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INSTITUTE	IIT Guwahati
COURSE OUTLINE	Measurement is always of fundamental significance to the practicing engineers. For the development of any mechanical design procedure, experiments are of paramount interest. Accordingly measurement and correct interpretation of the concerned observation are necessary part of any standard engineering task and also R&D. present course will introduce the student to the fundamentals of measurement, discussing about various relevant concepts & terminologies. The mathematical background requirement, categorize & analyze various measurement devices will be prepared and a very pertinent discussion on digitalization will be presenters of scientific interest, such as displacement, motion, stress, force, flow, pressure, temperature etc., will be discussed in detail.

COURSE DETAILS

S. No	Module ID/ Lecture ID	Lecture Title/Topic
1	MODULE-1_L1	Introduction to acoustic measurement
2	MODULE-1_L2	Radioactivity & its biological effects
3	MODULE-1_L3	Introduction to acoustic measurement
4	MODULE-1_L4	Radioactivity & its biological effects
5	MODULE-2_L1	Introduction to acoustic measurement
6	MODULE-2_L2	Radioactivity & its biological effects
7	MODULE-2_L3	Introduction to acoustic measurement
8	MODULE-3_L1	Radioactivity & its biological effects

9	MODULE-3_L2	Introduction to acoustic measurement
10	MODULE-3_L3	Radioactivity & its biological effects
11	MODULE-3_L4	Introduction to acoustic measurement
12	MODULE-4_L1	Radioactivity & its biological effects
13	MODULE-4_L2	Introduction to acoustic measurement
14	MODULE-5_L1	Radioactivity & its biological effects
15	MODULE-5_L2	Introduction to acoustic measurement
16	MODULE-5_L3	Radioactivity & its biological effects
17	MODULE-6_L1	Introduction to acoustic measurement
18	MODULE-6_L2	Radioactivity & its biological effects
19	MODULE-7_L1	Introduction to acoustic measurement
20	MODULE-7_L2	Radioactivity & its biological effects
21	MODULE-8_L1	Introduction to acoustic measurement
22	MODULE-8_L2	Radioactivity & its biological effects
23	MODULE-8_L3	Introduction to acoustic measurement
24	MODULE-9_L1	Radioactivity & its biological effects
25	MODULE-9_L2	Introduction to acoustic measurement
26	MODULE-9_L3	Radioactivity & its biological effects
27	MODULE-10_L1	Introduction to acoustic measurement
28	MODULE-10_L2	Radioactivity & its biological effects
29	MODULE-10_L3	Introduction to acoustic measurement
30	MODULE-11_L1	Radioactivity & its biological effects
31	MODULE-11_L2	Introduction to acoustic measurement

32	MODULE-12_L1	Radioactivity & its biological effects
33	MODULE-12_L2	Introduction to acoustic measurement

References if Any: None