

Subject Name: Measurement and Control

Subject Code: ME-602

Teacher's Name: Rohit Bhardwaj

Semester: 6th

Sr. No.	Topics	Links
1.	• Need and classification of measurements and instruments • basic and auxiliary functional elements of a measurement system • mechanical versus electrical/electronic instruments • primary, secondary and working standards.	https://drive.google.com/file/d/10qQeAb6T42OghP9HsTq9LestT_pjOBRP/view?usp=sharing https://drive.google.com/file/d/1I3cQxFa4SZTCpnajLGC3oHHLToyG_-gS/view?usp=sharing
2.	• Resistances strain gauges • gauge factor • bonded and unbonded gauges • surface preparation and bonding technique • signal conditioning and bridge circuits • temperature compensation, • application of strain gauges for direct, bending and torsional loads.	https://drive.google.com/file/d/1OdViVsOfBGOEoTU2-JNHnXALLzXoJxAn/view?usp=sharing
3.	• Bourdon tube, diaphragm and bellows, • vacuum measurement – Mecleod gauge, thermal conductivity gauge and ionisation gauge • dead weight gauge tester. • Electromagnetic flux meters • ultra-sonic flow meters and hot wire anemometer	https://drive.google.com/file/d/1HXJs2tnAOnoEnMUyq2tfEzcnBP4sDfjD/view?usp=sharing https://drive.google.com/file/d/1raixUrUQA1gLO3hxZVuJtOMEkjjwxTtr/view?usp=sharing