

# Introduction to QCAD

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Talk to a Teacher Project

<http://spoken-tutorial.org>

National Mission on

Education through ICT

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

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# What is QCAD?

- It is an application for computer aided drafting(CAD) in two dimensions.



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- ▶ It is an application for computer aided drafting(CAD) in two dimensions.
- ▶ Useful for technical drawings such as plans for buildings, interiors, mechanical parts and diagrams.
- ▶ **QCAD Community edition is available freely for download at:**

<http://www.qcad.org/>

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# Install QCAD?

- ▶ **QCAD Version**
  - ▶ **Ubuntu Version 10.04 LTS**
  - ▶ **QCAD Community Edition Version 2.0.5.0**



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  - ▶ **Go to System - Administration - Synaptic Package Manager**



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  - ▶ **Go to System - Administration - Synaptic Package Manager**
  - ▶ **check boxes for packages qcad, qcad data, qcad doc, part library and apply.**





# Install QCAD?

- ▶ **QCAD Version**
  - ▶ Ubuntu Version 10.04 LTS
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- ▶ **Install QCAD in Ubuntu**
  - ▶ Go to System - Administration - Synaptic Package Manager
  - ▶ check boxes for packages qcad, qcad data, qcad doc, part library and apply.
  - ▶ How to install software using synaptic, please refer to spoken tutorial available on this website: <http://spoken-tutorial.org>

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# How to Start QCAD?

- Go to Application - Accessories- Terminal and type qcad



# How to Start QCAD?

- ▶ Go to Application - Accessories- Terminal and type qcad
- ▶ For other Ubuntu Versions it is under Applications menu



# Lesson Outline

## ► The Lesson



# Lesson Outline

- ▶ **The Lesson**
  - ▶ **Menu items and Tool bar**



# Lesson Outline

- ▶ **The Lesson**
  - ▶ Menu items and Tool bar
  - ▶ **Drawing objects**



# Lesson Outline

- ▶ **The Lesson**
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  - ▶ Drawing objects
  - ▶ **Snap tools**



# Lesson Outline

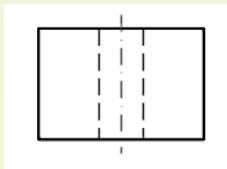
- ▶ **The Lesson**
  - ▶ Menu items and Tool bar
  - ▶ Drawing objects
  - ▶ Snap tools
  - ▶ **Layers**





# Assignment

- ▶ Draw a rectangle as shown in the figure



- ▶ Rectangle of size 20x30
- ▶ centre line of type dash and dot and colour red
- ▶ Two parallel lines are 5 units apart from centre line
- ▶ Add dimensions on new layer



# Acknowledgement

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- ▶ **More information:**  
<http://spoken-tutorial.org/NMEICT-Intro>



# Thank you

