

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

**DEPARTMENT OF COMPUTER SCIENCE
B.Com. Computer Applications**

ACADEMIC YEAR - 2023-24

LIST OF COURSES OFFERED

Semester	Paper	Subject	Hrs./Week	Credits	IA	ES	Total	
FIRST YEAR								
SEM-I	1	Fundamentals of Commerce	5	4	40	60	100	
	2	Business Organization	5	4	40	60	100	
SEM-II	3	Office Automation Tools	3	3	40	60	100	
		Office Automation Tools Lab	2	1	10	40	50	
SECOND YEAR								
SEM-III	4	Programming using C & C++	3	3	40	60	100	
		Programming using C & C++ Lab	2	1	10	40	50	
SEM-IV	5	Database Management Systems	3	3	40	60	100	
		Database Management Systems Lab	2	1	10	40	50	
THIRD YEAR								
SEM-V	6	Big Data Analytics using R	5	4	25	75	100	
	7	Data Science using Python	5	4	25	75	100	
	OR							
	8	Mobile Application Development	5	4	25	75	100	
	9	Cyber Security and Malware Analysis	5	4	25	75	100	
	OR							
	10	Multimedia Tools and Applications	5	4	25	75	100	
	11	Digital Imaging	5	4	25	75	100	
	OR							
	12	E-Commerce Application Development	5	4	25	75	100	
	13	Real Time Governance System	5	4	25	75	100	
	SEM-VI	Apprenticeship/Internship						