

# Capestone Final Project

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# Jaipur has a good opportunity for business

Jaipur is the capital of India's Rajasthan state. At the centre of its stately street grid (notable in India) stands the opulent, colonnaded City Palace complex. With gardens, courtyards and museums, part of it is still a royal residence. As a capital city it has a good opportunity for an individual/business to open the restaurant/ coffee shop/ cafe near the city centre.

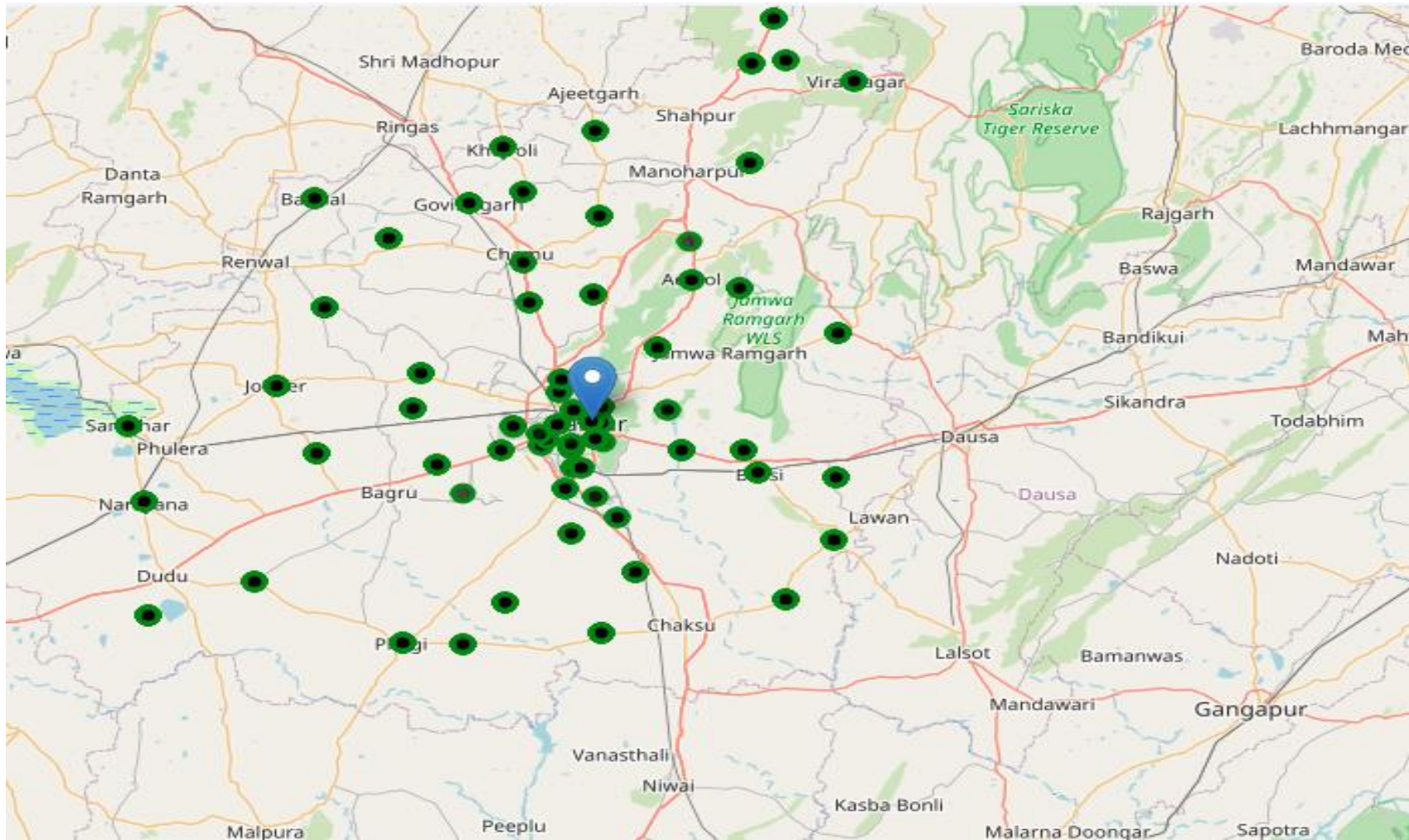
This project is focusing on, finding the places where a \*restaurant/ coffee shop/ cafe\* can be opened. The project will lead to the destinations where there are \*few or no restaurants\* having the \*optimal distance\* from the \*city centre\*.

# The following is the procedure

We will require the process

- ▶ Get all the **picodes of Jaiupr city**
- ▶ Clean the data and will aquire almost all picodes near the location
- ▶ **Get the coordinates of pincodes using geopy**
- ▶ Use **Foursquare** to explore the needed venues with respect to all the locations we have
- ▶ Apply **k-means** to get the clusters having less venues
- ▶ Use **Folium** to plot the map wherever required

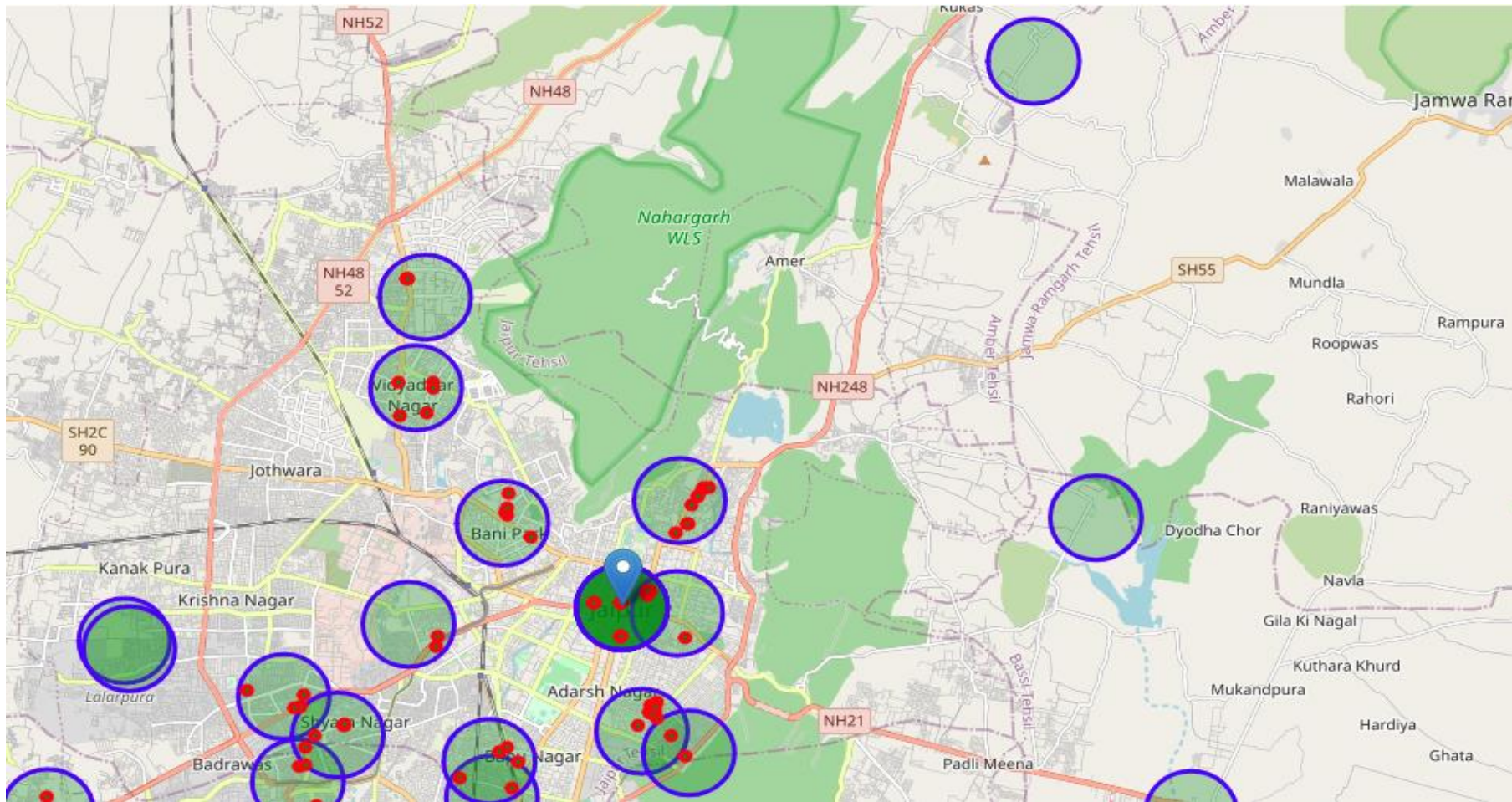
# Locations from the city center





# After filter

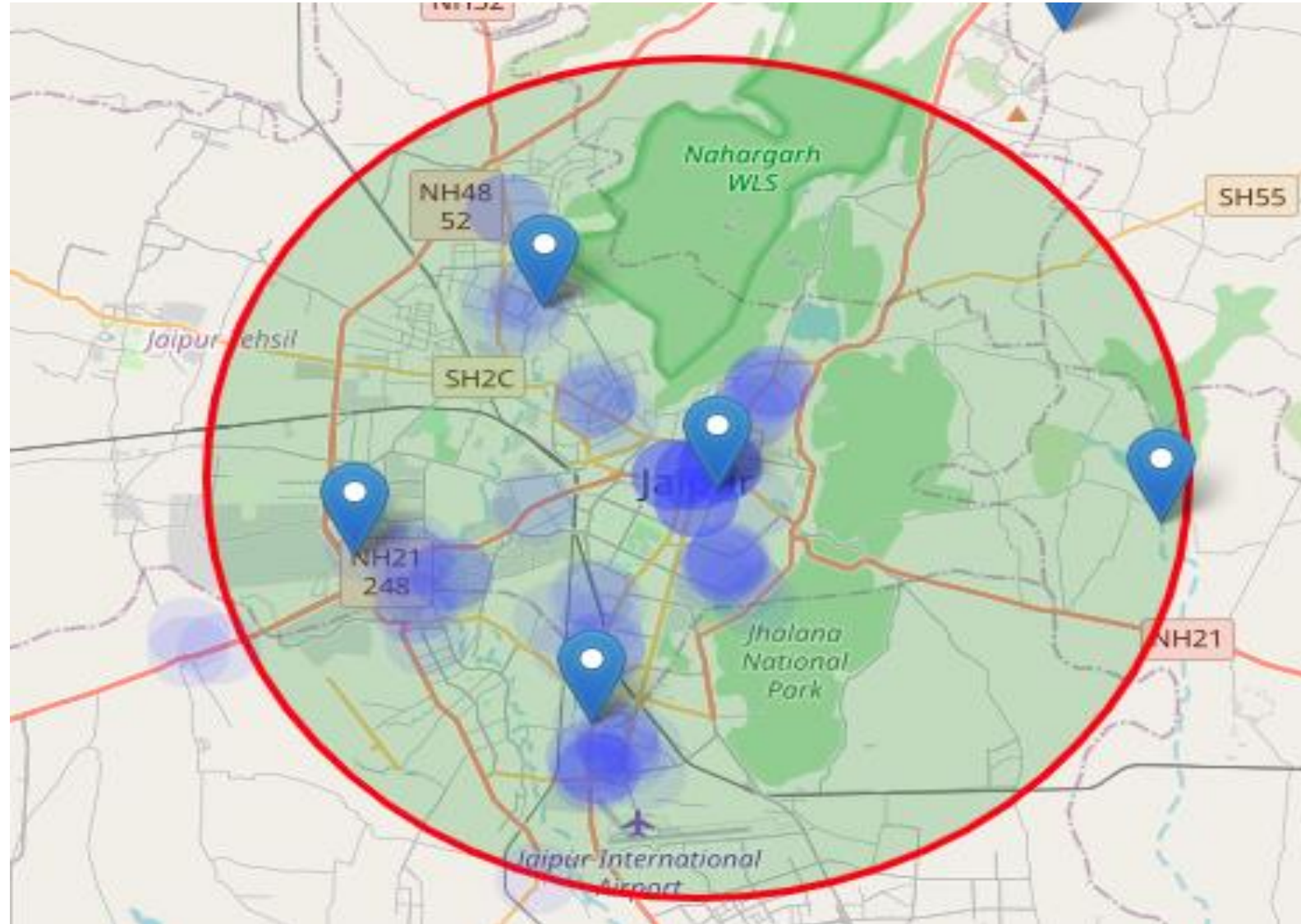
- Circle denotes the area
- Red dot denotes the no of venues



# Addresses of centres of areas recommended for further analysis

1. Shiv Nagar, Vidyadhar Nagar, Jaipur Municipal Corporation, Jaipur Tehsil, Jaipur, Rajasthan, 302039, India
2. Tagore Nagar, Badrawas, Jaipur Municipal Corporation, Jaipur Tehsil, Jaipur, Rajasthan, 302021, India
3. Sanganer Tehsil, Jaipur, Rajasthan, 302022, India
4. TRatanpura, Bassi Tehsil, Jaipur, Rajasthan, 302031, India
5. Khoramina, Kukas, Amber Tehsil, Jaipur, Rajasthan, 302028, India
6. Durgapura, Bapu Nagar, Jaipur Municipal Corporation, Sanganer Tehsil, Jaipur, Rajasthan, 302015, India
7. Moti Doongri Road, Fateh Tibba, Adarsh Nagar, Jaipur Municipal Corporation, Jaipur Tehsil, Jaipur, Rajasthan, 302004, India

# The final map





# Conclusion

This concludes our analysis. We have created 15 addresses representing centers of zones containing locations with low number of restaurants. These seven locations have less than 7 restaurants in the corresponding area, so it's good to observe these sites. Although zones are shown on map with a radius of ~1000 meters (green circles), their shape is actually very irregular and their centers/addresses should be considered only as a starting point for exploring area neighborhoods in search for potential restaurant locations. Most of the zones are located in Jaipur, which we have identified as interesting due to being popular with tourists, fairly close to city center and well connected by public transport.



Thank-you