

Shri Gujarati SevaSamaj's
SMT. C. B. SHAH MAHILA MAHAVIDYALAYA, SANGLI
BCA-II
COURSE OUTCOMES

Program code	Program Name	Part	Semester	Sr. No.	Course code	Course Component	Course Name / Title	After Completion of the course the student will be able to :
059	BCA	II	III	1.	3101	Compulsory Component	Data structures	<ul style="list-style-type: none"> • Helps student to acquire knowledge of Data structure classification and different data structures such as linked list, array, stack , queue. Student gets details information about Tree and Graph. • Enable students to understand about different searching techniques such as binary search, sequential search etc. and sorting techniques such as bubble sort, insertion sort, selection sort, quick sort etc. • Student get aware about file organization
059	BCA	II	III	2.	3102	Compulsory Component	JAVA Programming	<ul style="list-style-type: none"> • Student understands Object Oriented concepts of programming language. • To study Java Features and History, concepts of Constructor and Methods. Student acquires basic programming knowledge of java such as conditional statements, loops, exception handling, applets, networking etc. • Student can able to develop applications in

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								java programming language.
059	BCA	II	III	3.	3103	Compulsory Component	Mathematics II	<ul style="list-style-type: none"> • Student able to understand the roots of non-linear equation, direct solution of linear equation, Numerical integration and curve fitting, different rules such as Simpson Rule, Trapezoidal Rule and their applications.
059	BCA	II	III	4.	3104	Compulsory Component	Computer Organisation & Architecture	<ul style="list-style-type: none"> • Student get acquainted with computer architectures and internal & external memory, parallel processing , algorithms, memory types.
059	BCA	II	III	5.	3201	Compulsory Component Practical	Data structures Lab	<ul style="list-style-type: none"> • Student will able to do programs on implementation of different data structures like stack, queue, linked list, graphs etc. Also different searching algorithm programs can be implemented • by student.
059	BCA	II	III	6.	3202	Compulsory Component Practical	JAVA Programming Lab	<ul style="list-style-type: none"> • Student will able to do programs related to java basic concepts, oops concepts, applets, networking, IO, multithreading etc.
059	BCA	II	IV	1.	4101	Compulsory Component	Python Programming	<ul style="list-style-type: none"> • Student will able to apply the principles of python programming. And Write clear and effective pythoncode. • Student will able to Create applications using python programming and Implementing database usingSQLite.

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059	BCA	II	IV	2.	4102	Compulsory Component	Introduction to Microprocessor	<ul style="list-style-type: none"> • Student gets knowledge of microprocessor and details of growth of microprocessor, 8085 architecture and pin-out diagram, programming in 8085 and detailed information about interrupts, interrupt handling.
059	BCA	II	IV	3.	4103	Compulsory Component	Computer Networks	<ul style="list-style-type: none"> • Student learns fundamental of communication, Analog and Digital Transmission and transmission media like wired and wireless. Helps student to study fundamentals of networking & different network models, different protocols.
059	BCA	II	IV	4.	4104	Compulsory Component	Software Engineering	<ul style="list-style-type: none"> • To study about software engineering tools, applications, process models. Enable student to understand software project planning, scheduling, cost estimation, design techniques, coding, different testing types. Helps student to understand SQA activities, SCM, software documentation and software implementation.
059	BCA	II	IV	5.	4201	Compulsory Component Practical	Python Programming Lab	<ul style="list-style-type: none"> • Student will able to interpret the fundamental Python syntax usePython control flow statements.
059	BCA	II	IV	6.	4202	Compulsory Component Practical	Introduction to Microprocessor Lab	<ul style="list-style-type: none"> • Student can able to write 8085 microprocessor programs like basic arithmetic functions, shifting, swapping for 8 bit and 16 bit.