**Contributor: Dr. Shahnawaz, Z\_GIS, PLUS, Austria**

**DEvision Module-2: Geospatial Models and Representations (DEmodels)**

**LU-1: Acquisition and integration of feature data**

**Exam Questions:**

* 1. Hands-On Exercise - ArcGIS Online: Use Satellite Imagery as base map > Zoom to your city
     + Make an appropriate layer to mark 10-12 locations of the schools in your city
     + Make an appropriate layer to draw the roads / streets connecting these schools to the nearest bus station
     + Make an appropriate layer to depict 10-12 open spaces in your city
     + Add some attributes in each feature layer. If you don’t know many attributes then you may consult Google Maps etc.
     + Write 3-5 lines describing each step you implemented for generating each layer, also insert some clips / screen shots of various steps

**LU-2: Raster data and imagery**

**Exam Questions:**

1. Write 3-5 lines about the following:

* What are the differences between Feature and Raster data structures?
* What is the impact of Spatial Resolution of a raster dataset / imagery on the accuracy of the features it represents?
* Hands-On Exercise: Change the resolution of a given imagery to double as well as to half of the original pixel size and observe the changes in the pattern of the features identifiable on the imagery.