

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

**DEPARTMENT OF COMPUTER SCIENCE**

**B.Sc. Computer Science**

**ACADEMIC YEAR - 2019-20**

**LIST OF COURSES OFFERED**

Semester	Paper	Subject	Hrs.	Credits	IA	ES	Total
<b>FIRST YEAR</b>							
<b>SEMESTER I</b>	I	Computer Fundamentals and Photoshop	4	3	25	75	100
		Photo Shop Lab	2	2	0	50	50
<b>SEMESTER II</b>	II	Programming in C	4	3	25	75	100
		Programming in C Lab	2	2	0	50	50
<b>SECOND YEAR</b>							
<b>SEMESTER III</b>	III	Object Oriented Programming Using Java	4	3	25	75	100
		Object Oriented Programming Using Java Lab	2	2	0	50	50
<b>SEMESTER IV</b>	IV	Data Structures	4	3	25	75	100
		Data Structures using Java Lab	2	2	0	50	50
<b>THIRD YEAR</b>							
<b>SEMESTER V</b>	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	<b>Elective-II(Cluster A)</b>						
		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	
		<b>Elective-II(Cluster B)</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	
		<b>Elective-II(Cluster C)</b>						
		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	
			<b>Project</b>	5	5	25	75	100