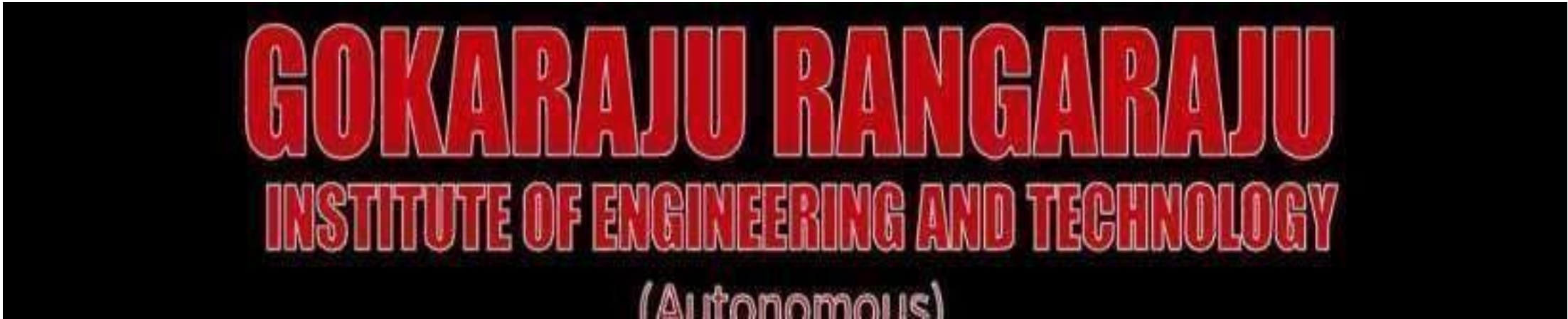
Remedial Classes 2022-2023

Department of AIMLE



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GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY

REMEDIAL SCHOOL

Remedial Classes Schedule for II &III Year students 2022-2023-Phase-II

10-7-23

From

Dean Remedial school
GRIET.

To
The HOD OF H&S
GRIET.

Request for faculty to conduct Remedial classes.

Sir/Madam,

This is to inform you that the Remedial school of GRIET is conducting Remedial classes of through online mode for B. Tech I- year students to cleartheir backlogs.To conduct the classes, we request you to nominate faculty for each of the following subjects .

S.NO	COUSE TITLE	DEPARTMENT	FACULTY NAME
1	Probability and Statistics	H&S	G.SRIKANTH REDDY

Thank you,
Your sincerley

V.N. Rama Devi

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING & TECHNOLOGY

REMEDIAL SCHOOL

Remedial Classes Schedule for II &III Year students
2022-2023

Phase-II

Timings:3.00 pm-4.00 pm

Tentative schedule

S.NO	NAME OF THE SUBJECT	FACULTY	DAY1	DAY2	DAY3	DAY4
1	P&S	G.SRIKANTH.REDDY	12-7-2023	13-7-2023	14-7-2023	15-7-2023

Thank you,
Your sincerley

V.N. Rama Devi

GOKARAJU RANGARAJU INSTITUTE OF ENGINEERING AND TECHNOLOGY

PROBABILITY AND STATISTICS

Course Code: GR20A2005 II Year I Semester L/T/P/C: 3/0/0/3

Course Objectives

1. Interpret the measures of central tendency and dispersion.
2. Distinguish between explanatory and response variables and analyze data using correlation and regression.
3. Apply various probability distributions.
4. Apply tests of hypothesis.
5. Employ basic analysis of time series data.

Course Outcomes The expected outcomes of the Course are:

1. Compute and interpret descriptive statistics.
2. Evaluate random processes which occur in engineering applications governed by the Binomial, Poisson, Normal and Exponential distributions.
3. Fit the models using Regression Analysis.
4. Apply Inferential Statistics to make predictions or judgments about the population from which the sample data is drawn.
5. Interpret Time series data.

UNIT I: Random Variables, Basic Statistics, Correlation and Regression Notion of Randomness, Random Experiment, Random variables – Discrete and Continuous, Probability mass function and density function, constants of r.v.s (Mean, Variance, Monents about mean), Concept of Bivariate distributions and Covariance. Measures of central tendency and moments. Correlation : Karl-Pearson's correlation coefficient and Spearman's Rank correlation, Statements of their properties and problems, Simple and Multiple Linear Regression (three variables case only), Statements of properties of Regression coefficients and problems.

UNIT II : Probability Distributions Discrete Distributions: Binomial and Poisson distributions - definition, real life examples, Statements of their Mean and Variance, related problems, evaluation of statistical parameters. Continuous Distributions: Normal, Exponential and Gamma distributions - definition, real life examples, Statements of their Mean and Variance and related problems, evaluation of statistical parameters for Normal distribution.

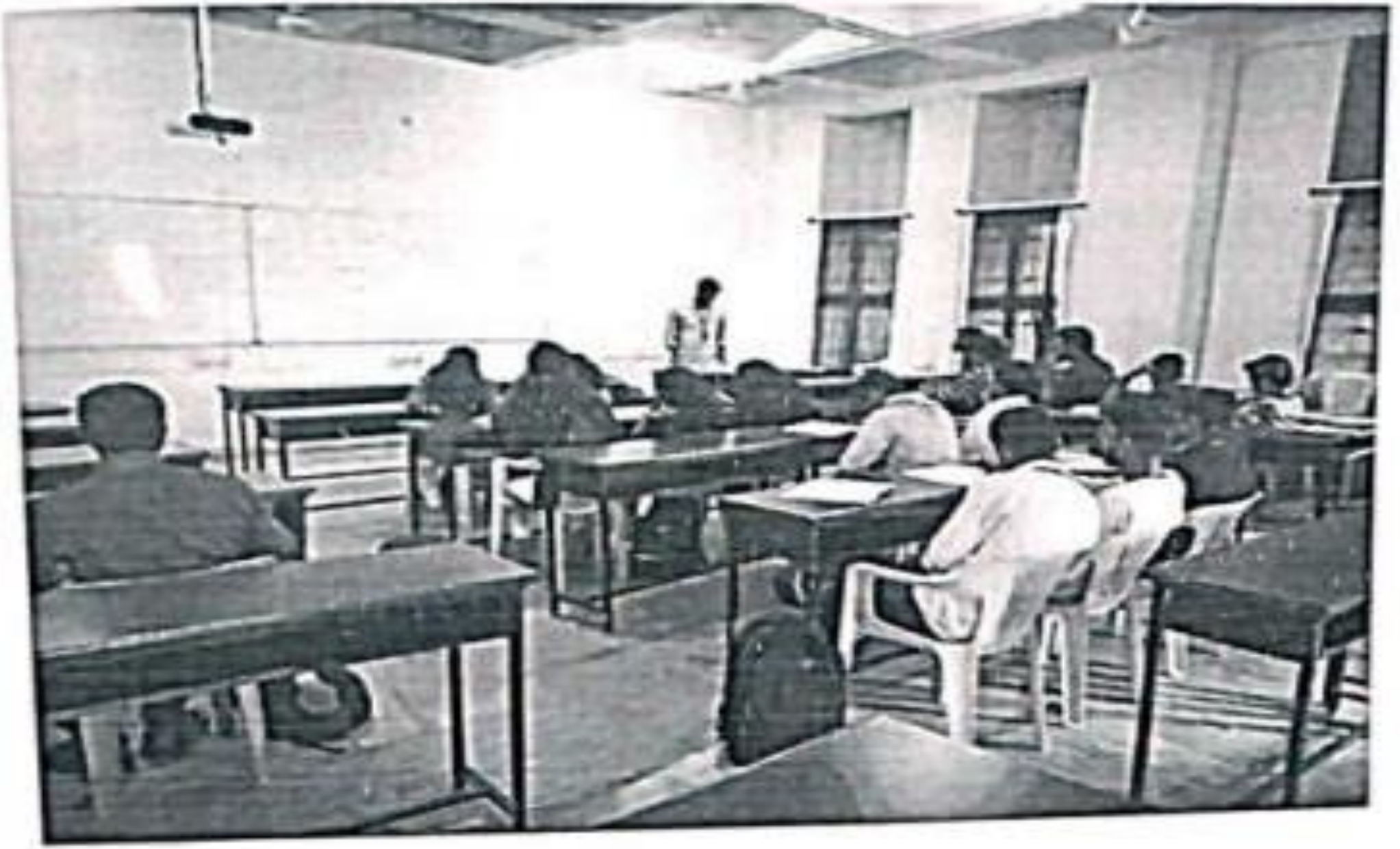
UNIT III : Testing of Hypothesis-1 (Large sample) Concept of Sampling distribution and Standard error, tests for single proportion, difference of proportions, single mean, difference of means and Chi-square test for independence of attributes. Estimation of confidence interval for population mean and population proportions.

UNIT IV : Testing of Hypothesis-2 (Small Sample) Tests for single mean, difference of means, Population variance, ratio of variances, ANOVA 1-way and 2-way. Estimation of confidence interval for Population mean.

UNIT V : Time Series analysis Components of Time series, Additive and Multiplicative Decomposition of Time series components, Measuring trend by method of Moving averages, Straight line and Second degree parabola, Measuring seasonal variation by Ratio to Trend method and Ratio to Moving averages method.

ATTENDANCE SHEET

S.NO	ROL NO	12-7-23	13-7-23	14-7-23	15-7-23
1	20241A6621	P	P	P	P
2	20241A6632	P	P	P	P
3	20241A6636	P	P	P	P
4	20241A6648	P	A	P	P
5	20241A6659	P	A	P	P
6	20241A6661	P	P	P	P
7	20241A6608	P	P	P	P
8	20241A6615	A	P	P	P
9	20241A6618	A	P	P	P
10	20241A6628	P	P	P	P
11	20241A6634	P	P	P	P
12	21241A6660	P	P	P	P
13	21241A6689	P	P	P	P
14	21241A6699	P	P	P	P
15	21241A66F5	A	P	A	P
16	21241A66G2	P	P	A	P
17	21241A66G7	P	P	A	P
18	21241A66H2	P	P	P	P
19	21241A6714	P	P	P	P
20	21241A6726	P	A	P	A
21	21241A6739	P	p	P	A
22	21241A6744	A	P	P	P
23	21241A6754	A	P	P	P
24	21241A6764	A	P	A	P



Gokaraju Rangaraju Institute of Engineering and Technology

Remedial School

Student's Feedback on Remedial classes

Branch:H&S **Year: 2022-23** **Semester:II-Isem**

Subject: Probability and Statistics **Faculty Name:** G..Srikanth Reddy

S.No	Item	Feed back
1.	Material presented	Excellent
2.	Teaching Clarity	Very Good
3.	Coverage of important topics	Excellent
4.	Doubts clarification	Excellent

Suggestions: Nil

(H&S-HOD)

V.N. Rama Devi

Dean, Remedial School

Number of Students attended exam List

III-AIML

SNO	ROLLNO
1	20241A6621
2	20241A6632
3	20241A6636
4	20241A6649
5	20241A6658
6	20241A6659

III-DS

1	20241A6719
2	20241A6727
3	21245A6702

II-AIML

1	21241A6603
2	21241A6627
3	21241A6634
4	21241A6635
5	21241A6660
6	21241A6668
7	21241A6689
8	21241A6693
9	21241A6699
10	21241A66F4
11	21241A66F5
12	21241A66F7
13	21241A66G0
14	21241A66G1
15	21241A66G2
16	21241A66G4
17	21241A66G7
18	21241A66H2

II-CSDS

1	21241A6603
2	21241A6714
3	21241A6721
4	21241A6726
5	21241A6739
6	21241A6744
7	21241A6747
8	21241A6748
9	21241A6754
10	21241A6763
11	21241A6764
12	21241A6765
13	22245A6705

TRANSITION RATE

The following shows the courses for which Remedial classes are held and the Transition rate in such course.

S.No	Subject	No. of students attended for exam	No. of Students Passed in Exam	Transition Rate
1	P&S	40	23	57%