

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE):

NAME OF THE COLLEGE: Mrs.A.V.N. COLLEGE

Name of the Department: STATISTICS

Name of the Lecturer:

Lecturer in


Class: 3 YEAR BSC-  
V-SEM

Year: 2022-2023

Paper: 6A(OPERATION RESEARCH - I)

Sno	Month	Week	Hours available	Syllabus topic	Additional Input/ Value Addition Provided /taught	Curricular Activity				Co-curricular Activity				Remarks
						Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	Activity Conducted	Hours allotted	Whether conducted	If not, alternate date	
1	J U N E	1 week	5	INTRODUCTION OF OR- ORIGIN AND DEVELOPMENT OF OR- NATURE AND FEATURES OF OR – SCIENTIFIC METHOD IN OR - MODELLING IN OR- ADVANTAGES AND LIMITATIONS OF MODELS- GENERAL SOLUTION METHODS OF OR MODELS.	BASIC CONCEPT	POWER POINT PRESENTATION	1	YES		ASSIGNMENT	1	YES		
2		2 week	5	APPLICATIONS OF OPERATION RESEARCH. LINEAR PROGRAMMING PROBLEM (LPP)- MATHEMATICAL FORMULATION OF THE PROBLEM- ILLUSTRATIONS ON MATHEMATICAL FORMULATION OF LINEAR PROGRAMMING OF PROBLEM.	THEOREM EXPLANATION					SEMINAR	1	YES		
3		3 week	5	GRAPHICAL SOLUTION OF LINEAR PROGRAMMING PROBLEMS. SOME EXCEPTIONAL CASES- ALTERNATIVE SOLUTIONS, UNBOUNDED SOLUTIONS, NON- EXISTING FEASIBLE SOLUTIONS BY GRAPHICAL METHOD.	PROBLEMS SOLVING	PROVING THE THEOREMS	1	YES		QUIZ	1	YES		
4		4 week	5	GENERAL LINEAR PROGRAMMING PROBLEM(GLP) – DEFINITION AND MATRIX FORM OF GLP PROBLEM, SLACK VARIABLE, SURPLUS VARIABLE, UNRESTRICTED VARIABLE, STANDARD FORM OF LPP AND CANONICAL FORM OF LPP.	CONCEPT AND PROBLEM -S EXPLANATION					SEMINAR	1	YES		

  
Signature of the Lecturer

  
Signature of the Principal  
PRINCIPAL  
Mrs. A.V.N. COLLEGE  
VISA KHAPATNAM

COMMISSIONERATE OF COLLEGIATE EDUCATION, A.P.,

PROFORMA FOR ANNUAL CURRICULAR PLAN (LECTURER WISE):

NAME OF THE COLLEGE: Mrs. AVN DEGREE COLLEGE, VISAKHAPATNAM

Name of the Department: STATISTICS

Name of the Lecturer:

, Lecturer in :

Class: 3<sup>RD</sup> YEAR  
BSC-V-SEM

Year:

Paper : 6A ( OPERATIONS RESEARCH – 1)

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1	AUGUST	1 week	5	ALTERNATIVE SOLUTION, UNBOUNDED SOLUTION, NON EXISTING FEASIBLE SOLUTION AND SOLUTION OF SIMULTANEOUS EQUATIONS BY SIMPLEX METHOD.	BASIC CONCEPT	POWER POINT PRESENTATION	1	YES		ASSIGNMENT	1	YES		
2		2 week	5	DUALITY IN LINEAR PROGRAMMING- CONCEPT OF DUALITY - DEFINITION OF PRIMAL AND DUAL PROBLEMS	THEOREM EXPLANATION					SEMINAR	1	YES		
3		3 week	5	GENERAL RULES FOR CONVERTING ANY PRIMAL INTO ITS DUAL. . ECONOMIC INTERPRETATION OF DUALITY	PROBLEMS SOLVING	EXPLANATION PROBLEMS	1	YES		QUIZ	1	YES		
4		4 week	5	RELATION BETWEEN THE SOLUTION OF PRIMAL AND DUAL PROBLEM(STATEMENTS ONLY). USING DUALITY TO SOLVE PRIMAL PROBLEM. DUAL SIMPLEX METHOD.	CONCEPT AND PROBLEM-S EXPLANATION					SEMINAR	1	YES		

Signature of the Lecturer

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PRINCIPAL

Mrs. A.V.N. COLLEGE  
VISAKHAPATNAM

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1	S E P T E M B E R	1 week	5	POST OPTIMAL ANALYSIS.	BASIC CONCEPT	POWER POINT PRESENTATION	1	YES		ASSIGNMENT	1	YES	
2		2 week	5	CHANGES IN COST VECTOR C, CHANGES IN THE REQUIREMENT.	THEOREM EXPLANATION					SEMINAR	1	YES	
3		3 week	5	VECTOR BAND CHANGES IN THE COEFFICIENT MATRIX A. STRUCTURAL CHANGES IN A LPP.	PROBLEMS SOLVING					QUIZ	1	YES	
4		4 week											

  
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