TECNIA INSTITUTE OF ADVANCED STUDIES

NAAC GRADE 'A' INSTITUTE (CYCLE-2)
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INSTITUTIONAL AREA, MADHUBAN CHOWK, ROHINI, DELHI-110085

DIGITAL COMPUTING CLUB

Report (Workshop on Data Structures using C/Java)

Event	Awareness
Type of Activity:	Workshop
OBE Values	Problem Solving
Mulya Pravah	Responsibility
Global Impact-UNSDG No.	SDG 9 –Industry, innovation and infrastructure
Objectives	1. To provide students with a fundamental understanding of data structures using C/Java. 2.To develop practical skills in implementing arrays, stacks, queues, and linked lists. 3.To enhance logical thinking and problem-solving abilities through hands-on programming exercises. 4.To help students understand the applications of data structures in solving real-world computational problems. 5.To strengthen programming skills and the ability to apply data structure concepts effectively.
Course Mapping	Workshop on Data Structures using C/Java (BCA201T, BCA207T)
Course Outcome (CO)	Apply data structure concepts to implement arrays, stacks, queues, and linked lists using C/Java for solving computational problems efficiently.
BT Level	BTL 3 - Apply
Expected Outcomes	1. Students will be able to understand and implement fundamental data structures using C/Java. 2. Students will gain practical knowledge of arrays, stacks, queues, and linked lists. 3. Students will develop logical thinking and problem-solving skills through programming exercises. 4. Students will be able to apply appropriate data structures to solve computational problems efficiently. 5. Students will enhance their programming proficiency through hands-on implementation.
In collaboration/association with	Domain Club: Digital Computing Club (DICT)
Name & Designation details of Resource Person- Internal Expert (with the Profile Link)	Ms. Namita Tiwari, Assistant Professor (TIAS) & Ms. Bhawna , Assistant Professor (TIAS)
Name & Designation details of Resource Person- External Expert / Career Counseling expert(LinkedIn	NA
Duration (Date & Time)	26-Sep-2026
Mode (Offline/Hybrid)	Offline

Venue	COE Lab, UG Building, TIAS
No. of Internal Participants	25
No. of External Participants *[write NA if not applicable]*	NA
No. of Institutions Participated	01
University Representation	NA
Awards/Recognition (if any) **(Attach e-copy of Awards/Certificates)**	E-Certificate

Innovation / Best Practice

The workshop adopted an interactive and hands-on learning approach by providing students with practical exposure to Data Structures using C/Java and their applications in programming. Key innovative features include:

- Integration of fundamental data structures such as arrays, stacks, queues, and linked lists, reflecting essential programming and computational concepts.
- Exploration of data organization, storage, and manipulation techniques to enhance students' logical thinking and programming skills.
- Experiential learning through practical implementation of data structures using C/Java programming.
- Application of data structure concepts to solve computational problems and develop efficient programming solutions.
- Alignment of the activity with OBE – Problem Solving, Mulya Pravah – Responsibility, and UNSDG 9 – Industry, Innovation and Infrastructure.

Feedback:

Mode of feedback collection (form / oral / reflection / survey)	**Evidence to be maintained by the Event Coordinator:** • Attendance sheet • Event poster/flyer • Screenshots/photographs of the webinar • Feedback form and responses
Key feedback highlights	Students found the workshop informative, interactive and practically useful. They appreciated the hands-on implementation of arrays, stacks, queues and linked lists using C/Java, which helped strengthen their understanding of data structures. The practical examples enhanced their logical thinking, programming skills and problem-solving abilities. Overall, students found the session beneficial for connecting theoretical concepts with real-world programming applications.
Suggestions for improvement (if any)	**NA**

Concluding remarks (s):

The workshop on Data Structures using C/Java successfully provided students with practical knowledge of fundamental data structures, including arrays, stacks, queues, and linked lists. Through hands-on implementation and interactive learning, students enhanced their programming skills, logical thinking, and problem-solving abilities. The session helped bridge the gap between theoretical concepts and practical applications, encouraging students to apply data structure techniques in computational problem-solving. Overall, the workshop contributed to strengthening students' technical competence and programming confidence.

Media Coverage:

Social media link(s)	https://www.facebook.com/share/p/1MUEACJHiy/ https://www.instagram.com/p/DdtevaeDV3x/
Print Media evidence (If any)	

TECNIA
INSTITUTE OF ADVANCED STUDIES

NAAC GRADE A

Workshop on

DATA STRUCTURES USING C/JAVA

is being organised by

DIGITAL COMPUTING CLUB

in collaboration with

DEPARTMENT OF INFORMATION & COMMUNICATION TECHNOLOGY

26th Sep. 2026 | 11:00 AM Onwards | CoE Lab, UG Building, TIAS



SCAN ME

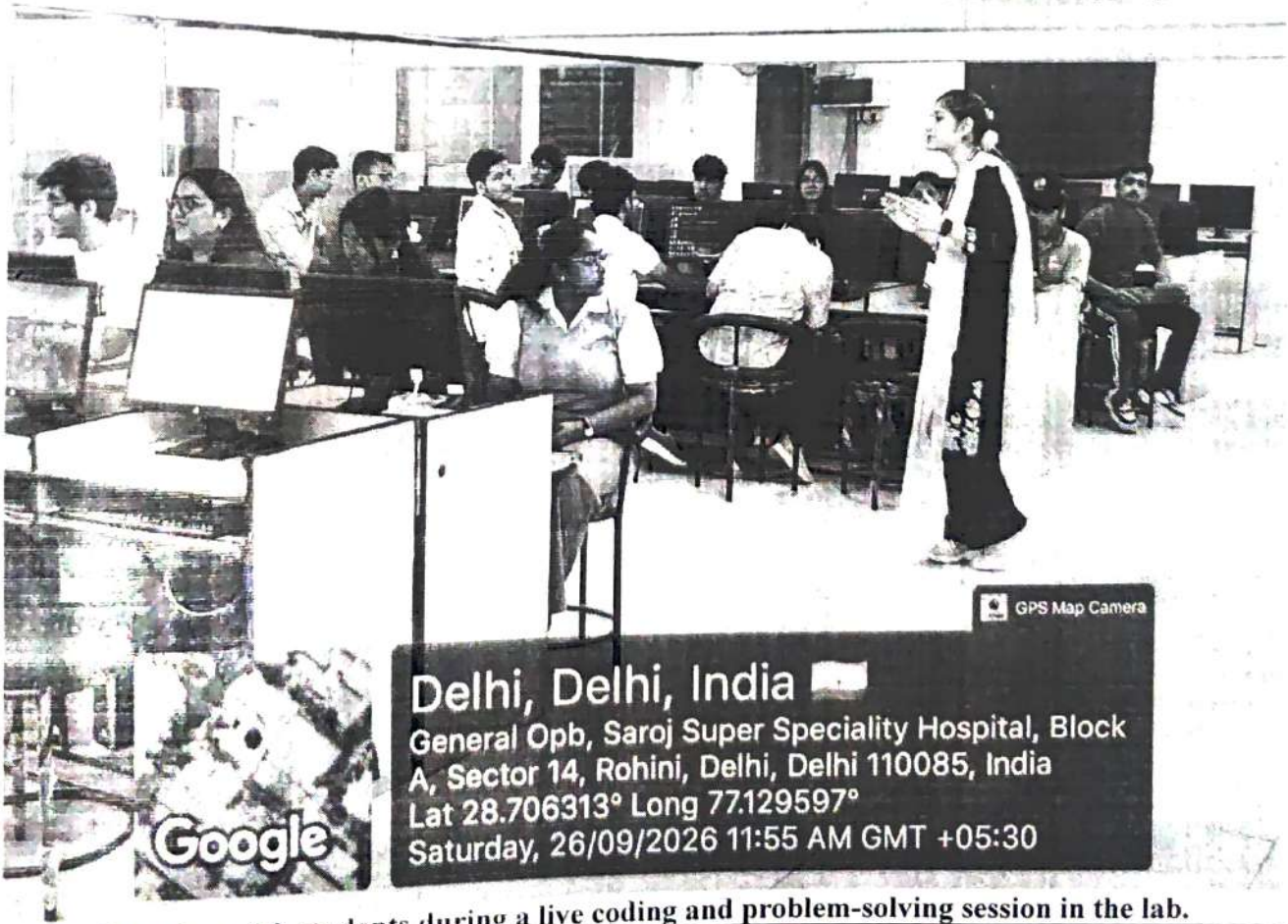
Event Coordinator:
Ms. Namita Tiwari
(Incharge Digital Computing Club)

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...tag photos (with Caption):



Interactive workshop on Data Structures using C Java in progress at the computer lab.



Engaging with students during a live coding and problem-solving session in the lab.



Hands-on learning and active student participation during the practical lab session.

List of Participants (Attendance Sheet):

S. No.	Enrolment No.	Name of the Student	Prog & Year	Sign
1	00117002026	SANCHITA BHUIYA	BCA,1st	
2	00217002026	NISHITA SHARMA	BCA,1st	
3	00317002026	PRATHAM	BCA,1st	
4	00417002026	ANGEL VEENA RAJ	BCA,1st	
5	00517002026	ARYAN SHARMA	BCA,1st	
6	00617002026	JITEN BUDHIRAJA	BCA,1st	
7	00717002026	VISHESH GOSWAMI	BCA,1st	
8	00817002026	RIYA YADAV	BCA,1st	
9	00917002026	TUSHAR MALHOTRA	BCA,1st	
10	01017002026	AYUSH BHARTI	BCA,1st	
11	01117002026	PIYUSH GARG	BCA,1st	
12	01217002026	SHIVAM SHARMA	BCA,1st	
13	01317002026	ANANYA MITTAL	BCA,1st	
14	01417002026	RIYA KANSAL	BCA,1st	
15	01517002026	AYAN MITTAL	BCA,1st	
16	01617002026	YASH KUMAR	BCA,1st	
17	01717002026	YISHIKA MUNJAL	BCA,1st	
18	01817002026	ANSHUL	BCA,1st	
19	01917002026	PRIYANSHI AKARNIA	BCA,1st	
20	02017002026	VIDIT SHARMA	BCA,1st	
21	02117002026	ABHAY SINGH YADAV	BCA,1st	
22	02217002026	DEVANSH MANUJA	BCA,1st	

Event Coordinator/Club Incharge

Ms. Namita Tiwari
Dental Computing Club Incharge

Dr. Ratandeep Kaur
Domain Club Head

Dr. Sushma Bahuguna
Asso. Dean, DICT

Asso. Dean, Dept. of Info. Comm. & Tech.
Teenia Institute of Advanced Studies