

## The Spoken Tutorial Project

- Self-explanatory: uses simple language
- Audio-video: uses multisensory approach
- Small duration: has better retention
- Learner-centered: learn at your own pace
- Learning by doing: learn and practise simultaneously
- Empowerment: learn a new **FLOSS** (Free/Libre and Open Source Software)

## Target Group

- High School
- Undergraduates
- Post Graduates and Researchers in any field

## Workshops

The Spoken Tutorial Project Team conducts workshops on QGIS and other FLOSS using spoken tutorials and gives certificates to those who pass an online test.

## Forum

We have developed a beginner friendly Forum to answer specific questions pertaining to any part of a particular tutorial.

For more details, please visit <https://forums.spoken-tutorial.org>.

The Spoken Tutorial Project is funded by the National Mission on Education through Information and Communication Technology, Ministry of Human Resource Development, Government of India.

## Contact us

Email: [contact@spoken-tutorial.org](mailto:contact@spoken-tutorial.org)  
Website: <https://spoken-tutorial.org>

Forum help available to all learners

Content available in 22 Indian languages



IIT Bombay

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**Spoken Tutorial**

<https://spoken-tutorial.org>



Scan the QR code to visit Spoken Tutorial website

# QGIS

National Mission on Education through Information and Communication Technology (NMEICT)

[www.sakshat.ac.in](http://www.sakshat.ac.in)

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## Introduction

- QGIS is a free and open-source cross-platform desktop geographic information system application that supports viewing, editing, and analysis of geospatial data.
- QGIS easily integrates with other open-source GIS packages, including PostGIS, GRASS GIS, and MapServer.
- QGIS is the leading alternative to any proprietary GIS software

## Download and Installation

Please use the link given below for download and installation

<https://www.qgis.org/en/site/forusers/download.html>

Or

<https://spoken-tutorial.org/watch/QGIS/Installation+of+QGIS/English/>

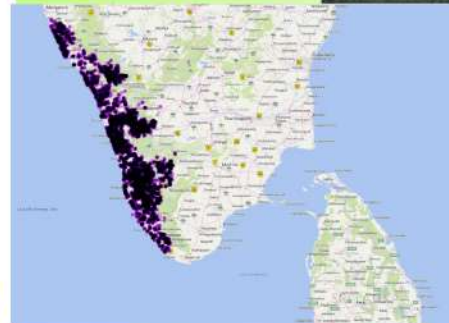
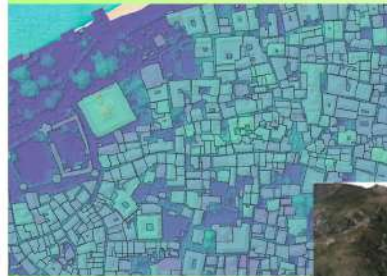
## QGIS Spoken Tutorials

Please use the link below to view and download QGIS Spoken Tutorials.

[https://spoken-tutorial.org/tutorial-search/?search\\_foss=QGIS&search\\_language=English](https://spoken-tutorial.org/tutorial-search/?search_foss=QGIS&search_language=English)

## Features

- Versatility: Platform independent, works on any operating systems. QGIS is subject to the GNU General Public License
- Advanced data creation and editing techniques
- Interoperability between many spatial data formats
- Regularly updated on community collaborations and user demands
- Powerful network analysis library
- No license levels in QGIS, completely free and open-source platform



## Benefits of QGIS

- Improved spatial strategic analysis
- QGIS has a powerful Processing Toolbox, integrated with GRASS and SAGA algorithms
- Can automate work-flows with batch processing and to create graphical models.
- Ability to add custom plugins to extend functionality
- Render and create 3D maps with ease
- Integrated core functionalities in every software updates
- Can be used for complex analysis to map composition
- Styling GIS data, from creating custom symbols and color ramps to using blending modes.
- Easy to run Python and integrate data processing scripts
- Capable of Interactive webGIS functionalities
- Used for major scientific analysis
- Ability to add heat maps, live layer effects and labels to your maps