

TGFMIS

(Telangana Forest Management Information System)

Vana Sri

User guide

Below is the URL to go to tgfmis home page:

1) Click on below url

<http://fmis.telangana.gov.in/>

2) Click on Activities for forest department logo

url | fmis.telangana.gov.in/default.aspx 1) url for tgfmis

TELANGANA FOREST DEPARTMENT

Telangana Forest Management Information System



 [Login](#) Forest & Wild Life Crime Control Cell Toll Free Number (24/7) : 18004255364

Activities for All Departments Activities for Forest Department TKHH Progress



2) Click on telangana state forest logo

 Click Here For Daily Action Taken Status on Fire Alerts

Below is the URL to go to tgfmis Default page:

1) Click on below url

http://fmis.telangana.gov.in/Default_Forest.aspx

2) Click on Vana SRI logo

fmis.telangana.gov.in/Default_Forest.aspx 1) Default page url

NMIS Nursery PMIS Plantation Dashboard News Paper & TV Clippings

Other Activities - Forest Department

FPMIS Protection BLMIS Beedi Leaf FAMIS Tree Felling And Transit Permissions Wild Life

Saw Mills IT Assets Buildings Forest Cover Change Block Treatment(FBT) & ANR Inventory

Master Data Vehicles ITWing-Staff ANR works Seed Collection

Field Officer Declaration Urban Parks Recruitment Photo Gallery Water Augmentation

Tree Transit Permissions Inventory(Control Point) Fire Management Outreach Grasslands

Under Development 2)Click on Vana SRI

FCAMIS CLM_MIS Old CAMPA Reports Vana SRI

Below is the Vana SRI page:

- 1) L.H.S are Input forms
- 2) R.H.S are Output Result

General Conversion: After clicking on link below input form is displayed

Vana SRI - Forest Survey and Research Initiative

CONVERSION L.H.S INPUT FORMS

- Bearings to Lat-long
 - General Conversion
 - With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

Bearing Conversion-With Error Correction

Initial Latitude

Upload (Excel) No file chosen

Excel Format (Example)

Initial Longitude

Name Of The Polygon

Magnetic Declination (Rotation) : ☒ Yes ☐ No

☒ ClockWise ☐ Anti ClockWise

In Degree's

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [DHARANI VILLAGE MAPS Link](#)

R.H.S OUTPUT RESULTS

Enter the All Values in input form, below is the example format for excel to be uploaded

Vana SRI - Forest Survey and Research Initiative

CONVERSION

- Bearings to Lat-long
 - General Conversion
 - With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

Bearing Conversion-With Error Correction

Initial Latitude Enter latitude

Upload (Excel) No file chosen

Choose file to upload

Initial Longitude Enter Longitude

Name Of The Polygon Give name of polygon

Magnetic Declination (Rotation) : ☒ Yes ☐ No

☒ ClockWise ☐ Anti ClockWise

In D

Then Click on generate lat lon button

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)

Excel format example

From	To	Bearings	Lengths
1	2	111.49	487.10
2	3	26.17	270.11
4	3	62.53	368.81
5	4	87.44	174.70
6	5	94.23	390.99
7	6	109.19	213.99

Select Excel

File name: All Files

After Clicking Generate Lat Longs Button Area and Latitude and Longitude values Displayed
Then click on “View on Google Map” link to display map

Vana SRI - Forest Survey and Research Initiative

CONVERSION

Bearings to Lat-long

General Conversion

With Control Point

- Single Control Point

- Multiple Control Points

Closing Error

- With Error Correction

- Without Error Correction

Lat-long Inputs

- Lat-Long To Bearings-Dist

- Multiple Control Points (on Lat-Long)

- Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

Bearing Conversion-With Error Correction

Initial Latitude16.04914300Initial Longitude79.58899300

Upload (Excel)Choose FileNo file chosen

Name Of The PolygonAndugullapadu_general c

Excel Format (Example)

Magnetic Declination (Rotation) :

Yes

No

ClockWise

Anti ClockWise

0

In Degree's

Generate Lat Longs

View on Google Map

2D-Area :784.874161608972(Plane Table Survey Area)

1of 1

Select a format

Export

Bearing Conversion

Bearings	Lengths	x1	y1
		79.58899300	16.04914300
111.49073360165	487.1	79.5932317682387	16.0475397421807
26.1737015117158	270.11	79.5943463705043	16.0497180552798
62.5277807657622	368.81	79.5974067186295	16.0512469800949
87.4426712605665	174.7	79.5990389304794	16.0513170974127
94.2293355633212	390.99	79.6026856080785	16.051058155825
109.185378448919	213.99	79.6045757645805	16.0504263693042
121.533740154468	306.7	79.6070206156845	16.0489851977239
179.557002650066	350.94	79.6005513878815	16.0460773647306

OUTPUT RESULTS

1. Conversion Details

2. Lat to Bearings Conversion

3. Map to Geo Co-ordinates

User Manual Bearing

User Manual

Bearing(Descriptive)

Flowchart-VanaSRI-GoogleImageOverlay

Demo Video 2 min

Demo Video 18 Min

Video VanaSRI-GoogleImageOverlay

Telugu Paper on VanaSRI

FAQ on VanaSRI

DHARANI VILLAGE MAPS Link

Example: With Error Correction Map of AndugullaPadu (Map is Closed)

A satellite map showing a rural landscape with fields, roads, and some buildings. A red polygon is drawn on the map, outlining a specific area. The map includes a scale bar, a compass rose, and a legend in the top right corner. The area is labeled 'ANDUGULLAPADU' in the center.

Using multiple control points generate Latitudes and Longitudes

CONVERSION

Bearings to Lat-long

General Conversion

With Control Point

Single Control Point

Multiple Control Points

Closing Error

With Error Correction

Without Error Correction

Lat-long Inputs

Lat-Long To Bearings-Dist

Multiple Control Points (on Lat-Long)

Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

Multiple Control Points

Initial Latitude : 17.28286

Initial Longitude : 81.17857

1.Enter intial latitude

2.Enter initial longitude

Number Of Control Points 3

3.select No. of control points

Upload (Excel) Choose File

4.Choose excel file

Gazette-as...RT - Copy.xls

Excel Format (Example)

Name Of The Polygon : Aswaraopet_MULTICProI

5.Give polygon name

Magnetic Declination (Rotation) : Yes No

6.Give latitude and longitude

(Enter Control Point Values)

Control Point At	Latitude	Longitude
23	17.243557	81.180036
45	17.229903	81.151417
63	17.251359	81.140343

Generate Lat Longs

7. Then click on "Generate Lat Longs" Button

OUTPUT RESULTS

1. Conversion Details

2. Lat to Bearings Conversion

3. Map to Geo Co-ordinates

User Manual Bearing

User Manual Bearing(Descriptive)

Flowchart-VanaSRI-GoogleImageOverlay

Demo Video 2 min

Demo Video 18 Min

Video VanaSRI-GoogleImageOverlay

Telugu Paper on VanaSRI

FAQ on VanaSRI

DHARANI VILLAGE MAPS Link

Below is the example for excel format to Upload in Multiple control points input form

Name

Andugullapadu

Aswaraopet_latlong_to_bearing

ControlPoints_Aswaraopet

Control-pointsAswaraopet1-ex

Gazette-aswaraopet1-vagu1-START - Co

nallavalli_map-formt

Nallavalli_MaptoGeo

Rev Format

zzzzz-rohini1

FILE

HOME

INSERT

PAGE LAYOUT

FORMULAS

DATA

Clipboard

Font

Alignment

Number

Conditional Formatting

Format as Table

Cell Styles

D13

155

	A	B	C	D
1	From	To	Bearings	Lengths
2	1	2	172	405.00
3	2	3	189	219.00
4	3	4	194.25	262.00
5	4	5	190	440.00
6	5	6	158.5	635.00
7	6	7	155.25	306.00
8	7	8	268	209.00
9	8	9	184.75	176.00
10	9	10	162.75	177.00
11	10	11	196.25	202.00
12	11	12	187	333.20
13	12	13	241.5	155.00
14	13	14	276	346.40
15	14	15	196.5	190.00
16	15	16	206	229.60
17	16	17	193.5	170.80
18	17	18	181.5	120.00

Below is the output after clicking on Generate Lat- Longs button

Vana SRI - Forest Survey and Research Initiative

CONVERSION

- ☒ Bearings to Lat-long
 - General Conversion
 - ☒ With Control Point
 - Single Control Point
 - Multiple Control Points
- ☒ Closing Error
 - With Error Correction
 - Without Error Correction
- ☒ Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

- Map to GEO Co-ordinates

Bearing Conversion-With Error Correction

Initial Latitude

Initial Longitude

Upload (Excel) No file chosen
[Excel Format \(Example\)](#)

Name Of The Polygon

Magnetic Declination (Rotation) : ☒ Yes ☐ No
☒ ClockWise ☐ Anti ClockWise
 In Degree's

2D-Area : (Plane Table Survey Area)

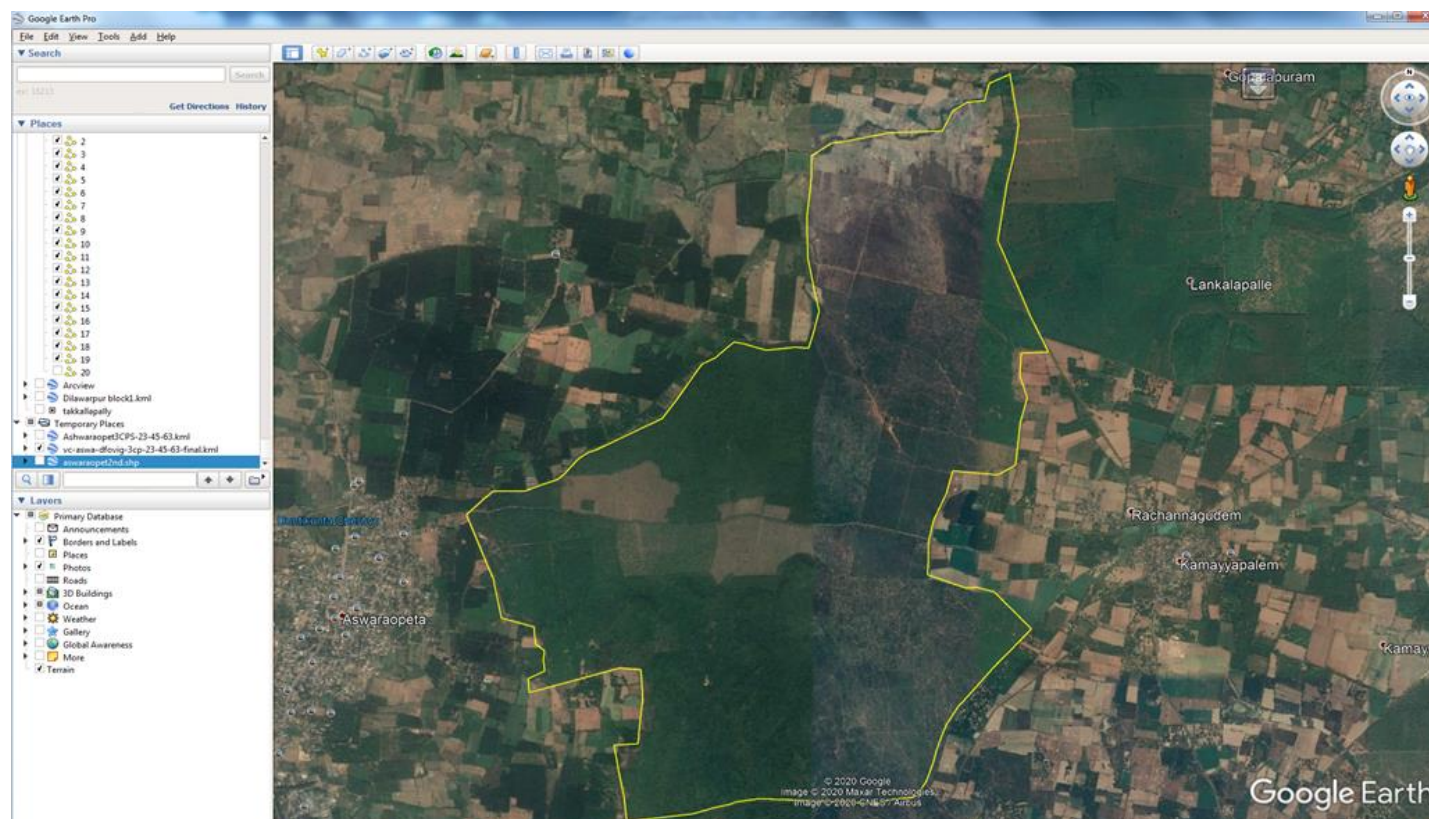
Bearing Conversion				
Bearings	Lengths	x1	y1	
		79.58899300	16.04914300	
111.49073360165	487.1	79.5932317682387	16.0475397421807	
26.1737015117158	270.11	79.5943463705043	16.0497180552798	
62.5277807657622	368.81	79.5974067186295	16.0512469800949	
87.4426712605665	174.7	79.5990389304794	16.0513170974127	
94.2293355633212	390.99	79.6026856080785	16.051058155825	
109.185378448919	213.99	79.6045757645805	16.0504263693042	
121.533740154468	306.7	79.6070206156845	16.0489851977239	
170.553007650066	350.04	79.6095513878815	16.0460773642306	

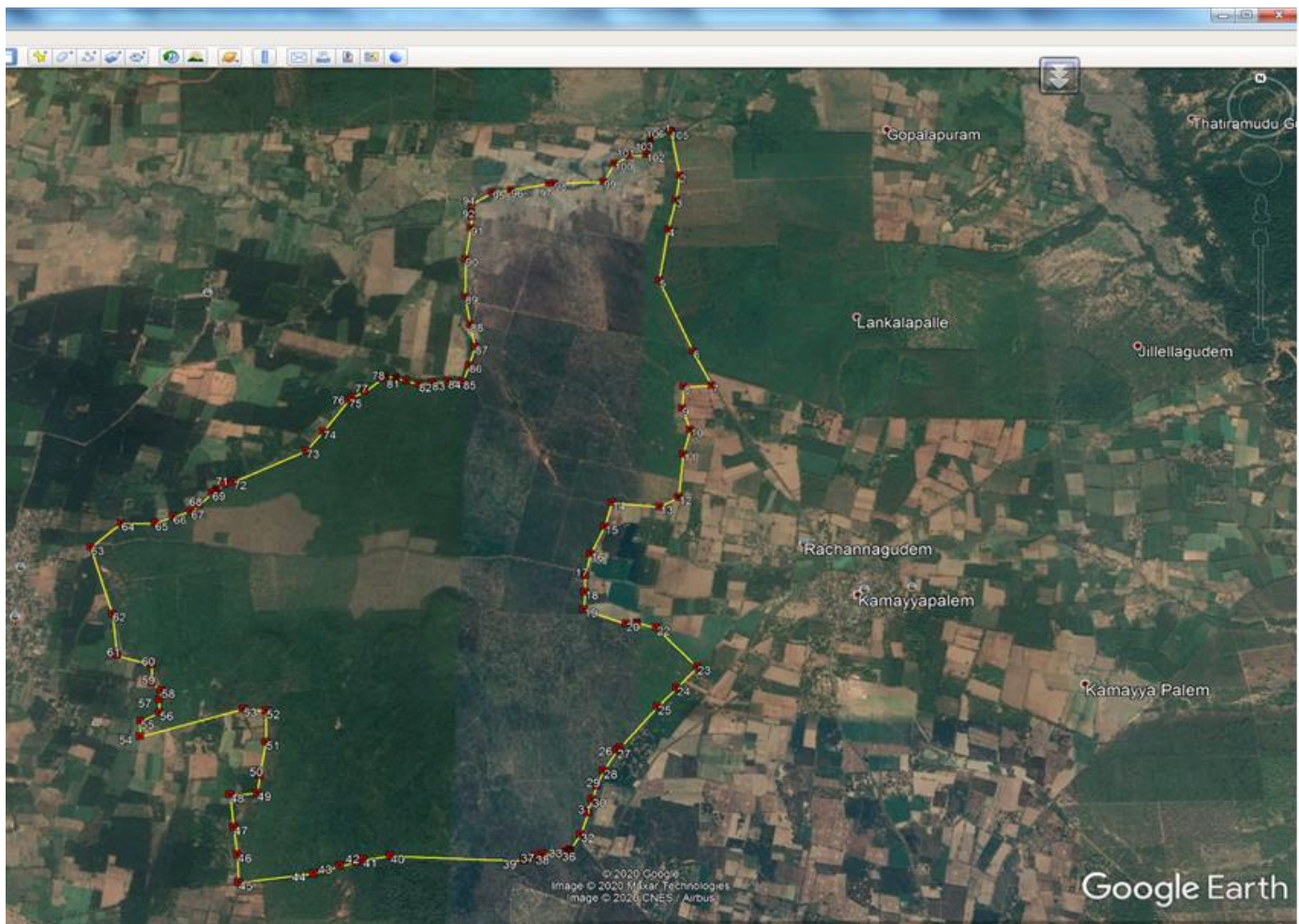
OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [DHARANI VILLAGE MAPS Link](#)

After clicking on View on google map below map is displayed





Closing Error:
Click on Bearing Conversion- with Error Correction link to Display Below page

Vana SRI - Forest Survey and Research Initiative

CONVERSION

- ☑ Bearings to Lat-long
 - General Conversion
 - ☑ **With Control Point**
 - Single Control Point
 - Multiple Control Points
 - ☑ **Closing Error**
 - **With Error Correction**
 - Without Error Correction
- ☑ Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

Bearing Conversion-With Error Correction

Initial Latitude

1.Enter initial latitude

Initial Longitude

2.Enter initial longitude

Upload (Excel) No file chosen

Name Of The Polygon

Excel Format (Example)

4. Enter polygon name

Magnetic Declination (Rotation) : ☒ Yes ☐ No
☒ ClockWise ☐ Anti ClockWise
 In Degree's

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing \(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
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- [Video VanaSRI-GoogleImageOverlay](#)
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- [FAQ on VanaSRI](#)
- [DHARANI VILLAGE MAPS Link](#)

Below is the example excel formate

	A	B	C	D
	From	To	Bearings	Lengths
1	1	2	172	405.00
2	2	3	189	219.00
3	3	4	194.25	262.00
4	4	5	190	440.00
5	5	6	158.5	635.00
6	6	7	155.25	306.00
7	7	8	268	207.00
8	8	9	184.75	176.00
9	9	10	162.75	177.00
10	10	11	196.25	202.00

After Entering the All Values Click On Generate Lat-Longs Button

Vana SRI - Forest Survey and Research Initiative

Bearing Conversion-With Error Correction

Initial Latitude Initial Longitude

Upload (Excel) Gazette-as... RT - Copy.xls Name Of The Polygon
[Excel Format \(Example\)](#)

Magnetic Declination (Rotation) : ☐ Yes ☒ No

Click on "Generate Lat Longs" button

CONVERSION

- ▣ Bearings to Lat-long
 - General Conversion
 - ▣ With Control Point
 - Single Control Point
 - Multiple Control Points
- ▣ Closing Error
 - With Error Correction
 - Without Error Correction
- ▣ Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [DHARANI VILLAGE MAPS Link](#)

After Clicking Generate Values Button Area and Latitude and Longitude Values Displayed

Vana SRI - Forest Survey and Research Initiative

Bearing Conversion-With Error Correction

Initial Latitude Initial Longitude

Upload (Excel) No file chosen Name Of The Polygon
[Excel Format \(Example\)](#)

Magnetic Declination (Rotation) : ☐ Yes ☒ No

☒ ClockWise ☐ Anti ClockWise

In Degree's

Click on "View on Google map" button to display map

2D-Area : (Plane Table Survey Area)

Bearing Conversion

Bearings	Lengths	x1	y1
		81.17857	17.28286
172	405	81.179116076933	17.2792151993173
189	219	81.1788021487573	17.2772493840637
194.25	262	81.1782053852226	17.2749410402698

CONVERSION

- ▣ Bearings to Lat-long
 - General Conversion
 - ▣ With Control Point
 - Single Control Point
 - Multiple Control Points
- ▣ Closing Error
 - With Error Correction
 - Without Error Correction
- ▣ Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
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- [DHARANI VILLAGE MAPS Link](#)

Example: With Error Correction Map of Aswaraopet (Map is Closed)



Input-Screen for Bearing Conversion –Without Error Correction

Below are steps to enter data and example of excel sheet

Vana SRI - Forest Survey and Research Initiative

Bearing Conversion-Without Error Correction

CONVERSION

- ☑ Bearings to Lat-long
 - General Conversion
 - ☑ With Control Point
 - Single Control Point
 - Multiple Control Points
- ☑ Closing Error
 - With Error Correction
 - Without Error Correction
- ☑ Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

- Map to GEO Co-ordinates

Initial Latitude **Initial Longitude**

1.Enter initial latitude **2.Enter initial longitude**

3.Choose excel file

Upload (Excel) Gazette-as...RT - Copy.xls

4.Enter polygon name Name Of The Polygon

Magnetic Declination (Rotation) : ☐ Yes ☒ No

Below is the example for excel format

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [DHARANI VILLAGE MAPS Link](#)

Open

Organize New folder

Quick access

- OneDrive
- This PC
- 3D Objects
- Desktop
- Documents
- Downloads
- Music
- Pictures
- Videos
- Local Disk (C:)

Name

- Andugullapadu
- Aswaraopet_latlong_to_bearing
- ControlPoints_Aswaraopet
- Control-pointsAswaraopet1-ex
- Gazette-aswaraopet1-vagu1-ST
- nallavalli_map-format
- Nallavalli_MaptoGeo
- Rev Format
- zzzzz-rohini1

From	To	Bearings	Lengths
1	2	172	405.00
2	3	189	219.00
3	4	194.25	262.00
4	5	190	440.00
5	6	158.5	635.00
6	7	155.25	306.00
7	8	268	209.00
8	9	184.75	176.00
9	10	162.75	177.00
10	11	196.25	202.00
11	12	187	233.20

Sheet1

After entering all field values click on “generate Lat Longs” button then below is displayed

Vana SRI - Forest Survey and Research Initiative

Bearing Conversion-Without Error Correction

CONVERSION

- ☑ Bearings to Lat-long
 - General Conversion
 - ☑ With Control Point
 - Single Control Point
 - Multiple Control Points
- ☑ Closing Error
 - With Error Correction
 - Without Error Correction
- ☑ Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

- Map to GEO Co-ordinates

Initial Latitude **Initial Longitude**

Upload (Excel) No file chosen

Name Of The Polygon

Magnetic Declination (Rotation) : ☐ Yes ☒ No

☒ ClockWise ☐ Anti ClockWise

In Degree's

After entering all fields,Click on Generate Lat Longs button

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [DHARANI VILLAGE MAPS Link](#)

View on Google Map

Select a format Export

Bearing Conversion

Bearings	Lengths	x1	y1
		81.17857	17.28286
172	405	81.1791004239821	17.2792561705589
189	219	81.1787780316182	17.2773125101248
194.25	262	81.178171141977	17.2750306711834
190	440	81.1774521625235	17.2711369888888
158.5	635	81.1796420921832	17.2658280371626
155.25	306	81.180847565698	17.2633309570438
268	209	81.1788821405676	17.2632654052148
184.75	176	81.1787450027613	17.261689338505
162.75	177	81.1792388884055	17.2601703939427
196.25	202	81.1787070159097	17.258427779335

These are displayed after clicking on generate lat longs button

Click on “View on Google map”

Vana SRI - Forest Survey and Research Initiative

CONVERSION

- ☑ Bearings to Lat-long
 - General Conversion
- ☑ With Control Point
 - Single Control Point
 - Multiple Control Points
- ☑ Closing Error
 - With Error Correction
 - Without Error Correction
- ☑ Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

- Map to GEO Co-ordinates

Bearing Conversion-Without Error Correction

Initial Latitude

Initial Longitude

Upload (Excel) No file chosen

Name Of The Polygon

[Excel Format \(Example\)](#)

Magnetic Declination (Rotation) : ☐ Yes ☒ No

☒ ClockWise ☐ Anti ClockWise

In Degree's

Click on "View on Google map" to display map

View on Google Map

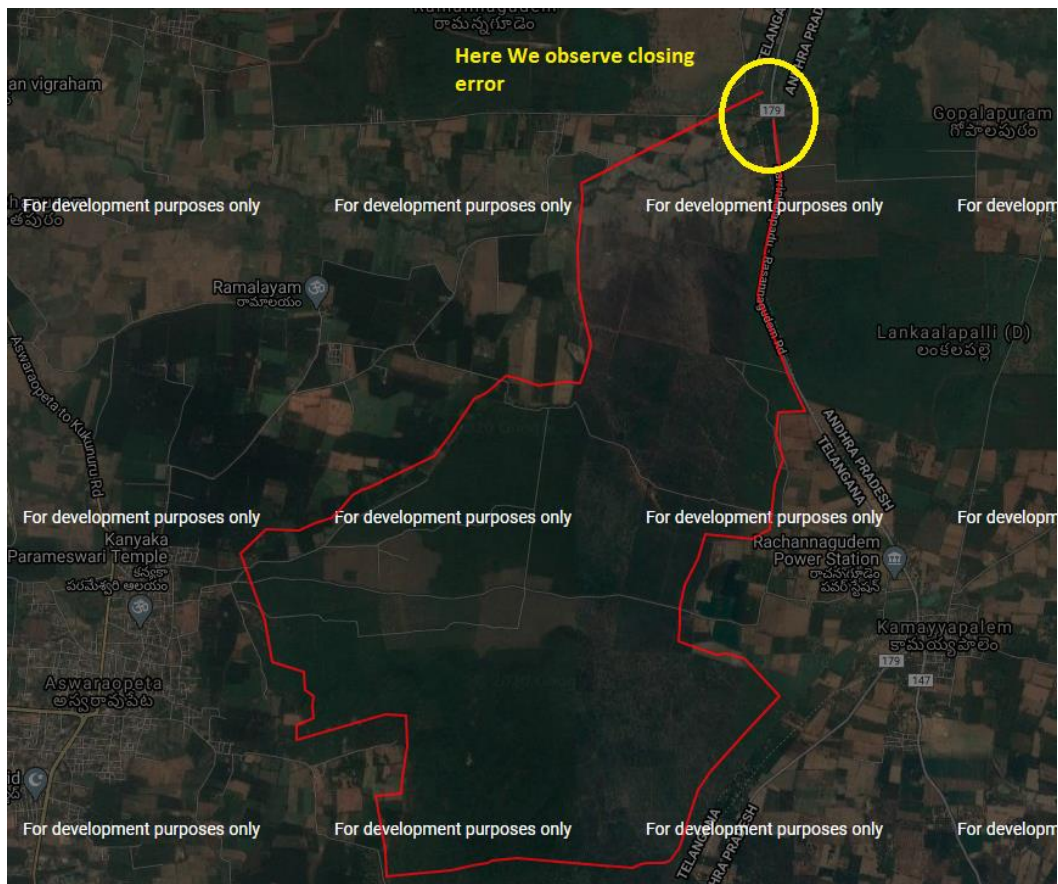
Bearings	Lengths	x1	y1
		81.17857	17.28286
172	405	81.1791004239821	17.2792561705589
189	219	81.1787780316182	17.2773125101248
194.25	262	81.178171141977	17.2750306711834
190	440	81.1774521625235	17.2711369888888
158.5	635	81.1796420921832	17.2658280371626
155.25	306	81.180847565698	17.2633309570438
268	209	81.1788821405676	17.2632654052148
184.75	176	81.1787450027613	17.261689338505
162.75	177	81.1792388884055	17.2601703939427
196.25	202	81.1787070159097	17.2584277793305
187	333.2	81.1783249345395	17.2554560328851

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing \(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [DHARANI VILLAGE MAPS Link](#)

After clicking “View on Google map” below map is displayed



Giving Input file (Latitude & Longitude) generate Bearings & Lengths

Vana SRI - Forest Survey and Research Initiative

Lat-Long To Bearings-Lengths

Upload (Excel) No file chosen Name Of The Polygon :

[Excel Format \(Example\)](#)

CONVERSION

- Bearings to Lat-long
 - General Conversion
 - With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
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 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
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- [Demo Video 18 Min](#)
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- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [ILRMS VILLAGE MAPS Link](#)

Latitude and Longitude convert to Bearing and lengths form link

Latitude and Longitude values Convert to Bearing and Lengths

Vana SRI - Forest Survey and Research Initiative

Lat-Long To Bearings-Lengths

Upload (Excel) No file chosen Name Of The Polygon :

[Excel Format \(Example\)](#)

CONVERSION

- Bearings to Lat-long
 - General Conversion
 - With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

Excel Format For Finding Bearing and lengths

	Lat	Long
1	16.049143	79.589
2	16.0475354	79.593
3	16.0497192	79.594
4	16.0512519	79.597
5	16.0513222	79.599
6	16.0510624	79.603
7	16.0504289	79.605
8	16.0489839	79.607
9	16.0469707	79.61
10	16.042955	79.611
11	16.0376573	79.609
12	16.0370134	79.602
13	16.037178	79.599
14	16.032778	79.592

File name: Rev Format

After giving all the inputs by clicking generate values one table of bearing and Length table displayed

CONVERSION

- Bearings to Lat-long
 - General Conversion
- With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

Lat-Long To Bearings-Lengths

Upload (Excel) No file chosen Name Of The Polygon :

[Excel Format \(Example\)](#)

[View on Google Map](#)

Lat	Long	Bearings	Lengths
16.049143	79.588993	111.503	487.1
16.0475354111218	79.593238864495	26.159	270.11
16.0497192268727	79.5943549841021	62.512	368.81
16.0512519486259	79.5974203678511	87.441	174.7
16.0513221704985	79.5990553279985	94.232	390.99
16.0510624055928	79.6027081502916	109.197	213.99
16.0504288938024	79.6046014691665	121.55	306.7
16.0489838675926	79.6070503517373	129.57	350.94
16.0469706954669	79.609585222298	166.974	457.55
16.0429549822025	79.6105518942749	198.097	618.71
16.0376572796213	79.6087505405061	263.968	680.48
16.0370134279747	79.6024114897873	272.797	374.56
16.0371779601814	79.5989070334388	235.99	873.58

After clicking on Generate Values button Bearings and lengths values will Display

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [ILRMS VILLAGE MAPS Link](#)

Finding Area by uploading Latitude and Longitude (.xls) Excel File

Multiple Control point (in LATITUDE AND LENGTH)

CONVERSION

- Bearings to Lat-long
 - General Conversion
- With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
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 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

Multiple Control Points (Lat-Longs).

Name Of The Polygon Number Of Control Points

Upload (Excel) Rev Format.xls

[Excel Format \(Example\)](#)

[View on Google Map](#)

Control Point At	Latitude	Longitude
9	16.048985197	79.607020615
10	16.022733406	79.58366924

Excel format for finding bearing and length

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
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- [Demo Video 18 Min](#)
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- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [ILRMS VILLAGE MAPS Link](#)

Polygon Area – Calculate Area using (Using Lat-Long)

CONVERSION

- Bearings to Lat-long
 - General Conversion
- With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)**

MAP BASED PROJECTION

- Map to GEO Co-ordinates

Polygon Area

Choose File No file chosen

Excel Format (Example)

Area of Polygon 784.888975324355

Calculate

After clicking on generate butto are of polygon will display

Excel format for calculating area

	A	B	C	D
1	Lat	Long		
2	16.04914	79.58899		
3	16.04754	79.59324		
4	16.04972	79.59436		
5	16.05125	79.59742		
6	16.05132	79.59906		
7	16.05106	79.60271		
8	16.05043	79.60461		
9	16.04898	79.60706		
10	16.04697	79.60959		
11	16.04296	79.61056		
12	16.03766	79.60876		
13	16.03702	79.60242		

Calculate area link

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- User Manual Bearing
- User Manual Bearing(Descriptive)
- Flowchart-VanaSRI-GoogleImageOverlay
- Demo Video 2 min
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- FAQ on VanaSRI
- ILRMS VILLAGE MAPS Link

Using this form Generating Latitude & Longitude using Map (Paper Co-Ordinates)

CONVERSION

- Bearings to Lat-long
 - General Conversion
- With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

- Map to GEO Co-ordinates

Generating Lat Long using Map

Download Excel Format (Example) **Help** Click here for user manual for how to measure Scale and preparing excel sheet

Latitude

Vertex No. Name of the Polygon

Do you Have Scale in MAP ☐ Yes ☒ No

Scale Cms Meters

Lengths Measured from Map using Computer ☐ Yes ☒ No

Length in Map(AB) cm Length in Computer(AB) cm

Magnetic Declination ☐ Yes ☒ No

☒ ClockWise ☐ Anti ClockWise

Area may vary slightly due to error in measurements or old area computations etc.

Do you want area to be matched to the map area ☐ Yes ☒ No

Map Area: Ha

Do you Have Controlpoints ☐ Yes ☒ No View on Google

Area (in Ha)

Upload Excel Data Choose File No file chosen Generate Lat Longs

OUTPUT RESULTS

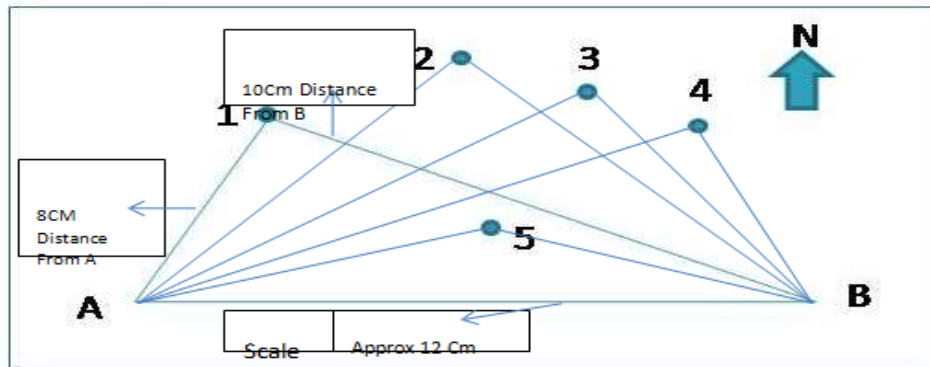
- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- User Manual Bearing
- User Manual Bearing(Descriptive)
- Flowchart-VanaSRI-GoogleImageOverlay
- Demo Video 2 min
- Demo Video 18 Min
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- ILRMS VILLAGE MAPS Link

User Manual for Preparing Excel Sheet

1

Paper Map



- > Draw a line AB perpendicular to North Arrow below the map extending west to western most point and east to eastern most point
- > Tabulate each distance as like above message
- > Ex:- Draw a line A to 1 and B to 1
- > It forms triangle like (▲A1B) and from the all triangle like above And Note down the distances from (A to 1) and (B to 1)

And prepare Excel Sheet:-

SLNO	<u>DistanceFromA</u>	<u>DistanceFromB</u>
1	8	10
2	9	12
3	12	9
4	15	7

Prepare ExcelSheet in (MS-Excel-2007) work book only (filename.xls)

CONVERSION

- Bearings to Lat-long
 - General Conversion
 - With Control Point
 - Single Control Point
 - Multiple Control Points
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 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
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 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

- Map to GEO Co-ordinates

Generating Lat Long using Map

Download [Excel Format \(Example\)](#) [Help](#)

Latitude Longitude

Vertex No. Name of the Polygon

Do you Have Scale in MAP ☒ Yes ☐ No

Scale Cms

Lengths Measure

Length in Map(AB) cm

Magnetic Declination ☐ Yes ☒ No

☒ ClockWise ☐ Anti ClockW

Area may vary slightly due to error in measurements or old

Do you want area to be matched to the map area ☐ Yes ☒ No

Map Area: Ha

Do you Have Controlpoints ☐ Yes ☒ No

Upload Excel Data Nallavalli

Example for excel format

Sl.No	DistanceFromA	DistanceFromB
1	25	26.5
2	25.2	26.3
3	25.3	25.8
4	24.3	24.8
5	24.3	24.1
6	24	24.1
7	23.5	23
8	23.1	22.3
9	21.3	20.1

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- User Manual Bearing
- User Manual Bearing(Descriptive)
- Flowchart-VanaSRI-GoogleImageOverlay

Click here to open map to go co-ordinate form

excel file and upload

Select Excel file

After Giving All the inputs enter Generate Button below Latitude and Longitude and Area Displayed

CONVERSION

- Bearings to Lat-long
 - General Conversion
 - With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

- Map to GEO Co-ordinates

Generating Lat Long using Map

Download [Excel Format \(Example\)](#) [Help](#)

Latitude Longitude

Vertex No. Name of the Polygon

Do you Have Scale in MAP ☒ Yes ☐ No

Scale Cms Meters

Lengths Measured from Map using Computer ☐ Yes ☒ No

Length in Map(AB) cm Length in Computer(AB) cm

Magnetic Declination ☐ Yes ☒ No

☒ ClockWise ☐ Anti ClockW

Area may vary slightly due to error in measurements or old area computations etc.

Do you want area to be matched to the map area ☐ Yes ☒ No

Map Area: Ha

Do you Have Controlpoints ☐ Yes ☒ No

Area (in Ha)

Upload Excel Data Nallavalli_MapToGeo.xls

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- User Manual Bearing
- User Manual Bearing(Descriptive)
- Flowchart-VanaSRI-GoogleImageOverlay
- Demo Video 2 min
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- ILRMS VILLAGE MAPS Link

Click on generate Lat Long after entering all details

Output Screens

Conversion Details:

Vana SRI - Forest Survey and Research Initiative

CONVERSION

- Bearings to Lat-long
 - General Conversion
 - With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
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MAP BASED PROJECTION

- Map to GEO Co-ordinates

View Bearing Conversion Details

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All

By clicking here ,can view points By clicking below link , can download KML files By Clicking below link , can able to view on google maps

S.No	Name Of The Polygon	View Points	Area in Ha.	KML Download	View On Google Maps
1	N/A	View Points	1311.28947		
2	Arama200719	View Points	784.89447		
3	feroz rompally	View Points	358.68290		
4	&&&AA	View Points	-		
5	&&11	View Points	784.89715		
6	&&a1	View Points	1735.71460		
7	&1 Gazette Notification	View Points	-		
8	&1 Gazette Notification 213 New	View Points	-		
9	&2 State 1970 Gazette	View Points	-		
10	&3 1976 District Gazette	View Points	-		

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [ILRMS VILLAGE MAPS Link](#)

Click on Lat to Bearings Conversion:

Vana SRI - Forest Survey and Research Initiative

CONVERSION

- Bearings to Lat-long
 - General Conversion
 - With Control Point
 - Single Control Point
 - Multiple Control Points
- Closing Error
 - With Error Correction
 - Without Error Correction
- Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
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MAP BASED PROJECTION

- Map to GEO Co-ordinates

View Bearing Conversion Details

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All

This screen is displayed once clicked on Lat to Bearings Conversion

S.No	Name Of The Polygon	View Points	Area in Ha.	KML Download	View On Google Maps	View On Google Earth	View Points On Google Earth
1	N/A	View Points	-				
2	N/A	View Points	-				
3	N/A	View Points	-				
4	N/A	View Points	-				
5	N/A	View Points	-				
6	N/A	View Points	-				
7	N/A	View Points	-				
8	N/A	View Points	-				
9	N/A	View Points	-				
10	N/A	View Points	-				

OUTPUT RESULTS

- Conversion Details
- Lat to Bearings Conversion
- Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
- [Video VanaSRI-GoogleImageOverlay](#)
- [Telugu Paper on VanaSRI](#)
- [FAQ on VanaSRI](#)
- [ILRMS VILLAGE MAPS Link](#)

Map to Geo Co-ordinate Output screen:

Vana SRI - Forest Survey and Research Initiative

CONVERSION

- ▣ Bearings to Lat-long
 - General Conversion
 - ▣ With Control Point
 - Single Control Point
 - Multiple Control Points
- ▣ Closing Error
 - With Error Correction
 - Without Error Correction
- ▣ Lat-long Inputs
 - Lat-Long To Bearings-Dist
 - Multiple Control Points (on Lat-Long)
 - Calculate Area (Using Lat-Longs)

MAP BASED PROJECTION

Map to GEO Co-ordinates

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z All

SNO	Name of Polygon	Area Generated	Azimuth Bearing	KML Download	Google Earth	Google Map	Download Lat Long
1	srinivasulu-2019-	2000.00000000004	↓				
2	Test Adilabad	300.000000000254	↓				

OUTPUT RESULTS

1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

- [User Manual Bearing](#)
- [User Manual Bearing\(Descriptive\)](#)
- [Flowchart-VanaSRI-GoogleImageOverlay](#)
- [Demo Video 2 min](#)
- [Demo Video 18 Min](#)
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- [FAQ on VanaSRI](#)
- [IL RMS VILLAGE MAPS Link](#)

After clicking on Map to Geo Co-ordinates , below output is displayed

Click on View Points Click Generated latitude and Longitude Window Displayed

2 3 4 8 4
 Vana SRI - Forest Survey and Research Initiative

CONVERSION

- ▣ Bearings to Lat-long
 - General Conversion
 - ▣ With Control Point
 - Single Control Point
 - Multiple Control Points
- ▣ Closing Error
 - With Error Correction
 - Without Error Correction
- ▣ Lat-long Inputs
 - Lat-Long To Bearings-Dist
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MAP BASED PROJECTION

Map to GEO Co-ordinates

S.No	Name Of The
561	andugulapa
562	Andugulapad
563	Andugulapadu-wi
564	andugullapad
565	andugullapadu_t
566	andugullapadu_tes
567	andutest2
568	ankushapo
569	Ankushaj
570	Ankushaj

Close

S.No	Latitude	Longitude
1	16.04914300	79.68899300
2	16.04914300	79.68899300
3	16.0475395119718	79.6932306470233
4	16.0497176974139	79.6943446275449
5	16.0512464479253	79.6974041267368
6	16.0513164826779	79.6990359364591
7	16.051057356304	79.7026817140706
8	16.0504254686491	79.7045713780066
9	16.048984152119	79.7070155231431
10	16.0469761527675	79.7095454825402
11	16.0429707854275	79.7105102718768
12	16.0376867276461	79.7087124382156
13	16.0370444425754	79.7023856291651
14	16.0372085224031	79.698887926412
15	16.0328197504965	79.692116533751
16	16.0273027510586	79.6908812505231
17	16.0245908196416	79.6900306626803
18	16.0256121057141	79.6846221450463

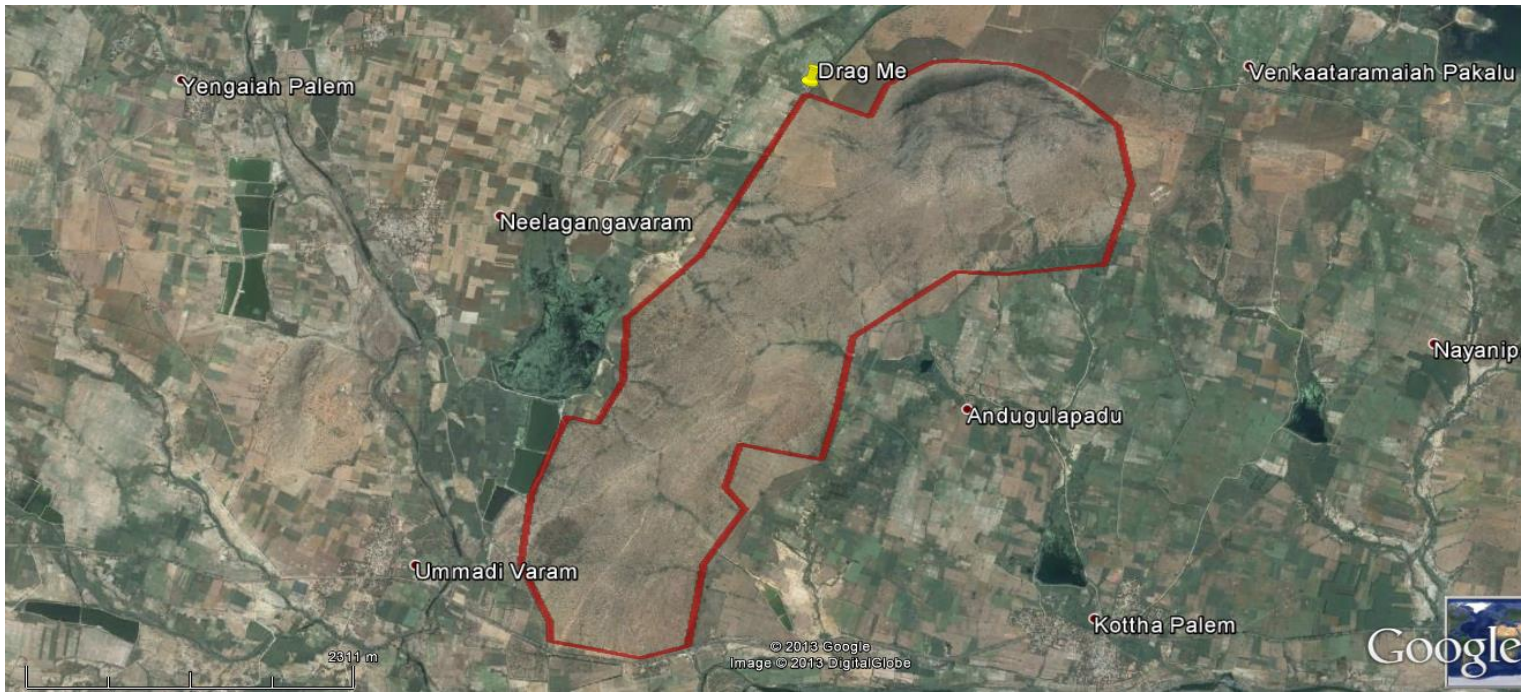
View On Google Maps

OUTPUT RESULTS

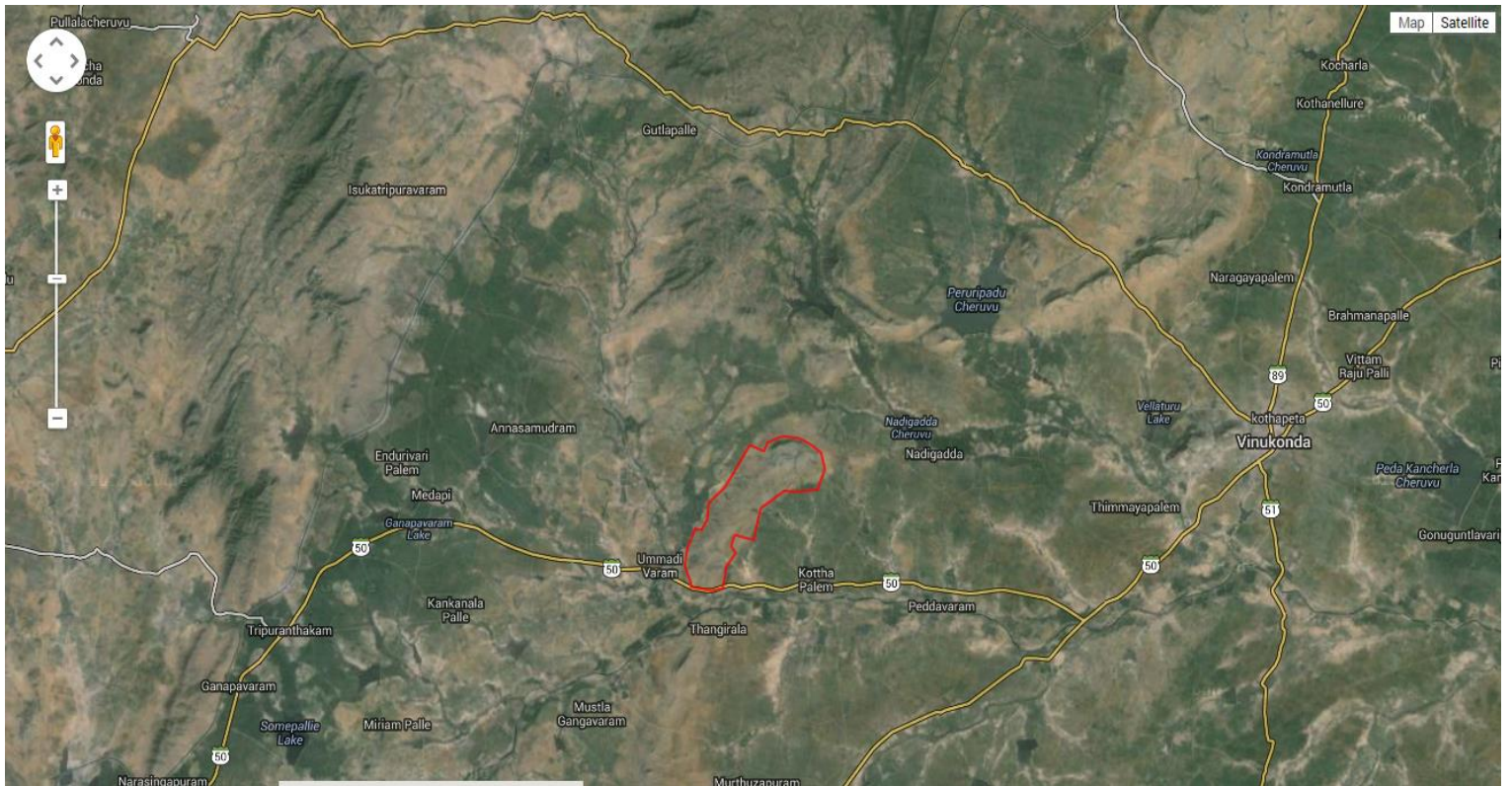
1. Conversion Details
2. Lat to Bearings Conversion
3. Map to Geo Co-ordinates

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- [FAQ on VanaSRI](#)
- [IL RMS VILLAGE MAPS Link](#)

Click on Google Earth Click Map is displayed in Google earth



Click on Google Map Click Map is displayed in Google Map



Click on View Points on map Click is displayed in Points displayed in Google Earth

