

DEPARTMENT OF ARTIFICIAL INTELLIGENCE MACHINE LEARNING

A value added course on

COMPETITIVE CODING

24^{JUNE} | **29**^{JUNE}



Samprit Chaurasiya

Speaker one



Mithil Poojary

Speaker two



Zainab Bubere

Speaker three



Yash Patil

Speaker four



Pratham Yashwante

Speaker five



Kunal Sharma

Speaker six

FOR ANY QUERIES:

Prof. Monali Deshmukh: 77383 76828

Dr. Varsha Patil: 97682 87595



SIES Graduate School of Technology Nerul, Navi Mumbai
Department of Artificial Intelligence Machine Learning

Value Added Course on Competitive Coding

(June 24-June 29 2024)

Click [Here](#) to Register

Duration of Course: 40 Hrs

Targeted Participants : SE, TE, BE AIML, AIDS, CSE-IOT, ECS, CE, and IT

About the course: This value-added course on competitive coding using Data Structures and Algorithms (DSA) equips students with essential skills to solve real-life problems. Through hands-on training, students will learn to apply DSA concepts effectively, enhancing their competitive coding abilities. The course focuses on practical applications and problem-solving techniques, preparing students for coding competitions and technical interviews.

Prerequisite:

1. Basic of C/C++/Java/Python
2. Background of Data structures and Design of an algorithm

Course Outcomes:

At the end of the course Students will be able to

1. Develop proficiency in applying data structures and algorithms to solve complex, real-life problems.
2. Gain hands-on experience and practical skills essential for competitive coding and technical interviews.
3. Enhance problem-solving abilities and improve coding efficiency.

4. Prepare effectively for coding competitions and technical job assessments.

Course Content:

Module No.	Contents	Hour
1.	Introduction to data structures: Overview of basic data structures: Arrays, Linked Lists, Stacks, Queues, and Hash Tables	05
2.	Problem-Based Learning on Data Structures and Algorithms: Applying data structures to solve real-life problems. Recursion techniques and problems	05
3.	Greedy &Dynamic Programming: Introduction to Greedy &Dynamic Programming	05
4.	Graphs and Trees: Basic graph concepts and representations	05
5.	String Algorithms: Techniques for string matching, pattern searching, and text processing	05
6.	Exercises Based on Competitive Coding	15

Assessment:

1. Module wise assignments and quizzes should be completed by students.

Project.

Details of Instructor:

1. Prof. Monali Deshmukh & Dr. Varsha Patil SIES GST

2. C.R. Abubakr(Alumni)

3. Mithil Poojari (Alumni)

Course Coordinator:

Prof. Prof. Monali Deshmukh

monalid@sies.edu.in

77383 76828

Department of Artificial Intelligence & Machine Learning

Event Report

Value Added Course on “Competitive Coding”

Event Information
Event Type: Value Added Course
Event Title: Value Added Course on “Competitive Coding”
Resource Person: Dr. Varsha Patil, Prof. Monali Deshmukh, Mr. Prathamesh Y. (Alumni), Mr. Yash Patil (Alumni), Mr. Mithil Poojary (Alumni), Mr. Kunal Sharma, Mr. Samprit C. (Alumni), Ms. Zainab Bubare (Alumni)
Event Date: 24th June to 29th June 2024
Organized for: SE, TE, BE (CE, IT, ECS, AIML, AIDS, IOT)
Organized by: SIES GST AIML Dept
Target Audience (Branch & Nos.): UG Students 30
Attachments: 1. Photographs (JPEG/PNG) 2. Attendance Report 3. Feedback Report 4. Impact Analysis

Event Description

Artificial Intelligence & Machine Learning of SIES GST organized and conducted **Value Added Course on “Competitive Coding”** from July 24th to July 29th 2024 between 10 am to 4 pm. at SIES Graduate School of Technology, Nerul.

The Value-Added Course was collaboratively designed and executed by Dr. Varsha Patil, Prof. Monali Deshmukh, Alumni, and external resource persons.

The course aimed to empower students to analyze complex problems, develop practical solutions for real-life challenges, and enhance technical and analytical skills from a placement perspective.

Topics Covered: Basic programming concepts, Data structures: Arrays, Linked Lists, Trees, Heaps, and Graphs, Problem analysis and multiple approaches to solution development.

Resource Persons: Alumni and external experts delivered impactful sessions on advanced technical topics, sharing industry insights and practical approaches.

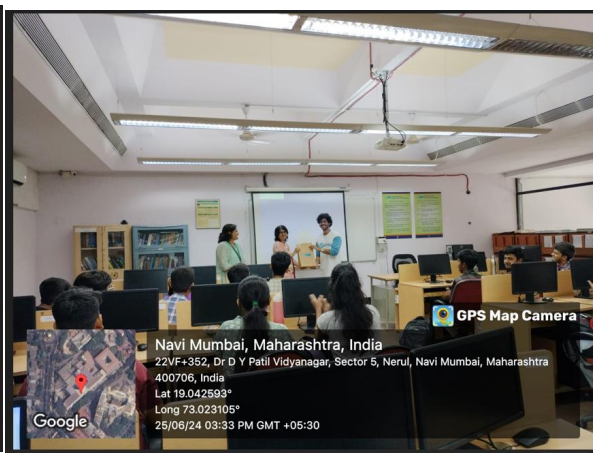
Participants: A total of 30 participants, on average, attended the sessions. Students from SE, TE, and BE levels across departments including CE, IT, AIML, AIDS, CSE (IoT), EXTC, and ECS actively participated.

Outcome: Students gained a deeper understanding of analyzing and solving technical problems. Improved skills relevant to placements and industry requirements.

Feedback: The course received positive feedback, with students expressing admiration for the well-structured content and engaging delivery by resource persons.

Concluding Remarks: Dr. Varsha Patil, HOD of AIML, SIES GST, delivered the concluding remarks, emphasizing the importance of continuous learning and skill development for future success.

1. Photographs (in JPEG/PNG):



Attendance Report

SIES Graduate School of Technology, Nerul

Department of AIML

SDP on Competitive Coding

Date: 24th June, 2024

Sr. No	Name of the student	Year	Branch	Sign 10.00am to 1.00pm	Sign 1.00pm to 5.00pm
1	Nodir Zakir Sayed	BE	AIML		
2	Harsh Sanjay Mogal	BE	AIML		
3	Kshitij Singh	BE	AIML		
4	Atharva Golwalkar	TE	AIML		
5	Dipak Shahaji Ghadge	TE	AIML		
6	Valluvan Vignesh Veeramani	SE	CE		
7	Rohan Sanjay Kadam	SE	CE		
8	Sainath Redekar	T.E.	A.I.M.I		
9	Shivani S. Barge	B.E	EXTC		
10	Chirag Rane	B.E	EXTC		
11	Mohammad Moiruddin ^{Hapan}	S.E	ECS		
12	Alankeshatarichandrakadam	B.E	AIML		
13	Kanya Vagal	T.E.	AIML		
14	Nidhi Kavi	BE	AIDS		
15	Shivank Raj	BE	ECS		
16	Adarsh Korade	SE	AIML		
17	Shafiq Mohammed Abbas	SE	AIDS		
18	Samir Shahane	SE	AIDS		
19	Mansi Telaskin	SE	AIDS		
20	Kavya R. More	SE	AIDS		
21	Soham Shinde	SE	AIDS		
22	Sarang Patil	SE	AIDS		
23	Darshana Jadhav	BE	AIML		
24	Anushka Bharde	BE	AIML		
25	Rutuja Wagh	TE	AIML		
26	Shalini Chaudhary	TE	AIML		
27	Zeenat Momin	TE	AIML		
28	Naeem Parkar	TE	AIML		
29	Ratish D. Patil	SE	AIDS		
30	ASIL ABDUL S.	TE	AIML		
31	Sahil Baid	BE	AIML		
32	Shoaib Shaikh	BE	AIML		
33.	Rohit Singh	BE	AIML		
34.	Shubham Patil	T.E.	AIML		

Date: 24-06-2024 to 29-06-2024

26-06-24.

26-06-24.

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SIES Graduate School of Technology, Nerul

Department of AIML

SDP on Competitive Coding

Date: 24-06-2024 to 29-06-2024

4. PG. 94

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Feedback

Id	Email	Name	Branch	Year (FE,SE,TE, BE)	Knowledge and Expertise	Clarity and Communication	Engagement	Practical Insights	Overall Delivery	Suggestions for Improvement
1	moinuddinhasanmmecs1	MOINUDDIN HASAN MO	ECS	FE	4	5	5	4	4	
2	shubhamnaiml122@gst	SHUBHAM PATIL	AIML	SE	4	5	5	5	5	
3	helansoniaajiot121@gst	Helansonia Jhosef	CSE-IOT &	BE	5	5	5	5	5	
4	atharvaagaiml122@gst.s	ATHARVA GOLWALKAR	AIML	SE	4	5	5	5	4	
5	rajuvaiml121@gst.sies.e	Raj Veer	AIML	TE	5	5	5	5	4	
6	mohammedasaid123@gst	MOHAMMED SHAIKH	AIDS	SE	5	5	5	4	5	
7	kavyaarmaids123@gst.s	KAVYAA MORE	AIDS	SE	5	4	4	4	4	
8	ratishdpaid123@gst.sie	RATISH PATIL	AIDS	SE	4	5	5	4	4	
9	naeemmpaiml122@gst.s	NAEEM PARKAR	AIML	SE	5	4	5	5	5	More programs should be conducted
10	vigneshvvce123@gst.sie	VIGNESH VALLUVAN	CE	SE	4	5	3	3	4	
11	zeenatfmaiml122@gst.s	ZEENAT MOMIN	AIML	TE	4	3	3	3	5	None
12	kanyarvaiml122@gst.sie	KANYA VAGAL	AIML	TE	5	5	3	5	4	
13	sohamssaid123@gst.sie	SOHAM SHINDE	AIDS	SE	4	4	5	4	4	
14	nidhipaid121@gst.sies.e	Nidhi	AIDS	BE	5	5	4	5	5	Good exp
15	shivankre121@gst.sies	Shivank	ECS	BE	4	4	5	5	4	
16	archipiot122@gst.sies.ed	ARCHI PATEL	CSE-IOT &	Se	5	5	4	5	5	
17	kshitijaiml121@gst.sies	Kshitij Singh	AIML	BE	5	4	5	4	4	
18	akankshakaiml222@gst	AKANKSHA KADAM	AIML	TE	4	5	4	4	4	From basic
19	dipaksgaiml122@gst.sies	DIPAK GHADGE	AIML	TE	5	4	5	4	4	
20	anushkabaiml121@gst.s	Anushka Bharde	AIML	BE	4	4	4	4	4	Fixed prog. lang

21	srishtirmaiml122@gst.sies	SRISHTI MISHRA	AIML	TE	3	5	5	4	4	
22	noorzsaiml121@gst.sies	Noor Sayed	AIML	BE	5	3	5	4	4	
23	shrikajmaiml121@gst.sies	Shrika Mishra	AIML	BE	4	4	5	4	4	
24	sahilbaiml121@gst.sies	Sahil Brid	AIML	TE	5	5	5	4	4	
25	shoaibhsaiml121@gst.sies	Shoaib Shaikh	AIML	BE	4	5	5	4	4	



4. Impact Analysis:

The Value-Added Course was a resounding success, meeting its objectives and significantly benefiting the participants in terms of knowledge and practical skills.