

# Assembly of Robot

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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# Learning Objectives



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**In this tutorial, we will learn**

- **To assemble a simple Robot**



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**In this tutorial, we will learn**

- **To assemble a simple Robot**
- **About .apk file to control a Robot**



# Learning Objectives

In this tutorial, we will learn

- To assemble a simple Robot
- About .apk file to control a Robot
- How to install the app on a mobile phone



# Pre-Requisites

**To follow this tutorial, you should have basic knowledge of:**



# Pre-Requisites

To follow this tutorial, you should have basic knowledge of:

- **Electronics**



# System Requirements

**To record this tutorial, I am using**





# System Requirements

To record this tutorial, I am using

- **Ubuntu Linux 16.04 OS**



# System Requirements

To record this tutorial, I am using

- Ubuntu Linux 16.04 OS
- Android Phone



# External Components Required



# External Components Required



# Assembly of Robot



# About .apk file



# About .apk file

- **An APK file is an app created for Android - Google's mobile operating system**



# About .apk file

- An APK file is an app created for Android - Google's mobile operating system
- We have built an Android app to control the Robot which we have built





# About .apk file

- We have used the **MIT App Inventor** platform to build an app named **Car Bluetooth RC**



# About .apk file

- We have used the **MIT App Inventor** platform to build an app named **Car Bluetooth RC**
- To use this app on your phone, you need to download this .apk file



# Code Files - Car Bluetooth RC.apk



# Code Files - Car Bluetooth RC.apk

- The .apk file used in this tutorial is available in the **Code Files** link on this tutorial page



# Code Files - Car Bluetooth RC.apk

- The .apk file used in this tutorial is available in the [Code Files](#) link on this tutorial page
- Please download and extract it



# Code Files - Car Bluetooth RC.apk

- The .apk file used in this tutorial is available in the **Code Files** link on this tutorial page
- Please download and extract it
- Make a copy and then use it while practising



# Summary

- To assemble a simple Robot
- About .apk file to control a Robot
- How to install the app on a mobile phone



# About the Spoken Tutorial Project

- Watch the video available at [https://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](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](mailto:contact@spoken-tutorial.org)



# Forum for specific questions

- Do you have questions in THIS Spoken Tutorial?
- Please visit <https://forums.spoken-tutorial.org>
- Choose the minute and second where you have the question
- Explain your question briefly
- Someone from our team will answer them



# Acknowledgements

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