

Bachelor of Science Computer Applications B.Sc. (CA)

The Programme - B.Sc. Computer Applications - aims to provide strong knowledge of computer fundamentals, programming basics, logical and numerical methods, networking and internet, database and applications packages.

Course Objectives

- To disseminate the advance knowledge in Information Technology.
- To develop core competencies in Computer Applications.
- To create efficient professionals in IT industries.

Eligibility : 12th passed with minimum 55% marks or its equivalent.

Duration : 3 years (Six Semesters)

Student Intake : 60

Fee Structure for the academic year 2024-25 :

B.Sc. (Computer Applications) (Pune) (750)

	First Year	Second Year	Third Year	Honours	Direct Second Year
Eligibility	1000	-	-	-	1000
Admission	2000	2000	2000	2000	2000
Tuition	30000	35000	39000	42000	35000
Lab / Practical	15500	15500	15500	15500	15500
Library	500	500	500	500	500
Examination	3000	3000	3000	3000	3000
Total	52000	56000	60000	63000	57000

Library Deposit 2000/-

Caution Deposit 5000/-

Programme Details



- Opportunities at exit point** :
- 1) In IT as a Software Professional
 - 2) Software / Hardware / Technical Support in Multi-National Companies
 - 3) Can run own Business for Hardware/Technical support
 - 4) In Teaching Field
 - 5) As Web Designer / Developer
 - 6) Software Testing
 - 7) Higher Education - MCA / MSC / MBA / Other PG Qualification

COURSE STRUCTURE

Semester - I

Subject Code	Name of Subject	Category of Subject	Total Credits	Ext. Marks	Int. Marks	Total Marks	Credits	
							TH	PR
BSC24-101	C Programming	Core	3	60	40	100	3	-
BSC24-102	Mathematics	Core	4	60	40	100	4	-
BSC24-103	Computer & Network Fundamentals	Interdisciplinary	3	60	40	100	3	-
BSC24-104	Operating System	DSC	3	60	40	100	3	-
BSC24-105 OR BSC24-106	English OR Sanskrit	AECC	2	30	20	50	2	-
VAC105 OR VAC109	Nitishataka Purvardha (Marathi) OR Gender Perspectives	Open Elective	2	-	50	50	2	-
BSC24-107	Logic Development	Dsc	2	-	50	50	2	-
BSC24-108	C Programing (PR)	Core-Lab	1	30	20	50	-	1
			20			600		

Semester - II

Subject Code	Name of Subject	Category of Subject	Total Credits	Ext. Marks	Int. Marks	Total Marks	Credits	
							TH	PR
BSC24-201	Object Oriented Programming using C++	Core	3	60	40	100	3	-
BSC24-202	Statistics	Core	4	60	40	100	4	-
BSC24-203	Structured System Analysis and Design	DSC	3	60	40	100	3	-
BSC24-204	Principles and Practices of Management - I	Multidisciplinary	3	60	40	100	3	-
BSC24-205	Communication Skills	AECC	2	30	20	50	2	-
BSC24-206 OR VAC207 OR VAC211	Yoga OR Nitishataka Uttaradhar (Marathi) OR Moral Values	Open elective	2	-	50	50	2	-
IKS24	IKS Indian knowledge System	IKS	2	-	50	50	2	-
BSC24-207	Object Oriented Programming using C++ (PR)	Core-Lab	1	30	20	50	-	1
			20			600		

Programme Details



Semester - III

Subject Code	Name of Subject	Category of Subject	Total Credits	Ext. Marks	Int. Marks	Total Marks	Credits	
							TH	PR
BSC24-301	Advanced Web Designing	Core	3	60	40	100	3	-
BSC24-302	Database Management System (DBMS)	Core	3	60	40	100	3	-
BSC24-303	Environmental Studies	Value Added Course	4	60	40	100	4	-
BSC24-304	Principles and Practices of Management - II	Multidisciplinary	3	60	40	100	3	-
BSC24-305 OR BSC24-306	Marathi OR Japanese	AECC	2	30	20	50	2	-
SEC-301	Advanced Excel	Skill Enhancement Course	2	-	50	50	2	-
BSC24-307	Introduction to IoT	DSC	2	-	50	50	2	-
BSC24-308	Advanced Web Designing (PR)	Core-Lab	1	30	20	50	-	1
			20			600		

Semester - IV

Subject Code	Name of Subject	Category of Subject	Total Credits	Ext. Marks	Int. Marks	Total Marks	Credits	
							TH	PR
BSC24-401	Advanced Database Management System	Core	3	60	40	100	3	-
BSC24-402	Java Programming	Core	3	60	40	100	3	-
BSC24-403	Software Testing & Quality Assurance	DSC	3	60	40	100	3	-
BSC24-404	Unified Modeling Language (UML)	DSC	3	60	40	100	3	-
BSC24-405	Content Writing	Skill Enhancement Course	2	30	20	50	2	-
BSC24-406 OR VAC403	Soft Skill OR Personality Development	Open Elective	2	-	50 50	50	1 2	1 -
VAC408	Fundamentals of Share Trading	Value Added Course	2	-	50	50	2	-
BSC24-407	Java Programming (PR)	Core-LAB	1	30	20	50	-	1
BSC24-408	Advanced Database Management System (PR)	Core-LAB	1	30	20	50	-	1
			20			650		

Programme Details



Semester - V

Subject Code	Name of Subject	Category of Subject	Total Credits	Ext. Marks	Int. Marks	Total Marks	Credits	
							TH	PR
BSC24-501	Python Programming	Core	3	60	40	100	3	-
BSC24-502	Linux	Core	3	60	40	100	3	-
BSC24-503	C# Basics	DSC	2	-	50	50	2	-
BSC24-504	E-Commerce	Interdisciplinary	3	60	40	100	3	-
BSC24-505	Data Mining	DSC	2	-	50	50	2	-
BSC24-506	Business Applications	Interdisciplinary	2	30	20	50	2	-
BSC24-507	Management Information System	Multidisciplinary	3	60	40	100	3	-
BSC24-508	Python Programming (PR)	Core-LAB	1	30	20	50	-	1
BSC24-509	Linux (PR)	Core-LAB	1	30	20	50	-	1
			20			650		

Semester - VI

Subject Code	Name of Subject	Category of Subject	Total Credits	Ext. Marks	Int. Marks	Total Marks	Credits	
							TH	PR
BSC24-601	Advanced Java	Core	3	60	40	100	3	-
BSC24-602	Android Programming							
BSC24-603	Virtualisation & Cloud Technology	DSC	3	60	40	100	3	-
BSC24-604	Project	Core	4	60	40	100	-	4
BSC24-605	Organizational Behavior	Interdisciplinary	2	30	20	50	2	-
SEC-401	Digital Marketing	Skill Enhancement Course	2	-	50	50	2	-
BSC24-606	Internship	Internship	4	-	100	100	-	4
BSC24-607	Advanced Java (PR)	Core-LAB	1	30	20	50	-	1
BSC24-608	Android Programming (PR)							
BSC24-609	Virtualisation & Cloud Technology (PR)	DSC-LAB	1	30	20	50	-	1
			20			600		