



GUJARAT TECHNOLOGICAL UNIVERSITY

Syllabus for Bachelor of Vocation (B.Voc), 1st Semester

Branch: Production Technology

Subject Name: Mechanical Metrology-I Lab

Subject Code: 21110305

**With effective
from academic
year 2021-22**

Teaching and Examination Scheme:

Teaching Scheme			Credit	Examination Marks				Total Marks
L	T	P		Theory Marks		Practical Marks		
				ESE (E)	PA(M)	ESE(V)	PA(I)	
3	0	2	2	0	0	30	20	50

L- Lectures; P- Practical; OJT- On Job Training; C- Credit; ESE- End Semester Examination;
PA- Progressive Assessment

Content:

Sr. No.	Topic	No. of Hours	% Weightage
01	To measure the length, breadth, thickness, depth, height using Vernier calipers	6	20
02	To measure the length, breadth, thickness, depth, height with micrometer.	6	20
03	Calibration of Vernier calipers/micrometers and Zero error correction.	6	20
04	Measurement of angle with the help of sine bar and Vernier Bevel protractor.	6	20
05	Measurement using slip gauge	6	20