Curriculum Plan (ODD SEM 2021): B.A.(P) III Year (Semester V)
DSE-1 (i): Statistics

<table>
<tr><td rowspan="6"><u>Teacher Profile</u>

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Email : harikishan@kalindi.du.ac.in</td><td rowspan="6"></td><td rowspan="2">Marks Distribution</td><td>Theory</td><td>75 Marks</td></tr>
<tr><td>Internal Assessment</td><td>25 Marks</td></tr>
<tr><td></td><td></td><td>Assignments -10 Marks</td></tr>
<tr><td></td><td></td><td>Test - 10 Marks</td></tr>
<tr><td rowspan="2">Classes Assigned</td><td>Attendance - 5 Marks
Lectures</td><td>3 per week</td></tr>
<tr><td>Tutorial</td><td>1 per week</td></tr>
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| Reference | | 1. Devore, Jay L., & Berk, Kenneth N. (2007). Modern Mathematical Statistics with Applications. Thomson Brooks/Cole.
 2. Miller, Irvin & Miller, Marylees (2006). John E. Freund's: Mathematical Statistics with Applications (7th ed.). Pearson Education, Asia. | |

	Week	Topics	
	1st week (20-24 JULY)	Discrete distribution: Binomial distribution and its m.g.f.,	
	2nd week (26-31 JULY)	Discrete distribution: Poisson and its m.g.f. Geometric distribution	
	3rd week (2-7 AUG)	Continuous distribution: Normal and its m.g.f.	
	4th week (9-14 AUG)	Exponential distribution and its "memoryless" property	
	5th week (16-21 AUG)	Bivariate distribution,	
	6th week (23-28 AUG)	marginal distribution,	
	7th week (30 AUG- 4 SEP)	Covariance	
	8th week (6-11 SEP)	Correlation and regression. Conditional distribution	
	9th week (13-18 SEP)	Weak law of large numbers	
	10th week. (20-25 SEP)	Central limit theorem for independent and identically distributed random variables.	
	11th week (27 SEP-2 OCT)	Chi-square distribution,	
	12th week (4-9 OCT)	t- distribution and F- distribution.	
	13th week (18-23 OCT)	Test of hypotheses based on a single sample.	
	14th week (25-30 OCT)	Test of hypotheses based on a single sample.	

1-15TH NOV (15TH and 16TH Week)- REVISION.