

Swaraj College of Commerce And Computer Studies

Bachelor of Science – CS

Details of Course:

- College offers following subjects:

First Year BSC CS		
SEMISTER I		
Sr. No.	Subject Code	Subject Name
1	CS-101-T	Problem Solving using 'C' Programming
2	CS-102-P	Lab Course based on CS-101-T
3	MTC-101-T	Matrix Algebra
4	MTC-102-P	Mathematics Practical I
5	ELC-101-T	Principles of Analog Electronics
6	ELC-102-P	Electronics Practical Course I
7	IKS-100-T	Generic IKS
8	OE-104-CS-T	Fundamentals of Computers I
9	SEC-101-CS	Statistical Methods for Computer Science I
10	AEC-101-ENG	English
11	VEC-101-ENV	EVS-I

Swaraj College of Commerce And Computer Studies

First Year BSC CS		
SEMISTER II		
Sr. No.	Subject Code	Subject Name
1	CS-151-T	Advanced C Programming
2	CS-152-P	Lab Course Based on CS-151-T
3	MTC-151-T	Graph Theory
4	MTC-152-P	Mathematics Practical II
5	ELC-151-T	Principles of Digital Electronics
6	ELC-152-P	Electronics Practical Course II
7	SEC-151-CS-P	Statistical Methods for Computer Science II
8	AEC-151-ENG	English
9	VEC-151-ENV	EVS-II
10	CC-151-T	From University Basket

Swaraj College of Commerce And Computer Studies

Second Year BSC CS		
SEMISTER III		
Sr. No.	Subject Code	Subject Name
1	CS-201-MJ-T	Data Structure -I
2	CS-203-MJ-P	Database Management System I
3	CS-203-MJ-P	Lab Course based on CS-201-MJ-T & CS-202-MJ-T
4	CS-221-VSC-T	Software Engineering
5	IKS-200-T	Computations in Ancient India
6	CS-231-FP	Mini Project
7	CS-241-MN-T	Mathematics or Electronics
8	CS-242-MN-P	Mathematics or Electronics
9	AEC-201-T	From University Basket
10	CC-201-T	From University Basket
SEMISTER IV		
Sr. No.	Subject Code	Subject Name
1	CS-251-MJ-T	Data Structure - II
2	CS-252-MJ-T	Database Management System II
3	CS-253-MJ-P	Lab Course based on CS-251-MJ-T & CS-252-MJ-T
4	CS-221-VSC-P	Advanced Python Programming
5	CS-281-FP	Mini Project
6	CS-291-MN-T	Mathematics or Electronics
7	CS-292-MN-P	Mathematics or Electronics
8	SEC-251-CS-P / SEC-252-CS-P	Computer Networks / Statistical Analysis using R Software
9	AEC251	From University Basket
10	CC-251-T	From University Basket

Swaraj College of Commerce And Computer Studies

Third Year BSC CS		
SEMISTER V		
Sr. No.	Subject Code	Subject Name
1	CS-301-MJ-T	Core Java
2	CS-302-MJ-T	Operating Systems
3	CS-303-MJ-T	Web Technology-I
4	CS-304-MJ-T	Theory of Computer Science
5	CS-305-MJ-P	Lab Course based on CS-302-MJ-T
6	CS-306-MJ-P	Lab Course based on CS-301-MJ-T & CS-303-MJ-T
Elective		
7	CS-307-MJ-T	Data Science
8	CS-308-MJ-P	Lab Course based on CS-307-MJ-T
OR		
7	CS-309-MJ-T	Database Technologies
8	CS-3010-MJ-P	Lab Course on CS-309-MJ-T
OR		
7	CS-3011-MJ-T	Embedded Systems
8	CS-3012-MJ-P	Lab Course on CS-3011-MJ-T
9	CS-321-VSCP	Advanced Python Programming
10	CS-331-FP	Project
11	CS-341-MN-T	Mathematics or Electronics

Swaraj College of Commerce And Computer Studies

Third Year BSC CS		
SEMISTER VI		
Sr. No.	Subject Code	Subject Name
1	CS-351-MJ-T	Advanced Java
2	CS-352-MJ-T	Design Framework
3	CS-353-MJ-T	Web Technology-II
4	CS-354-MJ-T	Compiler Construction
5	CS-355-MJ-P	Lab Course based on CS-352-MJ-T
6	CS-356-MJ-P	Lab Course based on CS-351-MJ-T & CS-353-MJ-T
Elective		
7	CS-357-MJ-T	Android Programming
8	CS-358-MJ-P	Lab Course based on CS-357-MJ-T
OR		
7	CS-359-MJ-T	Software Testing Tools
8	CS-3510-MJ-P	Lab Course based on CS-359-MJ-T
OR		
7	CS-3511-MJ-T	Internet of Things
8	CS-3512-MJ-P	Lab Course based on CS-3511-MJ-T
9	CS-321-VSC-P	Agile Processes
10	CS-381-OJT	OJT