**Methodology**

**ISRO Data Use:** SATELLITE IMAGE - LISS-III

**GIS STEPS:** 1.First we have to open the qgis software.

2.If in software “scp” plugin is already installed then direct open the image but if not then go to plugin option and click on manage plugin and in search bar search the plugin name SCP, and when its shows click on installed.

3.After installing scp, click on scp and click on show plugin.

4.When scp plugin open click on band set option and open the raster image.

5.Then click on the create new training input and create a new training input.

6.After that click on the roi polygon to select your roi for different region. After select roi give them a unique name in below scp dashboard and when all done merge the classes into one classes. As per follow create all the classes.

7.After creating all the classes click on band processing in scp plugin click on classification and choose the classification(in this project I choose minimum distance ).

8.Then click on run and it will ask for a file name. Give a file name and click ok.

9.The supervised classification map is ready.

**USE OF THIS MAP:**  With this map we can know the changes of reserver area as per the precipitation rate in every year and also the land cover changes of the sorroundings area. Its shows that if the reserver has so much of water in a particular year then with the help of this water the agriculture field growth of sorroundings area are rapidly increase and a huge amount area annual crop production increases.