

Digitizing Map Data

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objectives



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



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



System Requirements



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- ▶ **Ubuntu Linux OS version 16.04**



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- ▶ **QGIS version 2.18**



Pre-requisites



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- ▶ **Basic GIS**



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



Digitizing



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- ▶ **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



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- ▶ **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
- ▶ It summarises the Spoken Tutorial project



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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



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

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- ▶ 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>

