



# Robotics Research Laboratory

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## Capabilities

- ✓ Design of Mechanical Manipulators.
- ✓ Modeling of Elastic Robot.
- ✓ Stress Analysis of manipulator.
- ✓ Vision Based Robot **Experiment**.
- ✓ Vision Based Robot Control and **Simulation**.
- ✓ Symbolic Derivation.
- ✓ Determining maximum Allowable Load.
- ✓ FMEA and QFD analysis of Robots.
- ✓ Performance Testing of Robots.

## Equipment

- ✓ 6R Mechanical Robot.
- ✓ 3P Robot.
- ✓ AtlassII Robot.
- ✓ Sweeper Mobile Robot.
- ✓ MoboLab Robot.
- ✓ Multimedia Software.
- ✓ Robot Training Software.
- ✓ Mechanical Manipulator.
- ✓ Various Types of Robot Simulations.
- ✓ Various Types of End effectors.

