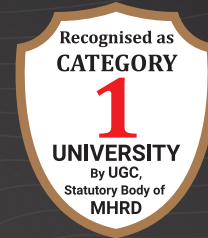




(DEEMED TO BE UNIVERSITY)

# KLU



## Department of Electronics & Communication Engineering

**MEMS RESEARCH CENTER@KLU**

The following Tools and Equipment is Available in MRC@KLU for Consultancy for Ph.D Scholars, M.Tech Scholars & B.Tech Scholars for outsiders throughout the India.

AIM: Design, Simulation, Analysis and Testing of Micro/Nano Devices for Engineering Applications

### Available FEM tools



| COMSOL   | INTELLISUITE  |   |
|--|---|---|
| <p><b>RF MEMS Modules</b></p> <ul style="list-style-type: none"> <li>✓ Switches</li> <li>✓ Reconfigurable Filters</li> <li>✓ Reconfigurable Antenna</li> <li>✓ Inductors</li> <li>✓ Variable Capacitors</li> </ul> | <p><b>Bio – MEMS Modules</b></p> <ul style="list-style-type: none"> <li>✓ Microchannel based sensors</li> <li>✓ Micromixers</li> <li>✓ Accelerometers to detect body tremors</li> <li>✓ Glucose Monitoring sensors</li> </ul> | <p><b>Other Modules</b></p> <ul style="list-style-type: none"> <li>✓ Energy Harvesters</li> <li>✓ Resonators</li> <li>✓ Microgrippers</li> <li>✓ Heat sinker</li> </ul> |

### Available Equipment



| Measurements  |
|---------------|
| ✓ Impedance   |
| ✓ Capacitance |
| ✓ Inductance  |
| ✓ Resistance  |
| ✓ Conductance |