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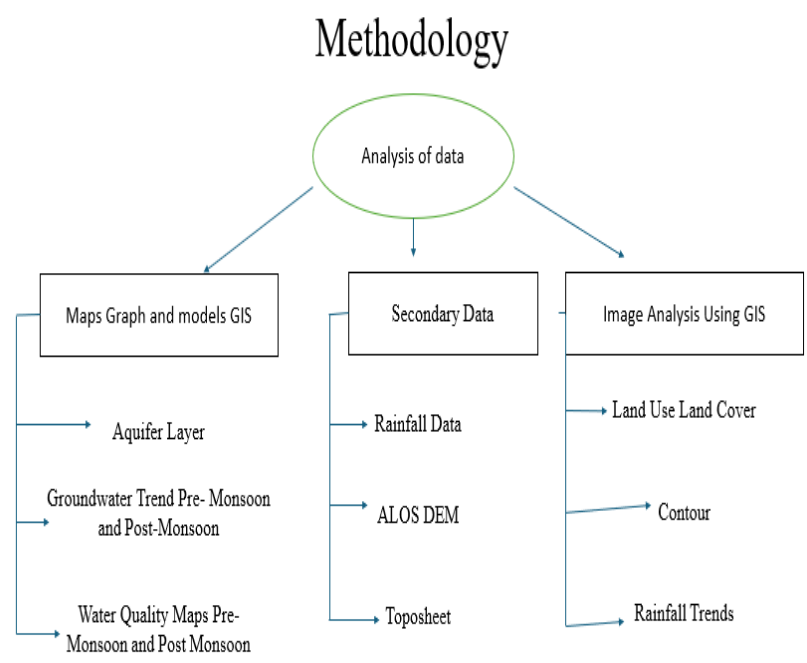


**03 Oct 2023 to
03 Apr 2024**

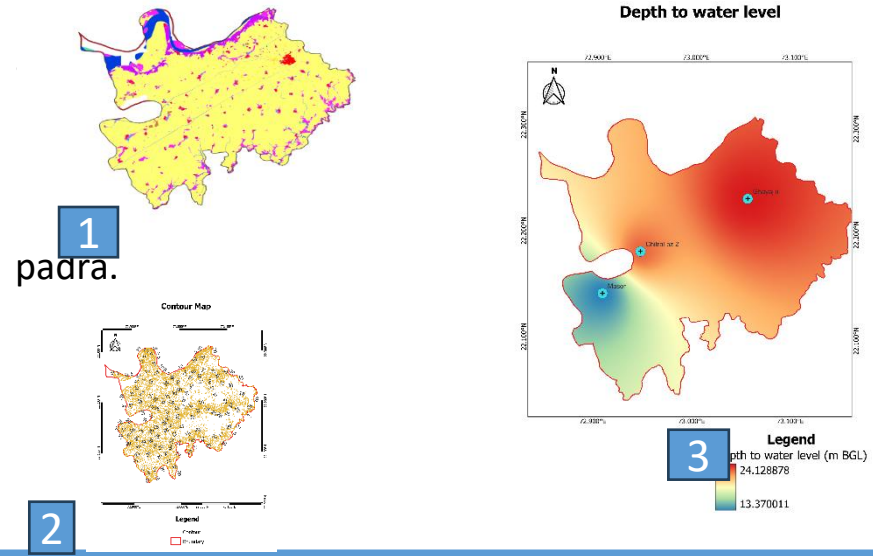
MAJOR OBJECTIVES:

The objective of groundwater analysis in Padra is to evaluate its quality, quantity, and sustainability, aiming to understand its impact on the local environment, agriculture, and community, as well as to develop effective management strategies for its sustainable use.

METHODOLOGY FLOW CHART:



RESULTS/MAJOR FINDINGS:



- 1) image 1 shows the lulc of study area padra
- 2) image 2 The study's elevation ranges from 24 meters above mean sea level (AMSL).
- 3) image 3 shows the depth to water level in

CONCLUSION: The investigated study area in Luna village, Padra Taluka, Vadodara, is mainly covered by recent to sub-recent Quaternary Alluvial deposits, including Gujarat Alluvium comprising Holocene age (30-60m) and older Jambusar Formation (300m) of Pleistocene age, consisting of various sediments such as clays, sands, gravel, and kankars, occurs at depth below Gujarat Alluvium.