LIST OF VIRTUAL LABORATORIES

OF DIFFERENT DEPARTMENTS

**NATIONAL WEBSITE LINK:** <http://www.vlab.co.in/>

**IIT-KHARAGPUR VIRTUAL LAB HOME PAGE LINK:** <http://vlabs.iitkgp.ac.in/>

**NATIONAL CO-ORDINATOR (Virtual Labs):** Prof. Ranjan Bose, IIT Delhi

**PI (Virtual Labs, IIT Kharagpur):** Prof. Cheruvu Siva Kumar

**Co-PI & Outreach Co-ordinator (Virtual Labs, IIT Kharagpur):**Prof. Alok Kanti Deb



VIRTUAL LABS FOR MECHANICAL ENGINEERING

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| **Sl No** | **Name of the Labs** | **Links** | **Developed by** |
| 1 | Material Response to Microstructural, Mechanical, Thermal & Biological Stimuli Lab | <http://mrmsmtbs-iitk.vlabs.ac.in/> | IIT KANPUR |
| 2 | Technology CAD(TCAD) Lab | <http://vlabs.iitkgp.ernet.in/tcad/> | IIT KHARAGPUR |
| 3 | Virtual Lab on Multiphase Flow | <http://vlabs.iitkgp.ernet.in/mf/> | IIT KHARAGPUR |
| 4 | Virtual Lab on Mine Ventilation | <http://vlabs.iitkgp.ernet.in/mv/> | IIT KHARAGPUR |
| 5 | Mechanisms and Robotics Lab | <http://vlabs.iitkgp.ernet.in/mr/> | IIT KHARAGPUR |
| 6 | Remote Triggered Virtual Lab on Automotive Systems | <http://vlabs.iitkgp.ernet.in/rtvlas/> | IIT KHARAGPUR |
| 7 | Plant Metabolic Pathways Virtual Lab | <http://vlabs.iitkgp.ernet.in/pmp/> | IIT KHARAGPUR |
| 8 | Mechanical Systems and Signal Processing Lab | <http://vlabs.iitkgp.ernet.in/mssp/> | IIT KHARAGPUR |
| 9 | Model Based Fault Detection Lab | <http://vlabs.iitkgp.ernet.in/mbfd/> | IIT KHARAGPUR |
| 10 | Metal Forming Lab | <http://msvs-dei.vlabs.ac.in/> | DAYALBAGH |
| 11 | Mechanics of Machine Lab | <http://mm-nitk.vlabs.ac.in/> | NIT KARNATAKA |
| 12 | Machine Dynamics & Vibration Lab | <http://mdmv-nitk.vlabs.ac.in/> | NIT KARNATAKA |
| 13 | Vibration and Acoustics Lab | <http://va-coep.vlabs.ac.in/> | COE PUNE |
| 14 | Micromachining Lab | <http://mm-coep.vlabs.ac.in/> | COE PUNE |
| 15 | FAB Lab | <http://fab-coep.vlabs.ac.in/> | COE PUNE |
| 16 | General Purpose Production Shop Simulation Lab | <http://gssl.iitk.ac.in/pssl/> | IIT KANPUR |
| 17 | Rotating Machinery Fault Simulation Lab | <http://vlabs.iitkgp.ernet.in/rmfs/> | IIT KHARAGPUR |