

Figure1: Map showing percentage urban population living in slums all over the world Ref:worldbank.org

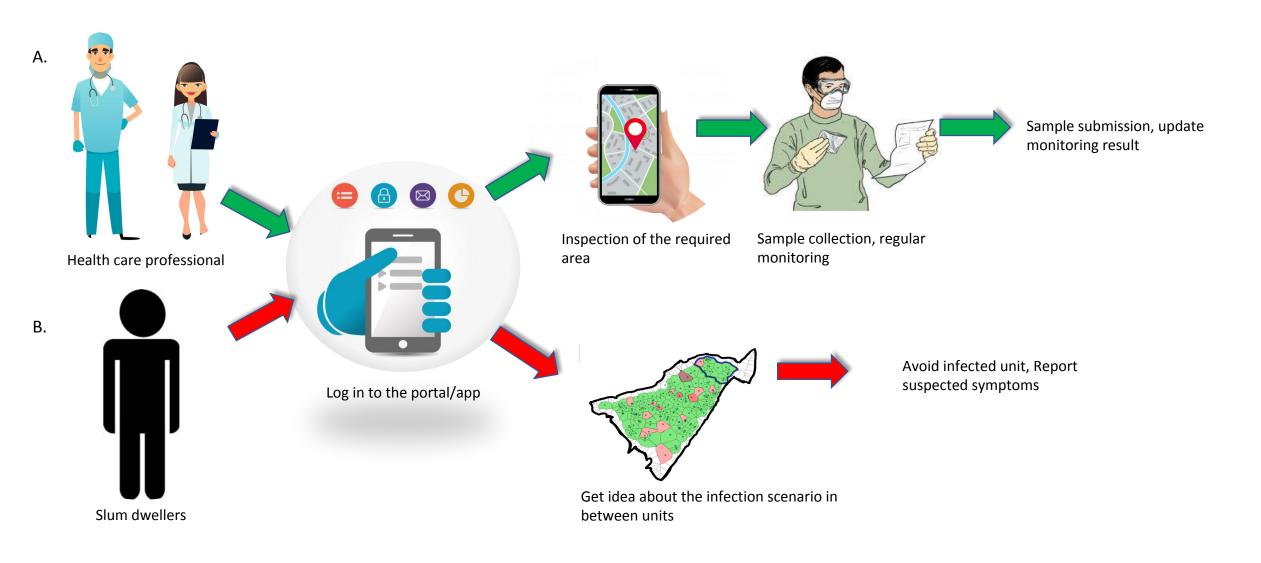


Figure 2: A.Work life of health care personnel and B. normal slum dweller

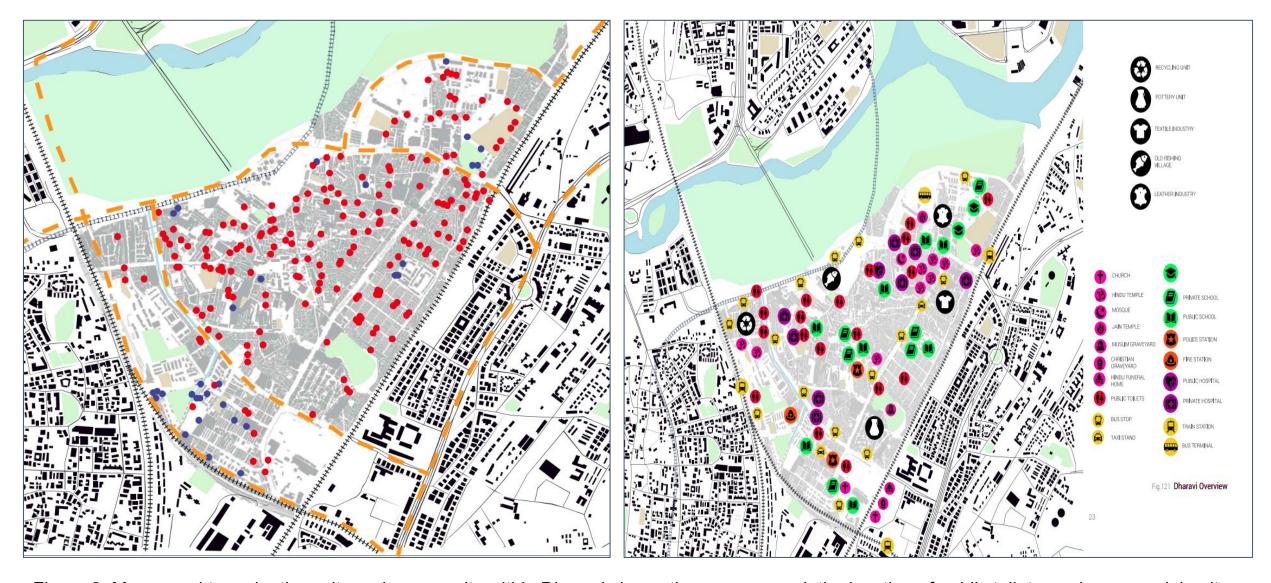


Figure 3. Maps used to make the units and super units within Dharavi slums. these maps mark the location of public toilets, and commercial units Ref: https://www.semanticscholar.org/paper/Dharavi%3A-Merging-Boundaries-Kundliwal/60c2a01ab9cdc82b3c9dbc70568b23eef26de5e4

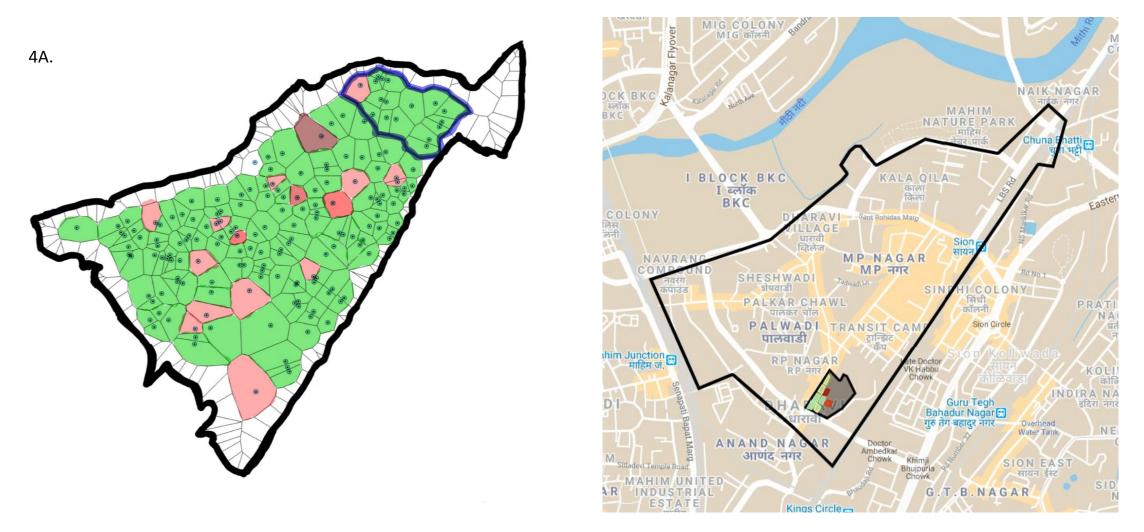


Figure 4A. Our implementation of segmentation of dharavi slums nto units and super units. Blue borders mark a sub unit based on commercial structure and light black boundaries mark the units which include at least one public toilet. Red mark the already infected units and Green mark the units which are not infected. These maps will be available on our web platform and will be distributed to different units in the community by health workers. We have used voronoi tessellation to make sure that at least one toilet exist in units

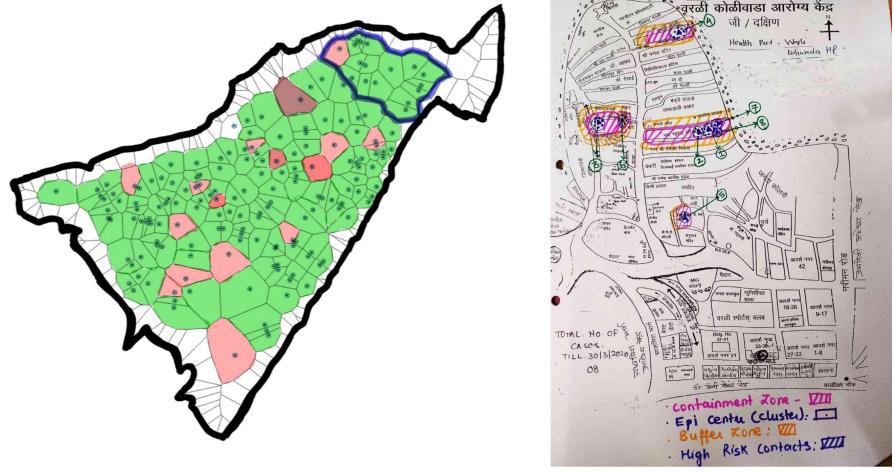


Figure 4B. Left:Proposed map for Dharavi. Additional information about locations will be added and can be referred from google map overlay available on web service, Right:Current map used by Worli area in Mumbai slums for Covid 19 containment.

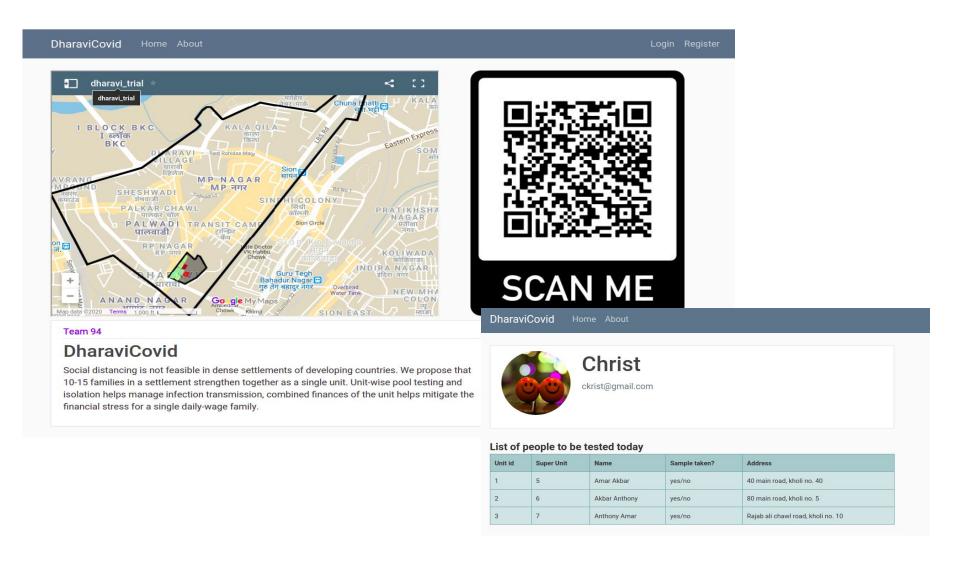


Figure 5. Screenshots of web platform developed for slum dwellers and healthcare workers. On the right we show the daily list of test to be performed by a healthcare worker

Cottage industry type-1



Trade between units to

sustain local supply

Cottage industry type-2



Figure:

