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11,12  
&13  
2018

# MANIPULATORS IN SERVICE ROBOTICS, APPLICATION & PROGRAMMING INTERFACES

1 Introduction to Kinova robotic arm & control

2 Overview of Development center, API, running and understanding code examples

3 Hardware Training on actuators



4 Overview of Kinova ROS package & API

KINOVA  
ROBOTICS

5 Overview of Matlab wrapper

6 Comparison study with other manipulators

7 Open discussion

NUGENIX

## Objectives

The main objective of this workshop is to make the aspiring engineers, Research scholars, Industrial delegates acquainted with the conceptual as well as practical knowledge about Manipulators & system integration for service robotics applications. The idea of organizing this workshop is to inculcate the fundamentals of Modeling, design and Integration of system in its programming environment.

## About the Workshop

A large number of Robot Manipulators have been designed over the last two decades and many of these robots were deployed as standard platforms in R&D to enhance in thrust area of Heavy Industry Automation, Entertainment, Surgical robots in Medical applications, Defense, Assistive robots etc. These robots is same today as it was back then, but for signature arm has only evolved and become more redefined over time.

These variants of manipulators are more comprehensive to handle during system integration. Solutions for all these problems had always been difficult when we handle in real time scenario. This workshop addresses on these problems intuitively and gives the solution for various Industrial and Research applications.

## Who can attend?

Industrial Delegates  
Faculty Members  
UG/PG Student/Research  
Scholars

## Registration Fee

Only for  
₹2500/-