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 (Seminar on OOP Concepts & Design Principles)	
Event	Awareness
Type of Activity:	Seminar
OBE Values	Innovation
Mulya Pravah	Excellence
Global Impact-UNSDG No.	SDG 4 – Quality Education
Objectives	1. To introduce students to the fundamental concepts of Object-Oriented Programming (OOP). 2.To explain classes, objects, inheritance, encapsulation, polymorphism, and abstraction. 3.To develop problem-solving and programming skills through OOP principles. 4.To understand the importance of object-oriented design in developing modular, reusable, and maintainable software. 5.To encourage innovation and excellence in software development.
Course Mapping	Seminar on OOP Concepts & Design Principles (BCA201T, BCA207T)
Course Outcome (CO)	Students will be able to understand and apply Object-Oriented Programming concepts such as classes, objects, inheritance, encapsulation, and polymorphism to design and develop modular, reusable, and maintainable software solutions.
BT Level	BTL 2 - Understand
Expected Outcomes	1. Students will gain a clear understanding of fundamental OOP concepts and design principles. 2. Students will be able to apply classes, objects, inheritance, encapsulation, and polymorphism in programming. 3. Students will develop logical thinking and problem-solving skills. 4. Students will understand how to design modular, reusable, and maintainable software applications. 5. Students will enhance their programming knowledge and practical software development skills

In collaboration/association with	Domain Club: Digital Computing Club (DICT)
Name & Designation details of Resource Person- Internal Expert (LinkedIn Profile Link)	Ms. Namita Tiwari, Assistant Professor (TIAS)
Name & Designation details of Resource Person- External Expert Trained counseling expert(LinkedIn Profile Link)/	NA
Duration (Date & Time)	19-Sep-2026
Mode (Offline/Hybrid)	Offline
Venue	CoE Lab, UG Building, TIAS
No. of Internal Participants	19
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 seminar adopted an interactive and concept-driven learning approach by providing students with practical exposure to Object-Oriented Programming (OOP) concepts and software design principles. Key innovative features include:

- Integration of core OOP concepts such as encapsulation, inheritance, polymorphism, and abstraction, reflecting contemporary software development practices.
- Exploration of classes, objects, and design principles to enhance students' programming and logical thinking skills.
- Experiential exposure to object-oriented programming through practical examples and real-world applications.
- Application of OOP concepts to develop modular, reusable, and maintainable software solutions.
- Alignment of the activity with OBE – Innovation, Mulya Pravah – Excellence, and UNSDG 4 – Quality Education.

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 seminar informative, engaging, and useful. They appreciated the clear explanation of OOP concepts, including encapsulation, inheritance, polymorphism, and abstraction. The practical examples helped them understand the importance of object-oriented design in developing reusable, modular, and maintainable software applications.
Suggestions for improvement (if any)	**NA**

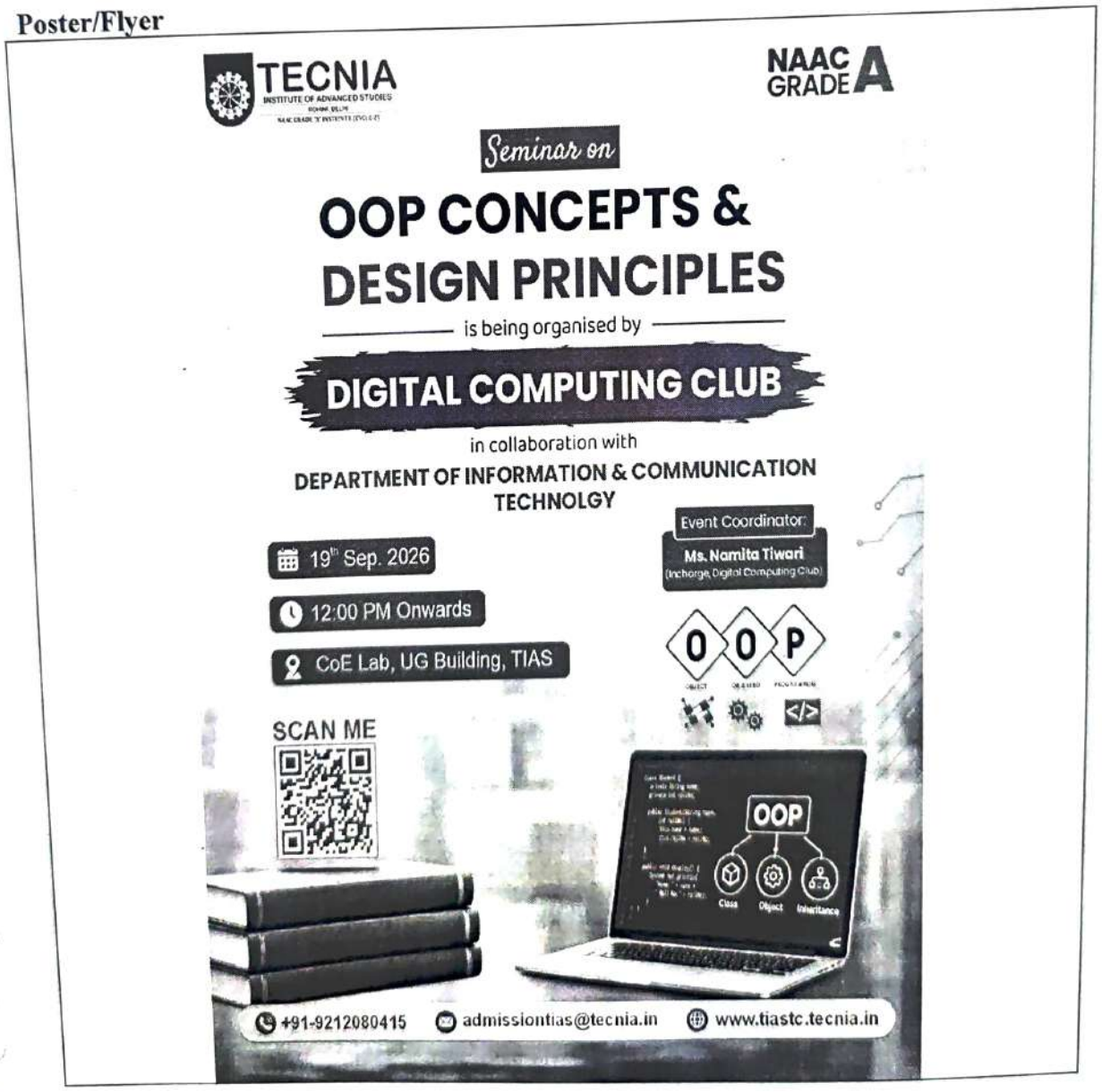
Conclude remarks (s):

The seminar on OOP Concepts & Design Principles successfully enhanced students' understanding of fundamental object-oriented programming concepts, including encapsulation, inheritance, polymorphism, and abstraction. The session provided valuable insights into software design principles and their practical applications. Students gained a stronger foundation in programming, logical thinking, and problem-solving skills. The seminar encouraged innovation, technical excellence, and the development of reusable and maintainable software solutions, contributing to students' academic and professional growth.

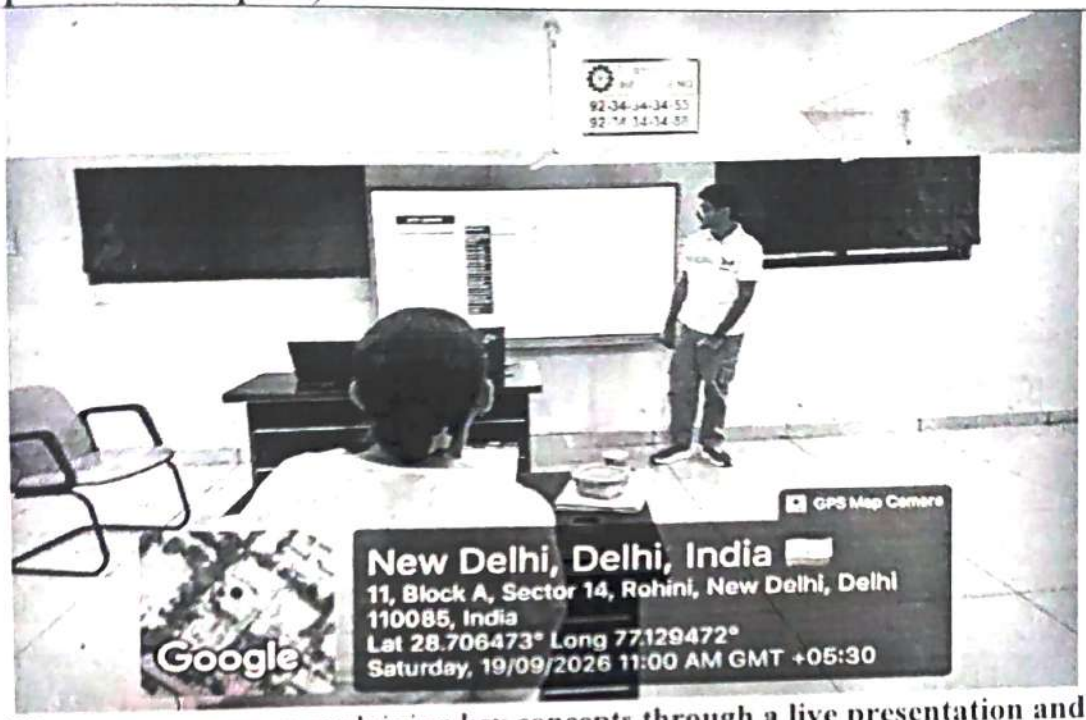
Media Coverage:

Social media link(s)	https://www.facebook.com/share/p/1JyafypKTu/ https://www.instagram.com/p/DdbY4sCDpbn/
Print Media evidence (If any)	

Poster/Flyer



Geotag photos (with Caption):



The resource person explaining key concepts through a live presentation and demonstration, enhancing students' practical understanding.



Students actively participating in the seminar through collaborative learning and practical

engagement in the computer laboratory.



Students engaging in interactive discussions and hands-on learning during the seminar.

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	

Event Coordinator/Club Incharge

Ms. Namita Tiwari
Digital Computing Club Incharge

Dr. Ratandeep Kaur
Domain Club Head

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

Dr. Sushma Bahuguna
Asso. Dean, DICT