CHRIST
COLLEGE (AUTONOMOUS)
IRINJALAKUDA, KERALA

(Regn, No. 137/75; No.F.22-1/2015/AC.U.G.C.)
Affiliated to University of Calicut and Re-accredited by NAAC 'A++' Grade
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Department:GEOLOGY   Batch:BSC GEO 2022   Semester:S6

Subject Planner Report (Proposed) Of CC19USTA3C03 Probability Distributions and Sampling Theory

Sl.no	Topic Name	Description	Date	Hour	Module	Mode of Instruction	Teaching Pedagogy
1	Introduction	Syllabus	05-06-2023	2	1	Lecture	Participative Learning
2	Uniform Distribution	Mean, variance and mgf	06-06-2023	4	1	Lecture	Participative Learning
3	Bernoulli Distribution	Introduction, Definition, Mean	07-06-2023	2	1	Lecture	Participative Learning
4	Bernoulli Distribution	Variance, Moment generating fucntion	08-06-2023	4	1	Lecture	Participative Learning
5	Binomial Distribution	Introduction, Definition, Mean	09-06-2023	1	1	Lecture	Participative Learning
6	Binomial Distribution	Variance, mgf, mode	12-06-2023	2	1	Lecture	Participative Learning
7	Binomial Distribution	Renevosky Formula	13-06-2023	4	1	Lecture	Participative Learning
8	Binomial Distribution	Moments, Additive property	14-06-2023	2	1	Lecture	Participative Learning
9	Binomial Distribution	Problems	15-06-2023	4	1	Lecture	Participative Learning
10	Poisson Distribution	Introduction, Definition, Mean	16-06-2023	1	1	Lecture	Participative Learning
11	Poisson Distribution	Variance, mgf, mode	19-06-2023	2	1	Lecture	Participative Learning
12	Poisson Distribution	Recurrence Relation, Additive Property	20-06-2023	4	1	Lecture	Participative Learning
13	Poisson Distribution	Problems	21-06-2023	2	1	Lecture	Participative Learning
14	Geometric Distribution	Introduction, Definition, Mean	22-06-2023	4	1	Lecture	Participative Learning
15	Geometric Distribution	Variance, Mgf	23-06-2023	1	1	Lecture	Participative Learning

16	Geometric Distribution	Lack of Memory Property	26-06-2023	2	1	Lecture	Participative Learning
17	Negative Binomial Distribution	Introduction and Definition only	27-06-2023	4	1	Lecture	Participative Learning
18	Rectangular Distribution	Introduction, Definition, Mean	28-06-2023	2	1	Lecture	Participative Learning
19	Rectangular Distribution	Variance, Mgf, problems	29-06-2023	4	1	Lecture	Participative Learning
20	Gamma Distribution	Introduction, Definition	30-06-2023	1	1	Lecture	Participative Learning
21	Gamma Distribution	Mean , variance , mgf	04-07-2023	4	1	Lecture	Participative Learning
22	Exponential Distribution	Introduction, Definition, Mean	05-07-2023	2	1	Lecture	Participative Learning
23	Exponential Distribution	Variance, mgf	06-07-2023	4	1	Lecture	Participative Learning
24	Exponential Distribution	Lack of Memory Property	07-07-2023	1	1	Lecture	Participative Learning
25	Exponential Distribution	Problem Solving	10-07-2023	2	1	Lecture	Participative Learning
26	Normal Distribution	Introduction, Definition	11-07-2023	4	1	Lecture	Participative Learning
27	Normal Distribution	Mean of Normal distribution	12-07-2023	2	1	Lecture	Participative Learning
28	Normal Distribution	Variance of Normal distribution	13-07-2023	4	1	Lecture	Participative Learning
29	Normal Distribution	Odd and even order moments	14-07-2023	1	1	Lecture	Participative Learning
30	Normal Distribution	Median of Normal distribution	17-07-2023	2	1	Lecture	Participative Learning
31	Normal Distribution	Mode of Normal distribution	18-07-2023	4	1	Lecture	Participative Learning
32	Normal Distribution	Limiting Case	19-07-2023	2	1	Lecture	Participative Learning
33	Normal Distribution	Additive property of of Normal distribution	20-07-2023	4	1	Lecture	Participative Learning

34	Normal Distribution	Mean Deviation of Normal distribution	21-07-2023	1	1	Lecture	Participative Learning
35	Normal Distribution	Standard Normal distribution	24-07-2023	2	1	Lecture	Participative Learning
36	Normal Distribution	Standard Normal distribution problems	25-07-2023	4	1	Lecture	Participative Learning
37	Normal Distribution	Quartile deviation of ND	26-07-2023	2	1	Lecture	Participative Learning
38	Normal Distribution	Problems	27-07-2023	4	1	Lecture	Participative Learning
39	Normal Distribution	Problems	28-07-2023	1	1	Lecture	Participative Learning
40	Test Paper	Test Paper	31-07-2023	2	1	Lecture	Participative Learning
41	Beta Distributions distributions	Beta Distributions distributions	01-08-2023	4	1	Lecture	Participative Learning
42	Cauchy Distribution	Cauchy Distribution	02-08-2023	2	1	Lecture	Participative Learning
43	Lognormal distribution	Lognormal distribution	03-08-2023	4	1	Lecture	Participative Learning
44	Pareto Distribution	Pareto Distribution	04-08-2023	1	1	Lecture	Participative Learning
45	Standard Normal Distribution	Standard Normal Distribution	07-08-2023	2	1	Lecture	Participative Learning
46	Standard Normal Distribution	Participative Learning	08-08-2023	4	1	Lecture	Participative Learning
47	Standard Normal Distribution	Participative Learning	09-08-2023	2	1	Lecture	Participative Learning
48	Normal Distribution	Importance of Normal Distribution	10-08-2023	4	2	Lecture	Participative Learning
49	Seminar	Seminar	11-08-2023	1	1	Lecture	Participative Learning
50	Chebyshev's inequality	Chebyshev's inequality	14-08-2023	2	2	Lecture	Participative Learning
51	Independence Day	Independence Day	15-08-2023	4	2	Lecture	Participative Learning
52	Sequence of random variables, parameter and Statistic	Sequence of random variables, parameter and Statistic	16-08-2023	2	2	Lecture	Participative Learning

53	Parameter and Statistic	Parameter and Statistic	17-08-2023	4	2	Lecture	Participative Learning
54	Sample mean and variance	Sample mean and variance	18-08-2023	1	2	Lecture	Participative Learning
55	Convergence in probability and distributions	Convergence in probability and distributions	21-08-2023	2	2	Lecture	Participative Learning
56	Weak law of large numbers	Weak law of large numbers	22-08-2023	4	2	Lecture	Participative Learning
57	Bernoulli law of large numbers	Bernoulli law of large numbers	23-08-2023	2	2	Lecture	Participative Learning
58	Central limit theorem	Central limit theorem	24-08-2023	4	2	Lecture	Participative Learning
59	Onam Holidays Begins	Onam Holidays Begins	25-08-2023	1	2	Lecture	Participative Learning
60	Sampling distributions: Statistic, Standard error	Sampling distributions: Statistic, Standard error	04-09-2023	2	4	Lecture	Participative Learning
61	Sampling from normal distribution, distribution of sample mean	Sampling from normal distribution, distribution of sample mean	05-09-2023	4	3	Lecture	Participative Learning
62	Sreekrishna Jayanthi	Sreekrishna Jayanthi	06-09-2023	2	4	Lecture	Participative Learning
63	Chi-square distribution	Definition, Derivation of Chisquare distribution	07-09-2023	4	4	Lecture	Participative Learning
64	Chi-square distribution	Mean, Variance, mgf	08-09-2023	1	4	Lecture	Participative Learning
65	Chi-square distribution	Revision (Module 1), Additive Property, Inter-relations	11-09-2023	2	4	Lecture	Participative Learning
66	Mode of Chi square distribution	Mode of Chi square distribution	12-09-2023	4	4	Lecture	Participative Learning
67	Chi square distribution	Liming Case, Problems	13-09-2023	2	4	Lecture	Participative Learning
68	Chi-square distribution	Skewness, Kurtosis, Table of Chi Square Distribution	14-09-2023	4	4	Lecture	Participative Learning

69	t- distribution	Definition, derivation of t-distribution	15-09-2023	1	4	Lecture	Participative Learning
70	t distribution	odd and even order moments	16-09-2023	2	4	Lecture	Participative Learning
71	t- distribution	Mean, Variance	18-09-2023	2	4	Lecture	Participative Learning
72	t- distribution	Moments	19-09-2023	4	4	Lecture	Participative Learning
73	t- distribution	Limiting Case	20-09-2023	2	4	Lecture	Participative Learning
74	F distribution	Definition, derivations	21-09-2023	4	4	Lecture	Participative Learning
75	F distribution	Relationships	22-09-2023	1	4	Lecture	Participative Learning
76	Sampling methods	Sampling methods, Seminar	25-09-2023	2	3	Lecture	Participative Learning
77	Simple random sampling	SRS with and without replacement, Seminar	26-09-2023	4	3	Lecture	Participative Learning
78	Systematic sampling	Systematic sampling, Seminar	27-09-2023	2	3	Lecture	Participative Learning
79	Stratified sampling	Stratified sampling, Seminar	28-09-2023	4	3	Lecture	Participative Learning
80	Cluster sampling	Cluster sampling, Seminar	29-09-2023	1	3	Lecture	Participative Learning

Signature of Faculty   **Signature of HOD**   **Signature of Principal**

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Department:GEOLOGY   Batch:BSC GEO 2022   Semester:S6
Handling faculty:- Sr. Mariyamma K D
Subject Planner Report (Actual) Of CC19USTA3C03 Probability Distributions and Sampling Theory

Sl.No	Topic Name	Date	Hour	Module	Teaching Pedagogy	Portion Status	Subject Strength	Students Attended
1	Introduction	05-06-23	2	1	Participative Learning	Fully covered	33	29
2	Uniform Distribution	06-06-23	4	1	Participative Learning	Fully covered	33	27
3	Bernoulli Distribution	09-06-23	1	1	Participative Learning	Fully covered	33	28
4	Bernoulli Distribution	12-06-23	2	1	Participative Learning	Fully covered	33	22
5	Binomial Distribution	12-06-23	2	1	Participative Learning	Fully covered	33	22
6	Binomial Distribution	13-06-23	4	1	Participative Learning	Fully covered	33	27
7	Binomial Distribution	13-06-23	4	1	Participative Learning	Fully covered	33	27
8	Binomial Distribution	14-06-23	2	1	Participative Learning	Fully covered	33	28
9	Binomial Distribution	15-06-23	4	1	Participative Learning	Fully covered	33	23
10	Poisson Distribution	19-06-23	2	1	Participative Learning	Fully covered	33	26
11	Poisson Distribution	20-06-23	4	1		Fully covered	33	28
12	Poisson Distribution	21-06-23	2	1	Participative Learning	Fully covered	33	15
13	Poisson Distribution	23-06-23	1	1	Participative Learning	Fully covered	33	28
14	Poisson Distribution	23-06-23	1	1	Participative Learning	Fully covered	33	28
15	Geometric Distribution	04-07-23	4	1	Participative Learning	Fully covered	33	26
16	Geometric Distribution	07-07-23	1	1	Participative Learning	Fully covered	33	27
17	Geometric Distribution	10-07-23	2	1	Participative Learning	Fully covered	33	27
18	Negative Binomial Distribution	11-07-23	4	1	Participative Learning	Fully covered	33	21
19	Uniform Distribution-Continuous	12-07-23	2	1	Participative Learning	Fully covered	33	26
20	Uniform Distribution-	13-07-23	4	1	Participative Learning	Fully covered	33	26

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Sl.No	Topic Name	Date	Hour	Module	Teaching Pedagogy	Portion Status	Subject Strength	Students Attended
	Continuous							
21	Exponential Distribution	14-07-23	1	1	Participative Learning	Fully covered	33	27
22	Normal Distribution	14-07-23	1	1	Participative Learning	Fully covered	33	27
23	Normal Distribution	17-07-23	2	1	Participative Learning	Fully covered	33	0
24	Normal Distribution	18-07-23	4	1	Participative Learning	Fully covered	33	0
25	Exponential Distribution	19-07-23	2	1	Participative Learning	Fully covered	33	29
26	Normal Distribution	19-07-23	2	1	Participative Learning	Fully covered	33	29
27	Exponential Distribution	20-07-23	4	1	Participative Learning	Fully covered	33	29
28	Normal Distribution	20-07-23	4	1	Participative Learning	Fully covered	33	29
29	Normal Distribution	21-07-23	1	1	Participative Learning	Fully covered	33	28
30	Normal Distribution	21-07-23	1	1	Participative Learning	Fully covered	33	28
31	Normal Distribution	24-07-23	2	1	Participative Learning	Fully covered	33	0
32	Exponential Distribution	25-07-23	4	1	Participative Learning	Fully covered	33	29
33	Exponential Distribution	25-07-23	4	1	Participative Learning	Fully covered	33	29
34	Normal Distribution	25-07-23	4	1	Participative Learning	Fully covered	33	29
35	Normal Distribution	26-07-23	2	1	Participative Learning	Fully covered	33	28
36	Normal Distribution	26-07-23	2	1	Participative Learning	Fully covered	33	28
37	Normal Distribution	27-07-23	4	1	Participative Learning	Fully covered	33	21
38	Normal Distribution	27-07-23	4	1	Participative Learning	Fully covered	33	21
39	Normal Distribution	28-07-23	1	1	Participative Learning	Fully covered	33	0
40	Lognormal, Beta distributions	31-07-23	2	1	Participative Learning	Fully covered	33	0

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Sl.No	Topic Name	Date	Hour	Module	Teaching Pedagogy	Portion Status	Subject Strength	Students Attended
41	Normal Distribution	01-08-23	4	1	Participative Learning	Fully covered	33	28
42	Beta Distributions	01-08-23	4	4	Participative Learning	Fully covered	33	28
43	Lognormal distribution	03-08-23	4	1	Participative Learning	Fully covered	33	27
44	Pareto Distribution	04-08-23	1	1	Participative Learning	Fully covered	33	28
45	Standard Normal Distribution	07-08-23	2	1	Participative Learning	Fully covered	33	26
46	Standard Normal Distribution	08-08-23	4	1	Participative Learning	Fully covered	33	22
47	Standard Normal Distribution	09-08-23	2	1	Participative Learning	Fully covered	33	22
48	Normal Distribution	10-08-23	4	2	Participative Learning	Fully covered	33	28
49	Seminar	11-08-23	1	1	Participative Learning	Fully covered	33	0
50	Cauchy Distribution	14-08-23	2	1	Participative Learning	Fully covered	33	20
51	Beta Distributions	14-08-23	2	2	Participative Learning	Fully covered	33	20
52	Independence Day	15-08-23	4	2	Participative Learning	Fully covered	33	0
53	Sequence of random variables	16-08-23	2	2		Fully covered	33	26
54	Sequence of random variables, parameter and Statistic	16-08-23	2	2	Participative Learning	Fully covered	33	26
55	Parameter and Statistic	17-08-23	4	2	Participative Learning	Fully covered	33	31
56	Sample mean and variance	18-08-23	1	2	Participative Learning	Fully covered	33	25
57	Convergence in probability and distributions	21-08-23	2	2	Participative Learning	Fully covered	33	25

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Sl.No	Topic Name	Date	Hour	Module	Teaching Pedagogy	Portion Status	Subject Strength	Students Attended
58	Weak law of large numbers	21-08-23	2	2	Participative Learning	Fully covered	33	25
59	Bernoulli law of large numbers	22-08-23	4	2	Participative Learning	Fully covered	33	29
60	Central limit theorem	23-08-23	2	2	Participative Learning	Fully covered	33	29
61	Onam Holidays Begins	25-08-23	1	2	Participative Learning	Fully covered	33	0
62	Sampling distributions: Statistic, Standard error	04-09-23	2	4	Participative Learning	Fully covered	33	24
63	Sampling from normal distribution, distribution of sample mean	05-09-23	4	3	Participative Learning	Fully covered	33	28
64	Sreekrishna Jayanthi	06-09-23	2	4	Participative Learning	Fully covered	33	0
65	Chi-square distribution	07-09-23	4	4	Participative Learning	Fully covered	33	29
66	Chi-square distribution	08-09-23	1	4	Participative Learning	Fully covered	33	25
67	Chi-square distribution	11-09-23	2	4	Participative Learning	Fully covered	33	27
68	Mode of Chi square distribution	12-09-23	4	4	Participative Learning	Fully covered	33	31
69	Chi square distribution	13-09-23	2	4	Participative Learning	Fully covered	33	26
70	Chi-square distribution	14-09-23	4	4	Participative Learning	Fully covered	33	26
71	t- distribution	15-09-23	1	4	Participative Learning	Fully covered	33	23
72	t distribution	16-09-23	2	4	Participative Learning	Fully covered	33	0
73	t- distribution	18-09-23	2	4	Participative Learning	Fully covered	33	29
74	t- distribution	19-09-23	4	4	Participative Learning	Fully covered	33	30

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Sl.No	Topic Name	Date	Hour	Module	Teaching Pedagogy	Portion Status	Subject Strength	Students Attended
75	t- distribution	20-09-23	2	4	Participative Learning	Fully covered	33	14
76	F distribution	21-09-23	4	4	Participative Learning	Fully covered	33	25
77	F distribution	22-09-23	1	4	Participative Learning	Fully covered	33	0
78	Sampling methods	25-09-23	2	3	Participative Learning	Fully covered	33	19
79	Simple random sampling	26-09-23	4	3	Participative Learning	Fully covered	33	0
80	Systematic sampling	27-09-23	2	3	Participative Learning	Fully covered	33	19
81	Stratified sampling	28-09-23	4	3	Participative Learning	Fully covered	33	0
82	Cluster sampling	29-09-23	1	3	Participative Learning	Fully covered	33	18

Signature of HOD   **Signature of Principal**