Spoken Tutorial LibreOffice Draw - Flowcharts, Glue points and Beizer curves

Script and Narration by

DesiCrew Solutions Pvt.Ltd.

Talk to a Teacher Project

http://spoken-tutorial.org

National Mission on Education through ICT

http://www.sakshat.ac.in

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Learning Objectives

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- **Draw Beizer curves and Flowcharts**

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- **Draw Beizer curves and Flowcharts**
- **Connect Flowcharts using Connectors and Glue points**

System Requirements

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- **Ubuntu Linux version 10.04**

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- **LibreOffice Suite version 3.3.4**

Bezier Curves

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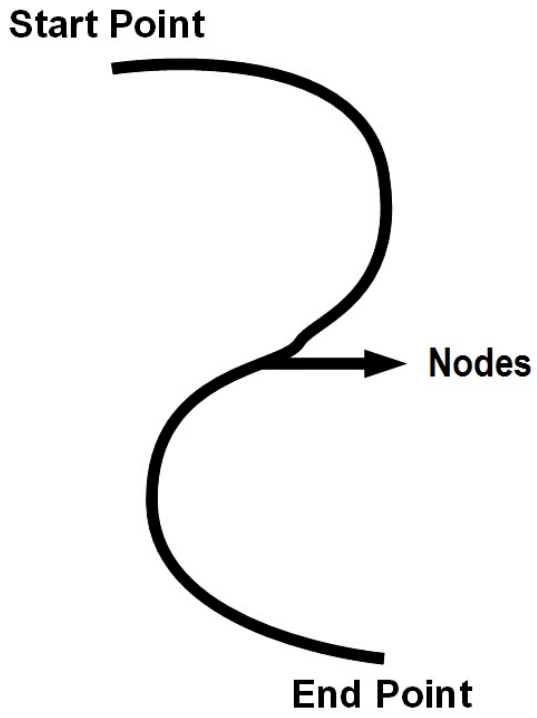
- **To make curves smoother.**
- **Use these curves to experiment**

Bezier Curves

- **Bezier Curves are used mainly in computer graphics**
- **To make curves smoother.**
- **Use these curves to experiment**
- **With the shape and size of curves.**

Bezier Curves



Assignment

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- **Draw a Bezier curve**

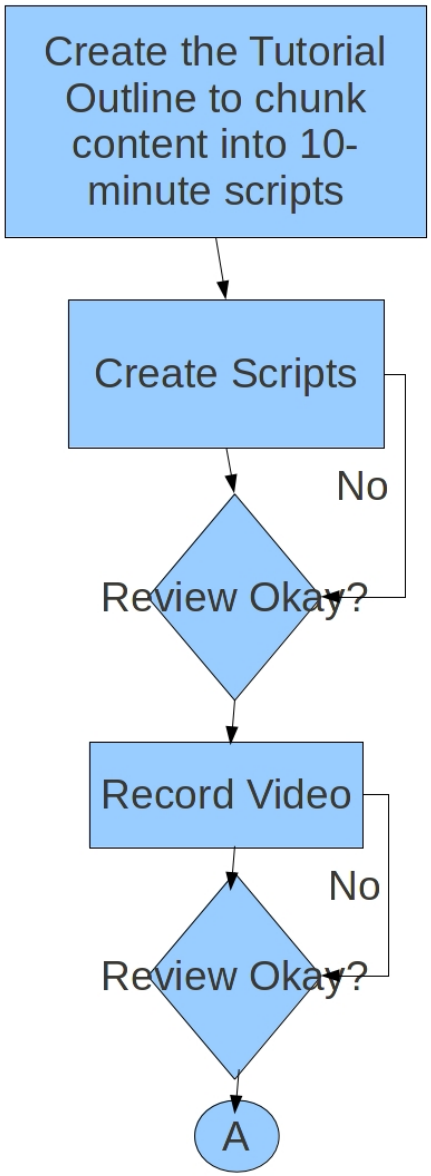
Assignment

- **Draw a Bezier curve**
- **Work with all the options**

Assignment

- **Draw a Bezier curve**
- **Work with all the options**
- **Using the Edit Points toolbar**

Show Figure One



Connectors

- **Connectors are lines or arrows**

Connectors

- **Connectors are lines or arrows**
- **Whose ends are attached or docked to an object**

Glue Points

- **Glue points are the points**

Glue Points

- **Glue points are the points**
- **That glue the connectors to the objects**

Glue Points

- **Glue points are the points**
- **That glue the connectors to the objects**
- **All objects have glue points**

Glue Points

- **These are invisible**

Glue Points

- **These are invisible**
- **They become visible**

Glue Points

- These are invisible
- They become visible
  - When a connector is selected from the Drawing toolbar

Glue Points

- These are invisible
- They become visible
  - When a connector is selected from the Drawing toolbar
  - When the mouse pointer is moved over an object

Glue Points

- **Glue points are not the same as handles**

Glue Points

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- **We use handles to re-size the object**

Glue Points

- **Glue points are not the same as handles**
- **We use handles to re-size the object**
- **Glue points are used to glue the connector to an object**

Connectors and Arrows

How are connectors different from Lines and Arrows?

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Connectors and Arrows

How are connectors different from Lines and Arrows?

- **Connectors are lines or arrows**
- **Whose end points are automatically docked**
- **To the glue point of an object**

Connectors and Arrows

How are connectors different from Lines and Arrows?

- **Connectors are lines or arrows**
- **Whose end points are automatically docked**
- **To the glue point of an object**
- **Lines and Arrows do not dock automatically**

Assignment I

- Create the second part of the Spoken Tutorial flow chart
- Color the processes boxes
- Draw a connector with the letter

- It should be the first object in this flowchart

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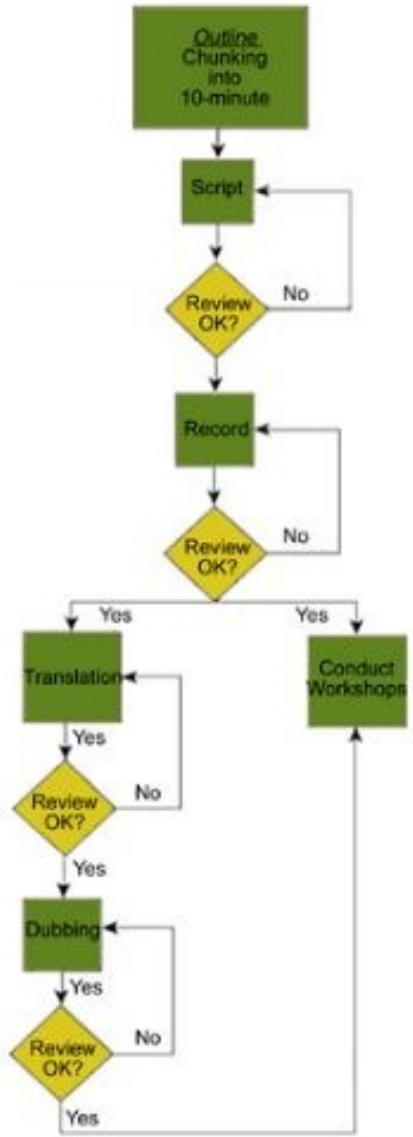
Assignment II



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Summary

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- **Flowcharts**
- **Connectors**
- **Glue points**

About 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**

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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

About the contributor

- This tutorial has been contributed by DesiCrew Solutions Pvt.Ltd.
- www.desicrew.in
- Thanks for joining