



MECHANICAL ENGINEERING DEPARTMENT

B.E. 4th SEMESTER

SUBJECT: MECHANICAL MEASUREMENT & METROLOGY

SUBJECT CODE: 3141901

Sr.No.	Topic	Link	By
1	Introduction to Metrology, Linear and Angular Measurement	https://youtu.be/HpIEeBtJupY https://youtu.be/u8UW9O1UHCw https://youtu.be/SBGacenZ_80 https://youtu.be/ioyRjm-dSul https://youtu.be/E7KWOTQOV3M https://youtu.be/CtGXjmqZqWc https://youtu.be/kr_PnTQpxSw https://youtu.be/U_LMe40gxds https://youtu.be/MXJtYL4xX9U https://youtu.be/3fRGpA8AF6E	NPTEL
2	System of Limits, Fits, Tolerance and Gauging	https://youtu.be/-_qz8_sbhwY https://youtu.be/c8TKftViusQ https://youtu.be/uAntebtIgCY https://youtu.be/rbk28swliHU https://youtu.be/MoIZaWBwUus https://youtu.be/xPUjQAtre7Q https://youtu.be/OcbkOvjZujU https://youtu.be/fbk0_nPNUTE https://youtu.be/zmxjIFEcCUM	NPTEL
3	Comparators	https://youtu.be/Hi7NUJdznc0 https://youtu.be/2vgkxHe_24g https://youtu.be/TyM28gmhJcc	NPTEL
4	Measurement of screw thread and gear	https://youtu.be/O7WvzU3FQ5c https://youtu.be/xPGi2e-gOo8 https://youtu.be/nIEzConZn3s	NPTEL
5	Measurement systems and basic concepts of measurement methods	https://youtu.be/jpHzjhYyKO4 https://youtu.be/7VNyyInaVsU	NPTEL

6	Advances in metrology	https://youtu.be/Qv5YzrqL6sU https://youtu.be/Cyz00qLobK8 https://youtu.be/cjzSXPDBA_Q https://youtu.be/-tLq1wXio0U https://youtu.be/oyhnglr_HiY	NPTEL
7	Measurement of Force	https://youtu.be/noHzHxbkYp4	Asst.Prof.Chirag Mevada
8	Elastic Force Meter	https://youtu.be/Otm4qPp_F9E	Asst.Prof.Chirag Mevada
9	Measurement of Torque and Shaft Power	https://youtu.be/DPQYx1wKgWU	Asst.Prof.Chirag Mevada
10	Measurement of Strain	https://youtu.be/9WCmd5cGdsc	Asst.Prof.Chirag Mevada
11	Introduction to Pressure Measurement	https://youtu.be/N7NvPrbcmUo	Asst.Prof.Chirag Mevada
12	Manometer	https://youtu.be/ZfE3apTQ7ZQ	Asst.Prof.Chirag Mevada
13	Elastic Pressure Transducers	https://youtu.be/QPeuJwje-lk	Asst.Prof.Chirag Mevada
14	Measurement of Vacuum	https://youtu.be/MP6yhE3htE8	Asst.Prof.Chirag Mevada
15	Force Balance Pressure Gauges	https://youtu.be/o7YvA106T1Q	Asst.Prof.Chirag Mevada
16	Electrical Pressure Transducer	https://youtu.be/Acwlceb-umU	Asst.Prof.Chirag Mevada
17	Calibration of Pressure Measuring Instruments	https://youtu.be/LMwe7kqq2p8	Asst.Prof.Chirag Mevada