

**A.S.D. GOVERNMENT DEGREE COLLEGE FOR WOMEN(A),
KAKINADA**

DEPARTMENT OF COMPUTER SCIENCE

B.Sc. Computer Science

ACADEMIC YEAR - 2021-22

LIST OF COURSES OFFERED

Semester	Paper	Subject	Hrs.	Credits	IA	ES	Total
FIRST YEAR							
SEMESTER I	I	Problem Solving in C	4	3	25	75	100
		Problem Solving in C lab	2	2	0	50	50
SEMESTER II	II	Data Structures using C	4	3	25	75	100
		Data Structures using C Lab	2	2	0	50	50
SECOND YEAR							
SEMESTER III	III	Database Management System	4	3	25	75	100
		Database Management System Lab	2	2	0	50	50
SEMESTER IV	IV	Object Oriented Programming through Java					
		Object Oriented Programming through Java Lab					
	V	Operating Systems	4	3	25	75	100
		Operating Systems Lab using C/Java	2	2	0	50	50
THIRD YEAR							
SEMESTER V	V	DBMS	3	3	25	75	100
		DBMS Lab	2	2	0	50	50
	VI	Software Engineering	3	3	25	75	100
		Software Engineering Lab	2	2	0	50	50

Semester	Paper	Subject	Hrs.	Credits	IA	ES	Total	
SEMESTER VI	VII (A/B/C)	A. Operating Systems	3	3	25	75	100	
		Operating Systems Lab	3	2	0	50	50	
		B. Computer Networks	3	3	25	75	100	
		Computer Networks Lab	3	2	0	50	50	
		C. Web Technologies	3	3	25	75	100	
		Web Technologies Lab	3	2	0	50	50	
	VIII Cluster A – A1,A2 OR Cluster B – B1,B2 OR Cluster C – C1,C2	Elective-II(Cluster A)						
		A1. Foundations of Data Science	3	3	25	75	100	
		Foundations of Data Science Lab (through R)	3	2	0	50	50	
		A2. Big Data Technology	3	3	25	75	100	
		Big Data Technology Lab (Hadoop)	3	2	0	50	50	
		Elective-II(Cluster B)						
		B1. Distributed Systems	3	3	25	75	100	
		Distributed Systems Lab	3	2	0	50	50	
		B2. Cloud Computing	3	3	25	75	100	
		Cloud Computing Lab	3	2	0	50	50	
		Elective-II(Cluster C)						
		C1. PHP – MySql & Wordpress	3	3	25	75	100	
		PHP – MySql & Wordpress	3	2	0	50	50	
		C2. Advanced JavaScript : JQuery, Ajax, Angular JS & JSON	3	3	25	75	100	
		Advanced JavaScript Lab	3	2	0	50	50	
			Project	5	5	25	75	100