Shri Gujarati SevaSamaj'sSangliSanchlit

SMT. C. B. SHAH MAHILA MAHAVIDYALAYA, SANGLI

Academic Year : 2022-23									
COURSE OUTCOMES									
Program code	**Program Name**	**Part**	**Semester**	**Sr. No.**	**Subject**	**Course code**	**Course Component**	**Course Name / Title**	COURSE OUTCOMES
059	BCA	II	III	1		3101	Compulsory Component	Introduction to Microprocessor	1. 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	III	2		3102	Compulsory Component	Numerical Methods & Algorithms	1. 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	3		3103	Compulsory Component	Computer Organization & Architecture	1. Student get acquainted with computer architectures and internal & external memory, parallel processing , algorithms, memory types.
059	BCA	II	III	4		3104	Compulsory Component	File Structure & Database Management System	1. Student get in-depth knowledge about database basics. 2. Enable student to acquire knowledge about file system & indexing and Hashing and Query processing and optimization, transaction processing, concurrency control, dbms locks.
059	BCA	II	III	5		3201	Compulsory Component Practical	Microprocessor LAB	1. Student can able to write 8085 microprocessor programs like basic arithmetic functions, shifting, swapping for 8 bit and 16 bit.
059	BCA	II	III	6		3202	Compulsory Component Practical	Database Management System LAB	1. Student can able to write all types of DDL and DML queries on oracle database tables. Student gets knowledge about all types of database joins, nested queries etc.

059	BCA	II	IV	7		4101	Compulsory Component	Data Structure & File Organization	1. 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. 2. 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. 3. Student get aware about file organization.
059	BCA	II	IV	8		4102	Compulsory Component	Information System AnalysisDesign	1. Able to understand introduction to system, types, characteristics, elements. 2. Student acquire knowledge about SDLC and other process models, structured analysis tools. Student understands role of the system analyst in software development. 3. Student gets idea about how requirement gathering is done, feasibility study importance, process and its need. 4. Student will able to design input forms and output reports for a particular system. 5. Student understands about different testing strategies.
059	BCA	II	IV	9		4103	Compulsory	Introduction to Software	1. 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.

							Component	Engineering	
059	BCA	II	IV	10		4104	Compulsory Component	Object Oriented Programming Using	1. Studies OOPs concepts. Student gets knowledge about C++ programming language basics, classes and object. 2. Student acquires knowledge about constructor, destructor, operator overloading, inheritance etc. Helps student to understand file handling, exception handling and templates. 3. Able to write efficient programs in C++.
059	BCA	II	IV	11		4201	Compulsory Component	Data Structure LAB	1. Student will able to do programs on implementation of different data structures like stack, queue, linked list, graphs etc. 2. Also different searching algorithm programs can be implemented by student.

059	BCA	II	IV	12		4202	Compulsory Component Practical	Object Oriented Programming C++	1. Student will able to do C++ programs based on object oriented programming concepts like class, objects, methods, inheritance, polymorphism, overloading etc. Also programs related to file handling, exception handling, templates can be implemented by student.