



CHAITANYA BHARATHI

INSTITUTE OF TECHNOLOGY

(UGC- AUTONOMOUS)
PRODDATUR

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Ref no: CBIT/CSE/BoS/2026-27/MoM-02

BOARD OF STUDIES **MINUTES OF MEETING**

Minutes of meeting of the Board of Studies (BoS) held on 25-JULY-2026 at 10.00AM in Virtual Mode vide notification no. **CBIT / CSE / BoS / 2026 -27 / JULY / CIRCULAR-02** Dated: 22-07-2026.

Zoom Meet link:-

<https://us04web.zoom.us/j/77947717871?pwd=ujazF9hBHUOzOde2xYSa1jDJyIGzoG.1>

The meeting was presided over by aBoS Chairman. He/She extended a warm welcome to the BoS members.

Agenda Item:

- To Discuss about CSE Course Structure & Syllabus (R26) (I-I, I-II, II-I & II-II) Semesters.
- Approval for Question Paper Evaluator and Setter
- Suggestions

Resolution:

Chairman discussed the proposed R26 Regulation curriculum for B.Tech I-I, I-II, II-I and II-II semesters, including the II-I course offered for the ECE Department.

- Prof. A. Chandrasekhar suggested incorporating more case studies into every course to strengthen analytical thinking and practical understanding.
- He further recommended that faculty should initially teach concepts without relying on AI tools so that students clearly understand the underlying logic and fundamentals.
- Students should first solve problems using pen and paper before using AI-based tools for verification or enhancement.
- Dr. Umamaheswara Rao emphasized that students should understand how AI generates solutions, including the concepts, algorithms, and reasoning behind AI outputs.
- Mr. Rajesh appreciated the introduction of AI tools in the curriculum but advised that students should not become completely dependent on them. AI should be used as a supporting learning tool rather than a replacement for independent thinking.
- Dr. C. Nagaraju observed that AI tools are generally not permitted in competitive examinations; therefore, students should minimize dependence on AI and strengthen their problem-solving skills through regular practice.
- The BoS unanimously resolved to incorporate these recommendations while implementing the R26 Regulation.

Following members have attended the meeting.

ATTENDEES:

S.No.	Name	Designation	Category	Signature
1	Dr. Y. Dasaratha Rami Reddy	Head, Department of CSE, ChaitanyaBharathi Institute of Technology, Proddatur	Chairman	
2	Dr. C. Nagaraju	Profeesor in CSE Dept, Yogi VemanaUniversity,Kadapa	External Subject Expert	Virtual
3	Prof. Annavarapu Chandra Sekhara Rao	Professor, Department of CSE, IIT Dhanbhad	External Subject Expert	Virtual
4	Dr. Umamaheswara Sharma B	Professor, Dept of CSE National Institute of Technology, Calicut, Kerala	External Subject Expert	Virtual
5	Rajesh Kundurthi	Senior consultant, HCL Technologies Hyderabad	Internal Subject Expert	Virtual
6	Dr. G. Sreenivasula Reddy	Director (Admin), ChaitanyaBharathi Institute of Technology, Proddatur,	Internal Subject Expert	
7	Mrs. M. Lakshmi Madhuri	Assistant Professor, Department of CSE ChaitanyaBharathi Institute of Technology, Proddatur	Internal Subject Expert	
8	K. Navya Sri	Software Engineer, VidyogayurvedaPvt Ltd., Bangalore	Internal Subject Expert	Virtual

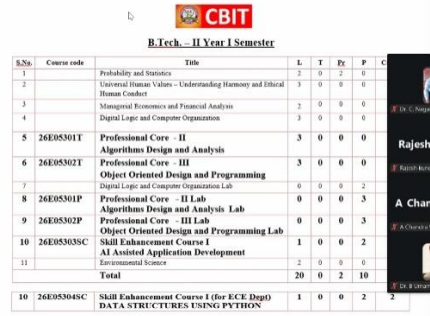
Virtual Meet held on 25-July-2026; @ 10PM



HEARTY WELCOME
to
CSE BOS MEMBERS
Dt: 25-JULY-2026
Department of Computer Science and Engineering



Zoom Meeting Interface showing participants: Rajesh kundurthi, A Chandra Sekh...



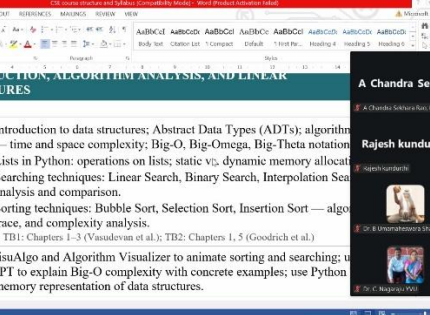
S.No	Course code	Title	L	T	Pr	P	C
1		Probability and Statistics	2	0	2	0	
2		Universal Human Values - Understanding Harmony and Ethical Human Conduct	3	0	0	0	
3		Managerial Economics and Financial Analysis	2	0	0	0	
4		Digital Logic and Computer Organization	3	0	0	0	
5	26E05301I	Professional Core - II Algorithms Design and Analysis	3	0	0	0	
6	26E05302I	Professional Core - III Object Oriented Design and Programming	3	0	0	0	
7		Digital Logic and Computer Organization Lab	0	0	0	2	
8	26E05301P	Professional Core - II Lab Algorithms Design and Analysis Lab	0	0	0	3	
9	26E05302P	Professional Core - III Lab Object Oriented Design and Programming Lab	0	0	0	3	
10	26E05303C	Skill Enhancement Course I AI Assisted Application Development	1	0	0	2	
11		Environmental Science	2	0	0	0	
	Total		20	0	2	10	
10	26E053045C	Skill Enhancement Course I (for ECE Dept) DATA STRUCTURES USING PYTHON	1	0	0	2	2



S.No	Course code	Title	L	T	Pr	P	C
1		Applied Chemistry For Computer Sciences	3	0	0	0	
2		Linear Algebra and Calculus	3	0	2	0	
3		Engineering Graphics	1	0	4	0	
4	26E05101T	Computational Thinking and Problem Solving with Python	3	0	0	0	
5		AI Tools and Applications	1	0	4	0	
6	26E05101P	Computational Thinking and Problem Solving with Python Lab	0	0	0	3	
7		Applied Chemistry For Computer Science Lab	0	0	0	3	
8		Engineering Workshop	0	0	0	3	
9		NSS/NCC/Red Cross/Outreach Community Service	0	0	0	1	
	Total		11	0	10	10	



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UNIT - I INTRODUCTION, ALGORITHMIC ANALYSIS, AND LINEAR STRUCTURES

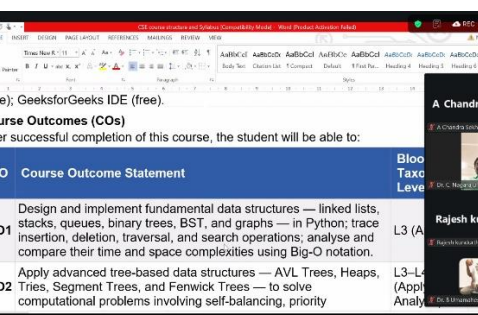
Content

- Introduction to data structures; Abstract Data Types (ADTs); algorithm — time and space complexity; Big-O, Big-Omega, Big-Theta notation
- Lists in Python: operations on lists; static vs. dynamic memory allocation
- Searching techniques: Linear Search, Binary Search, Interpolation Search analysis and comparison.
- Sorting techniques: Bubble Sort, Selection Sort, Insertion Sort — algorithm, trace, and complexity analysis.

Source: TB1: Chapters 1-3 (Vasudevan et al.); TB2: Chapters 1, 5 (Goodrich et al.)

AI Integration

Use VisuAlgo and Algorithm Visualizer to animate sorting and searching; use ChatGPT to explain Big-O complexity with concrete examples; use Python trace memory representation of data structures.



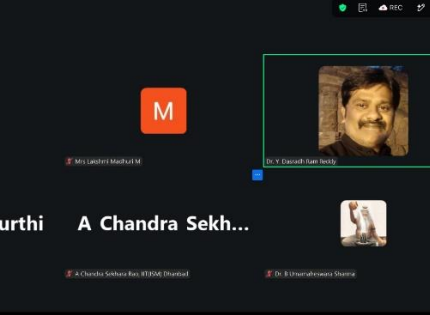
Course Outcomes (COs)

After successful completion of this course, the student will be able to:

CO	Course Outcome Statement
CO1	Design and implement fundamental data structures — linked lists, stacks, queues, binary trees, BST, and graphs — in Python; trace insertion, deletion, traversal, and search operations; analyse and compare their time and space complexities using Big-O notation.
CO2	Apply advanced tree-based data structures — AVL Trees, Heaps, Tries, Segment Trees, and Fenwick Trees — to solve computational problems involving self-balancing, priority



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HOD

PRINCIPAL

Annexure I

Course Structure



B.Tech. – I Year I Semester

<u>S.No.</u>	<u>Course code</u>	<u>Title</u>	<u>L</u>	<u>T</u>	<u>Pr</u>	<u>P</u>	<u>Credits</u>
1		Applied Chemistry For Computer Science	3	0	0	0	3
2		Linear Algebra and Calculus	3	0	2	0	4
3		Engineering Graphics	1	0	4	0	3
4	26E05101T	Computational Thinking and Problem Solving with Python	3	0	0	0	3
5		AI Tools and Applications	1	0	4	0	3
6	26E05101P	Computational Thinking and Problem Solving with Python Lab	0	0	0	3	1.5
7		Applied Chemistry For Computer Science Lab	0	0	0	3	1.5
8		Engineering Workshop	0	0	0	3	1.5
9		NSS/NCC/Scouts & Guides/Community Service	0	0	0	1	0.5
Total			11	0	10	10	21



B.Tech. – I Year II Semester

<u>S.No.</u>	<u>Course code</u>	<u>Title</u>	<u>L</u>	<u>T</u>	<u>Pr</u>	<u>P</u>	<u>Credits</u>
1		Communicative English	2	0	0	0	2
2		Physics for Advanced Computing	3	0	0	0	3
3		Differential Equations and Vector Calculus	3	0	2	0	4
4	26E05201T	Professional Core - I Data Structures & Efficient Problem Solving	2	0	2	0	3
5		Design Thinking	1	0	4	0	3
6	26E05201P	Data Structures & Efficient Problem Solving Lab	0	0	0	2	1
7		Physics for Advanced Computing Lab	0	0	0	3	1.5
8		Communicative English Lab	0	0	0	2	1
9		Health and wellness, Yoga and Sports	0	0	0	1	0.5
10		Cybersecurity Awareness for Engineers	2	0	0	0	0
Total			14	0	8	8	19



B.Tech. – II Year I Semester

S.No.	Course code	Title	L	T	Pr	P	Credits
1		Probability and Statistics	2	0	2	0	3
2		Universal Human Values – Understanding Harmony and Ethical Human Conduct	3	0	0	0	3
3		Managerial Economics and Financial Analysis	2	0	0	0	2
4		Digital Logic and Computer Organization	3	0	0	0	3
5	26E05301T	Professional Core - II Algorithms Design and Analysis	3	0	0	0	3
6	26E05302T	Professional Core - III Object Oriented Design and Programming	3	0	0	0	3
7		Digital Logic and Computer Organization Lab	0	0	0	2	1
8	26E05301P	Professional Core - II Lab Algorithms Design and Analysis Lab	0	0	0	3	1.5
9	26E05302P	Professional Core - III Lab Object Oriented Design and Programming Lab	0	0	0	3	1.5
10	26E05303SC	Skill Enhancement Course I AI Assisted Application Development	1	0	0	2	2
11		Environmental Science	2	0	0	0	0
Total			20	0	2	10	23

10	26E05304SC	Skill Enhancement Course I (for ECE Dept) DATA STRUCTURES USING PYTHON	1	0	0	2	2
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B.Tech. – II Year II Semester

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