

Editing Curves and Polygons

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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IIT Bombay

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Learning Objectives

In this tutorial, you will learn how to,



Learning Objectives

In this tutorial, you will learn how to,

▶ **Edit Curves and Polygons**



Learning Objectives

In this tutorial, you will learn how to,

- ▶ **Edit** Curves and Polygons
- ▶ **Draw Bezier Curve**



System Requirements

This tutorial is recorded using,



System Requirements

This tutorial is recorded using,

▶ Ubuntu Linux OS version 18.04



System Requirements

This tutorial is recorded using,

- ▶ **Ubuntu Linux OS version 18.04**
- ▶ **LibreOffice Suite version 6.3.5**



Prerequisites

- ▶ **To practise this tutorial, you should have basic knowledge of LibreOffice Draw**



Prerequisites

- ▶ **To practise this tutorial, you should have basic knowledge of LibreOffice Draw**
- ▶ **If not, for relevant tutorials please visit this website**
<https://spoken-tutorial.org>



Code Files

- ▶ **This file has been provided to you in the Code files link on this tutorial page**



Code Files

- ▶ **This file has been provided to you in the Code files link on this tutorial page**
- ▶ **Please download and extract the file**

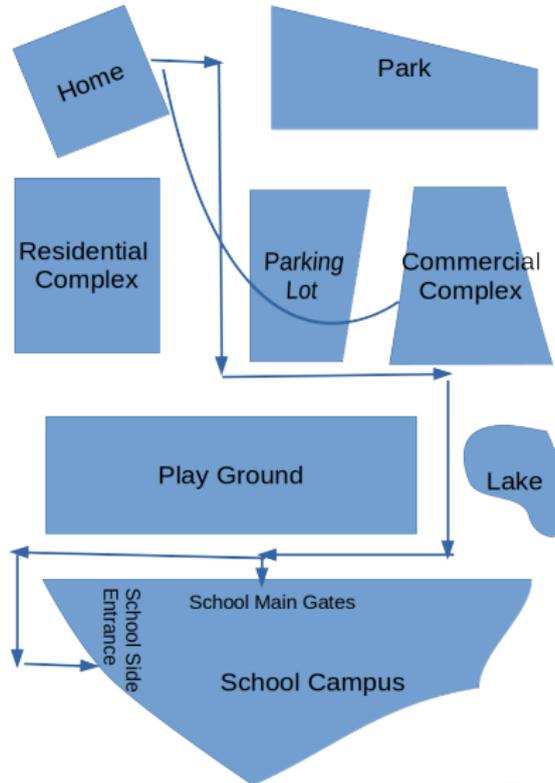


Code Files

- ▶ **This file has been provided to you in the Code files link on this tutorial page**
- ▶ **Please download and extract the file**
- ▶ **Make a copy and then use it for practising**



Route Map



Bezier Curves

- ▶ **Bezier Curves are used mainly in computer graphics to make curves smoother**



Bezier Curves

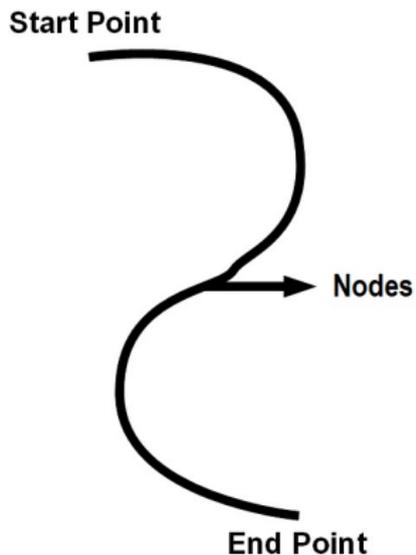
- ▶ **Bezier Curves** are used mainly in computer graphics to make curves smoother
- ▶ You can use these curves to experiment with the shape and size of curves



Bezier Curves



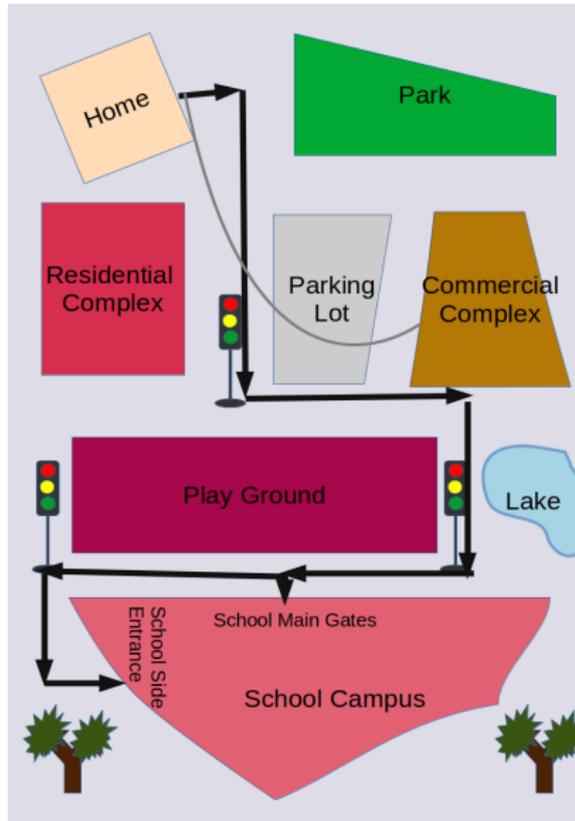
Bezier Curves



Coloured Route Map



Coloured Route Map



Summary

In this tutorial, you have learnt to,

- ▶ **Edit** Curves and Polygons
- ▶ **Draw** Bezier curve



Assignment

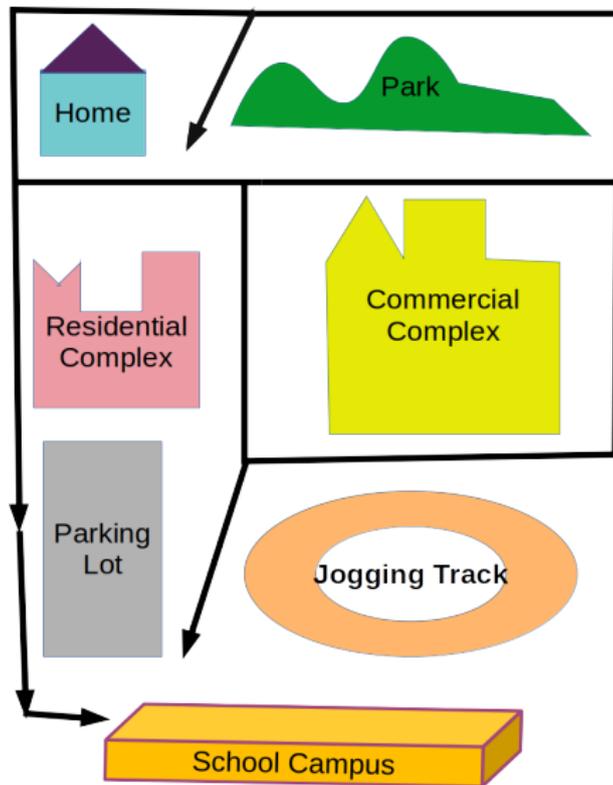
- ▶ **Draw a Bezier curve**
- ▶ **Apply all the options from the Edit Points toolbar on it**



Assignment



Assignment



About Spoken Tutorial project

- ▶ Watch the video available at https://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



Answers for THIS Spoken Tutorial

- ▶ **Questions in THIS Spoken Tutorial?**
- ▶ **Visit**
<https://forums.spoken-tutorial.org>
- ▶ **Choose the minute and second where you have the question**
- ▶ **Explain your question briefly**
- ▶ **The Spoken Tutorial project will ensure an answer**

You will have to register to ask questions



Acknowledgements

- ▶ **Spoken Tutorial project is funded by the Ministry of Education (MoE), Govt. of India**



About the Contributor

- ▶ This tutorial was originally contributed by **DesiCrew Solutions Pvt.Ltd.** in 2011
- ▶ www.desicrew.in
- ▶ Thanks for joining

