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 C Programming Fundamentals)

Event	Awareness
Type of Activity:	Workshop
OBE Values	Technical Skills
Mulya Pravah	Commitment
Global Impact-UNSDG No.	SDG 4 – Quality Education
Objectives	1. To develop basic C programming skills and understand fundamental syntax. 2. To understand data manipulation using C programming language structures, arrays, and pointers. 3. To apply C programming concepts to process data and construct basic structured outputs. 4. To improve problem-solving capabilities and logical thinking through algorithmic programming. 5. To gain practical programming experience in writing, compiling, and debugging procedural code.
Course Mapping	Introduction to C Programming Fundamentals (BCA-106, BCA-107)
Course Outcome (CO)	Students will be able to write, debug, and optimise structured procedural programs in C using control structures, arrays, and functions to solve real-world computational problems.
BT Level	BTL-3 Apply
Expected Outcomes	1. Students gain practical knowledge of C programming syntax, memory allocation, and execution mechanisms. 2. Students can manipulate and analyse structured data using arrays, strings, and pointers. 3. Students can construct logic-driven algorithms and structure modular programs using functions. 4. Students develop enhanced problem-solving and logical thinking skills for software development.

In collaboration/association with	Domain Club: Digital Computing Club (DICT)
Name & Designation details of Resource Person- Internal Expert (LinkedIn Profile Link)	Mr. Sachin Bhardwaj (Assistant Professor) - TIAS
Name & Designation details of Resource Person- External Expert Trained counseling expert(LinkedIn Profile Link)/	NA
Duration (Date & Time)	22-Aug-2026
Mode (Offline/Hybrid)	Offline
Venue	TIAS
No. of Internal Participants	30
No. of External Participants *[write NA if not applicable]*	0
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 a practical and skill-oriented learning approach by providing students with hands-on exposure to C Programming Fundamentals. Key innovative features include:

- Practical Programming Skills: Focus on C syntax, control structures, arrays, pointers, and functions to build a strong programming foundation.
- Hands-on Coding Practice: Encouragement to write, compile, debug, and execute C programs to strengthen practical understanding.
- Problem-Solving Approach: Application of algorithmic thinking and logical reasoning to solve computational problems.
- Structured Program Development: Emphasis on modular programming and efficient code development to address real-world computational challenges.
- OBE and SDG Alignment: Integration of Technical Skills, Mulya Pravah value of Commitment, and UNSDG 4 – Quality Education to promote outcome-based and skill-oriented learning.

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 session highly practical and informative, gaining a clear understanding of live C programming demonstrations for logic building, memory management, arrays, and data manipulation.**
Suggestions for improvement (if any)	**NA**

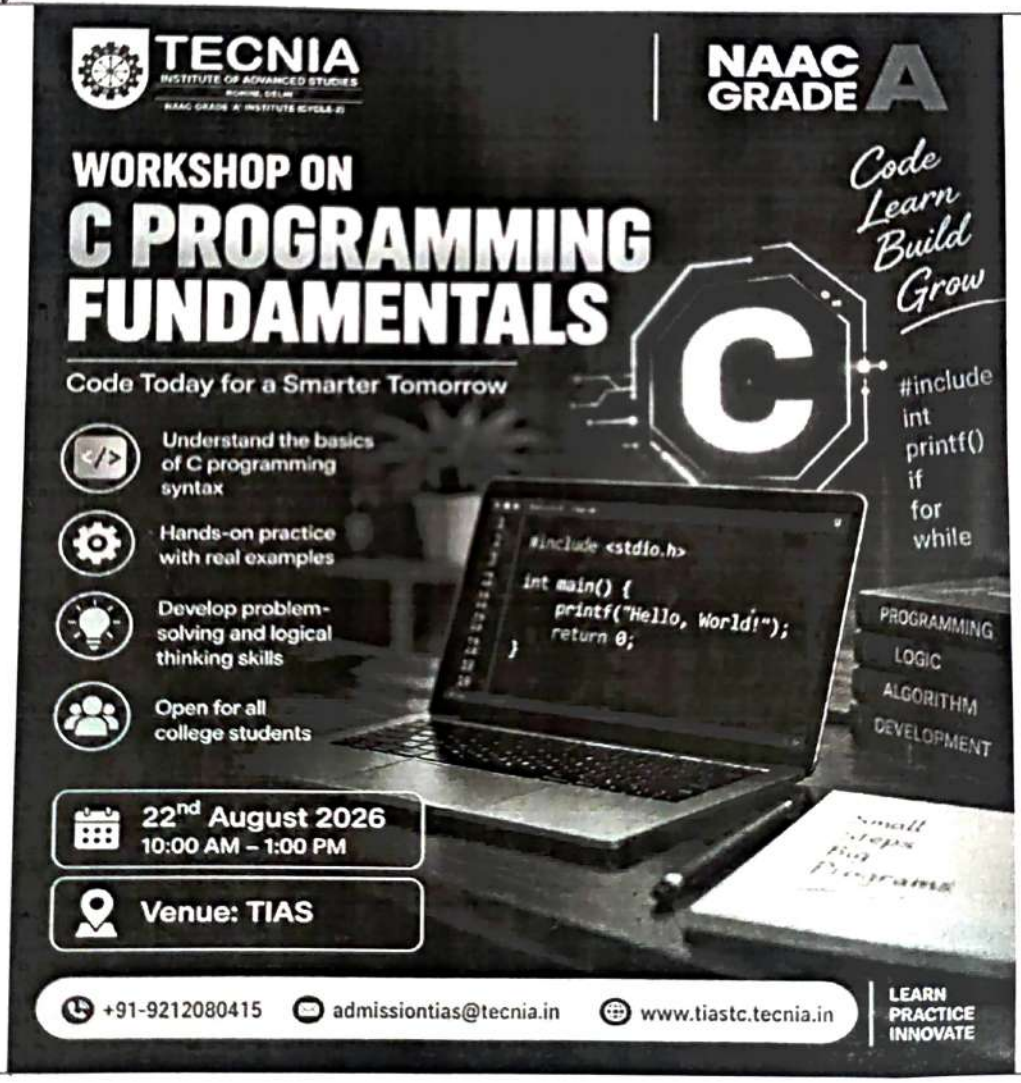
Conclude remark (s):

The C Programming Fundamentals workshop successfully equipped second-year students with practical logic-building and procedural programming skills, fulfilling the target outcomes for CO2 and BTL-3 application under SDG 4 (Quality Education). Through hands-on coding demonstrations, participants gained actionable knowledge in data manipulation, functions, and algorithm design. To build on this success, future sessions will incorporate additional live practice time and pre-workshop environment setups, ensuring students continue to develop strong technical competence and real-world problem-solving skills.

Media Coverage:

Social media link(s)	**1.https://www.instagram.com/p/DcVVQyQgYkt/?igsi=OHpqbTB5OHE3d2o3**
Print Media evidence (If any)	

Poster/Flyer



Geotag photos (with Caption):



Students actively participated in hands-on C programming activities in the computer laboratory, practising coding and program execution.



Students engaged in practical programming exercises, strengthening their understanding of C programming concepts and problem-solving skills.



Students engaged in practical programming exercises, strengthening their understanding of C programming concepts and problem-solving skills.

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	
23	02317002026	ANUSHKA VERMA	BCA,1st	

	02417002026	ANUGRAH SINGH	BCA,1st	
25	02517002026	PAHAL CHAWLA	BCA,1st	
26	02617002026	RAKSHIT VASHISTH	BCA,1st	
27	02717002026	GURLEEN KAUR	BCA,1st	
28	02817002026	ISHAAN KAPOOR	BCA,1st	
29	02917002026	ABHINAV SHARMA	BCA,1st	
30	03017002026	HIMSHIKHER DHIR	BCA,1st	

Event Coordinator/Club Incharge

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

Ms. Namita Tiwari
Digital Computing Club Incharge

Dr. Ratandeep Kaur
Domain Club Head

Dr. Sushma Bahuguna
Asso. Dean, DIC P