



VIT
Vellore Institute of Technology
(Deemed to be University under section 3 of UGC Act, 1956)

SCHOOL OF ADVANCED SCIENCES
DEPARTMENT OF MATHEMATICS
WINTER SEMESTER 2020-2021

MAT2001 – Statistics for Engineers

Embedded Lab Using R Statistical Software

List of Experiments and Evaluation Details

Exp. No.	Experiment Title	Maximum Marks	Weightage Marks (100)
Continuous Assessment Marks (CAM)			
1.	Measures of Central Tendency, Measures of Variability	10	10
2.	Correlation, Rank Correlation, Linear Regression and Multiple Linear Regression	10	10
3.	Binomial, Poisson and Normal Distributions	10	10
4.	Sample Techniques I - Z-Test for: Single Proportion, Single Mean, Difference of Proportions and Difference of Means	10	10
5.	Sample Techniques II - t-Test for Single Mean, Difference of Means, Paired t-test and F-Test	10	10
6.	Chi-Square Test and Design of Experiments	10	10
Final Assessment Test Marks (FAT)			
Final Assessment Test (To be Conducted in Last Week of the Semester)		50	40
Total Marks			100

Marks Split-up for Each Experiment in CAM:

S.No.	Component	Maximum Marks
1.	Performance during Virtual Lab	
	Aim	1
	Procedure	1
	Programme/Code	4
	Output	2
2.	E-record	
	Digitally submits on the same day	2
	Total Marks for Each Experiment	10

If the student is absent for one experiment and he/she is performing the missed experiment and uploading it, then 75% of internal marks (CAM) of the experiment may be awarded.

Marks Split-up in FAT:

S. No.	Component	Maximum Marks
1.	Aim	2
2.	Mathematical Formula	3
3.	Procedure (Explanation with Programming Code)	20
4.	Result (Output)	15
5.	Viva-Voce	10
Total Marks		50

Prepared by Coordinators
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