

# Digitizing Map Data

**Spoken Tutorial Project**

**<http://spoken-tutorial.org>**

**National Mission on Education through ICT**

**<http://sakshat.ac.in>**

**Snehalatha Kaliappan**

**Prajwal.M**

**25 September 2018**



# Learning Objectives



# Learning Objectives

- ▶ **Create and digitize Point and Polygon shape files**



# Learning Objectives

- ▶ **Create and digitize Point and Polygon shape files**
- ▶ **Change style and color for Point and Polygon features**



# System Requirements



# System Requirements

- ▶ **Ubuntu Linux OS version 16.04**



# System Requirements

- ▶ **Ubuntu Linux OS version 16.04**
- ▶ **QGIS version 2.18**



# Pre-requisites





# Pre-requisites

## ► Basic GIS



# Pre-requisites

- ▶ **Basic GIS**
- ▶ **QGIS Interface**



# Digitizing



# Digitizing

- ▶ **Digitizing : Coordinates from a map, image or other sources of data are converted into a digital format**



# Digitizing

- ▶ **Digitizing : Coordinates from a map, image or other sources of data are converted into a digital format**
- ▶ **The converted data can be stored as a point, line or a polygon feature in GIS**



# Example map to practise



# Example map to practise

- ▶ Download the thematic map of Bangalore city given in the Code files link



# Example map to practise

- ▶ Download the thematic map of Bangalore city given in the **Code files** link
- ▶ This is a map depicting development of Bangalore city





# Steps to download Code files



# Steps to download Code files

- ▶ Click on the link **Code files** located below the player and save it in your folder



# Steps to download Code files

- ▶ Click on the link **Code files** located below the player and save it in your folder
- ▶ **Extract the downloaded zip file**



# Steps to download Code files

- ▶ Click on the link **Code files** located below the player and save it in your folder
- ▶ Extract the downloaded zip file
- ▶ **Locate Bangalore.jpg file in the extracted folder**



# Summary



# Summary

- ▶ **Create and digitize Point and Polygon shape files**
- ▶ **Change style and color for Point and Polygon features**



# Assignment

On the Bangalore thematic map  
(**Bangalore.jpg**),

- ▶ Digitize Industrial Estates
- ▶ Digitize the roads on the map by creating a **Polyline** feature



# About the Spoken Tutorial Project

- ▶ Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project





# About the Spoken Tutorial Project

- ▶ Watch the video available at [http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)
- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



# Spoken Tutorial Workshops

## The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)



# Forum for specific questions

- ▶ Do you have questions in **THIS Spoken Tutorial?**
- ▶ Please visit  
<http://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ Someone from our team will answer them



# Acknowledgements

- ▶ Spoken Tutorial Project is a part of the Talk to a Teacher project
- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India
- ▶ More information on this Mission is available at

<http://spoken-tutorial.org/NMEICT-Intro>

