

FIELDTECH

Smartphone based Survey
Management System

By: Satyam Dave
Analytic Solution



One Solution for Mobile Mapping – Real-time mapping platform *Mapping in hands of your Organization*

Use your mobile device to collect and update information in the field, whether connected or disconnected.



Smartphone Based Survey Management System

Mobile app
for your
project with
Dynamic
Data Form

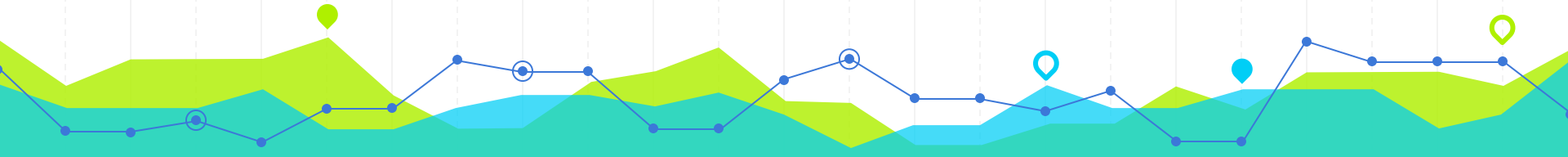
Improve
Data Quality
& Reliability
(Integration
with Laser
Distance
Meter &
DGPS)

Data Directly
Saved in
Server /
Cloud

Supervise
and control
your ongoing
survey
project

Spatial and
Non Spatial
Data
Creation on
Field.

Localization
as it
supports all
local
languages



BENEFITS OF SYSTEM

- Avoid error from collecting data from Laser Distance Meter and Integrated DGPS and filling forms and drop down menu in place of manual data entry.
- Save time and money for Spatial and Non Spatial Data Creation of survey data in office because data will be created with geometry and attribute information and synchronize directly in server and goes to database.
- Prevention of data loss in terms of loss of data before entry.
- Error avoidance for co-relating field photographs with object because application will do it automatically.
- Data supervision while work is going on field which leads to better productivity and coordination.
- Multi Language Support so data can be entered in regional language and same software can be used for multiple languages.
- Actual Load testing is done on 6000 simultaneous user.
- Tested on all android phone from cheapest to costliest.
- Reduce cost of mobile app development due to platform approach.

MODULE OF SYSTEM

USER MANAGEMENT

User authentication and data storage for user accounts.

FORM BUILDER

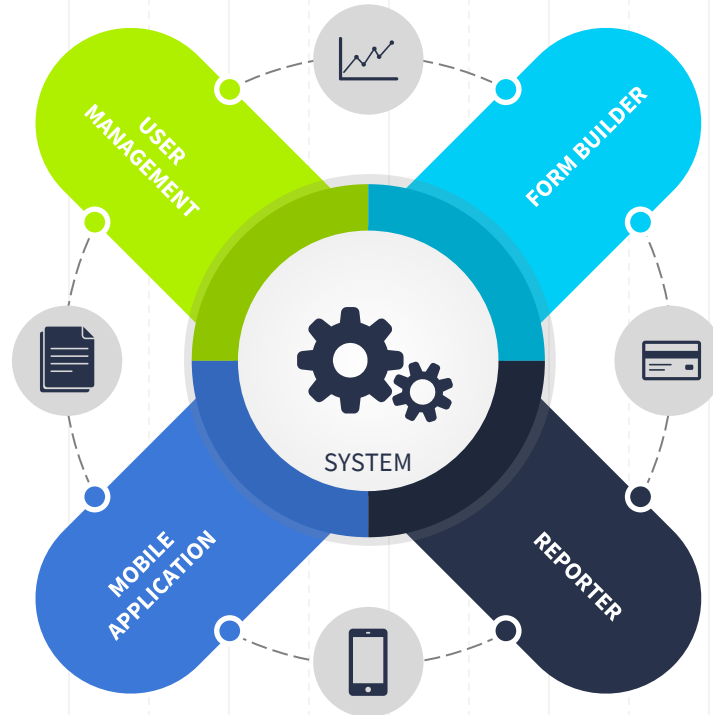
Create & Edit Forms, Drag and drop customise fields

MOBILE APPLICATION

User friendly Android Mobile App, Add point, line, polygon features.

REPORTER

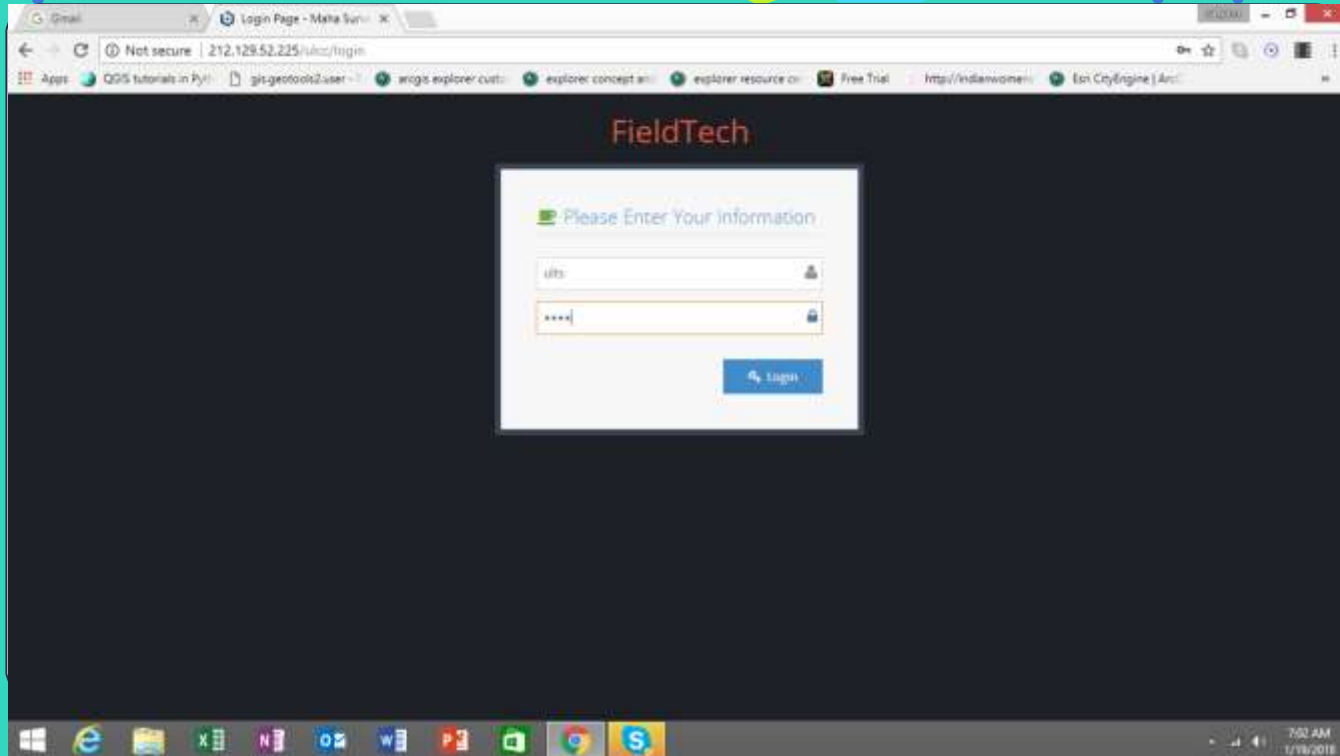
Generates reports, Project monitoring; user analysis and data validation



Web Portal



STEP 1: LOGIN



DASHBOARD



FieldTech | Dashboard | Projects | Teams | Form Builder | Assign Forms | Work Molecules | Time Tracker | Reports

1187
Total Properties
[More info](#)

171
Total Surveyed Properties
[More info](#)

171
Total QC Completed Properties
[More info](#)

4
Surveyors
[More info](#)

Division wise Chart

Bar chart showing Division wise Survey Details. The Y-axis represents the count (0 to 70). The X-axis represents Wards (Ward1 to Ward6). The chart displays two data series: a blue series and a yellow series.

Ward	Blue Series	Yellow Series
Ward1	10	5
Ward2	50	0
Ward3	68	32
Ward4	10	0
Ward5	15	8
Ward6	10	2

User wise Chart

Horizontal bar chart showing User wise Survey Details. The X-axis represents the count (0 to 120). The Y-axis lists users: Rajesh, Darsid, Jay, and Mayank. The chart displays two data series: a blue series and a yellow series.

User	Blue Series	Yellow Series
Rajesh	70	80
Darsid	98	120
Jay	5	10
Mayank	50	60

Analytics Solutions

Add New Project

Project Name

Dynamic Form Builder

The screenshot displays the FieldTech Dynamic Form Builder interface within a web browser. The browser's address bar shows the URL `212.129.52.225/ulcc/form/editForm/3`. The application's navigation bar includes links for Dashboard, Projects, Users, Form Builder, Assign Forms, Work Allotment, View Analysis, and Reports. The main content area is titled "Create Your Own Form" and features a "Go Back" button in the top right corner. Below the title, there are input fields for "Form Name" (containing "Property Tax Forms") and "Project" (set to "ULTS"). The form preview area shows several fields: "Remarks" (with a dropdown menu containing "Start Survey"), "Type of Owner" (with a dropdown menu containing "Private"), "Type of Usage" (with a dropdown menu containing "Residential"), and "Owner Name" (with an empty text input field). On the right side, a vertical toolbar lists various form field types: Checkbox, Checkbox Group, Date Field, File Upload, Header, Number, Radio Group, Select, Text Field, and Text Area.

ADD NEW USER & INFORMATION

The screenshot displays the 'Edit User' interface within the FieldTech application. The browser address bar shows the URL `212.129.52.225/ulcc/user/editUser/437`. The application's navigation menu includes options like Dashboard, Projects, Users, Form Builder, Assign Forms, Work Assignment, View Analysis, and Reports. The main content area contains a form with the following fields:

- Username:** `mayanik`
- Password:** (empty)
- Email:** `ge@gmail.com`
- Role:** `Surveyör` (dropdown menu)
- Ward:** `Ward` (dropdown menu)
- IMEI:** `4665`
- Phone:** `45466776`

At the bottom of the form, there are two buttons: `Cancel` and `Submit`. The Windows taskbar at the bottom shows the time as 7:07 AM on 1/19/2018.

ASSIGN FORMS

FieldTech Dashboard Projects Users Form Builder Assign Forms Work Allotment Reports Validation

Home > User Assign

Assign Forms

User:

Select Projects:

- test project
- malyalam

Forms:

- Open Land
- Floor
- test form
- building

Analytic Solution

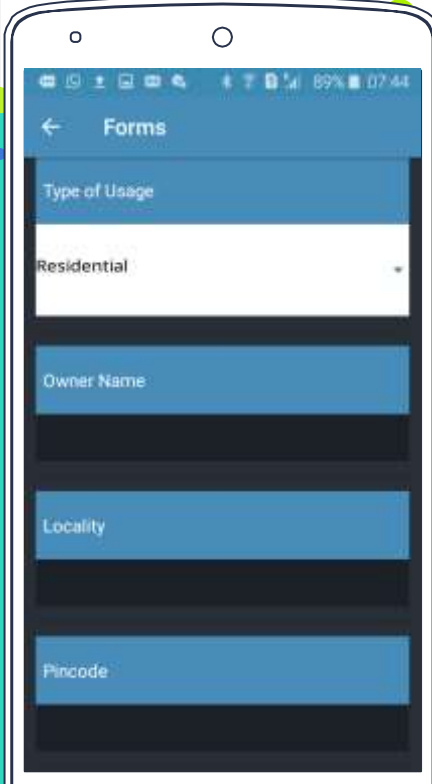
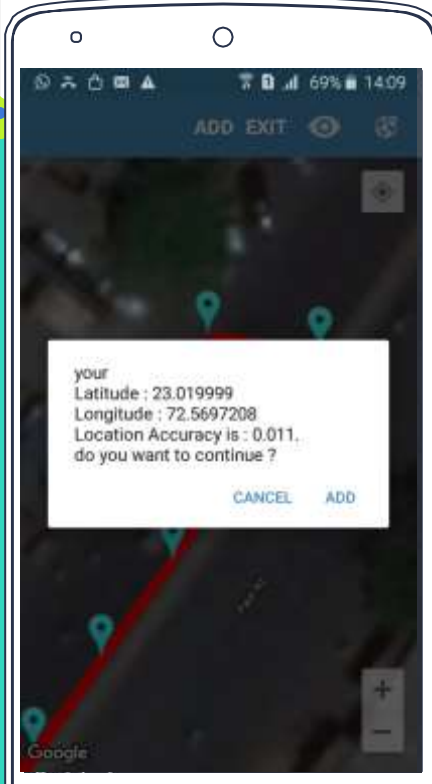
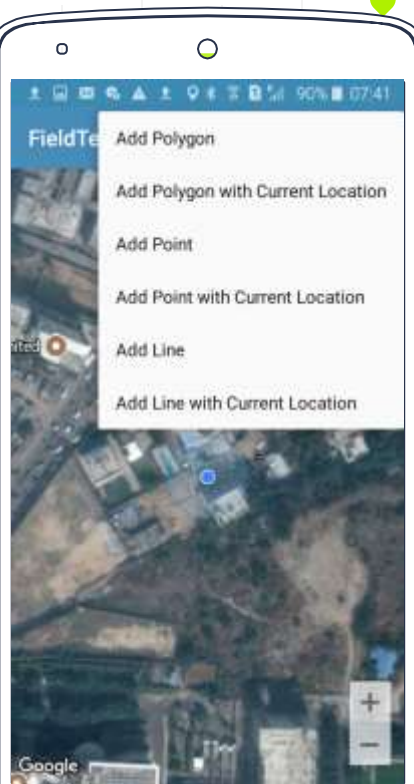
Survey Area Allotment to Surveyor

The screenshot shows a web browser window displaying a web application titled "Work Allotment". The browser's address bar shows the URL "212.129.52.225/uloc/user/graphicalArea". The application interface includes a "Select User" dropdown menu with "rajesh" selected and a "Save Allotment" button. The main content is a map of a region with a grid overlay. Several areas on the map are highlighted in purple, indicating survey areas. A specific area is highlighted in light blue. The map includes various landmarks such as "Vellayani Agriculture College Stadium", "Balaramapuram Police Station", "Kattachalkuzh Post Office", and "Kuehupallam Botanical Garden". The Windows taskbar at the bottom shows the time as 7:30 AM on 1/19/2018.

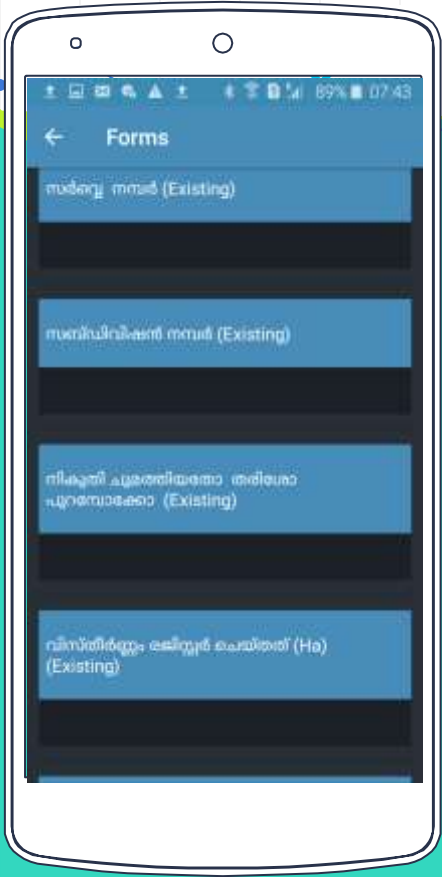
Mobile Application







Multi Language Support



← Forms

നൂർജി നമ്പർ (Existing)

സുനിൽകുമാർ നമ്പർ (Existing)


നിഷാദ് ഏലമ്പിയാർ തമിഴൻ ഏലമ്പിയാർ (Existing)

നീലിനിൽക്കുമാർ അലക്സാൻഡർ (Ha) (Existing)

Report Generation and QA QC

QCCompleted

Resurvey

 View Images

	Survey Data	ULB Data
Remarks	<input type="text" value="Start Survey"/>	<input type="text" value="Not Available"/>
Floor No	<input type="text" value="G"/>	<input type="text" value="Not Available"/>
Type of Unit	<input type="text" value="Room"/>	<input type="text" value="निवासी"/>
Flat/Shop/Gala No.	<input type="text"/>	<input type="text" value="1"/>
Owner Name	<input type="text" value="श्री भुजंग सहादेव वाघमारे"/>	<input type="text" value="श्री भुजंग सहादेव वाघमारे"/>
Adhar No	<input type="text" value=""/>	<input type="text" value="Not Available"/>
Mobile No	<input type="text" value=""/>	<input type="text"/>

THANKS!

Any questions?

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