

**Faculty of Economics
South Asian University**

**GIS Workshop
18 April 2022 to 01 May 2022**

Welcome to GIS Workshop

This workshop is for 14 days, 2 hours per day, from 18 April 2022 to 01 May 2022. Given the large and freely available data sources ranging from climate to agriculture, GIS is an important skill set to learn. One example of highly used data is Night Light. These days, temperature and precipitation data are also highly used by merging with survey data. This workshop aims to help economists use spatial data in their research work.

This workshop is introduced by Er. Sharad Chandra Mainali, Er. Maheshwor Karki, and Er. Sudarsan Gautam. Er. Sharad Chandra Mainali currently works as an Instructor at Kathmandu University. Maheshwor Karki currently works as an Instructor Ministry of Land Management, Cooperatives and Poverty Alleviation, Land Management. Er. Sudarsan Gautam works as an Instructor at Land Management

The outline of the course is as follows:

QGIS Training			
Resource Person: Er. Sharad Chandra Mainali			
Date	Topics	Session	Time (IST)
18 April	Introduction to GIS	1 Session	6:30-8:30 PM
19 April	Data Types	1 Session	6:30-8:30 PM
20 April	GIS Software Installation and demonstration of tools	1 session	6:30-8:30 PM
21 April	Creating Spatial and Attribute Data	2 sessions	6:30-8:30 PM
22 April			6:30-8:30 PM
Resource Person: Er. Maheshwor Karki			
Date	Topics	Session	Time
23 April	Spatial Data Visualization	1 Session	6:30-8:30 PM
24 April	Downloading and Using OSM Data	1 Session	6:30-8:30 PM
25 April	Downloading and Using Google Earth Image	1 Session	6:30-8:30 PM
26 April	Cartography, Symbolization, Map Layout and Printing	2 sessions	6:30-8:30 PM
27 April			6:30-8:30 PM
Resource Person: Er. Sudarsan Gautam			
Date	Topics	Session	Time
28 April	Spatial Data Analysis	1 Session	6:30-8:30 PM
29 April	Spatial analysis	1 Session	6:30-8:30 PM
30 April	Terrain Mapping	1 Session	6:30-8:30 PM
1 May	Spatial and Attribute query	1 Session	6:30-8:30 PM