

Designing circuit schematic in KiCad

Talk to a Teacher

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Steps involved in PCB designing



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1. **To create schematic for the desired circuit**



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1. To create schematic for the desired circuit
2. To generate netlist for this schematic



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3. To map components with corresponding footprints



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4. To create board layout for the circuit



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Software requirement

- ▶ **OS: Ubuntu 12.04**



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- ▶ **KiCad version: 2011-05-25**



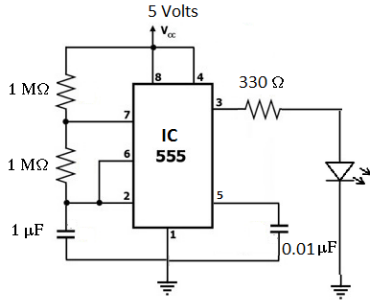
Prerequisite

- ▶ **Basic knowledge of electronic circuits**



Talk to a Teacher

Example circuit: Astable Multivibrator



Summary

- ▶ To use EESchema in KiCad for creating circuit schematic



Summary

- ▶ To use EESchema in KiCad for creating circuit schematic



Summary

- ▶ To use EESchema in KiCad for creating circuit schematic
- ▶ To do annotation of circuit schematic



Assignment

- ▶ Place component 'Inductor' on EESchema using components selection window



Assignment

- ▶ Place component 'Inductor' on EEschema using components selection window



Assignment

- ▶ Place component 'Inductor' on EESchema using components selection window
- ▶ Explore shortcut keys 'a','x','y'



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
- ▶ 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



Acknowledgement

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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>

