UNSUPERVISED CLASSIFICATION

#AIM: Perform an Unsupervised Classification for any study area of our locality(phalodi,jodhpur). It include the following classes:

1)Forest

2)Agriculture

3)Water

4)Built Up Area

5)Open Area

#COLOURS USED FOR DIFFERENT CLASSES:

1)Water-Skyblue

2)forest-Red

3)Agriculture-Light green

4)Building Area-mustard

#DATA DOWNLOAD:

5)Open area-Navy Blue

6)Other stuff-Yellow

PROCEDURE:

1)Select the address in the earth explorer.

2)Select the range of area over which we want to perform survey and then select cloud cover upto 10% and date range.

3)select the landsat 8 in the Data set	
4)click on results and download the suitable data set. #WORK IN QGIS:	
1)Install SCP plugin which we will use for	
a)Bandset selection	
b)Band processing and clustring c)postprocessing-this includes reclassification of data. 2)put corresponding values of diffrent classes in above screenshot and then click on run.	
3)Select corresponding colours for different classes and then apply and click ok.	

