

19F-0228

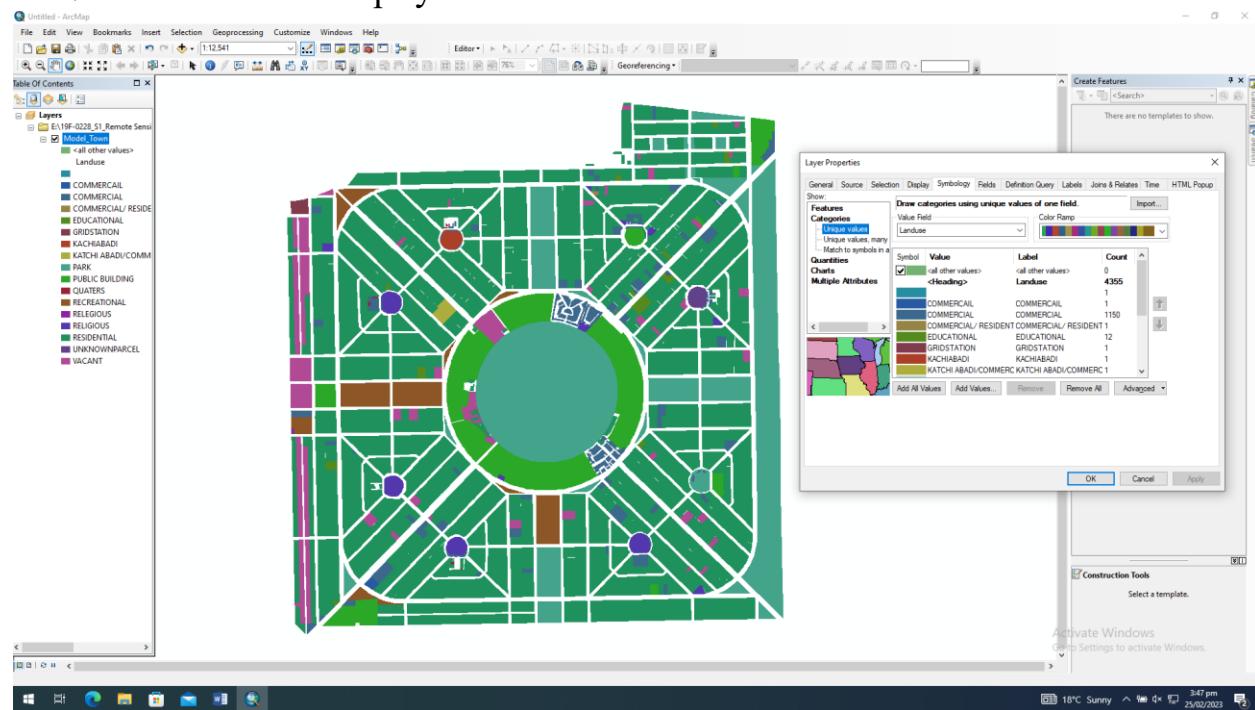
Muhammad Zain

Remote Sensing

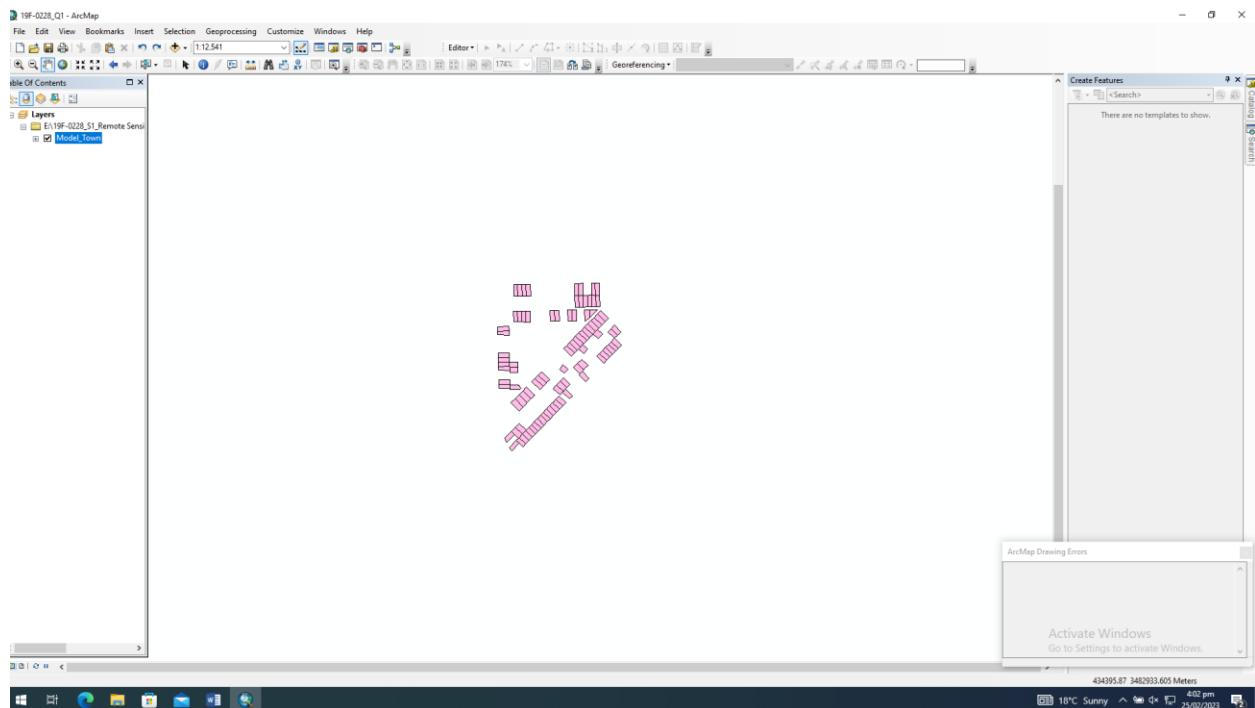
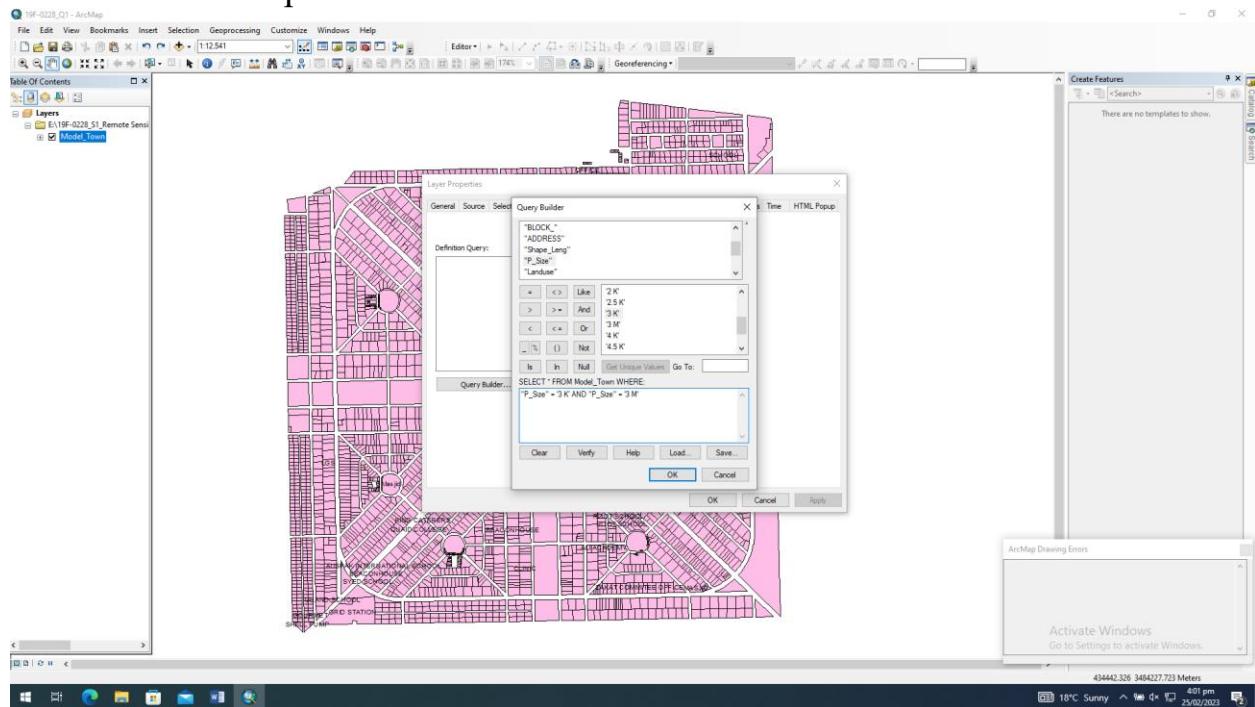
Mid 1-2023

Q1: Working on Shapefiles.

- Convert and display the dataset of Model Town based-on Land use field.



ii. Filter the plot size of 3 Marla and 3 Kanal which falls in the commercial area.

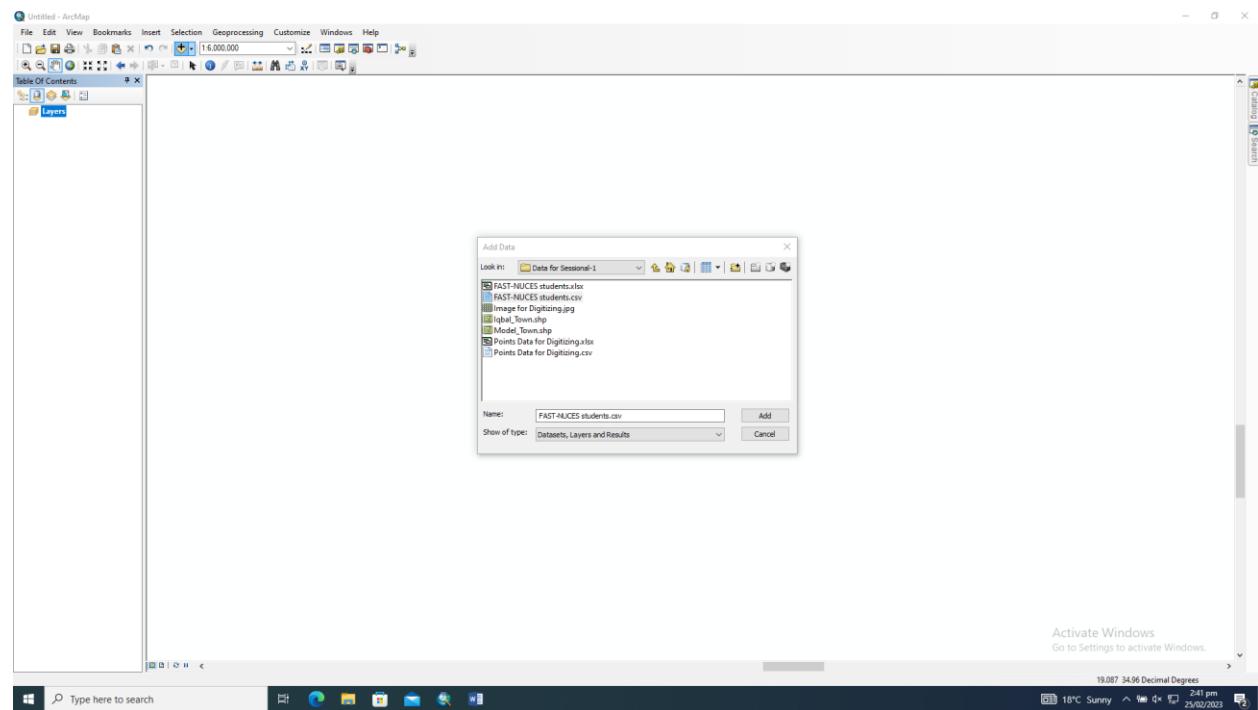


iii. Select a suitable commercial land in the Model Town area for FAST-Campus and store it in the attribute table. Display the selected location on the map and label it.

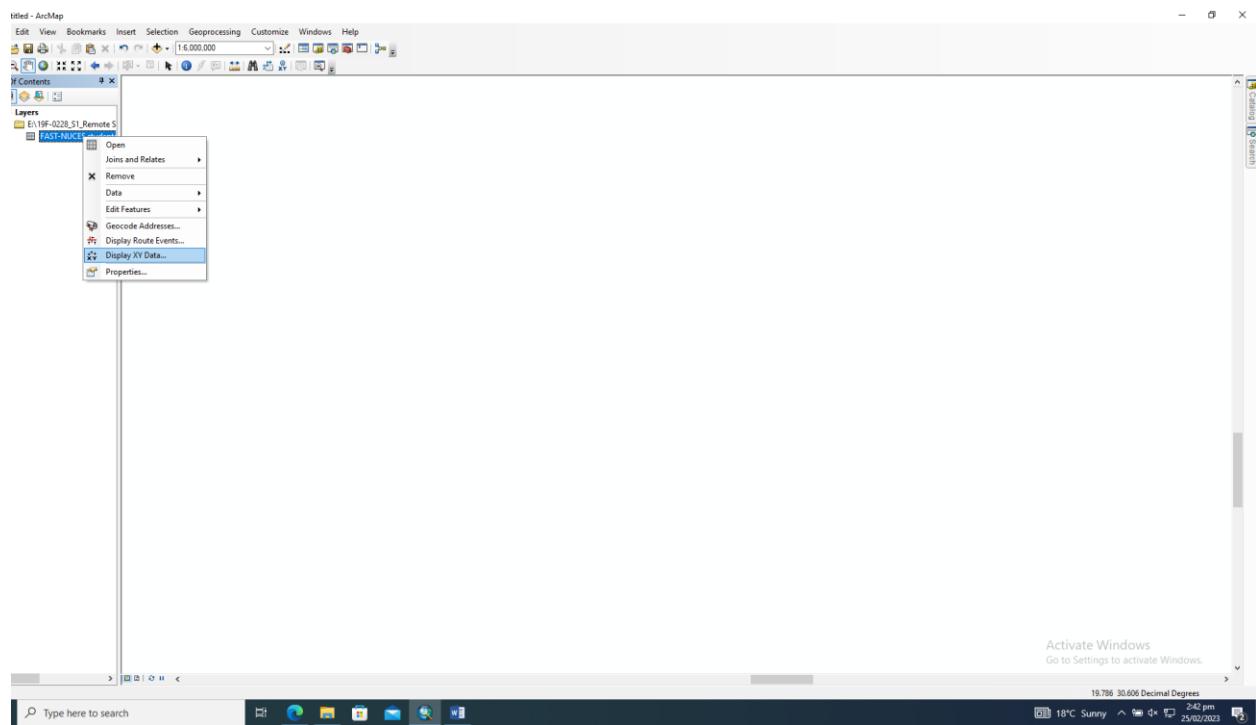
- iv. Identify the educational places in the Model Town using attribute query.
- v. Export your results of the last query in pdf format and your output must have all components of the map.

Q2: Importing Data to ArcMap using FAST-NUCES Students CSV file.

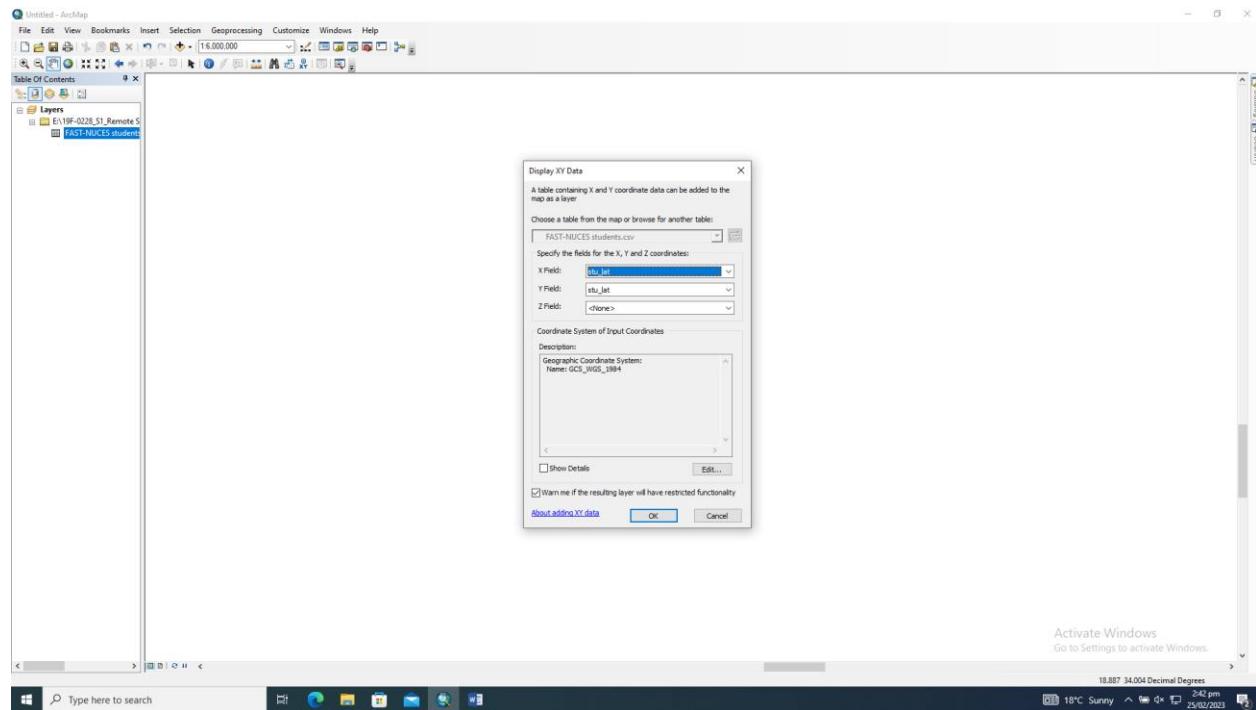
Importing CSV file



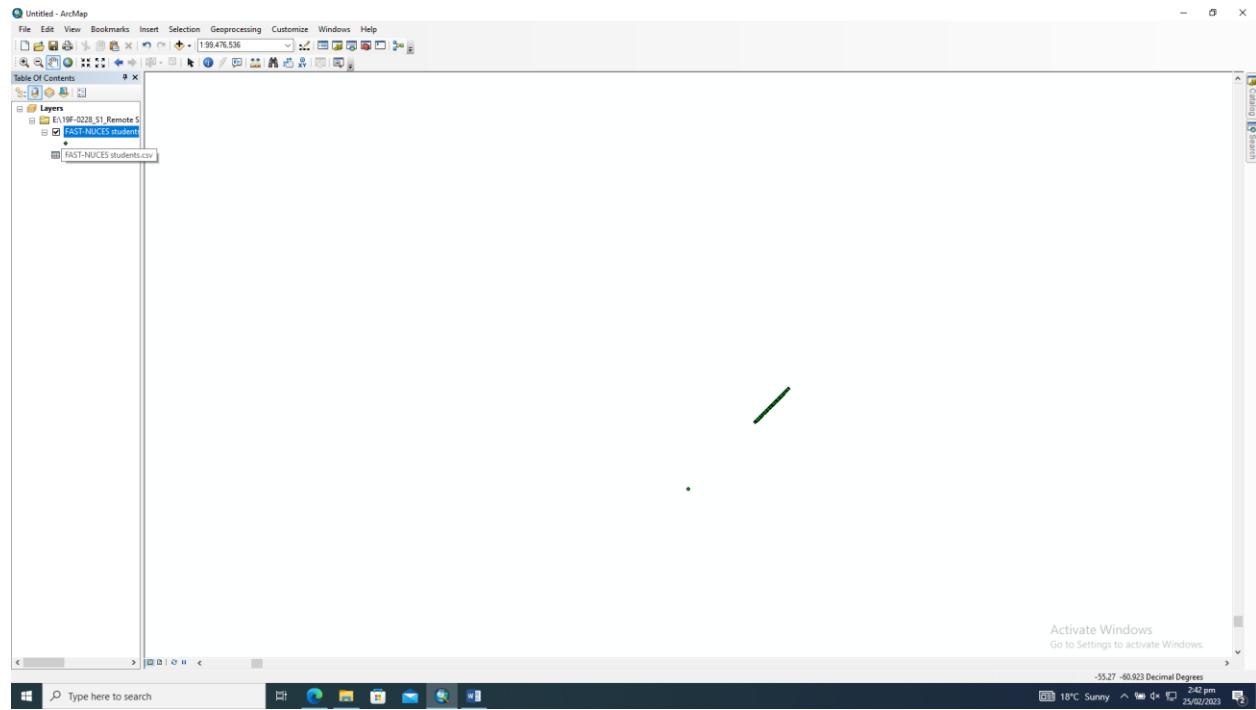
Display XY data



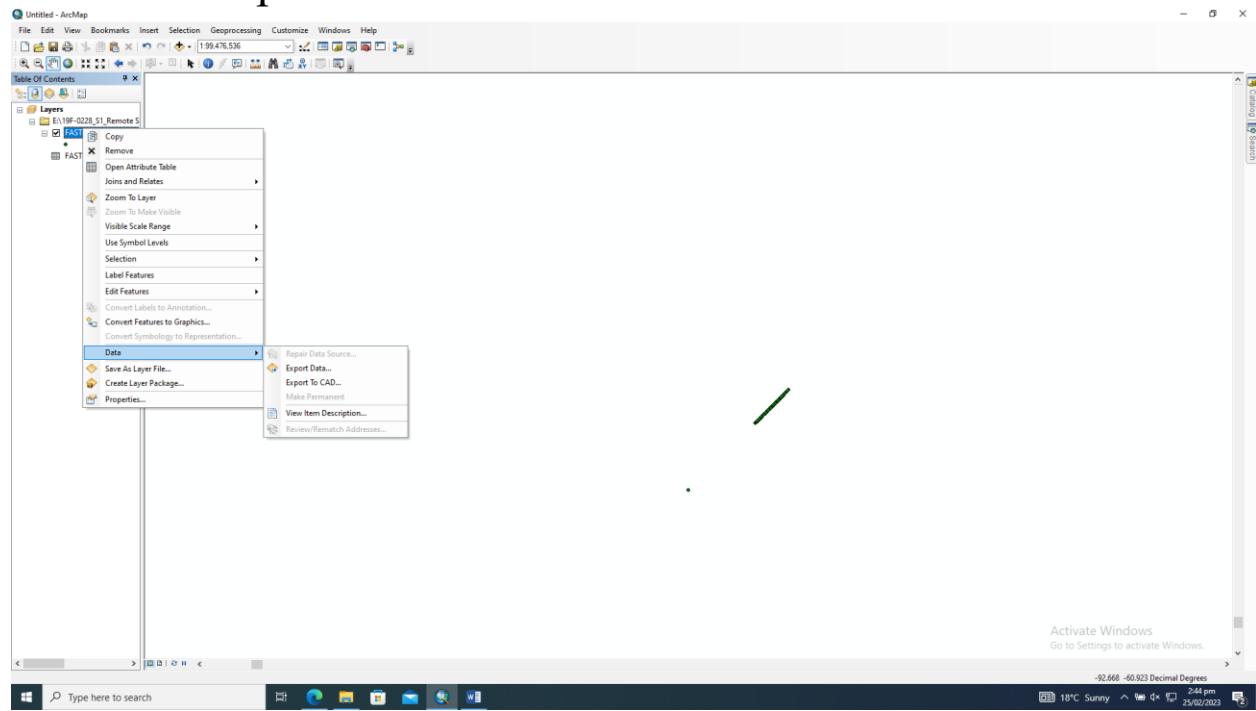
Setting to 1984 World

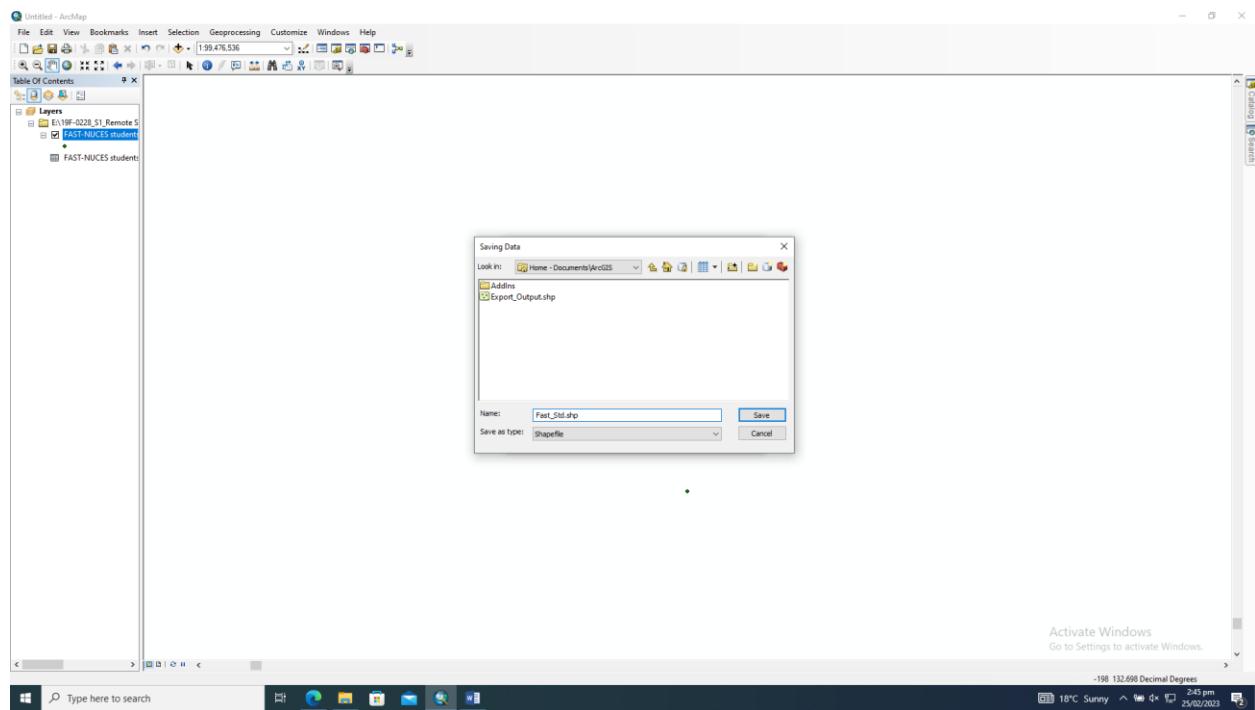


Zoom to layer

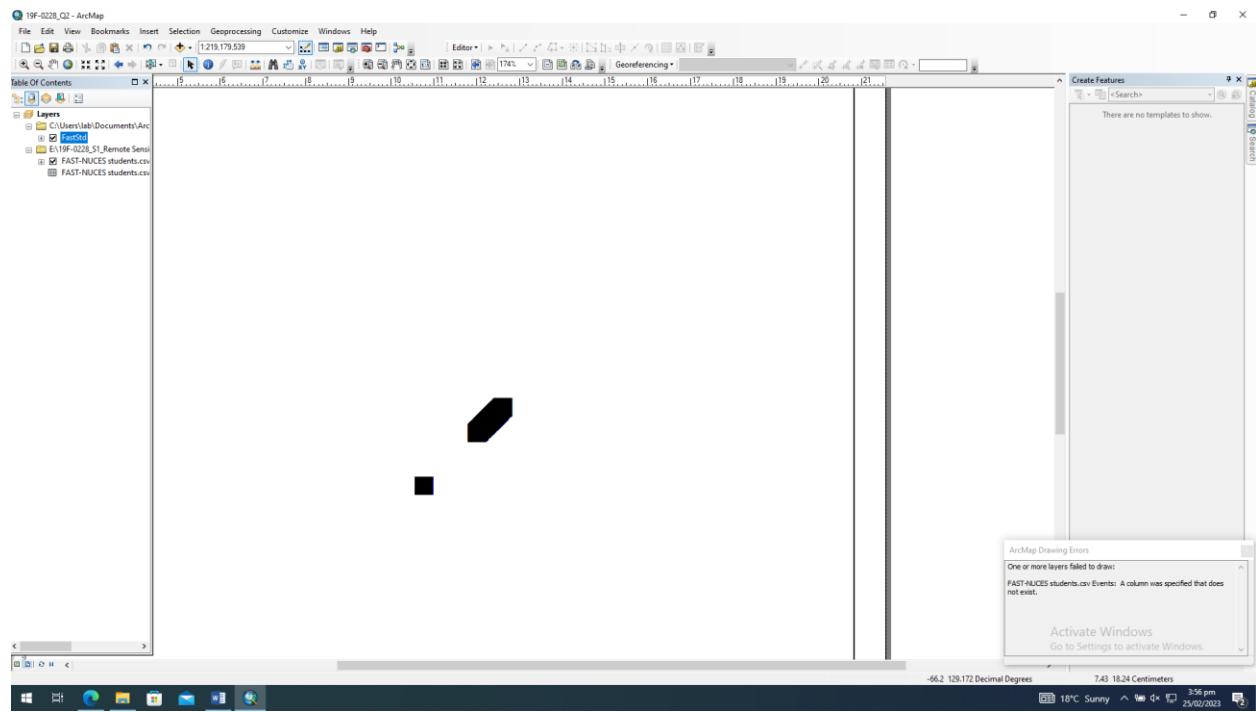
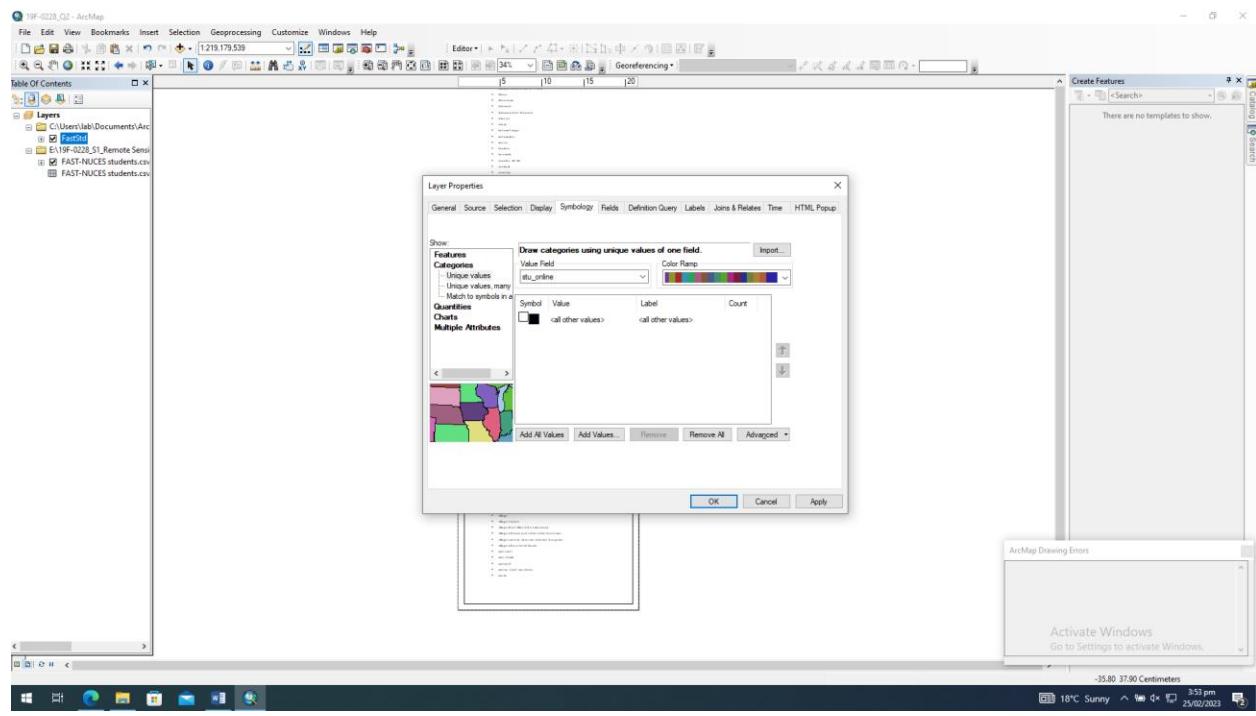


- i. Convert the non-spatial data sets of FAST-NUCES Students into shape file.

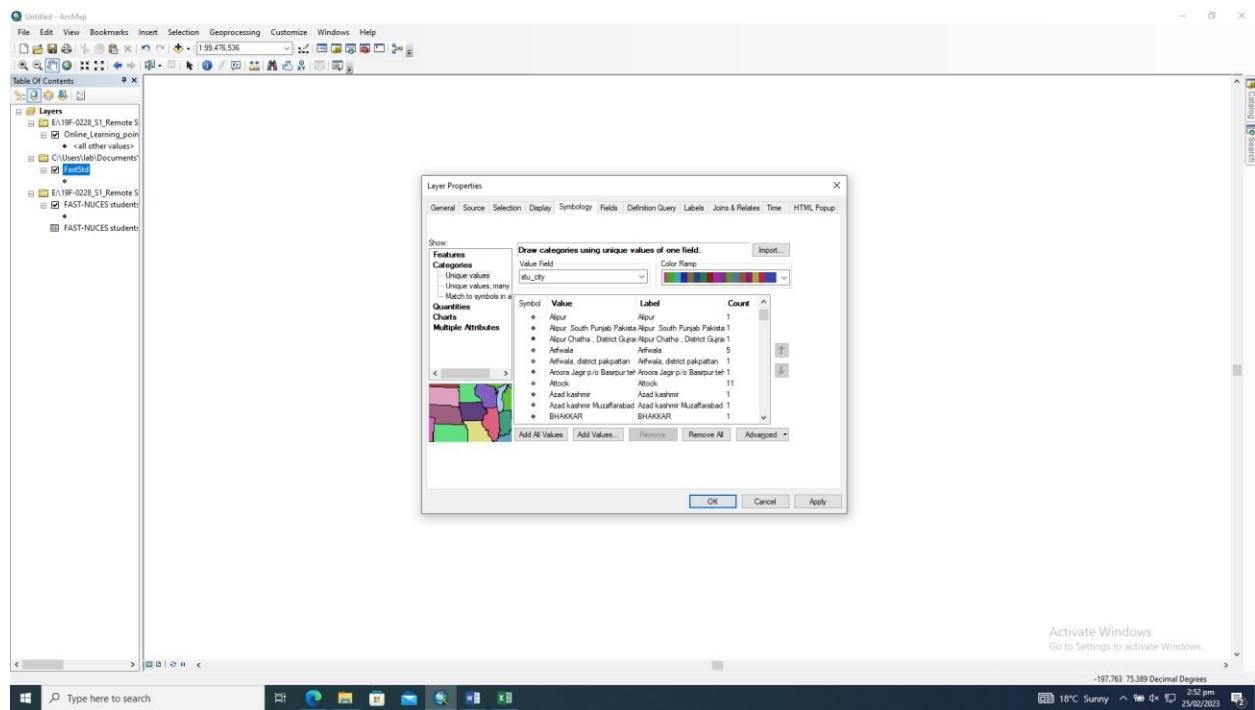




- ii. Plot the point data set based on the online learning method used by students during COVID-19.



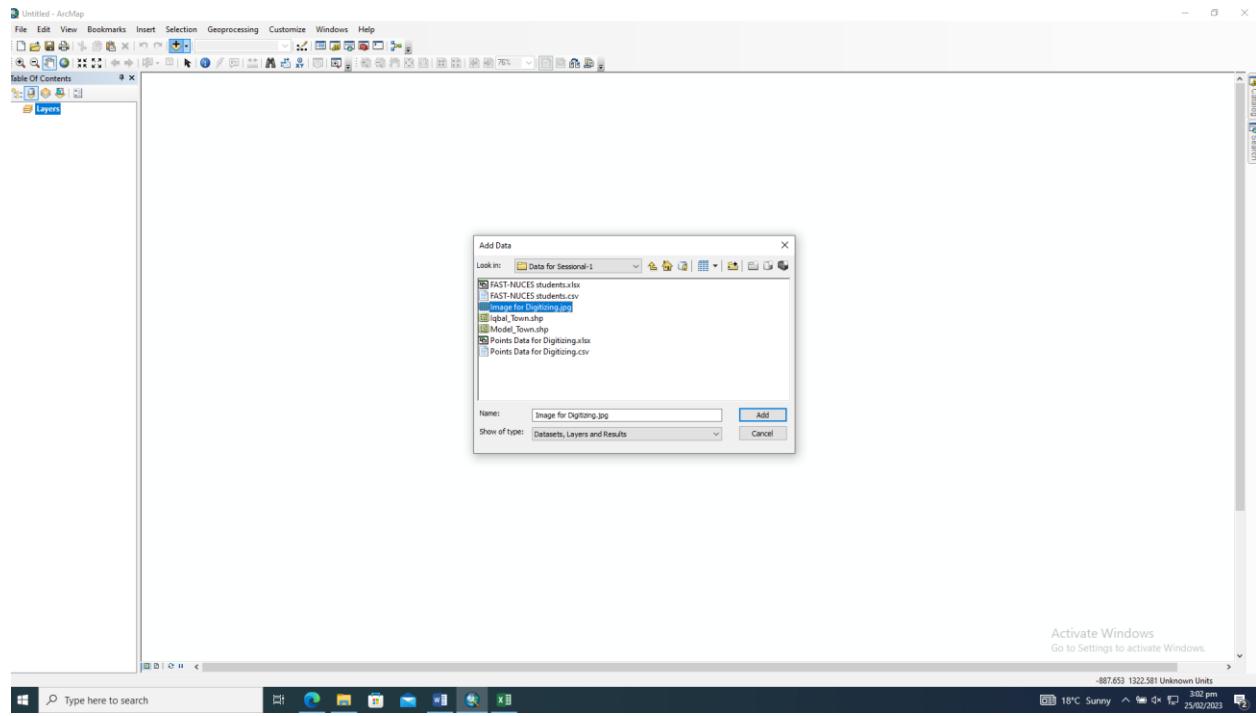
- iii. Extract and display student's point those belongs to Model Town.



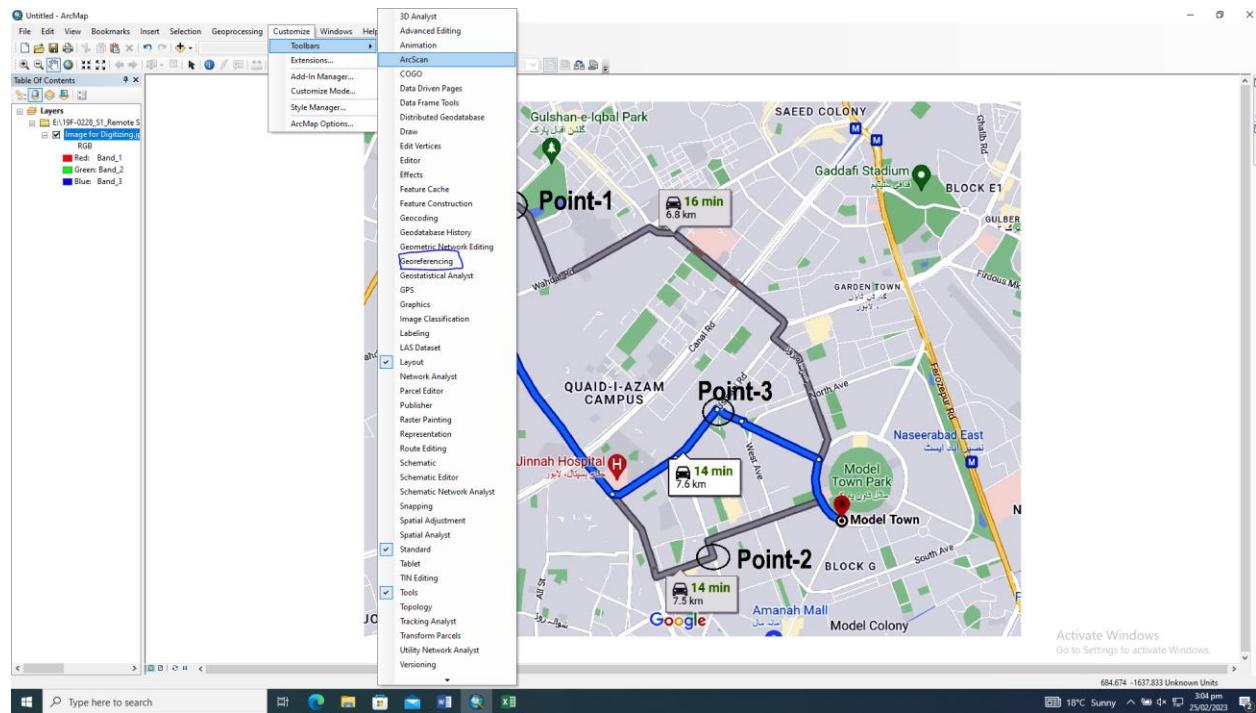
Q3: Geo-referencing and digitizing

- Add the jpg file “Image for Digitizing” and Geo-refer the image using points marked as circles. Latitude/Long of these points are given in the CSV file.

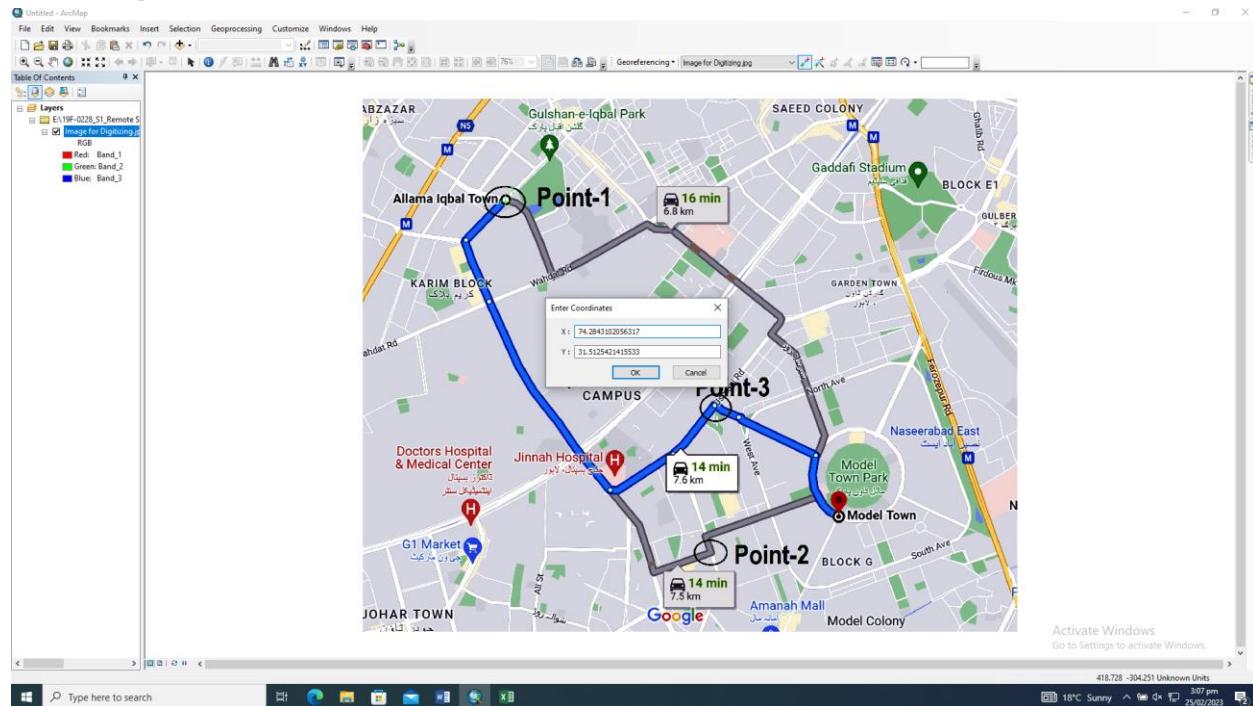
Importing Image



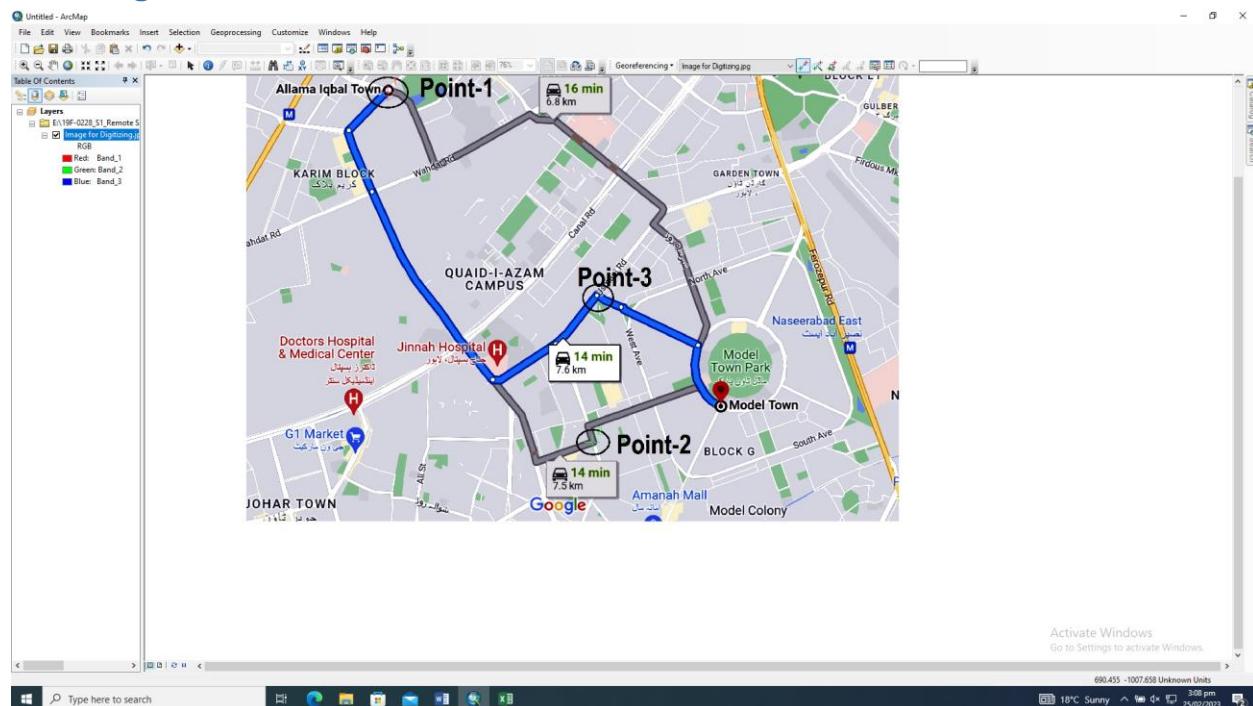
Selecting Geo Referencing

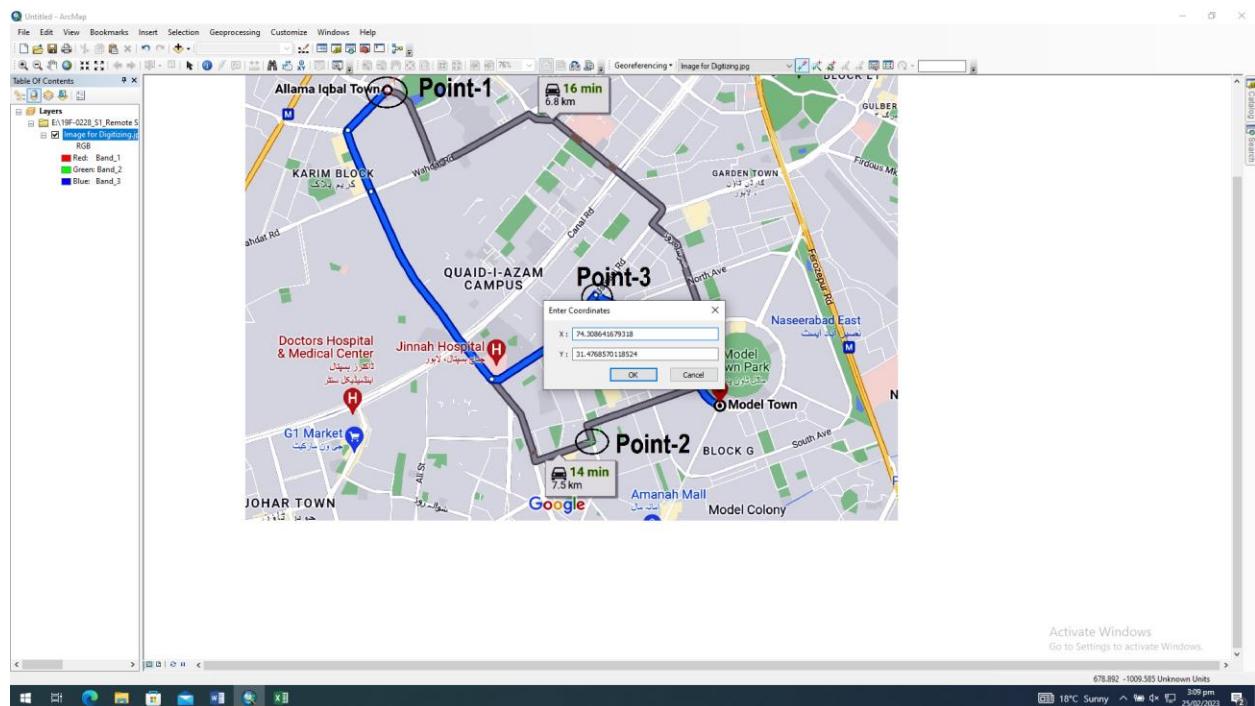


Marking Point 1

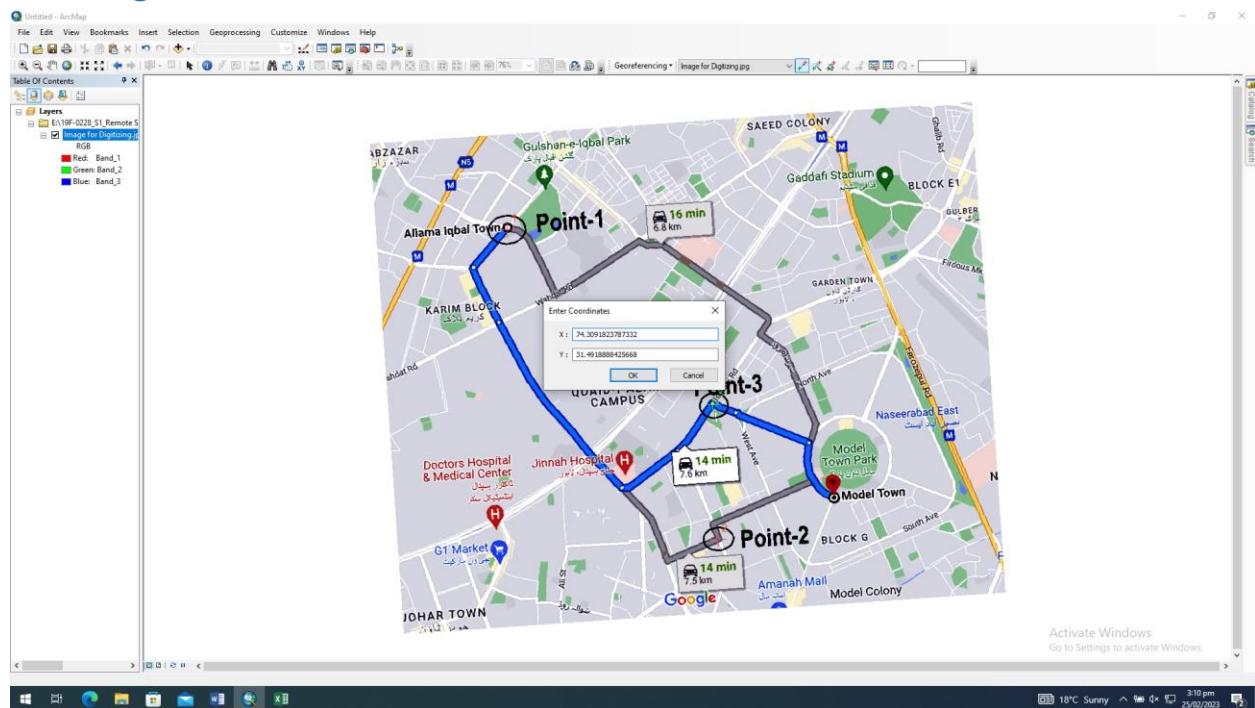


Marking Point 2

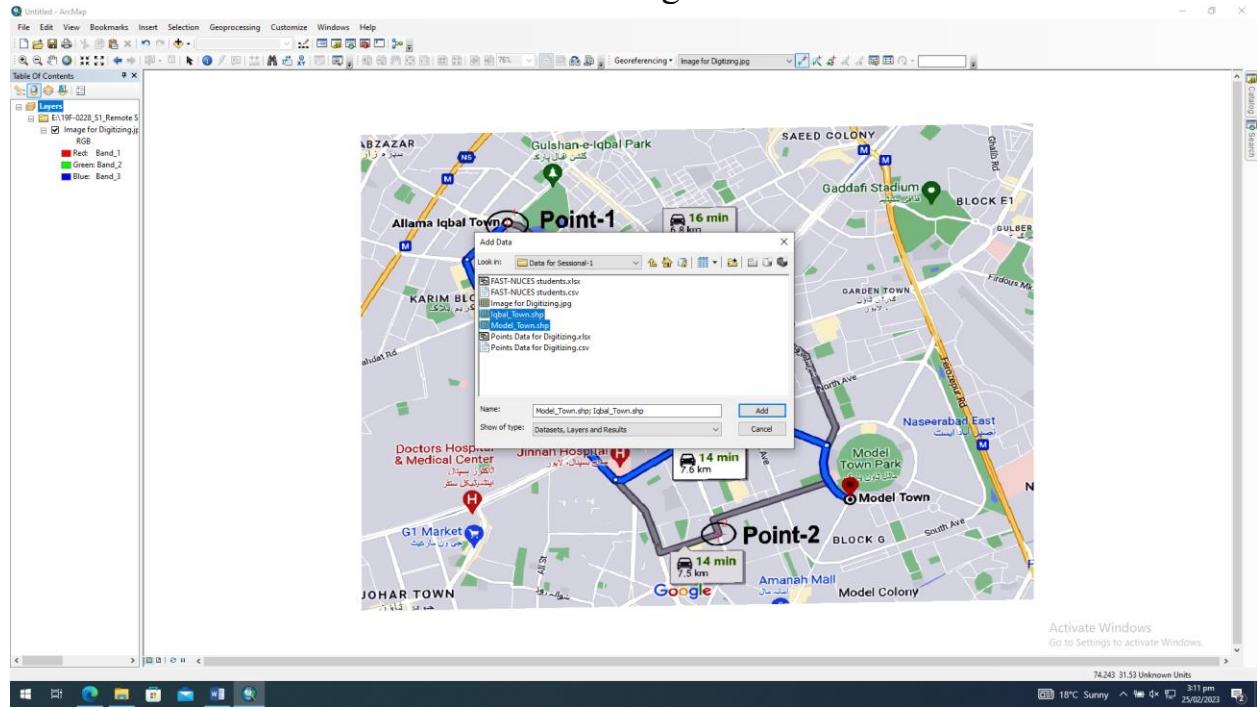




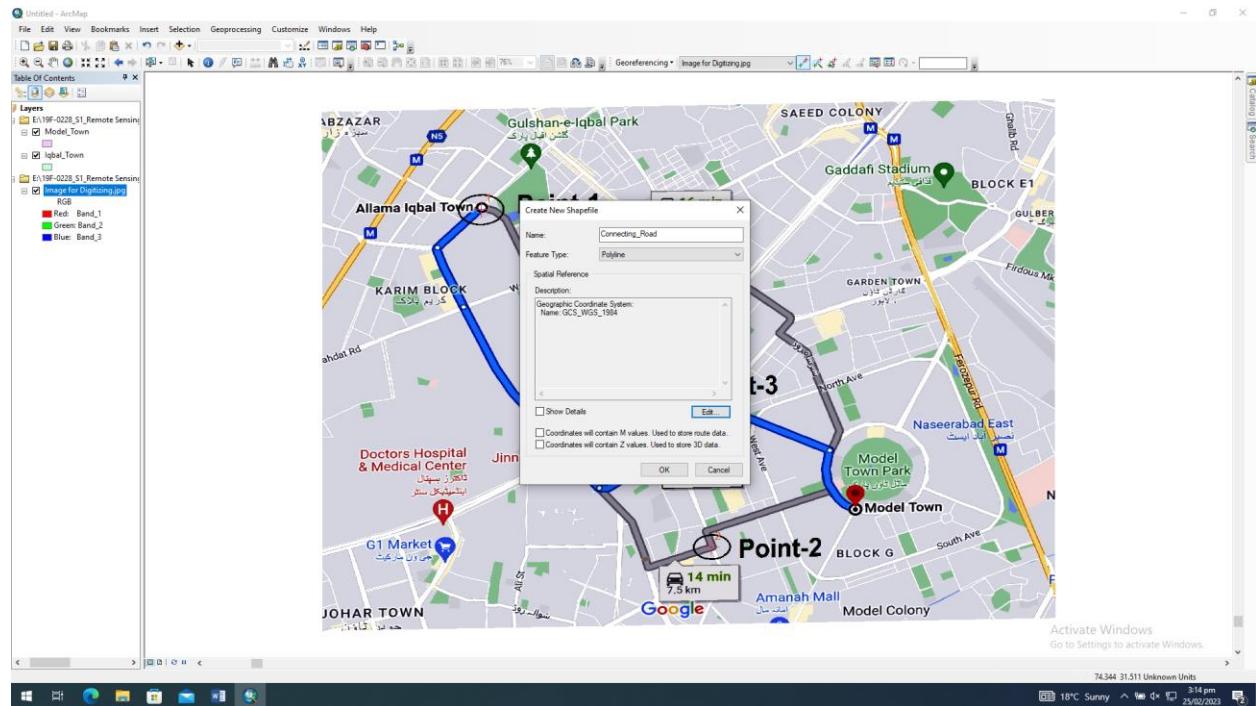
Marking Point 3



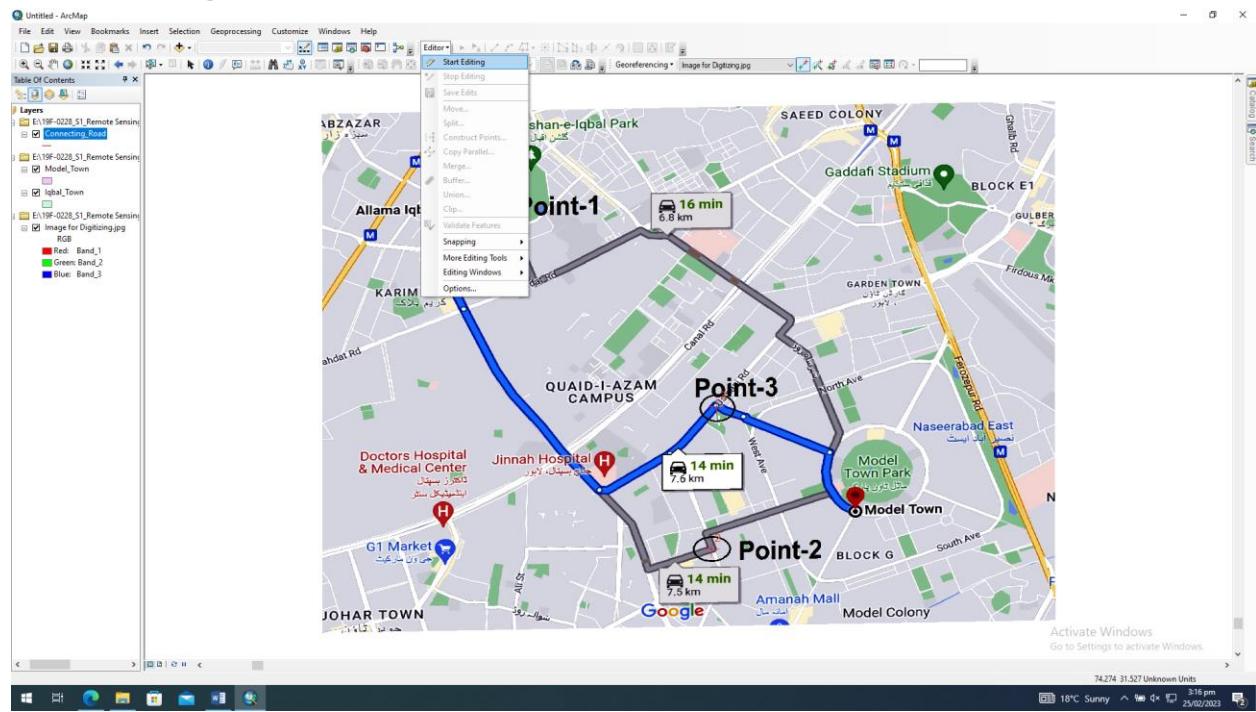
- ii. Add the shape file of Model Town and Iqbal Town. Create a new shape file of the road and connect both towns using suitable roads.



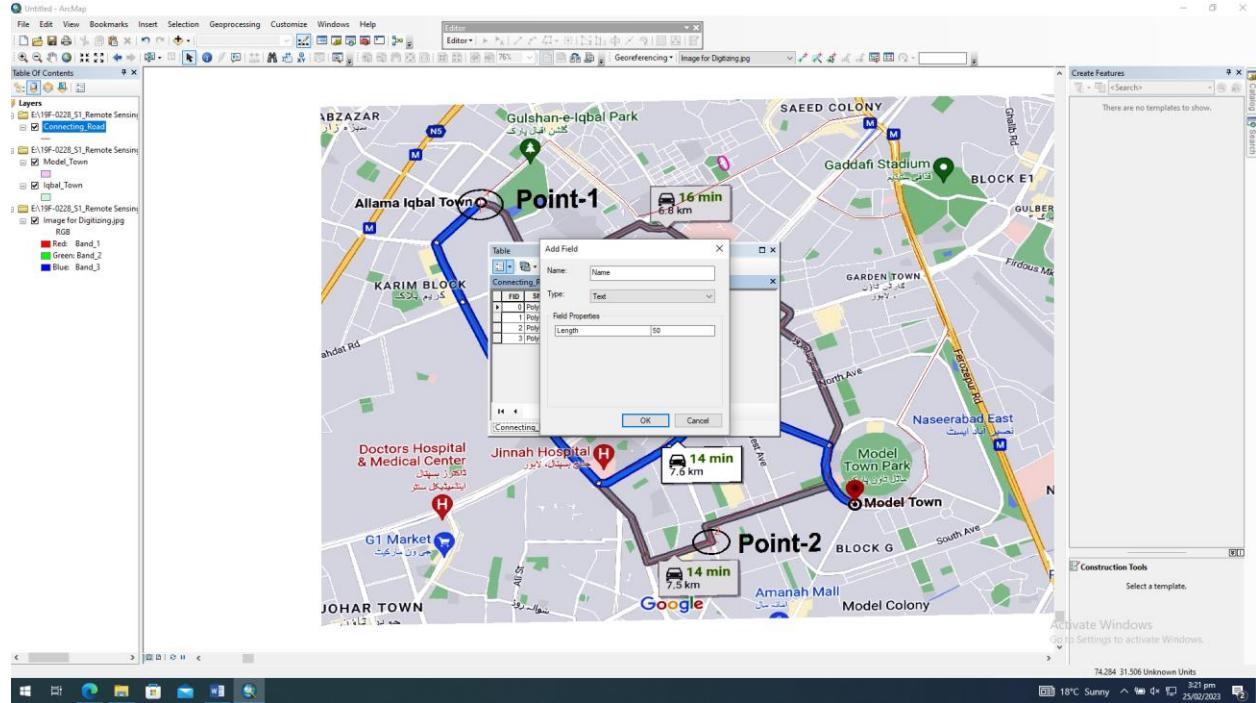
Creating new shape file:



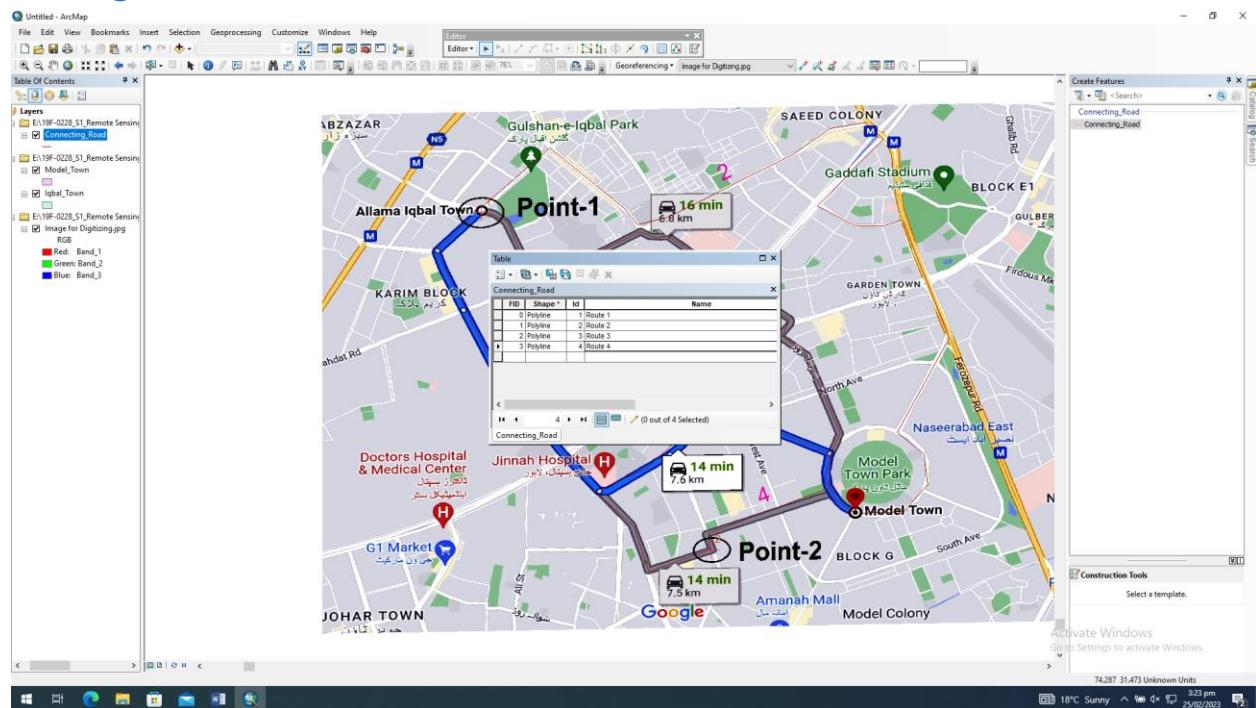
Start Editing

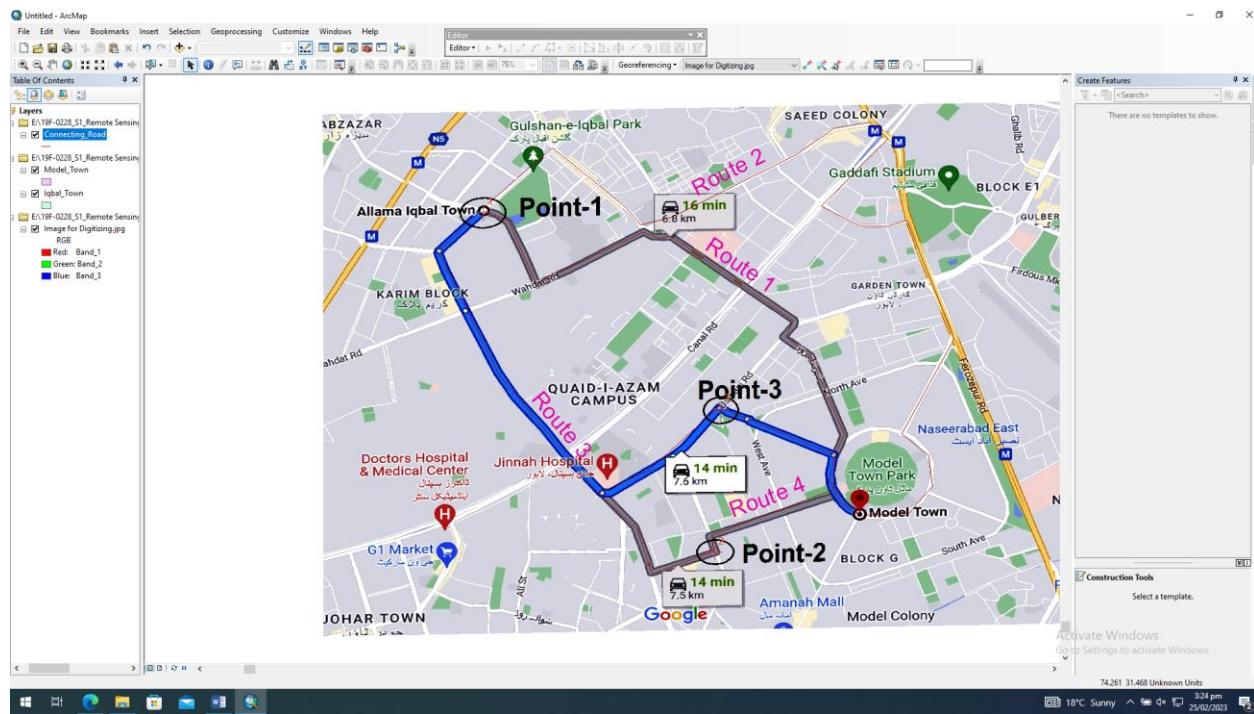
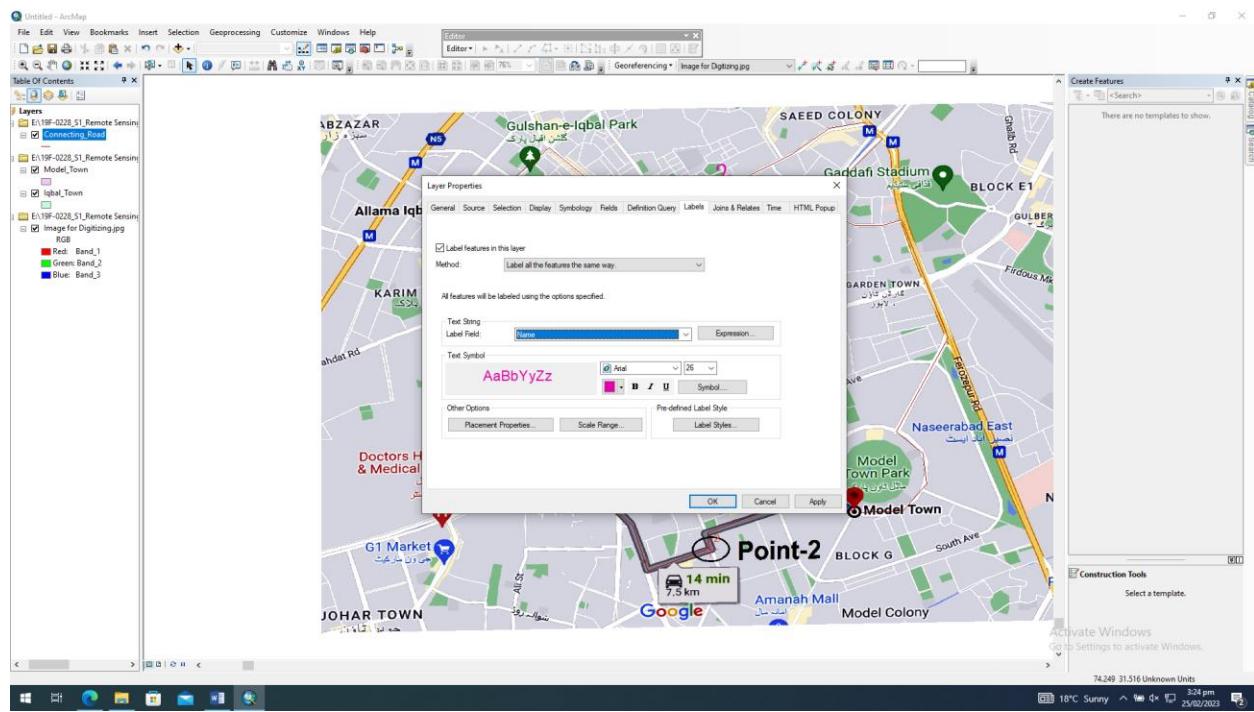


Adding Name Field for labels

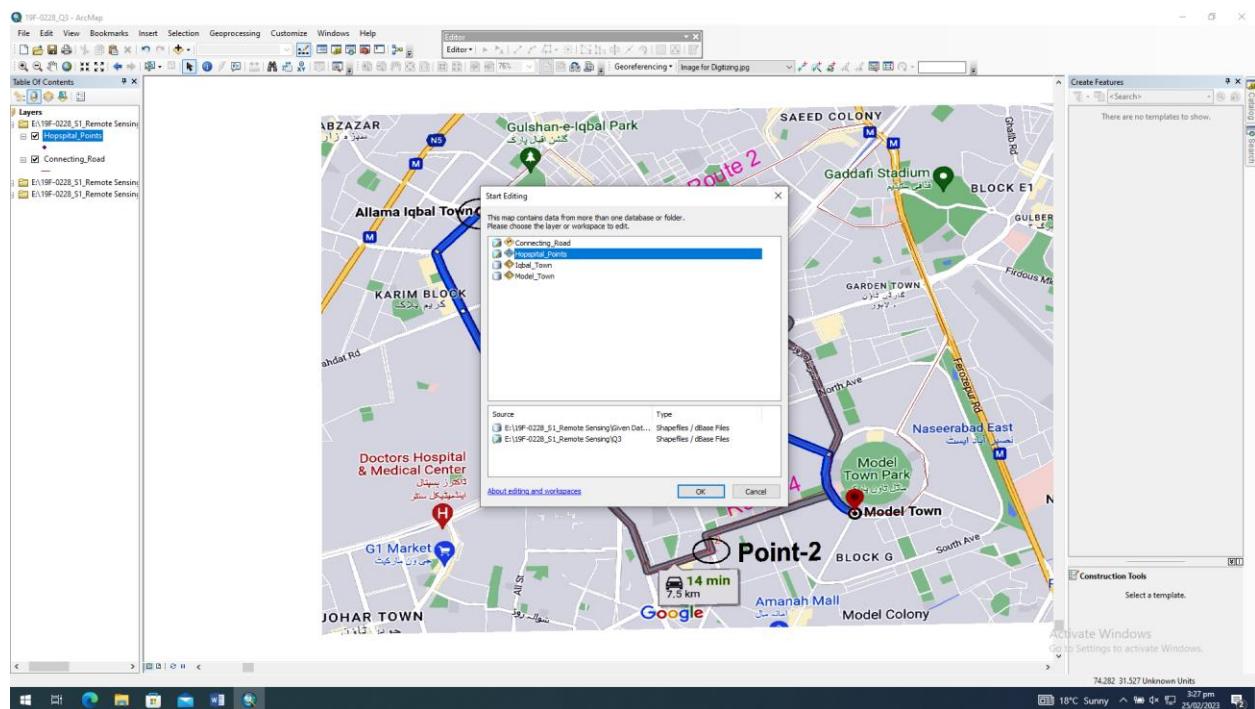
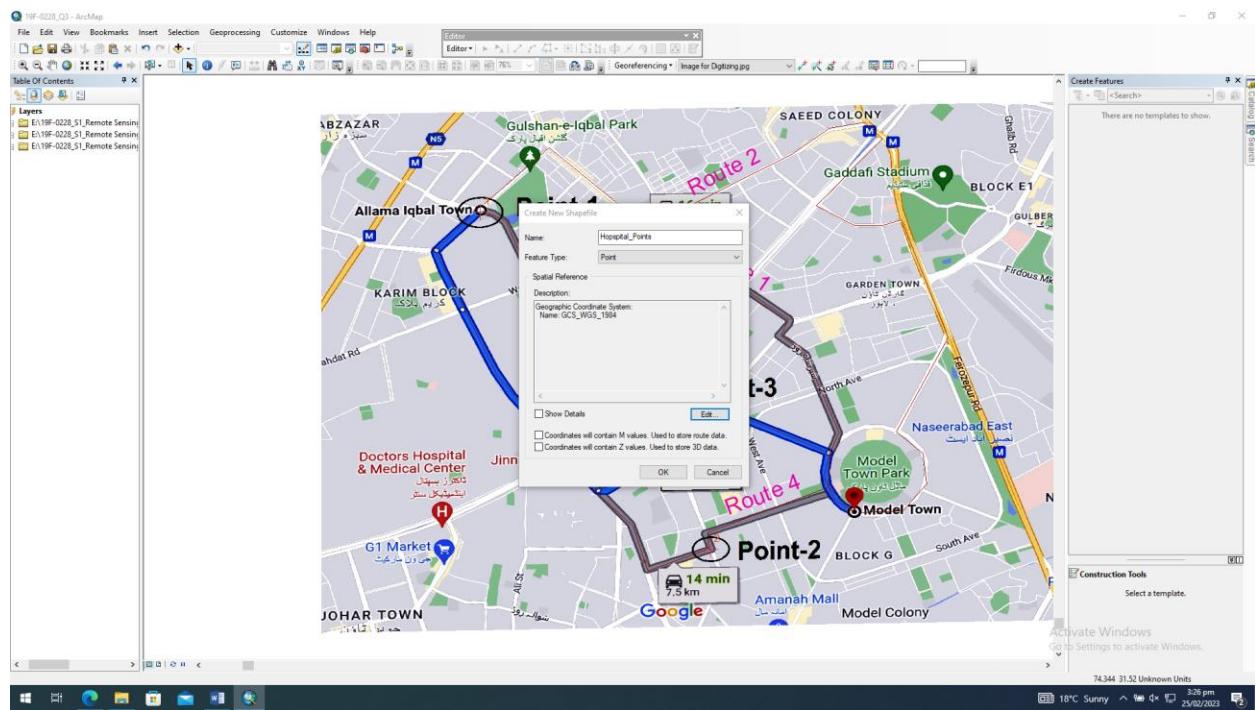


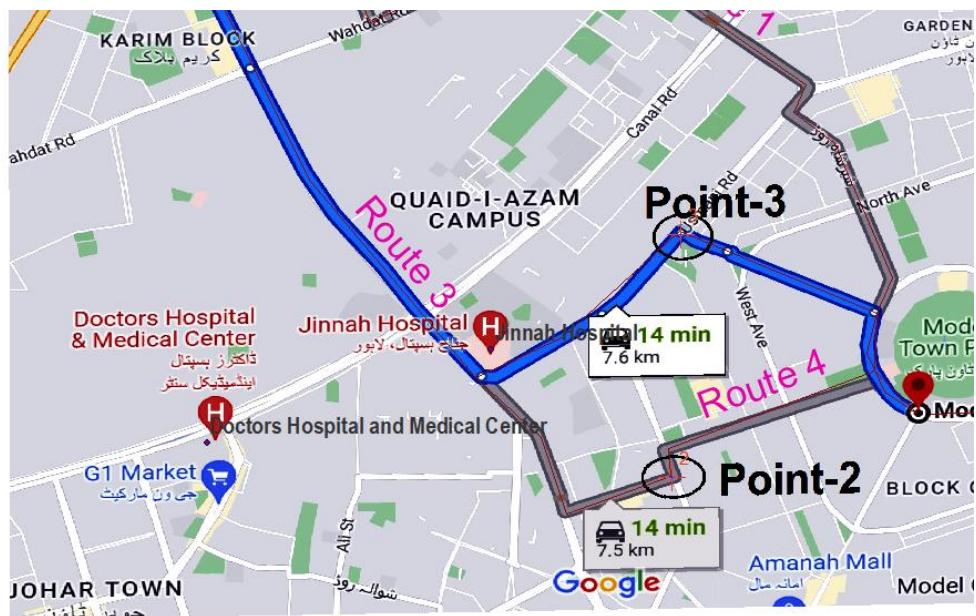
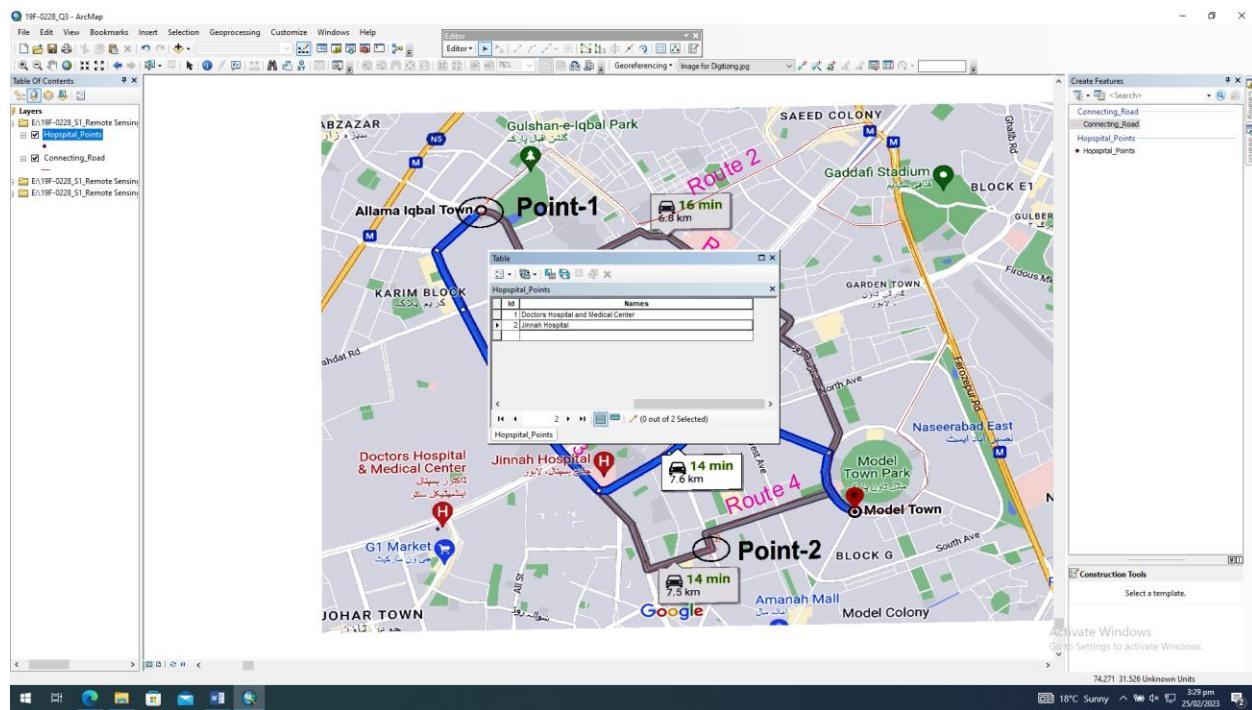
Adding Attributes Table



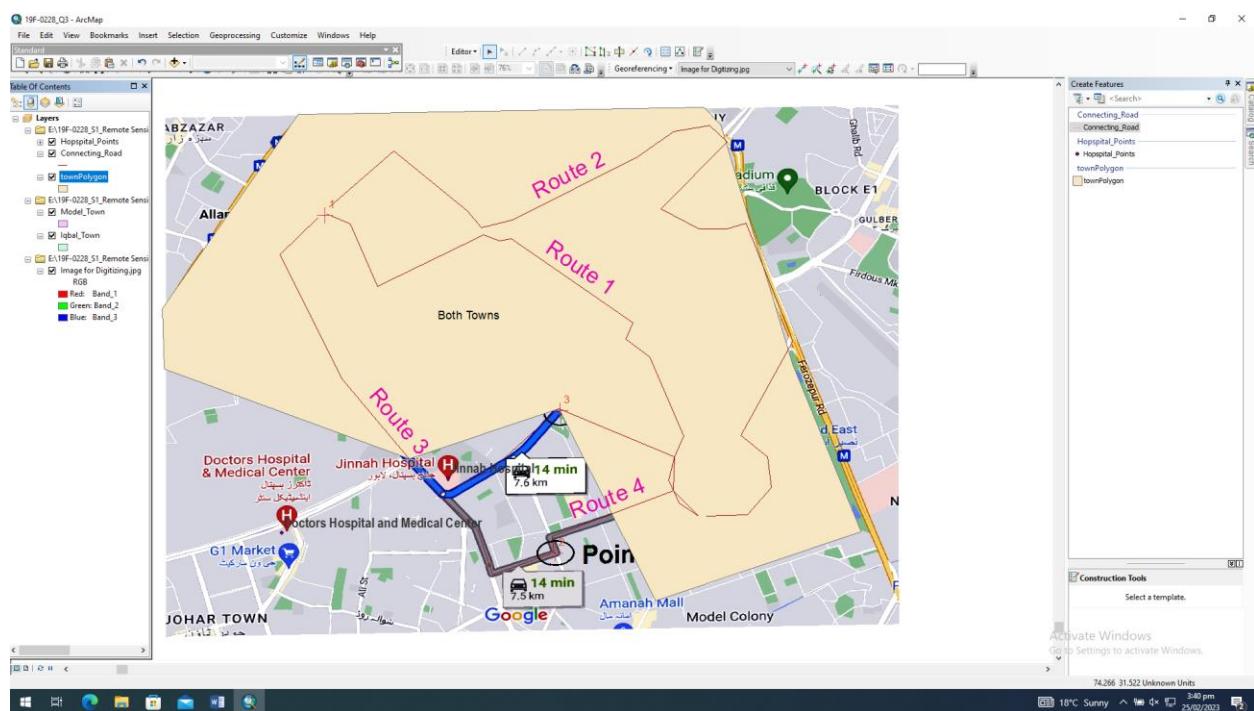
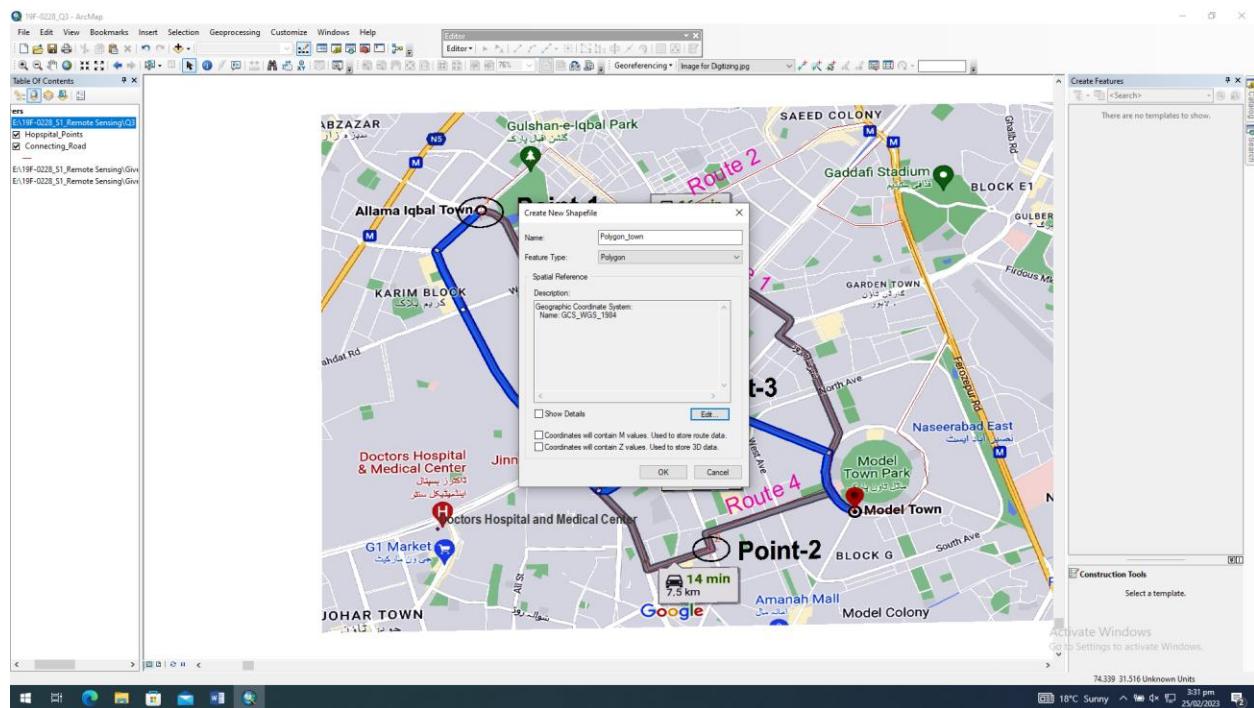


- iii. Also create the point dataset and mark the two famous hospital names and store its attribute in the dbf file.





- iv. Draw the polygon of which is surrounded by both towns.



V. Convert the roads into Google Earth readable files.

