

S.A.ENGINEERING COLLEGE, CHENNAI-600 077
(An Autonomous Institution Affiliated to Anna University)
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

MINUTES OF BOARD OF STUDIES MEETING

DATE: 02.03.2021

S.A.Engineering College, Chennai conducted the meeting of Board of Studies for UG in Department of Computer Science and Engineering as per the guidelines of UGC on 02.03.2021 at 1.30pm.

The Following Members were present at the Meeting:

S.NO	NAME & ADDRESS	DESIGNATION
1.	Dr.R.Geetha Professor/HoD S.A.Engineering College	Chairperson
2.	Dr.R.Anitha Professor/CSE Sri Venkateshwara College of Engineering (Affiliated to Anna University) Chennai	University Nominee
3.	Dr. Rajeswari Sridhar Associate Professor-HoD/CSE National Institute of Technology, Trichy	Subject Expert
4.	Dr.V.Masilamani Associate Professor /CSE IIITDM, Vandalur-Kelambakkam Road, Chennai -600127	Subject Expert
5.	Mr.Umashankar Nedunchezian CTO, 1Cloud Hub Chennai- 600015	Representative from Industry
6.	Mr.B.R.Sri Kiran Jyothi Senior Product Manager, PayPal India Pvt Ltd,Chennai	Alumnus
7.	Dr.S.Veena (Data Science)	Professor
8.	Dr. K. Dinakaran (DataWare house and DataMining)	Professor
9.	Dr.G.Jayanthi (Computer Networks)	Professor
10.	Dr. M. Preetha (Cryptography & Network Security)	Associate Professor
11.	Mr.C.Balakrishnan (Machine Learning)	Associate Professor
12.	Mr.A.Mani (Internet Programming)	Associate Professor
13.	Mrs.N.S.Usha (OOAD)	Associate Professor

14.	Mrs. D. Vinodha (Theory of Computation)	Associate Professor
15.	Mr.M.Balasubramanian (Database management systems)	Associate Professor
16.	Mr.S.Muthukumarasamy (Mobile Computing)	Associate Professor
17.	Mrs.V. Saraswathi (SOA)	Assistant Professor
18.	Mr.S.Prabhu (Network Security)	Assistant Professor
19.	Ms.K.Ramyadevi (Computer Graphics)	Assistant Professor
20.	Mrs.S.Sajini (OOPS)	Assistant Professor
21.	Mrs.M.Renuka Devi (Python Programming)	Assistant Professor
22.	Mrs.L.Sudha (Data Structures)	Assistant Professor
23.	Mrs.K.Elavarasi (Artificial Intelligence)	Assistant Professor
24.	Mrs.J.Sangeetha (Computer Networks)	Assistant Professor
25.	Mrs.V.Sureka (Design and Analysis of Algorithms)	Assistant Professor
26.	Mrs.S.Jonisha (Software Engineering)	Assistant Professor
27.	Mrs. K.B.Aruna (Computer Architecture)	Assistant Professor
28.	Mrs.Jayanthi.K (Artificial Intelligence)	Assistant Professor
29.	Mrs.N.R.G.Sreevani (Advanced Datastructures)	Assistant Professor
30.	Mr.V.Kaliraj (Distributed Systems & Cloud Computing)	Assistant Professor
31.	Mrs.T.Thilagam (Compiler Design)	Assistant Professor
32.	Mr. G.Muthugurunathan (Programming in C)	Assistant Professor
33.	Mrs. S. N. Ananthi (Software Testing)	Assistant Professor
34.	Mrs. T. Padmavathy (Operating Systems)	Assistant Professor
35.	Mrs.B.Cynthia Sherin (BigData Analytics)	Assistant Professor
36.	Ms.A.K.Suntheya (Multicore Architecture & Programming)	Assistant Professor

- The Chairperson Dr.R.Geetha, Board of Studies in Department of Computer Science and Engineering welcomed the Members of Studies.
- The Meeting proceeded to the matters in Agenda:

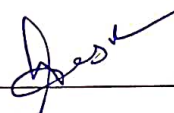
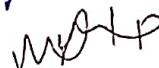


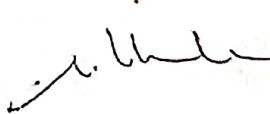





S.NO	POINTS DISCUSSED & DESCRIPTION
1.	Data Structures <ul style="list-style-type: none"> • Unit I,II – No change in the topics • ‘Priority Queue’ to be shifted from Unit II to Unit III • Unit III- ‘Applications of Trees’ can be replaced by ‘Expressions’ • Unit IV - title can be specified as Graphs and Hashing, Prims, Kruskal and Dijkstra algorithm to be removed. • Unit V - title can be specified as Searching and Sorting. Heap Sort can be added • Complexity measures can be added at the basic level.
2.	Data Structures Lab <ul style="list-style-type: none"> • Priority Queue, Heap sort to be included • Exercise 8(Prims, Kruskal), 9(Dijkstra) to be removed
3.	Software Engineering <ul style="list-style-type: none"> • Unit I – Agility can be condensed • Unit II,III – No Change • Unit IV – Suggested to add Case studies • Can use tools and then give assignments to get familiar with Software Testing
4.	Computer Architecture <ul style="list-style-type: none"> • Unit I – No change • Unit II – Don’t remove ‘sub word parallelism’, Include ‘Data representation’ • Unit IV – Parallelism should be given more importance, so follow Anna University syllabus • Unit V – Edge devices to be included
5.	Design and Analysis of algorithms <ul style="list-style-type: none"> • Unit I – Don’t remove Visualization. Instead it can be explained by showing the algorithms visually using Virtual Lab • Unit II – Remove Exhaustive search and Convex Hull, Analysis can be added • Unit III - Optimal Binary Search Trees and Optimal Merge Pattern can be removed, Put 0/1 Knapsack problem under Greedy Technique • Unit IV – Title should be Backtracking, Branch & Bound as it is moved from Unit V • Unit V – Title to be changed to ‘Tractability and Solvability’, More weightage to be given for NP Hard problems, Include unsolvable problems or Halting problems, Specific problems can be given for P,NP,NP-complete and NP-Hard topics
6.	Design and Analysis of algorithms lab <ul style="list-style-type: none"> • Include Prim’s and Dijkstra’s algorithm • When requested to include DAA placement questions, it is approved to include the same but to consider it as an Assessment for the better outcome by the students



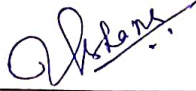
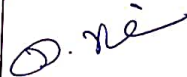
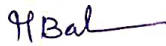


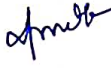






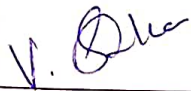


7.	<p>Object Oriented Analysis and Design</p> <ul style="list-style-type: none"> • Lab programs to be included in Theory syllabus as there is no exclusive Lab
8.	<p>Data Structures and Algorithms</p> <ul style="list-style-type: none"> • All the topics of all the Units are approved and there is No Change
9.	<p>General</p> <ul style="list-style-type: none"> • Mini Projects should be mandatory for all Professional core subjects or Non Lab theory subjects • Programming Assignments can be given for all Professional core subjects • Placement – suggested to give Placement Training during 5th semester vacation so that they can be ready to face in 6th semester • The total credit(185) for UG to be finalized only after consulting with Anna University through COE • Assign credit of 3, 2 if the subject is Theory and Lab are separate • Assign Credit of 4 if Theory and lab are combined • When asked for suggestion regarding NPTEL Course, 1 core can be assigned as NPTEL course and the weight age is 80%, which can be kept in 3rd, 5th, 7th semester. The 12 week course can be given a credit of 3. • When asked to include Online courses, given a suggestion to contact a Department Consultative Committee to have an online course but Assessment to be done by the College • The course credits can be given as 2 for 30 hours and 3 for 45 hours and to finalize the Total credits accordingly.

CERTIFICATE

The UG/PG Syllabus of the Department of Computer Science and Engineering, S.A.Engineering College (Autonomous), Chennai for 2020-2021 admission onwards, has been ratified by the Board of Studies of Computer Science and Engineering which met on 02.03.2021 at 1.30 pm.

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36.	Ms.A.K.Suntheya (Multicore Architecture & Programming)	Assistant Professor	<i>Suntheya A.K.</i>