

DATE	TIME
Monday, May 26, 2025	6:30 - 7:30 PM
Tuesday, May 27, 2025	6:30 - 7:30 PM
Wednesday, May 28, 2025	6:30 - 7:30 PM
Thursday, May 29, 2025	6:30 - 7:30 PM
Friday, May 30, 2025	6:30 - 7:30 PM
Saturday, May 31, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, June 2, 2025	6:30 - 7:30 PM
Tuesday, June 3, 2025	6:30 - 7:30 PM
Wednesday, June 4, 2025	6:30 - 7:30 PM
Thursday, June 5, 2025	6:30 - 7:30 PM
Friday, June 6, 2025	6:30 - 7:30 PM
Saturday, June 7, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, June 9, 2025	6:30 - 7:30 PM
Tuesday, June 10, 2025	6:30 - 7:30 PM
Wednesday, June 11, 2025	6:30 - 7:30 PM
Thursday, June 12, 2025	6:30 - 7:30 PM
Friday, June 13, 2025	6:30 - 7:30 PM
Saturday, June 14, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, June 16, 2025	6:30 - 7:30 PM
Tuesday, June 17, 2025	6:30 - 7:30 PM
Wednesday, June 18, 2025	6:30 - 7:30 PM
Thursday, June 19, 2025	6:30 - 7:30 PM
Friday, June 20, 2025	6:30 - 7:30 PM
Saturday, June 21, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, June 23, 2025	6:30 - 7:30 PM
Tuesday, June 24, 2025	6:30 - 7:30 PM
Wednesday, June 25, 2025	6:30 - 7:30 PM
Thursday, June 26, 2025	6:30 - 7:30 PM
Friday, June 27, 2025	6:30 - 7:30 PM
Saturday, June 28, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, June 30, 2025	6:30 - 7:30 PM
Tuesday, July 1, 2025	6:30 - 7:30 PM
Wednesday, July 2, 2025	6:30 - 7:30 PM
Thursday, July 3, 2025	6:30 - 7:30 PM
Friday, July 4, 2025	6:30 - 7:30 PM
Saturday, July 5, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, July 7, 2025	6:30 - 7:30 PM
Tuesday, July 8, 2025	6:30 - 7:30 PM
Wednesday, July 9, 2025	6:30 - 7:30 PM

Thursday, July 10, 2025	6:30 - 7:30 PM
Friday, July 11, 2025	6:30 - 7:30 PM
Saturday, July 12, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, July 14, 2025	6:30 - 7:30 PM
Tuesday, July 15, 2025	6:30 - 7:30 PM
Wednesday, July 16, 2025	6:30 - 7:30 PM
Thursday, July 17, 2025	6:30 - 7:30 PM
Friday, July 18, 2025	6:30 - 7:30 PM
Saturday, July 19, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, July 21, 2025	6:30 - 7:30 PM
Tuesday, July 22, 2025	6:30 - 7:30 PM
Wednesday, July 23, 2025	6:30 - 7:30 PM
Thursday, July 24, 2025	6:30 - 7:30 PM
Friday, July 25, 2025	6:30 - 7:30 PM
Saturday, July 26, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, July 28, 2025	6:30 - 7:30 PM
Tuesday, July 29, 2025	6:30 - 7:30 PM
Wednesday, July 30, 2025	6:30 - 7:30 PM
Thursday, July 31, 2025	6:30 - 7:30 PM
Friday, August 1, 2025	6:30 - 7:30 PM
Saturday, August 2, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, August 4, 2025	6:30 - 7:30 PM
Tuesday, August 5, 2025	6:30 - 7:30 PM
Wednesday, August 6, 2025	6:30 - 7:30 PM
Thursday, August 7, 2025	6:30 - 7:30 PM
Friday, August 8, 2025	6:30 - 7:30 PM
Saturday, August 9, 2025	6:30 - 7:30 PM
CLASS OFF	
Monday, August 11, 2025	6:30 - 7:30 PM
Tuesday, August 12, 2025	6:30 - 7:30 PM
Wednesday, August 13, 2025	6:30 - 7:30 PM
Thursday, August 14, 2025	6:30 - 7:30 PM
Friday, August 15, 2025	6:30 - 7:30 PM
Saturday, August 16, 2025	6:30 - 7:30 PM

TOPIC
Number Systems: Binary, Decimal, Octal, Hexadecimal
Conversion Between Number Systems
Conversion Between Number Systems
Logic Gates (AND, OR, NOT, NAND, NOR, XOR, XNOR)
Truth Tables and Basic Gate Implementations
Boolean Algebra Laws and Simplification
CLASS OFF
Canonical Forms: SOP, POS
Karnaugh Maps (K-Map) – 2, 3 variables
Karnaugh Maps – 4 variables
Combinational Circuits: Adders, Subtractors
Multiplexers, Demultiplexers
Encoders, Decoders, Comparators
CLASS OFF
Flip-Flops: SR, D, T, JK
Counters: Asynchronous, Synchronous
Registers: Shift Registers
Introduction to Sets and Relations
Functions, Composition, Inverse
Graph Theory Basics: Types of Graphs
CLASS OFF
Graph Representations: Matrix, List
Trees, Spanning Trees, BFS/DFS
Propositional Logic, Logical Equivalences
Computer Organization Basics, Von Neumann Model
Instruction Cycle, Micro-operations
Control Unit: Hardwired vs. Microprogrammed
CLASS OFF
CPU Organization, Registers, ALU
Addressing Modes
I/O Mechanisms: Programmed, Interrupt, DMA
Memory Organization: Cache, RAM, ROM
Memory Hierarchy & Associative Mapping
Virtual Memory, Paging & Segmentation
CLASS OFF
Arrays and Pointers
Linked Lists: Singly Linked
Doubly & Circular Linked List
Stack: Operations and Applications
Queue: Types and Operations
Circular Queue, Deque, Priority Queue
CLASS OFF
Trees: Binary Tree, Traversals
Binary Search Tree (BST)
AVL Trees, B-Trees

Heap and Heap Sort
Hashing and Hash Tables
Graphs: Representations and Traversals
CLASS OFF
Recursion and Backtracking
Time and Space Complexity
Searching: Linear & Binary Search
Sorting: Bubble, Insertion, Selection
Merge Sort, Quick Sort
Greedy Algorithms, Dynamic Programming Basics
CLASS OFF
Introduction to C, Data Types
Conditional Statements & Loops
Functions and Recursion
Arrays, Strings, Pointers
Structures and Unions
File Handling in C
CLASS OFF
OOP Concepts: Class, Object, Encapsulation
Inheritance and Polymorphism
Abstraction and Interfaces
Exception Handling
File Handling in Java
Collections Framework
CLASS OFF
Introduction to OS, Process Management
CPU Scheduling: FCFS, SJF, RR, Priority
Memory Management: Paging, Segmentation
DBMS Basics, ER Diagrams
Relational Model, Keys, Constraints
SQL Queries: SELECT, JOIN, GROUP BY
CLASS OFF
OSI Model & TCP/IP Layers
Network Devices, IP Addressing
Software Engineering: SDLC, Agile, Waterfall
HTML + CSS Basics
Introduction to Cyber Security & Cryptography
IT Acts, Cyber Laws, Final Revision Quiz

Algorithms
Programming in C
OOP in Java
Operating Systems + DBMS
Networking, Software Engineering, Web, Security