ITIHAS – Aarogya Setu Fusion Analytics

User Manual Version 2.1

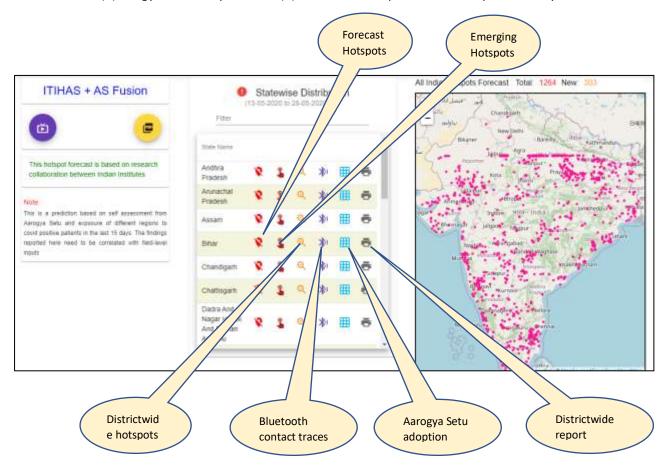
Date: 02-June-2020

Welcome to ITIHAS - Aarogya Setu Hotspot Forecast System. This is a prediction based on self-assessment from Aarogya Setu and exposure of different regions to covid positive patients in the last 15 days. To enable pointed action, the analysis is done for every district, every pincode drilled down to sub post office level (places). Note that there are multiple places under one pincode and we drill down to each of those places.

Based on the analysis we classify each area as PINK (Immediate Scrutiny), Amber (Scrutiny), Deep Blue (Immediate Watchlist), Light Blue (Watchlist).

When you login using your State Login you will see the details regarding your state in the middle of the frame.

Six different details are provided about your state, which are available by clicking these six icons. The details are, (1) Forecast Hotspots (2) Emerging Hotspots (3) District wise Hotspots (4) Bluetooth contact traces (5) Arogya Setu Adoption and (6) District wise report. We will explain one-by-one.



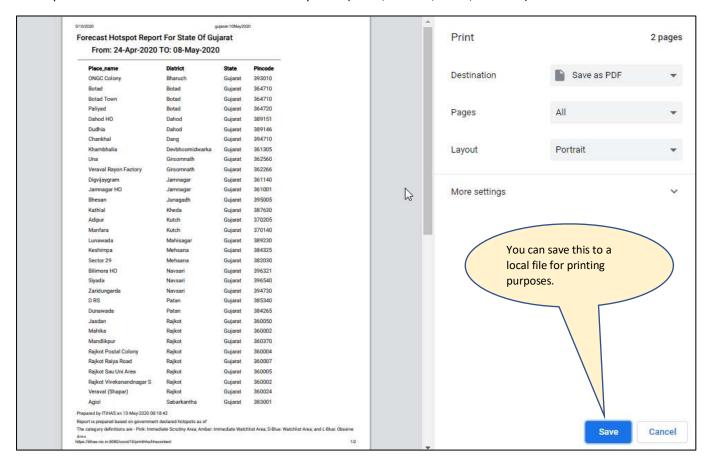
Forecast Hotspots

These are PLACES (Sub post office level) that are in districts not announced as RED zones by the Government. Study in the last one month has shown that these areas eventually turned into RED zones in the next 10 to 17 days.

Click on this icon

to download all the Forecast Hotspots in your state.

The report in PDF format will list all forecast hotspot as (Place, District, State, Pincode)



To Go back to the main page, click the cancel button.

Emerging Hotspots

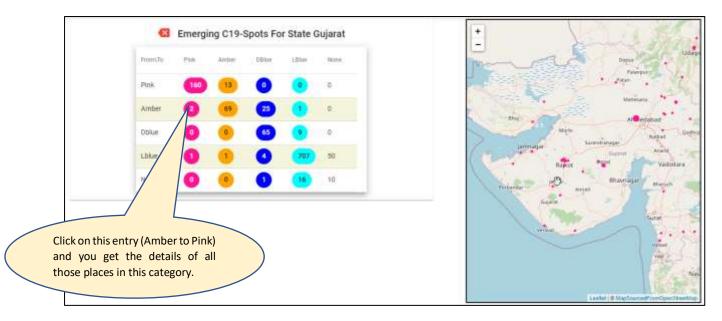
These are places that move from one category to another category between the previous and current analysis. The places that move from lower to higher category (For e.g. Light Blue to Amber) are places to be immediately attended to. The Matrix shown here lists for your state the number of areas that moved FROM CATEGORY (Row) to TO CATEGORY (Column).

To view the emerging hotspots, click this



icoii.

When you click on this icon, you will see the following page.



When you click on a button, you will see the page with following details. When you mouseover the bars, you can see the place details along with pincode.



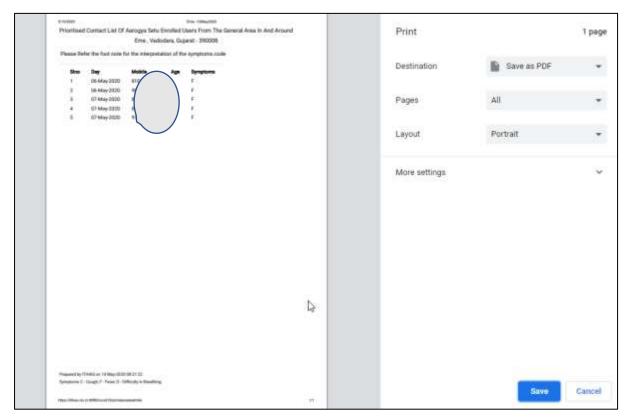
Click on each of those places and you get details about the places, as shown below.



In the above image, the Movement details show the movement of covid positive patients who visited the place in the last 15 days is shown on the map. This gives an idea of how containment has worked in this place and indications of spread.

You can Zoom-in and Zoom-out on the map to study the movement in finer detail.

You can download all the Aarogya Setu callers from this PLACE. You will see their Mobile number, date of calling, Age and Symptoms. Symptoms are F: Fever, C: Cough, D: Difficulty in Breathing. A combination of these are also possible. For e.g. FD: denotes Fever and Difficulty in Breathing, while, CFD: Denotes Cough, Fever and Difficulty in Breathing.



In the above image, the mobile numbers are greyed out for privacy reasons.

To go back to the main page, click this



RED Icon

Districtwide Analysis

Click this Orange

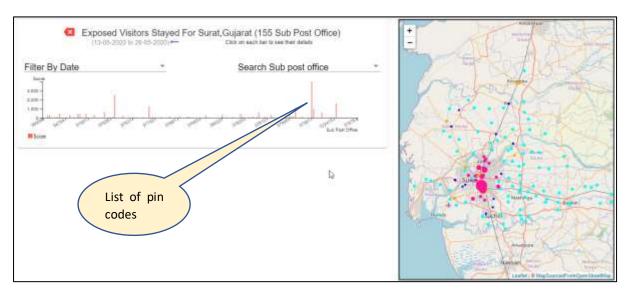


icon to do district wise analysis.

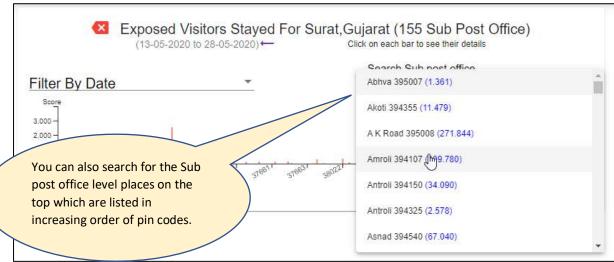
Clicking this icon will take you to the list of districts.



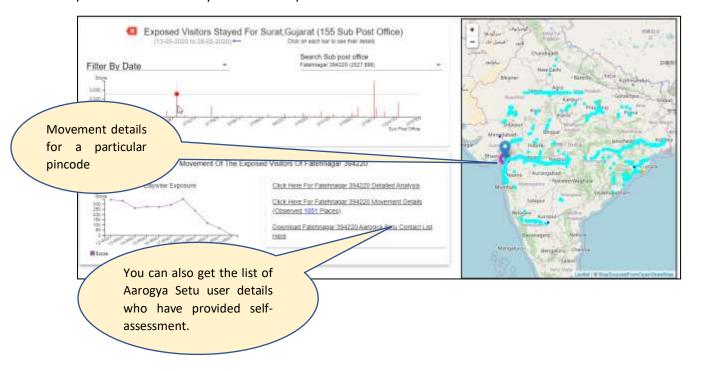
Clicking on a district you see the covid exposure bars of all PLACES at Sub post office level in that district.



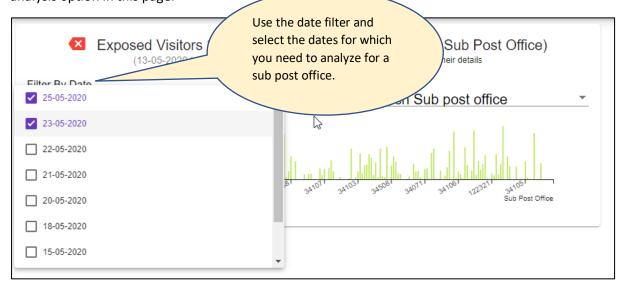




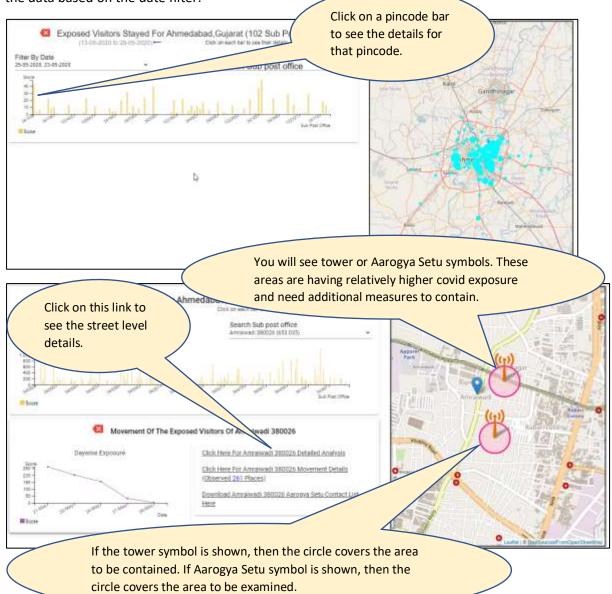
You can click the bars to get details of the PLACES, wherein you can monitor the movement to that place in the last 15 days from the map.



To get street level details, to help the local authorities, you can use the date filters and detailed analysis option in this page.



After selecting the dates, click on the main page to reflect the changes. The page will refresh to display the data based on the date filter.







RED button to return to the district page.

Click the



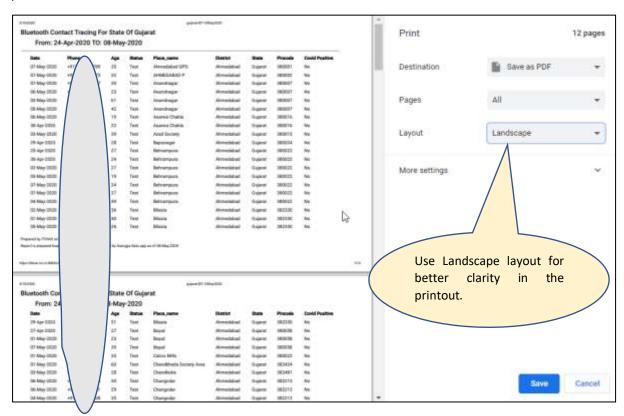
RED button to return to the main STATE page from district page.

Aarogya Setu Bluetooth Trace list



Click on this icon

You will get the list of all blue tooth traced mobile numbers from Aarogya Setu APP in your state, categorised as Place, District, State, Pincode, Mobile Number, and whether they are tested Covid positive or not.



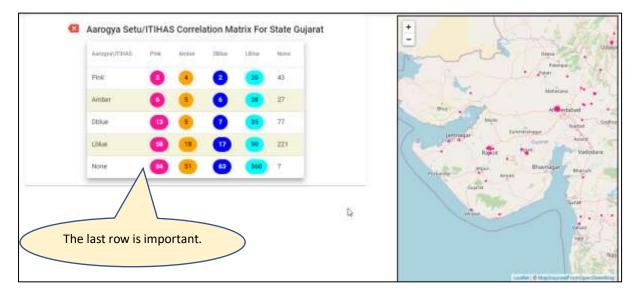
In the above image, the mobile numbers are greyed out for privacy reasons.

Aarogya Setu - ITIHAS Correlation Matrix

Adoption of Aarogya Setu by public is a crucial factor in the post lock down time.

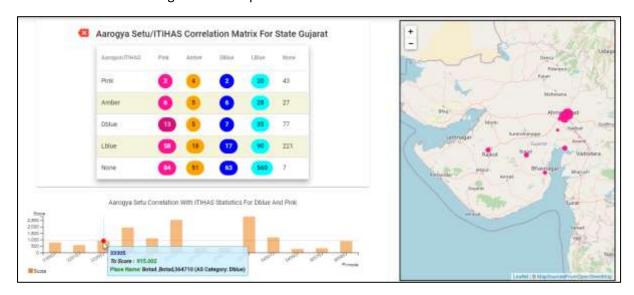


In this matrix the rows correspond to Aarogya Setu and the columns correspond to ITIHAS.



Each entry tells how much the prediction of Aarogya Setu correlates with that of ITIHAS. **The last row** is important. This states how many PLACES at sub post office level have not installed Aarogya Setu.

Click on those buttons to get the list of places.



Contribute to the Fight against Covid by encouraging people in these areas to install and use Aarogya Setu.

lick this

RED Button to go back to the State page.

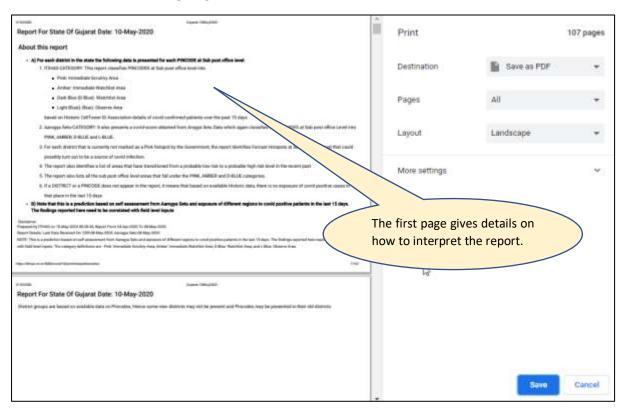
Hotspot Report for a state



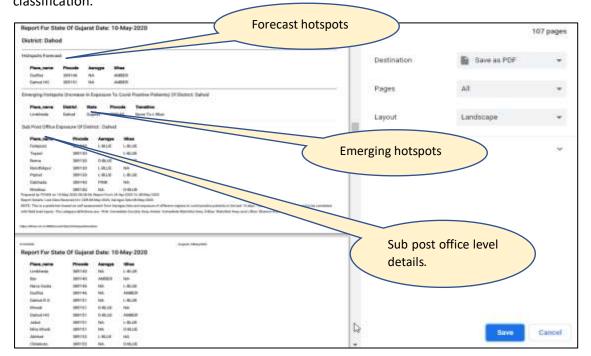
The last PRINTER

Icon is a comprehensive report for your state.

Click on this Icon and a PDF gets generated.



The PDF has for every district, the forecast hotspot, emerging hotspots and for every PLACE at sub post office level the category (PINK, AMBER, Dark Blue and Light Blue) as per Aarogya Setu and ITIHAS classification.



Please see the video on the portal for further clarity on how to use the portal effectively.

Please reach Dr. V. Kamakoti, at kama@cse.iitm.ac.in for any queries. Mobile number is: 9380969092.

Thanks for reading this user manual.

Together, let us drive Covid away from this world.