

Introduction to Oscad

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

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

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Learning Objectives

- ▶ **Install Oscad version 1.0**



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- ▶ **Install Oscad version 1.0**
- ▶ **Test run Oscad using an example**



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System Requirements

- ▶ **Ubuntu 12.04 OS**



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- ▶ **Ubuntu 12.04 OS**
- ▶ **Scilab 5.4.1**



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System Requirements

- ▶ **Ubuntu 12.04 OS**
- ▶ **Scilab 5.4.1**
- ▶ **Windows installation: refer to oscad.in**



Installation Requirements

- ▶ **Require a working Internet connection**



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Installation Requirements

- ▶ **Require a working Internet connection**
- ▶ **Require admin rights to do the installation**



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About Oscad

- ▶ **Free and open source software alternative to OrCAD**



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About Oscad

- ▶ **Free and open source software alternative to OrCAD**
- ▶ **Can be used to:**



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About Oscad

- ▶ **Free and open source software alternative to OrCAD**
- ▶ **Can be used to:**
 - ▶ **create circuit schematic**



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About OScad

- ▶ **Free and open source software alternative to OrCAD**
- ▶ **Can be used to:**
 - ▶ create circuit schematic
 - ▶ **perform simulation**



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About OScad

- ▶ **Free and open source software alternative to OrCAD**
- ▶ **Can be used to:**
 - ▶ create circuit schematic
 - ▶ perform simulation
 - ▶ **and create PCB layout**



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Credits and Acknowledgements

- ▶ **Developed by FOSSEE team, IIT Bombay**



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- ▶ **Funded by NMEICT, MHRD, Govt. of India**



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Prerequisites I

- ▶ **Basic knowledge of analog and digital electronics**



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Prerequisites I

- ▶ **Basic knowledge of analog and digital electronics**
- ▶ **Knowledge of Linux shell commands**



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Prerequisites I

- ▶ **Basic knowledge of analog and digital electronics**
- ▶ **Knowledge of Linux shell commands**
- ▶ **Please visit**
<http://spoken-tutorial.org> to
watch Linux and Bash tutorials



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Prerequisites II

- ▶ **Synaptic Package Manager should also be installed**



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Prerequisites II

- ▶ **Synaptic Package Manager should also be installed**
- ▶ **If not installed, do so using Ubuntu Software Center**



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Prerequisites II

- ▶ **Synaptic Package Manager should also be installed**
- ▶ **If not installed, do so using Ubuntu Software Center**
- ▶ **Should have working knowledge of Synaptic Package Manager**



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Prerequisites II

- ▶ **Synaptic Package Manager should also be installed**
- ▶ **If not installed, do so using Ubuntu Software Center**
- ▶ **Should have working knowledge of Synaptic Package Manager**
- ▶ **If not, please watch the relevant tutorial on <http://spoken-tutorial.org>**



Summary

- ▶ **To install Oscal version 1.0**
- ▶ **Test run Oscal using an example**



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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



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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>



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