

Monitoring Pharmaceutical Drugs Store Using Spatial Analysis

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Session Title: Spatial Analysis in Academic Research

Date: Sunday, July 19, 2015

Time: 3:15 PM - 4:30 PM

Room: Catalina

ESRI Education GIS
Conference 2015

Pharmaceutical Drugs Monitoring



Drugs stores in Gujarat (India)



Monitoring the drug stores



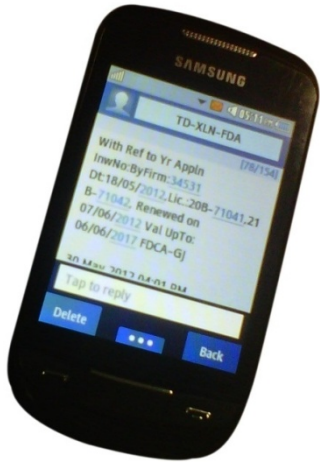
Inspections and Raids



Consumer awareness

Smart Governance

Intimation of grant of License / renewal of License to applicant through SMS.



Bulk SMS Alerts to all DEALERS, FDCA officers & other State Drugs Controllers regarding "Not of Standard Quality" drug for prompt & effective recall.



Government



Citizen



Enterprise

Food & Drug establishments in Gujarat State

The details of manufacturing units in the Gujarat State as on 16 th June 2012				
Allopathic	Ayurvedic	Cosmetics	Homeopathic	Total
2047	681	429	7	3164

The details of Sales units in the Gujarat State as on 16 th June 2012			
Retail	Wholesale	Retail / Wholesale	Total firms
13201	11720	2714	27635

Drug Samples

2009 – 2010			2010 – 2011			2011 – 2012		
Total Sample	NSQ	% NSQ	Total Sample	NSQ	% NSQ	Total Sample	NSQ	% NSQ
2567	325	12.66 %	4465	317	6.29 %	5333	463	7.99 %

Web Portal for monitoring the system



Geo - Spatial Analysis

Licensing Monitoring

Home

Location Info

License Info

Status

Samples

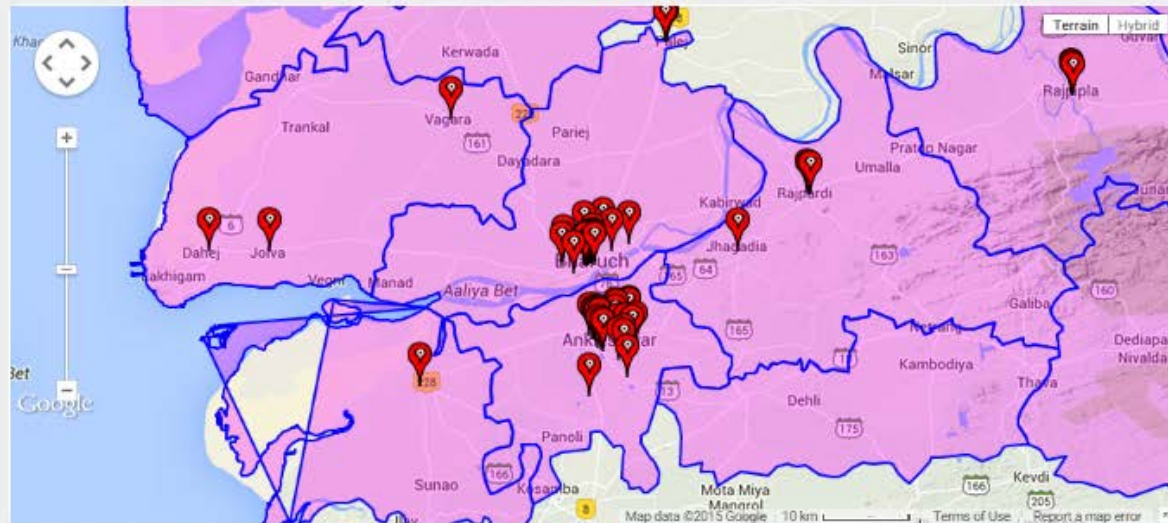
Find

Sample details

Sample Tested Result:

NSQ

Search



No. of Records:63

Sample id	Sample name	Dispatch date	Test Repo
154778	LUV KING AB. GAUZE (ROLLED) (5CM X 8MTR)	17-09-2014 00:00:00	31-03-2 00:00:0
154206	Absorbent Gauze Cloth	13-10-2014 00:00:00	30-03-4 00:00:0
75275	Care-4 Cream (15 gm)	29-10-2013 00:00:00	20-03-4 00:00:0

Finding Route

Home

Location Info

License Info

Status

Samples

Find Route

Contact Us

172.20.10.3

Enter Radius in kilometer:

140

GetData

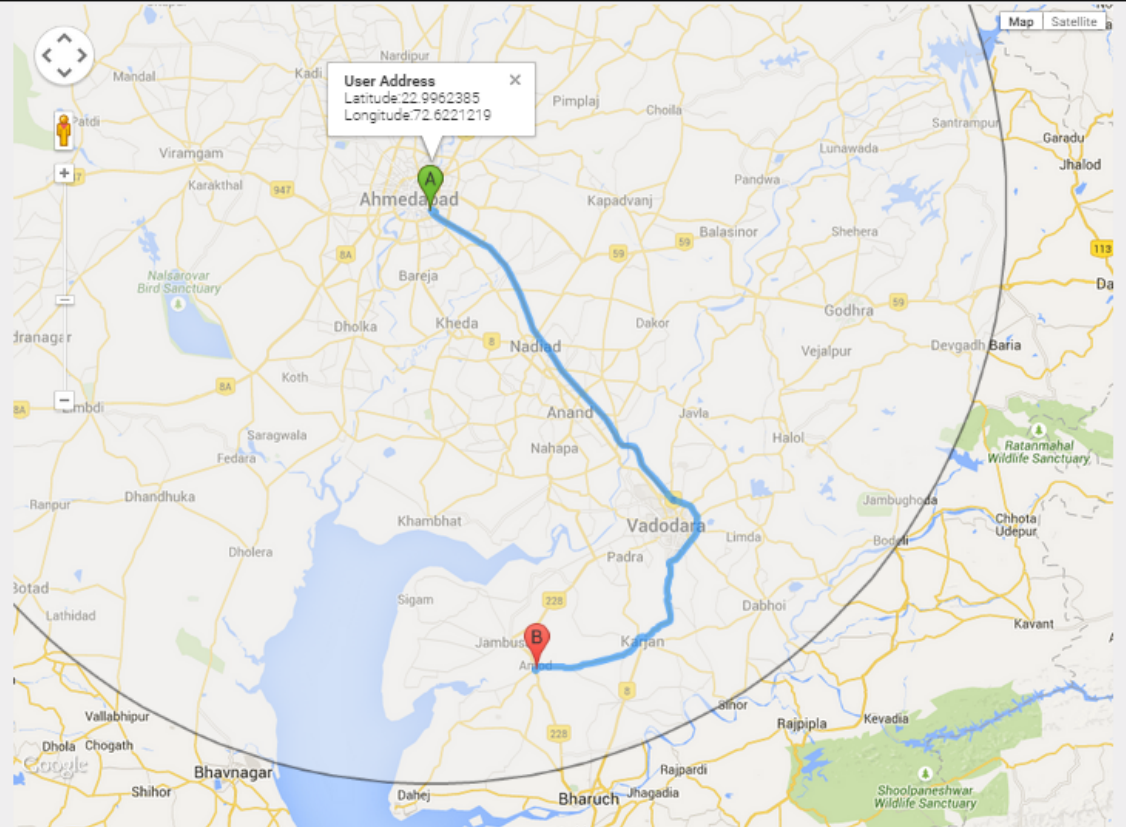
Select Destination Drug Store:

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Get Route

Directions(172 km - about 2 hours 28 mins)

1. Head west
-----83 m
2. Turn **right** toward **Lal Bahadur Shastri Rd**
-----0.1 km
3. Turn **right** toward **Lal Bahadur Shastri Rd**
-----0.2 km
4. Turn **left** onto **Lal Bahadur Shastri Rd**
-----0.2 km
5. At **Hatkeshwar Cir**, take the **4th** exit onto **Hatkeshwar Rd**
Pass by Palak Hospital (on the left)
-----0.7 km
6. Keep **right** to continue on **CTM Flyover 2**
-----1.0 km
7. Turn **left** onto **NH8**
-----0.2 km
8. Turn **left** onto **National Expressway 1**
Partial toll road
-----93.1 km
9. Continue onto **Sama - Savli Rd/NH8**
Continue to follow Sama - Savli Rd
-----1.0 km
10. Slight **left** onto **NH8**
Pass by GSPC CNG Pump, Karjan (on the left in 40.0 km)
-----43.6 km
11. Turn **right**
-----2.1 km
12. Turn **left**
Pass by Parthiv Bangloz (on the right)
-----0.3 km
13. Turn **right**
-----0.6 km
14. Turn **left** onto **GJ SH 160**
-----1.2 km
15. Continue onto **Karjan - Miyagam Rd/GJ SH 161**
Continue to follow GJ SH 161
Pass by National Youth Sports Academy (on the right in 1.0 km)
-----25.7 km
16. Turn **left** onto **Bhimpura Rd**

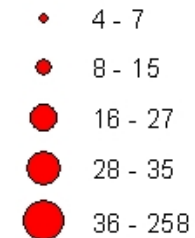


Population , Geographical Area and Spatial Distribution of stores

Legend

Number Of Drugs Stores

Shops

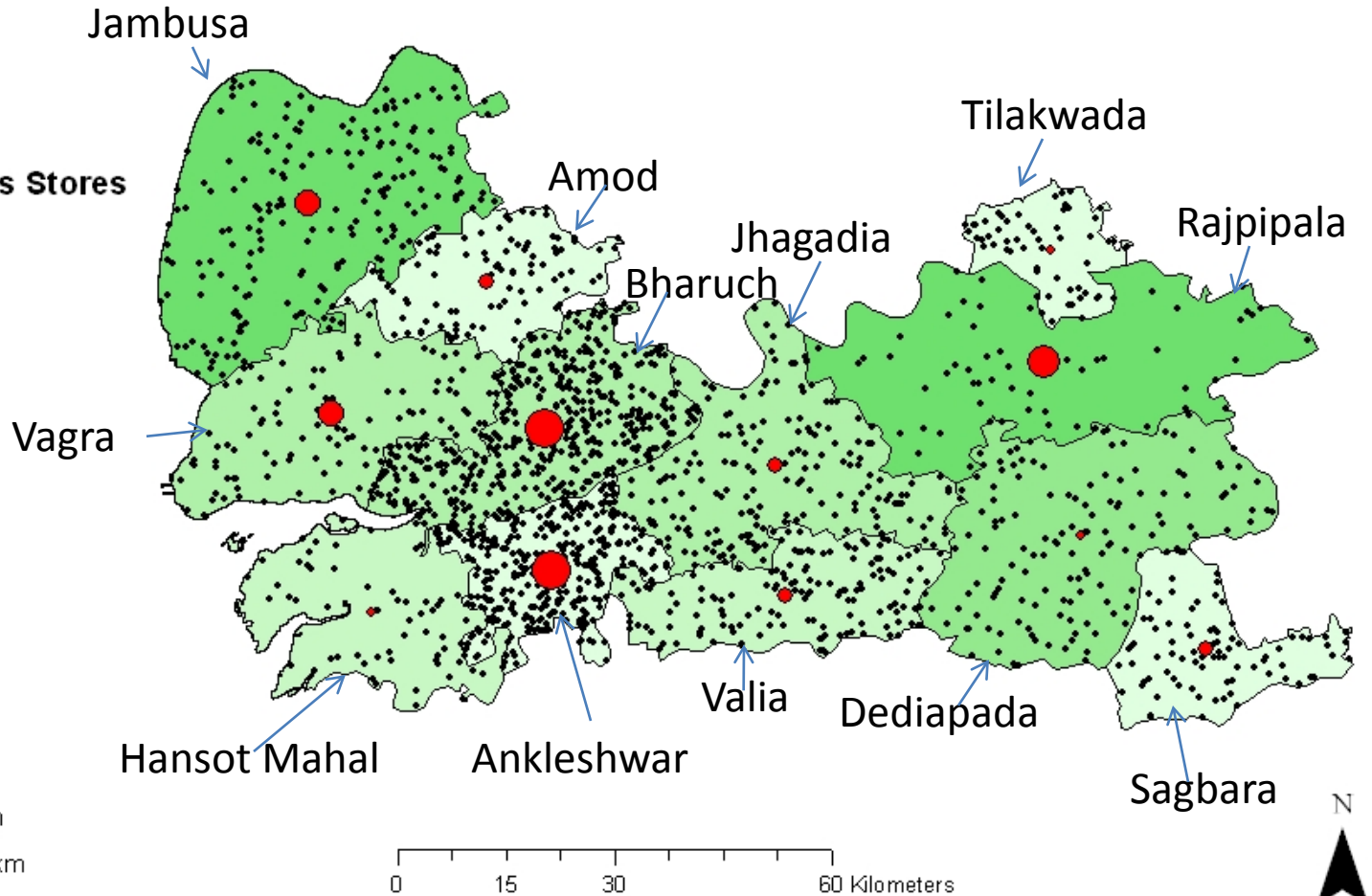
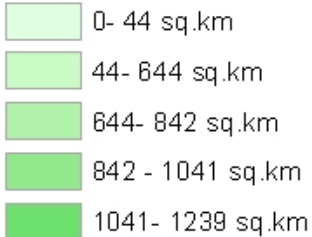


• 1 Dot = 1,000

• Pop

Area Of Talukka

Area





**Geo Spatial Technology is helping
enhancing E – Governance to
Smart Governance**

Thank You

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