



NEW HORIZON COLLEGE OF ENGINEERING

Expert Talk
on
“DSA Decoded: Beyond Theory to Industry Reality”

Organised by
Department of MCA

Date: 23rd May 2026

Venue: B 307

Brief Description of the Event

An Expert Talk on “DSA Decoded: Beyond Theory to Industry Reality” was organised to provide students with practical insights into the role of Data Structures and Algorithms in the software industry. The session focused on bridging the gap between theoretical concepts learned in academics and their practical implementation in real-world software development. The resource person shared industry experiences, coding practices, and placement-oriented guidance supported by practical examples and problem-solving approaches.

Topics Emphasised:

Importance of Data Structures and Algorithms in Software Development

The resource person emphasised that Data Structures and Algorithms form the foundation of efficient software development. Strong DSA knowledge helps developers write optimised, scalable, and high-performance applications.

Difference between Academic Learning and Industry Expectations

The speaker explained that while academic learning focuses on theoretical understanding, industries expect students to apply concepts for solving real-world problems efficiently. Practical coding ability, optimisation techniques, and analytical thinking are highly valued during placements and project development.

Applications of Data Structures in Real-Time Systems

The session highlighted the practical applications of various data structures in industries, including:

- Arrays and linked lists in data management systems

- Stacks in undo operations and browser history
- Queues in scheduling and resource allocation
- Trees in databases and hierarchical systems
- Graphs in navigation systems and social networks
- Hashing in search optimisation and caching systems

Importance of Problem Solving and Algorithm Optimisation

The resource person highlighted the importance of logical thinking, problem decomposition, and algorithm optimisation.

Outcomes:

- Enhanced understanding of the importance of DSA in software industries
- Improved awareness of real-world applications of algorithms and data structures
- Better understanding of coding interview expectations and placement preparation
- Encouragement to practice competitive coding and optimisation techniques

Activities Conducted

- Expert lecture with industry-oriented examples
- Demonstration of problem-solving approaches using DSA concepts
- Discussion on coding interview preparation strategies
- Interactive discussion and Q&A session

No of Participants: 48

Winners (if any, for activities conducted): NA

Guest Details (Name, Designation, Organisation, Location) :

Ms. Maria Saphika
Analyst
Capgemini, Bengaluru

Photographs of the Event



Expert Talk

DSA Decoded: Beyond Theory to Industry Reality



Ms. Maria Sapthika
Analyst, Capgemini
Bengaluru

 23 May 2026
 09:00 AM to 11:00 AM
 B 308
Sardar Vallabhbhai Patel Block

Faculty Coordinator
Dr. Nithya Ramesh
Associate Professor
Department of MCA

Convenor
Dr. V Asha
HoD - MCA

Organised by
Department of Master of Computer Applications





Bengaluru, Karnataka, India 🇮🇳

New Horizon College Of Engineering Vishveshwaraya Block, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India

Lat 12.934403° Long 77.693129°

23/05/26 10:09 AM GMT +05:30



Bengaluru, Karnataka, India 🇮🇳

New Horizon College Of Engineering Vishveshwaraya Block, Kaverappa Layout, Kadubeesanahalli, Bengaluru, Karnataka 560103, India

Lat 12.934394° Long 77.69313°

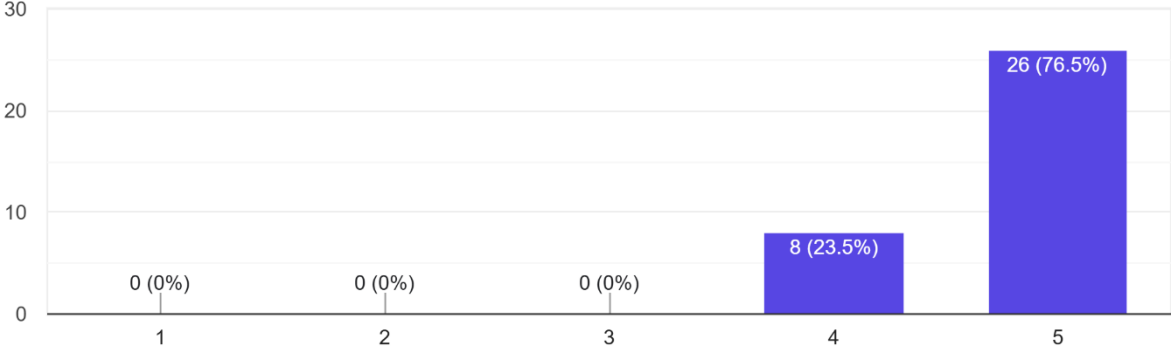
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Feedback

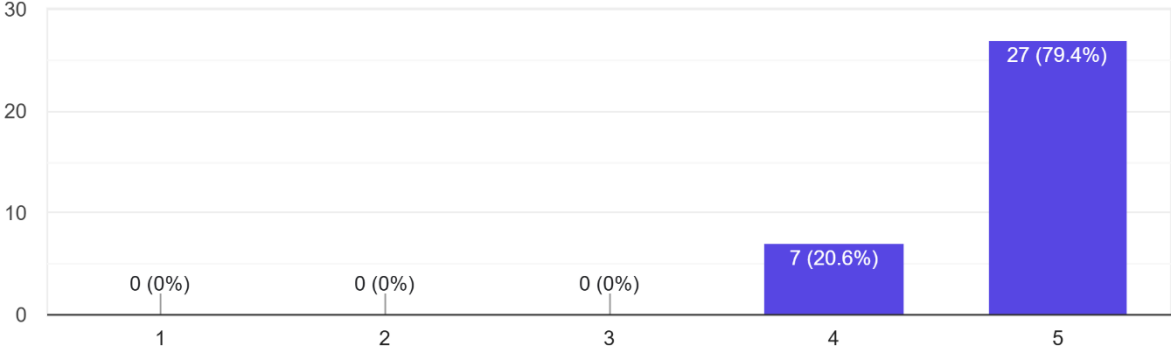
Quality of the training content

34 responses



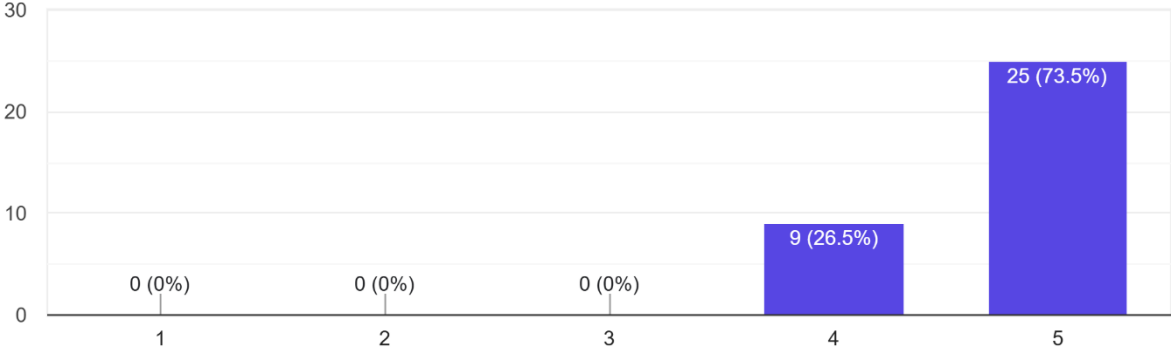
Clarity of the presentation.

34 responses



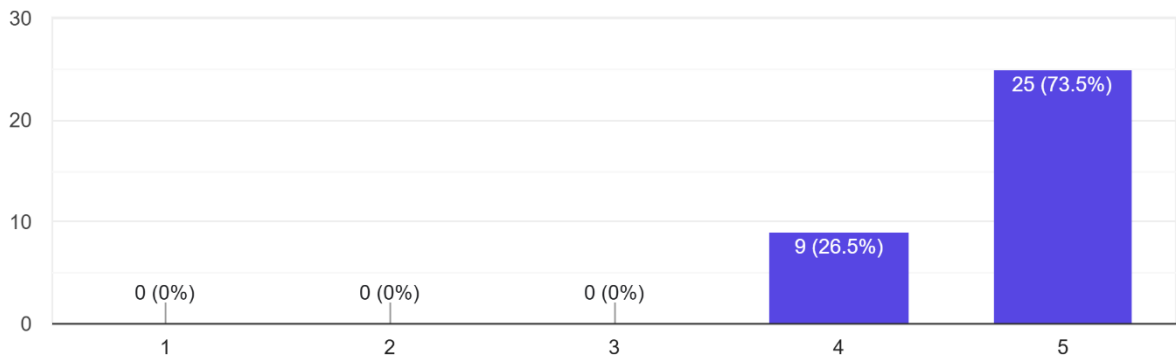
Effectiveness of the examples depicted during the session.

34 responses



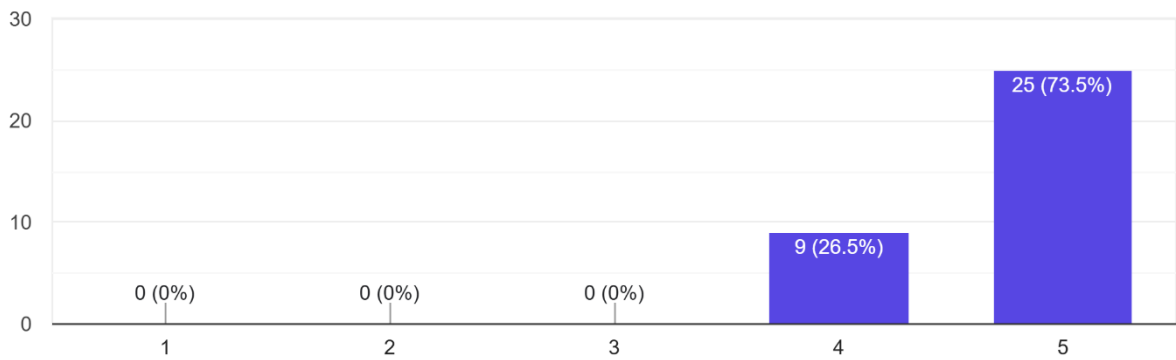
Achievement level in understanding the topics

34 responses



How relevant was the content of the session to your course or academic interests?

34 responses



Faculty Coordinator

Dr. B Nithya Ramesh

HoD-MCA

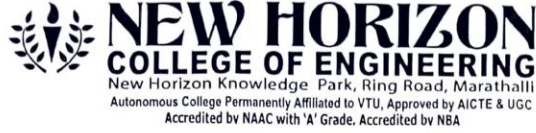
Dr. Asha V

Head of the Department
Department of Master of Computer Applications
NEW HORIZON COLLEGE OF ENGINEERING
2nd Road, Bellandur Post, Bengaluru - 560 105

Attendance:

EXPERT TALK – "DSA Decoded: Beyond Theory to Industry Reality"

DATED: 23.5.2026



DEPARTMENT OF MCA

AY 2025-26

ATTENDANCE SHEET OF PARTICIPANTS

EXPERT TALK

"DSA Decoded: Beyond Theory to Industry Reality"

RESOURCE PERSON: Ms. Maria Saphika,

Analyst, Capgemini, Bengaluru

DATE: 23-05-2026

TIME: 9:00 am to 11:00 am

PARTICIPANTS: SEM II


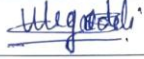





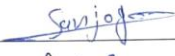
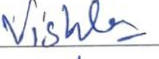


VENUE: B307

SERIAL NO	USN NO	NAME	SIGNATURES
1	INH25MC075	Mohit Guvmani	Mohit
2	INH25MC060	Kunal Raj	Kunal Raj
3	INH25MC088	Pallavi Kumari	Pallavi
4	INH25MC063	M. Leela Saisathiya	Leela
5	INH25MC078	Naga shree nestha	Nageshree
6	INH25MC066	Manaswini JM	Manaswini
7	INH25MC076	Mouna . k	Mouna
8	INH25MC089	Pallavi . M .	Pallavi
9	INH25MC061	Laya . D .	Laya D
10	INH25MC110	Rakshitha . c	Rakshitha
11	INH25MC081	Nikitha . G . K	Nikitha
12	INH25MC119	Sahana V . D	Sahana

SERIAL NO	USN NO	NAME	SIGNATURES
13	INH25MC065	Manasa.S	
14	INH25MC103	Prerana Majaliskar	
15	INH25MC101	Preetihi. CR	
16	INH25MC097	Poojini M	
17	INH25MC094	Pavithra Sai Soma	
18	INH25MC112	Ramuh Chithra	
19	INH25MC105	Purnanki Das	
20	INH25MC070	Megha Mondal	
21	INH25MC106	Rahul R	
22	INH25MC072	SAQIB	
23	INH25MC064	Mahesh.S	
24	INH25MC100	Praveen & Gadge	
25	INH25MC118	Sikrishna	
26	INH25MC062	M. Tharun Raj	
27	INH25MC102	Prem	
28	INH25MC077	N. Kushi	
29	INH25MC117	Rupam Giri	
30	INH25MC092	PAVAN KUMAR S	
31	INH25MC085	Omkar D Powar	
32	INH25MC068	Manoj Keshav Naik	
33	INH25MC067	Mandana. S.A	
34	INH25MC148	SUBHAM	
35	INH25MC128	SANYAM KUMAR	
36	INH25MC143	Soumya Kusma	
37	INH25MC130	Himanshu Satwami	

EXPERT TALK – "DSA Decoded: Beyond Theory to Industry Reality"

DATED: 23.5.2026

SERIAL NO	USN NO	NAME	SIGNATURES
38	INH25MC162	Tiyasa Mondal	
39	INH25MC163	Shreya Ulegdeldi	
40	INH25MC125	Sanjyot Patthak	
41	INH25MC176	Vishal Kumar	
42	INH25MC126	Sanhalp Sandeep Akharya	
43	INH25MC173	Vinit Phati	
44	INH25MC120	Sahil .T.	
45	INH25MC124	Sanjog. Nuyk	
46	INH25MC175	Vishal Kashyap	
47	INH25MC170	Yashwant M	
48	INH25MC093	Pavan Kumar S. M	
49			
50			



EVENT COORDINATOR



HOD-MCA

Head of the Institute
 Department of Master of Computer Science
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