



Jain College of Engineering & Research, Belagavi

(Approved by AICTE, New Delhi, Affiliated to VTU Belagavi & Recognized by Govt. of Karnataka)

Roll No :

USN: 2IR20ME016

Department of ~~MECHANICAL~~ ENGINEERING

2021 - 2022

CERTIFICATE

This is to certify that Mr./Ms.VARSHA HOLENNAVAR.....
Bearing USN : 2IR20ME016.....has satisfactorily completed the
course of experiments in MECHANICAL MEASUREMENTS AND METROLOGY
laboratory prescribed for IIIrd semester by the Visvesvaraya
Technological University, Belagavi during the academic year
2021 - 2022

Staff In-charge

Head of Department

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Sl. No.	Date	Name of the Experiment	Page No.	C.I.E. (Marks)			Sign.
				20'	5''	5'''	
PART-A							
1	27/10/21	CALIBRATION OF LOAD CELL	1-5	20	5	5	PJ
2	10/11/21	CALIBRATION OF LVDT	6-11	20	5	5	PJ
3	17/11/21	DETERMINATION OF MODULUS OF ELASTICITY OF A MILD STEEL SPECIMEN USING STRAIN GAUGES	12-15	20	5	5	PJ
4	1/12/21	CALIBRATION OF PRESSURE GAUGE	16-19	20	5	5	PJ
5	8/12/21	CALIBRATION OF THERMOCOUPLE	20-23	20	5	5	PJ
PART-B							
6	15/12/21	CALIBRATION OF MICROMETER USING SLIP GAUGES	24-28	20	5	5	PJ
7	24/12/21	MEASUREMENT OF GEAR TOOTH PROFILE USING GEAR TOOTH VERNIER	29-31	20	5	5	PJ
8	5/01/22	CALIBRATION OF VERNIER CALIPER USING SLIP GAUGES	32-35	20	5	5	PJ
9	12/01/22	MEASUREMENT USING TOOL MAKER'S MICROSCOPE	36-38	20	5	5	PJ
10	19/01/22	MEASUREMENT OF ANGLE USING					
Average of all Experiments							

Evaluation of Laboratory	Max. Marks	Obtained Marks	Sign.
Cumulative C.I.E.	30		
Internal Assessment	10		
Total	40		

*Conduction marks

**Attendance Marks

***Each Experiment write up marks

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Sl. No.	Date	Name of the Experiment	Page No.	C.I.E. (Marks)			Sign.
				20'	5''	5'''	
		SINE CENTRE	39-41	20	5	5	(P)
11	02/2/22	MEASUREMENT OF SURFACE ROUGHNESS USING MECHANICAL COMPARATOR	42-44	20	5	5	(P)
12	09/02/22	MEASUREMENT USING OPTICAL FLATS	45-47	20	5	5	(P)
Average of all Experiments				20	5	5	(P)

<u>Evaluation of Laboratory</u>	Max. Marks	Obtained Marks	Sign.
Cumulative C.I.E.	30	20	(P)
Internal Assessment	10	09	
Total	40	39	

*Conduction marks

**Attendance Marks

***Each Experiment write up marks