



(Shri Ramkrishna Seva Mandal's)
ANAND COMMERCE COLLEGE
An Autonomous College (2025-26 to 2034-35)
(Affiliated to Sardar Patel University)
NAAC ACCREDITED 'A' GRADE (3.04 CGPA)
ISO 9001:2015



PROGRAMME STRUCTURE (NEP-2020)

BACHELOR OF COMPUTER APPLICATION: IV

Programme Outcomes (PO) -For BCA	Upon successful completion of the BCA Programme, Graduates will be able to: • Apply programming languages, algorithms, and data structures to develop efficient and scalable software applications. • Analyze real-world problems and implement suitable computing solutions using appropriate tools and technologies. • Design interactive web and mobile applications integrating database and user interface considerations to meet user needs and technical specifications. • Evaluate software solutions for performance, reliability, and usability using standard testing and debugging methodologies. • Understand the impact of computer applications in societal, legal, and environmental contexts and apply ethical principles in professional practices. • Remember and articulate fundamental computing concepts, IT terminologies, and basic mathematical logic that form the foundation of computer science education.
Programme Specific Outcomes (PSO) –For BCA	• To design, develop, test, and maintain software applications using modern programming languages, tools, and technologies to meet user needs and industry standards. • To apply knowledge of web development, mobile application frameworks, and database systems to build responsive and user-friendly applications. • To use structured and unstructured data handling techniques, apply basic statistical and analytical tools, and implement data-driven solutions for business and real-life problems. • To demonstrate the ability to configure, manage, and troubleshoot computer systems and networks, ensuring security, efficiency, and reliability. • To develop ethical values, communication skills, teamwork, and an entrepreneurial mindset to work in professional environments or start IT ventures.



ANAND COMMERCE COLLEGE (AUTONOMOUS) (GRANT IN AID) – ANAND

(Reaccredited with 'A' Grade (CGPA 3.04) by NAAC)

AFFILIATED TO SARDAR PATEL UNNIVERSITY

BCA PROGRAMME STRUCTURE BASED ON UGC GUIDELINES & NEP-2020

WITH EFFECT FROM (AY-2026-27)

SYBCA (SEM-IV)

Sr. No.	Course Type	Course Code	Course Title	Credit	Hrs.	T/ P	Exam Durati on	Components of Marks		
								Internal	External	Total
1	Major Courses	UCA04MABCA01	Object-Oriented Programming using Java	4	4	T	2:30	50	50	100
		UCA04MABCA02	Operating System	4	4	T	2:30	50	50	100
		UCA04MABCA03	Practical Based on OOP and OS	4	8	P	2:30	50	50	100
2	Minor Course	UCA04MIBCA04	Server-Side Web Programming Using PHP	2	2	T	1:30	25	25	50
		UCA04MIBCA05	Practical Based on PHP	2	4	P	1:30	25	25	50
3	Ability Enhancement Course (AEC)	UCA04AEBCA06	Software Project Management and System Design Skills	2	2	T	1:30	25	25	50
4	Skill Enhancement Courses (SEC)	UCA04SEBCA07A	Digital Literacy and Social Media Marketing	2	2	T	1:30	25	25	50
		UCA04SEBCA07B	Fundamentals of Entrepreneurship							
		UCA04SEBCA07C	Finance for Everyone							
		UCA04SEBCA07D	Statistical Methods							
		UCA04SEBCA07E	Soft Skills for Business II							
		UCA04SEBCA07F	Information and Cyber Security							
5	Value added course	UCA04VABCA08A	Climate Change and Sustainable Development	2	2	T	1:30	25	25	50
		UCA04VABCA08B	Financial Literacy							
		UCA04VABCA08C	NSS – II							
		UCA04VABCA08D	NCC – II							
	Total Credit 22									

