

## Dynamics and Vibration Laboratory

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**Location:** E-123



Dynamics and Vibration laboratory is equipped with facilities and equipment's such as smart shakers, accelerometers, universal vibration apparatus, static and dynamic balancing apparatus, cam-analysis apparatus, whirling of shaft apparatus, gyroscopes, apparatus for determining Coriolis component of acceleration etc. The laboratory is also equipped with cut-section models of gearbox with clutch, models of cams and followers, models of M.I of flywheels, Oldham's coupling, compound and simple gear trains, slider crank mechanisms, Ackerman's steering gear, Trifilar suspension systems etc. There are also experimental systems designed and fabricated by students as part of their ME Design project which includes, a bench top wind turbine test rig system for performing condition monitoring studies, a system for studying various vibration characteristics of beam, a miniature shaking table, arrangement for studying flow-induced vibration of cylinders inside wind tunnel etc.