

DEPARTMENT OF ARTIFICIAL INTELLIGENCE MACHINE LEARNING

A value added course on

COMPETITIVE CODING

24 | 29 |



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-June29 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

- Develop proficiency in applying data structures and algorithms to solve complex, real-life problems.
- 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	Contents	Hour
No.		
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



SIES Graduate School of Technology

Sri Chandrasekarendra Saraswati Vidyapuram Sector 5, Nerul, Navimumbai-400706

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 Report3. 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):





SIES Graduate School of Technology, Nerul Department of AIML SDP on Competitive Coding

Date:24th June, 2024

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2	Brandsha Landandra Kadam	BL	MIMI	Somudi	
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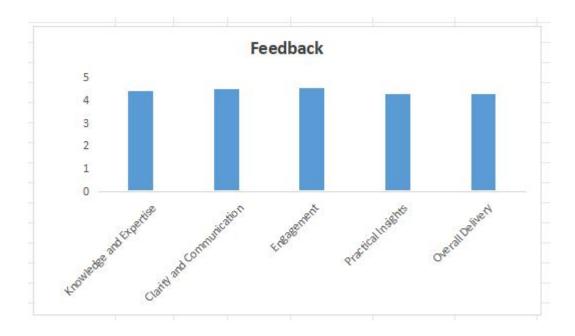
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Feedback

Id	Email	Name	Branch	Year (FE,SE,T E, BE)	Knowledg e and Expertise	Clarity and Communi cation	Engageme nt	Practical Insights		Suggestions for Improvement
1	moinuddinhasanmmecs1	MOINUDDIN HASAN MO	ECS	FE	4	5	5	4	4	
2	shubhamnpaiml122@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	mohammedasaids123@g	MOHAMMED SHAIKH	AIDS	SE	5	5	5	4	5	
7	kavyaarmaids123@gst.si	KAVYAA MORE	AIDS	SE	5	4	4	4	4	
8	ratishdpaids123@gst.sie	RATISH PATIL	AIDS	SE	4	5	5	4	4	
9	naeemmpaiml122@gst.s			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.si	ZEENAT MOMIN	AIML	TE	4	3	3	3	5	None
12	kanyarvaiml122@gst.sie	KANYA VAGAL	AIML	TE	5	5	3	5	4	
13	sohamssaids123@gst.sie	SOHAM SHINDE	AIDS	SE	4	4	5	4	4	
14	nidhipaids121@gst.sies.e	Nidhi	AIDS	BE	5	5	4	5	5	Good exp
15	shivankrecs121@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	kshitijsaiml121@gst.sies	Kshitij Singh	AIML	BE	5	4	5	4	4	
18	akankshahkaiml222@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.si	Anushka Bharde	AIML	BE	4	4	4	4	4	Fixed prog. lang

21	srishtirmaiml122@gst.si	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.sie	Shrika Mishra	AIML	BE	4	4	5	4	4	
24	sahilbaiml121@gst.sies.e	Sahil Brid	AIML	TE	5	5	5	4	4	
25	shoaibhsaiml121@gst.si	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.