**MAPPING THE VACCINATION CENTERS IN LUCKNOW DISTRICT**

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This Project is aimed to show the **distribution of the Vaccination Centers** in Lucknow district. Separate maps for Lucknow Urban and Rural have been incorporated so that a better picture can be shown. Important Road Networks have also been layered into map to show **accessibility**.

**METHODOLOGY**

The Base Maps were taken from various **Open Sources** provided on the **Mapathon** portal and some base maps were also taken from **local authorities** in Lucknow District. Also, Points have been marked using **Landsat** data available on **Google Earth.**

QGIS has been used for whole process of map making. The following processes are involved:

1. **Geo-Locating** and Exporting the CHCs and Medical Centers as points on Google Earth in **.KML format**.
2. **Adding base maps** of Lucknow District in QGIS .
3. **Digitizing** the major Roads Networks and Rivers.
4. **Layer Styling** and
5. Final **Map Composition**.

**COMPLEXITY**

Following Complexities had arisen while completing this project:

1. Creating Shape files of various complex road networks and rivers was a tedious task.
2. Some tools like editing tools, vertex tool etc.
3. Superimposing Google Earth and OSM on Shape files was not done properly
4. Lots of research was required to know the functioning of plugins.

**APPLICATIONS**

This Project has a wide Application for the people living in Rural and Urban areas of Lucknow District by providing a map where all the vaccination booths have been demarcated so as to provide in depth knowledge of Vaccination Booths in their respective blocks, which will reduce the chaos as soon as the Vaccination drive starts. Prior Knowledge will help the people to avail the Vaccination facilities. In the map, **Accessibility** in form of National Highways, State Highways and District Roads has also been shown which will save their time and will also help in traffic management due to the prior knowledge of Vaccination Booths near to their locality.

Hoping the map will serve the society in handling and eradicating this deadly virus and create peace and healthy life.