TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC GRADE "A" INSTITUTE (CYCLE-2)

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INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI-110085

DIGITAL COMPUTING G IT CLUB CALENDAR 2026-27

S.No.	Date	Activity	Learning Objectives	Course Mapping	Year	CO	BTL	OBE Values	Mulya Pravah	UNSDG Goals	Expected Outcome
1	08/08/26	Orientation on Digital Computing Technologies	Understand computing fundamentals, programming, digital systems and career opportunities.	**BCA-103, BCA-104, BCA-109, MCA-102**	1st, 2nd & MCA	CO1	BTL-2 (Understand)	Knowledge	Belongingness	SDG 4, 9	Students understand Digital Computing ecosystem.
2	22/08/26	Workshop on C Programming Fundamental s	Develop problem-solving using C programming.	**BCA-106, BCA-107**	BCA-I	CO2	BTL-3 (Apply)	Technical Skills	Commitment	SDG 4	Students write structured C programs.
3	29/08/26	Workshop on Digital Logic Design	Understand Boolean Algebra, Logic Gates and Combinational Circuits.	**BCA-104, MCA-102**	BCA-I	CO2	BTL-3 (Apply)	Analytical Skills	Dedication	SDG 9	Students design digital circuits.
4	12/09/26	Workshop on Java Programming	Develop object oriented programming skill using Java	**BCA-203, MCA-104**	BCA-I & MCA-I	CO2	BTL-3 (Apply)	Technical Competence	Integrity	SDG 4	Students develop Java applications .

5	19/09/26	Seminar on OOP Concepts & Design Principles	Understand encapsulation, inheritance, polymorphism and abstraction.	**BCA-203, MCA-104, MCA-229**	BCA & MCA	CO1	BTL-2 (Understand)	Innovation	Excellence	SDG 4	Strong foundation in OOP concepts.
6	26/09/26	Workshop on Data Structures using C/Java	Implement arrays, stacks, queues and linked lists.	**MCA-201, BCA-203**	BCA-II & MCA-I	CO2	BTL-3 (Apply)	Problem Solving	Responsibility	SDG 9	Students implement core data structures.
7	03/10/26	Seminar on Algorithms & Complexity	Analyze searching and sorting algorithms.	**MCA-201**	BCA-II & MCA-I	CO3	BTL-4 (Analyze)	Research Orientation	Accountability	SDG 9	Improved algorithmic thinking.
8	17/10/26	Coding Competition (C & Java)	Solve real-world programming problems.	**BCA-106, BCA-107, BCA-203, MCA-104, MCA-201**	All Years	CO2	BTL-4 (Analyze)	Critical Thinking	Trusteeship	SDG 4	Enhanced coding skills.
9	31/10/26	Digital Circuit Design Competition	Design combinational and sequential logic circuits.	**BCA-104, BCA-109, MCA-102**	BCA-I	CO3	BTL-5 (Evaluate)	Innovation	Excellence	SDG 9	Students demonstrate hardware design skills.
10	14/11/26	Password Security & Multi-Factor Authentication Workshop	Understand cybersecurity principles.	**BCA 306, BCA 318, MCA 229**	3rd Year	CO2	BTL-2 (Understand)	Ethics	Responsibility	SDG 9, 16	Students practice secure authenticatio n methods.
Semester End: 04-Dec-2026											
COMMENCEMENT OF EVEN SEMESTER 2026-27											
11	30/01/27	Workshop on Java Collections Framework	Use Java Collection classes effectively.	**BCA 203, MCA 109**	2nd Year	CO3	BTL-3 (Apply)	Skill	Excellence	SDG 4	Students implement Java collection programs.

12	06/02/27	Workshop on Advanced Data Structures	Implement advanced data structures.	**BCA 306, MCA 201**	2nd Year	CO4	BTL-3 (Apply)	Problem Solving	Perseverance	SDG 4	Students solve complex programming problems.
13	20/02/27	Seminar on Design Patterns & Software Engineering	Explain software engineering principles and design patterns.	**BCA 306, MCA 201**	3rd Year	CO2	BTL-2 (Understand)	Professional	Integrity	SDG 9	Students understand reusable software design techniques.
14	27/02/27	Workshop on GUI & Event Driven Programming in Java	Develop GUI-based Java applications.	**BCA 306, MCA 201**	2nd Year	CO4	BTL-3 (Apply)	Skill	Creativity	SDG 4	Students build event-driven applications.
15	13/03/27	Hackathon: Problem Solving Challenge	Design innovative software solutions collaboratively.	**BCA 103, 104, 106, 107, 109, 112, 203, 306, 318; MCA 102, 104, 109, 114, 201, 229**	All Years	CO5	BTL-6 (Create)	Innovation	Teamwork	SDG 9	Students develop working software prototypes.
16	10/04/27	Expert Talk on Emerging Computing Technologies	Explore recent trends in computing technologies.	**All BCA & MCA Courses**	All Years	CO1	BTL-2 (Understand)	Lifelong Learning	Curiosity	SDG 4, 9	Students gain awareness of emerging technologies.
17	01/05/27	Quiz on Programming & Digital Computing	Assess conceptual understanding of computing fundamentals.	**All BCA & MCA Courses**	All Years	CO5	BTL-2 (Understand)	Knowledge	Excellence	SDG 4	Students evaluate their echnical knowledge.

18	08/05/27	Programming Contest	Demonstrate programming and logical reasoning skills.	**All BCA & MCA Courses**	All Years	CO5	BTL-5 (Evaluate)	Competence	Team Spirit	SDG 4	Students improve coding efficiency and problem-solving.

Ms. Namita Tiwari

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