



IEEE  
SOCIETY  
OF PAKISTAN

NCRA  
NATIONAL CENTER FOR  
RESEARCH IN COMPUTING AND ARTIFICIAL INTELLIGENCE



Artificial Intelligence, Deep Learning, Robot, Machine Learning, Coding, Embedded Systems

Hands-on

# Workshops

Hands-on Workshop  
on  
Robot Operating System

Hands-on Workshop  
on  
Robot Vision and Edge AI

## Major Takeaways

- Enabling Robots to See: Medical, Space, Industry, Military etc.
- Edge Computing: Jetson Xavier, Jetson Nano, R-PL, OAK-D etc.
- Edge Deployment: Object Detection, Crowd Analysis etc.
- Getting familiar with ROS
- Creating your first ROS Project
- ROS with Controllers
- Connecting Multiple Systems over the Internet
- Programming your first SIMBOT



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