Stop Report</td>
</tr>
<tr>
<td>5. Fuel Graph and Fuel Consumption report (Optional)</td>
</tr>
<tr>
<td>6. Login Logout Report (Optional) *</td>
</tr>
<tr>
<td>7. Attendance Report *</td>
</tr>
<tr>
<td>8. Geo fence violation Report</td>
</tr>
<tr>
<td>9. Current Tracking Details</td>
</tr>
</tbody>
</table>

* Available only with RFID based solutions
## Trip Management

### Create Route

<table>
<thead>
<tr>
<th>No</th>
<th>Seq</th>
<th>Student/Employee Name</th>
<th>Pickup location</th>
<th>Alert location</th>
<th>Order</th>
</tr>
</thead>
<tbody>
<tr>
<td>120</td>
<td></td>
<td>Meenika D R</td>
<td>0</td>
<td>Alert Location</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>Avan's Amit Anj</td>
<td>0</td>
<td>Alert Location</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Aishwarya C P C P</td>
<td>0</td>
<td>Alert Location</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Akanksha M Dhat M</td>
<td>0</td>
<td>Alert Location</td>
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<tr>
<td>5</td>
<td></td>
<td>Akshay Vijay Bhandari A</td>
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<tr>
<td>6</td>
<td></td>
<td>Amithra A</td>
<td>0</td>
<td>Alert Location</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Aman A</td>
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<td>Alert Location</td>
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</tbody>
</table>

**Route Name:**

**Start Point:**

**End Point:**
<table>
<thead>
<tr>
<th>No</th>
<th>Route Name</th>
<th>Start Point</th>
<th>End Point</th>
<th>Create Trip</th>
<th>View / Edit / --</th>
<th>Today Trips</th>
<th>Assigned Vehicle</th>
</tr>
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<tbody>
<tr>
<td>5</td>
<td>Route 2</td>
<td>EURO KIDS SCHOOL</td>
<td>EURO KIDS SCHOOL</td>
<td>CREATE-TRIP</td>
<td>CLICK HERE</td>
<td>CLICK HERE</td>
<td>05:30:00 TO 10:30:00</td>
</tr>
<tr>
<td>6</td>
<td>route08</td>
<td>EURO KIDS SCHOOL</td>
<td>KADUGOI</td>
<td>CREATE-TRIP</td>
<td>CLICK HERE</td>
<td>CLICK HERE</td>
<td>-- --</td>
</tr>
<tr>
<td>1</td>
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<td>EURO KIDS SCHOOL</td>
<td>EURO KIDS SCHOOL</td>
<td>CREATE-TRIP</td>
<td>CLICK HERE</td>
<td>CLICK HERE</td>
<td>08:30:00 TO 19:30:00</td>
</tr>
<tr>
<td>2</td>
<td>Route2</td>
<td>EURO KIDS SCHOOL</td>
<td>EURO KIDS SCHOOL</td>
<td>CREATE-TRIP</td>
<td>CLICK HERE</td>
<td>CLICK HERE</td>
<td>-- --</td>
</tr>
<tr>
<td>7</td>
<td>route200</td>
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<td>KADUGOI</td>
<td>CREATE-TRIP</td>
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<td>CLICK HERE</td>
<td>-- --</td>
</tr>
<tr>
<td>3</td>
<td>Route3</td>
<td>EURO KIDS SCHOOL</td>
<td>EURO KIDS SCHOOL</td>
<td>CREATE-TRIP</td>
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<td>CLICK HERE</td>
<td>05:30:00 TO 10:30:00</td>
</tr>
<tr>
<td>4</td>
<td>Route4</td>
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<td>EURO KIDS SCHOOL</td>
<td>CREATE-TRIP</td>
<td>CLICK HERE</td>
<td>CLICK HERE</td>
<td>05:30:00 TO 19:30:00</td>
</tr>
</tbody>
</table>
Creating Pickup points
Features may vary depending on the model and the variant

**Small Form Factor**
- Small form factor of 115L x 100 W x 30 H in mm
- Enables easy installation
- Can be installed even in two wheelers
- Completely concealed installation to protect from tampering.

**High Accuracy GPS**
- Location accuracy of 2.5 M @ 50% CEP.
- Glonass support
- Can track even in GPS shadow areas (under bridges, indoor environment near windows etc)
- Best in class time to position fix: cold start duration of 39 Sec.
- Dead reckoning support

**Power Optimization**
- Power optimization based on ignition status.
- The tracking interval is automatically increased if the vehicle ignition is found to be OFF for more than 10 minutes. Reduces the load on the Vehicle battery and Server when the vehicle is in parked state.
- Sleep mode and Deep sleep mode available for battery optimization on small battery systems such as mopeds and bikes.

**Internal Antenna**
- GPS high gain internal antenna with -165dBi gain enables accurate tracking even with internal antenna and device hidden inside the dash board
- Internal high gain GSM antenna
- Completely hidden inside the dashboard.
Features may vary depending on the model and the variant

**Internal Battery**
- 700 mAh, Lion battery.
- 6 to 8 hour tracking on battery when fully charged.
- Parameter Configuration through USB interface.
- Rugged Cylindrical battery with high MTBF.
- Over Changing and Deep discharge protection.
- Smart battery management enables long battery life.

**Storage and forward**
- The tracking information is first stored on the internal flash storage and then forwarded to server.
- 20000 records space available on board.
- Recorded data can be extracted offline through USB (special firmware required) if required.
- Ensures zero data loss during GSM no coverage and communication failure, server downtime etc.

**Parameter Configuration**
- All parameters can be configured through USB or through SMS remotely.
- IP address, Port number, domain name, tracking interval, admin phone number, alert phone number.
- In built validation logic for type checking and correctness of configuration parameters ensures wrong parameters are rejected during configuration.
- Pre configuration option available on request during manufacturing. Parameter specified by customers (such as IP, Port, Tracking interval etc) can be pre configured during manufacturing using bulk configuration process, so that effort configuration in the field can be avoided.

**Server Connectivity**
- Connect, transfer and disconnect type of communication, reduces the resources on the server per connection.
- Connection interval can be separately configurable apart from tracking interval to balance the load on server.
- Dual IP support (if required by customer, firmware upgrade required) for high availability.
- Storage and forward architecture of data communication ensures that no data is lost during server failure, communication failure, or data congestion.
- DNS support for seamless IP portability. Device can be configured with a domain name instead of an IP of the server for easy porting of devices from one server to another.
Communication and Data usage

- Binary/ASCII communication protocol ensures high packaging of data per session to reduce the size of data usage.
- Option for Text based protocol available on request, if required by system integrators/customers. (firmware upgrade needed).
- Works on TCP communication.
- Encrypted communication support (on request, firmware upgrade required) for high secure communication requirements.

Integration & Customization support

- To enable faster integration with client system, we provide a SDK with a multithreaded client server and protocol parser.
- SDK is available for both windows and Linux server.
- Provides a socket to HTTP bridge for quick integration.
- Protocol documentation provided for low level integration if required by the system integrator/customer.
- Customization support could be provided for large scale requirements.

Features may vary depending on the model and the variant
Accessories

Features may vary depending on the model and the variant

- Speakers with in-built Amplifier
- Microphone
- Fuel Sensor
- Panic Button
- Immobilization Relay
- RFID Reader with Tags
WARRANTY

- iTriangle will provide One Year Limited Warranty, the scope of which is as follows:
- Accessories like Internal Battery and Wiring Kit and other related accessories will carry a Six Months’ replacement warranty.
- All Components and spares will either be serviced or replaced, during the warranty period.
- On field support will not be provided. The devices have to be sent to our Bangalore Office for services and repairs.
- All types of physical damage, damage due to extreme working conditions (Vehicle Battery Voltage range above 32 volts, Temperature above 70 degrees C and below – 20 degrees C), water logging will not be covered under warranty service terms.
- iTriangle shall provide training to the Client’s authorized personnel to handle L1 and L2 service.
- Any type of physical damage, sabotage or damage due to water log etc. (induced defects) shall not be considered under warranty, and customer shall bear the cost of the device and servicing.
- AMC options for L3 service are available.
Our Major Clients & Projects

- Mysore Minerals Limited

- BOSCH

- MapmyIndia

- UTOO

- OLA

- Infosys

- TRIMAX

- NISSAN

- Mysore Minerals Limited

- InfoTrack

- telematics4u
Our Major Clients & Projects

Schools & Educational Institutions
- VDRIT, Haliyal.
- Cambridge Primary School, Lingasugur, Raichur.
- R T Nagar School, Bangalore.
- Malgudi Vidya Niketan, Bangalore.
- Kauvery Vidyalaya, Mysore.
- Gyanodaya Public School, Mysore.
- SLU School, Bangalore.
- CN National Public School, Bangalore.
- East Point, Bangalore.
- Purna Pramathi School, Bangalore.
- Euro kids, Davangere.
- MVM School, Bangalore.

Govt. & Public Sector
- Bangalore Metropolitan Transport Corporation
- Bhubaneswar City Transport, Bhubaneswar.
- Central Coalfields Limited, Piparwar, Ranchi.
- Ordnance Factory, Ministry of Defence, Chanda.
- Ordnance Factory, Bhandara.
- 2rajrifles, MEG Bangalore.
- Dept. of Commercial Taxes, Karnataka.
- Dept. of Horticulture, Karnataka.
- Krishna Jala Bhagya Nigam Ltd.
- Municipal Corporation, Chintamani.
- Krushi Vigyanan Kendra, University of Agricultural Sciences, Bangalore.
- City Municipal Corporation, Chikkaballapur.
- City Municipal Corporation, Davangere.
- Canara Bank.
- Air Force Station, Yelahanka.
- TMC, Bannur.
- Mysore Minerals Ltd. Bangalore.
- Gadag-Betageri City Municipal Council, Karnataka.
- Bangalore Metropolitan Transport Corporation
- North Western Karnataka Road Transport Corporation
- Bosch India Limited
- Infosys Limited
- OLA Cabs, Bangalore.
- Uber Cabs, Mumbai.
- Nandi Infrastructure Corridor Enterprises Pvt Ltd, Bangalore.
- Radiant Distributors, Bangalore.
- Goyal Sales Corporation, Hubli.
- Sonim Technologies, Bangalore.
- Mobily Infotech India Pvt. Ltd., Bangalore.
- Anuvarth Apparels, Bangalore.
- Medwings Bioscience Pvt Ltd, Bangalore.
- Manpasand Manpower Pvt Ltd, Bangalore.
- Handa Transport, Hubli.
- Unitex Apparels Pvt Ltd, Bangalore.
- Gia Corp Care, Bangalore.
- Neamn IT, Hubli.
- Udipi Tours & Travels, Bangalore.
- Go Go International Pvt Ltd, Bangalore.
- Sun Multitek Enterprises, Bangalore.
- Nav Bharat Crane Service Pune.
- Unity Travels Bangalore. Sys Cabs Bangalore.
- K.Rajkamal Bangalore.
- G.S. Break Down Ahmedabad.
- Power Tech Call Centre LLP, Bangalore.
- Sys Cabs, Bangalore.
- United Associate Engineers, Bangalore.
- Creative Info Services, Bangalore.
- GW. Precision Tools Ltd, Bangalore.
- Nisarga Leisure & Travels Pvt. Ltd., Bangalore.
- Miles on Wheels, Bangalore.
- Technoon Constructions & Infrastructure, Bangalore.
- Wind World (India) Ltd., Bangalore.
- Travelday Tours & Travels Bangalore.
- Rescue 24/7 Tow Services.
- Manjushree Car Rentals, Bangalore.
- Zen PowerTechnologies, Bangalore.
- Ayoni Technologies LLP, Bangalore.
- Charoen Pokphand Seeds Pvt Ltd, Bangalore.
- Navant Motors(BMW), Bangalore.
- Express Cargo, Bangalore.
- Maruthi Cement and Steels Pvt Ltd., Bangalore.

Corporates & Others
- Bosch India Limited
- Infosys Limited
- OLA Cabs, Bangalore.
- Uber Cabs, Mumbai.
- Nandi Infrastructure Corridor Enterprises Pvt Ltd, Bangalore.
- Radiant Distributors, Bangalore.
- Goyal Sales Corporation, Hubli.
- Sonim Technologies, Bangalore.
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- Navant Motors(BMW), Bangalore.
- Express Cargo, Bangalore.
- Maruthi Cement and Steels Pvt Ltd., Bangalore.

OEM/System Integrators
- Wipro, Bangalore.
- Trimax IT Infrastructures & Services Limited, Mumbai.
- Tata Consultancy Services Ltd, Bangalore.
- Escorts Ltd. Faridabad
- Bayonet, Kenya.
- Argus Technologies LLP, UAE.
- Colosseum Tech Solutions Pvt Ltd, Hyderabad
- Rota India Ltd., Mumbai.
- Himu Softech, Bangalore
- Infotrack Telematics, Bangalore
- Pulsar Electronics, Mumbai.
- AC Tech Pvt. Ltd. Ahmedabad(Deployed at IOCL)
- Altech Ltd. Pune.
- Ragvik Technologies Pvt. Ltd., Gauhati
- Telematics 4U, Bangalore.
- Verve Compusoft Pvt Ltd, Mumbai.
THANK YOU!
and we look forward to serve you