

# Introduction to Part Design Workbench

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

Dr. Sathiya Narayanan & K.Sakthivel

Domain: Dr. Sathiya Narayanan

Dr. Jayendra Bharathi

SASTRA, IIT Bombay

20 June 2024



# Learning Objectives



# Learning Objectives

**We will learn to,**









# System Requirements







# Pre-requisites



# Pre-requisites

- ▶ **Learners must be familiar with the FreeCAD interface**



# Pre-requisites

- ▶ Learners must be familiar with the FreeCAD interface
- ▶ For pre-requisite tutorials, please visit this site  
<https://spoken-tutorial.org>



# Part Design Workbench



# Part Design Workbench

**Learn about Part design workbench**





# Part Design Workbench

**Learn about Part design workbench**

- ▶ **This workbench provides tools for creating 3 dimensional solid objects**
- ▶ **Using this workbench it is possible to design precise 3D mechanical parts**



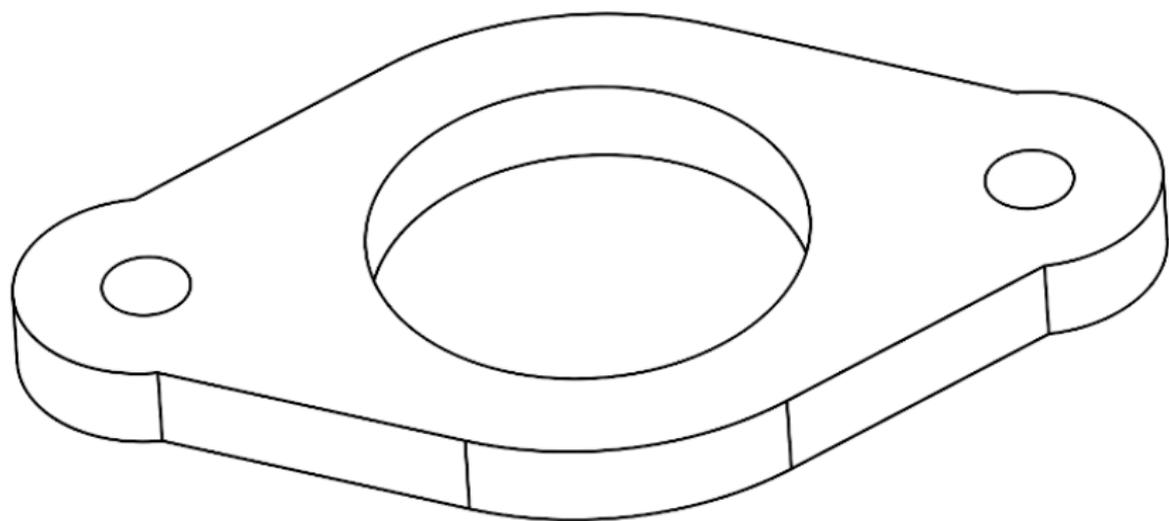




# Flange coupling



# Flange coupling





# Assignment

- ▶ Practice to draw different shapes
- ▶ Practice pad and pocket tool



# 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

# 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







# Acknowledgements

**The Spoken Tutorial project was established by the Ministry of Education, Govt. of India**



# Thank You!

- ▶ **This tutorial is contributed by Dr. Sathiya Narayanan and K.Sakthivel**
- ▶ **Thank you for joining**

