



“ज्ञान, विज्ञान आणि सुसंस्कार यांसाठी शिक्षण प्रसार”

-शिक्षणमहर्षी डॉ. बापूजी साळुंखे

Shri Swami Vivekanand Shikshan Sanstha, Kolhapur's

Ramkrishna Paramhansa Mahavidyalaya, Osmanabad

(Affiliated to Dr. Babasaheb Ambedkar Marathwada University, Aurangabad)

|| NAAC Reaccredited 'B+' Grade || || DBT-STAR College by Govt. of India ||

|| UGC STATUS: College with Potential for Excellence ||



Course Outcomes

Department of Computer Science

B.Sc. I year (Semester-I)	
Computer Fundamentals(CMP-111)	
CO1	Understand the computer system as well as components, Characteristics & features of computer.
CO2	Learn what is flow chart and algorithm: its advantages and disadvantages with examples.
CO3	Understand the computer generations and ideas about early computers systems.
CO4	Learn types of programming language.
CO5	The Study of computer memory and its types of memory.
CO6	The Study of computer input and output devices and its types of IO device.
CO7	Understanding the processor and instruction set.
Operating system(CMP-112)	
CO1	Study of Software and its classification.
CO2	Understanding concept of operating system.
CO3	Study of process in operating system and deadlock concepts.
CO4	Understand “How to manage memory in operating system?”
CO5	Study of “How to manage the input and output devices?”
B.Sc. I year (Semester-II)	
Digital Electronics (CMP-211)	
CO1	Identify basics of number systems used in computer science.
CO2	Understand how the basic logic gates operate and are used to build complex computer circuits
CO3	Solve logic problems using K- Maps.
CO4	Learn how combinational and arithmetic logic circuits are constructed.
CO5	Study Flip-Flops and important building block for most sequential circuits.
CO6	Understand the counters with various types.
CO7	Understand shift Registers and its input and Out puts.
C Language(CMP-212)	
CO1	Study of C language structure, history and features.
CO2	Understanding basic elements operator used in C language.
CO3	Study of Data types and its types.

CO4	Understand the control and Iterative statement with Examples.
CO5	Study of Array and its types of arrays.
CO6	Describe Prototypes and its argument passing technique.
B. Sc. II Year (Semester-III)	
Advance C Programming(CMP-312)	
CO1	Learn the concept of function, use of function and its types.
CO2	Understanding concept of structure and union and use.
CO3	Study of pointer, memory allocation and pointer to pointer concept.
CO4	Study of various Data conversion functions in Stdlib.h
CO5	Understanding the macro substitution and conditional compiler directives.
CO6	Understand File, Different file opening modes and to read, write records from file.
CO7	Study of passing argument to main () function and computer Graphics.
Data structures(CMP-311)	
CO1	Learn the concept of Data structure and its types
CO2	Study of Sequential data structure array and types.
CO3	Understand “What is linked list? How to represent memory in Computer?”
CO4	Study of Stack and various operations performed on stack
CO5	Understand queue and various types of queue
B.Sc. II year (Semester-IV)	
Programming in C++(CMP-412)	
CO1	Understanding the concept of Object oriented programming language and its features.
CO2	Study of function in CPP programming language.
CO3	Understand the concept of overloading and its use.
CO4	Study of class and object and defining the class and objects.
CO5	Study of constructor destructor and its types.
CO6	Understanding concept of overloading with its types.
DBMS using SQL(CMP-411)	
CO1	Study of DBMS architecture and its component.
CO2	Understand the Database model and its importance in DBMS.
CO3	Study of entity relationship data model and its attributes.
CO4	Understanding Relational data model and study of various normal forms
CO5	Understand the Relational algebra and its basic operations.
CO6	Introduce the concept of Oracle and understanding its software.
B. Sc. III Year (Semester-V)	
Software Engineering(CSO15)	
CO1	Study of software, software Engineering and software Myths.
CO2	Understand the software process and process models.
CO3	Study of agile model and Extreme programming.
CO4	Understanding the Principles That Guide Practice in creation of software

	Web Designing(CSO16)
CO1	Understand Web designing through HTML and its use.
CO2	Study of various versions of HTML and Understanding HTML5.
CO3	Understanding the JavaScript and its Use.
CO4	Understanding the concept of Object, DOM and Event handling through Javascript.
CO5	Study of how to design the webpage in HTML through CSS.
B. Sc. III Year (Semester-VI)	
	Data Communication and Networking(CSO19)
CO1	Understand Data Communication and Networking components
CO2	Study of Network topology and types of topology.
CO3	Study of Transmission media used in Networking.
CO4	Understanding the concept of modulation and multiplexing.
CO5	Understanding the concept of Mobile Telephone System with its generations.
	Ethics and Cyber Law(CSO20)
CO1	Understand the Scope of cyber law.
CO2	Understand the digital contracts.
CO3	Understand the Cryptography E-Governance, Cybercrime and Cyber Law.
CO4	Understanding Information technology Act 2000 and 2008