

Sri Venkateswara College of Engineering

(An Autonomous Institution, Affiliated to Anna University, Chennai)

Sriperumbudur Tk, Kancheepuram Dt, Tamilnadu, India - 602117

Department of Computer Science and Engineering

21.09.2021

SVCE/CSE & IT//BOS MIN/2021-22/01

Minutes of Meeting of Board of Studies for Faculty of Computer Science and Engineering and Faculty of Information Technology held on 17.09.2021

Members present for the meeting:

The Thirteenth Board of Studies for the Faculty of Computer Science and Engineering and Faculty of Information Technology was held on 17.09.2021 at 9:30AM in online mode. The list of members attended the meeting are attached.

Gmeet: meet.google.com/zud-hkzf-epb

Members present for the meeting:

S. No	Member	Designation
1.	Dr. R.Anitha <i>Chairman Faculty of CS & IT</i>	Professor & Head Department of Computer Science and Engineering, Sri Venkateswara College of Engineering, Sriperumbudur Tk – 602 117 Mobile : 9952337212 hodcs@svce.ac.in
2.	Dr. V. Vidhya <i>Professor & Head, INT</i>	Professor & Head Department of Information Technology, Sri Venkateswara College of Engineering, Pennalur, Sriperumbudur Tk - 602 117 Mobile: 7339462720 hodit@svce.ac.in

3.	Dr. V. Masilamani <i>Expert Member</i>	Associate Professor, Department of Computer Science Indian Institute of Information Technology Design & Manufacturing, Kancheepuram, Chennai - 600 127 Mobile : 9840260783 masila@iiitdm.ac.in
4.	Dr P.Golda Jeyasheeli <i>University Nominee</i>	Professor Department of Computer Science and Engineering Mepco Schlenk Engineering College, Sivakasi - 626005. Mobile : 8940925403 pgolda@mepcoeng.ac.in
5.	Mr.Srinivasan Thanukrishnan <i>Industry expert - Special Invitee- AI & DS</i>	Founder & CEO Glosys Technology Solutions Pvt. Ltd. No. 6/2, Ethiraj Street, Padmanabha Nagar, Choolaimedu, Chennai – 600 094 Mobile : 7305607686 tsrini1969@gmail.com
6	Dr A. Kannan <i>Special Invitee- AI & DS</i>	Senior Professor School of Computer Science and Engineering Vellore Institute of Technology, Vellore – 632014 Mobile : 9444231185 akannan123@gmail.com
7.	Dr Yogesh P <i>Expert Member</i>	Professor Department of Information Science and Technology Anna University-CEG Guindy – Chennai-Tamilnadu Contact: 044-22358827 yogesh@annauniv.edu
8.	Dr. Arivoli A <i>Distinguished PG Alumnus</i>	Assistant Professor (Senior) Department of Computational Intelligence School of Computer Science and Engineering VIT University, Vellore – 632014 Mobile : 9486704045, arivoli.a@vit.ac.in

9.	<p>Mr. N Hari Kumar Industry Expert</p>	<p>Senior Researcher Ericsson Research Lab Pvt Ltd. 8th Floor, Block C, SP Info City 40, MGR Salai, Kandanchavadi, Perungudi, Chennai 600096 Mobile : 9790998573 n.hari.kumar@ericsson.com</p>
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Dr. R Anitha, Chairman-BoS & HOD/CSE welcomed all the Board of Studies members and other faculty members for the meeting. Dr Anitha welcomed the special invitees, Dr. A Kannan, Senior Professor, VIT Vellore and Mr. T Srinivasan, CEO, Glosys Technologies, Chennai for the program Artificial Intelligence & Data Science.

Dr. R Anitha, informed that the agenda of the BoS meeting is to get the approval of Twelfth Board of studies meeting from the members of Board of Studies, with all amendments incorporated, to finalize the syllabus of B.Tech - Artificial Intelligence and Data Science for 5th, 6th, 7th and 8th semesters including the professional electives, and to get the approval of I and II semester curriculum and Syllabus for Regulation 2022 for both UG (BE-CSE, B.Tech AI & DS, B.Tech – IT),and PG M.E-CSE(Networks), M.E(CFS).

Agenda:

1. To get the approval for Curriculum and the syllabus of I & II semester B.E - CSE(Regulation 2022), B.Tech-IT (Regulation 2022).
2. To get the approval for Curriculum and the syllabus of I & II semester B.Tech-AI &DS (Regulation 2022)
3. To get the approval for Curriculum and the syllabus of I & II semester M.E(Computer Science and Engineering) –Regulation 2022.
4. To get the approval for the syllabus B.Tech (Artificial Intelligence and Data Science) – Regulation 2018 and suggestion on the syllabus of Semester [5,6,7 & 8].
5. To get the approval for Curriculum and Syllabus M.E - Computer Science and Engineering (Networks) – Regulation 2022 and suggestions on M.Tech (Cyber Forensics and Information Security).

B.E - Computer Science and Engineering (Regulation 2022)

The curriculum and the syllabus for 1st and 2nd semester B.E(CSE) are discussed and the following suggestions are received from the BoS members.

- a. Dr. A.Kannan informed that curriculum of all 8 semester shall be shown to ensure the flow of courses. Chairman said that it will be shown in next Board of Studies meeting.
- b. Dr. Yogesh and Dr.A.Kannan has suggested that the course “**Engineering Chemistry 1**” should be offered as an integrated course for theory and laboratory in the 1st semester.
- c. Dr. A. Kannan suggested that for Object Oriented Programming laboratory atleast one application based Mini Projects to be included as a part of mandatory exercises.
- d. Dr. A. Kannan also suggested that recent editions should be included as a text book and also as reference book.

B.Tech - Artificial Intelligence and Data Science (Regulation 2022)

The curriculum and the syllabus for 1st and 2nd semester B.Tech (AI &DS) under Regulation 22 are discussed and the following suggestions are received from the BoS members.

- e. Dr. Yogesh and Dr.A.Kannan has suggested that the course “**Engineering Chemistry 1**” should be offered as an integrated course for theory and laboratory in the 1st semester.
- f. Dr. Kannan, Dr.Golda and Dr. Masilamani Suggested that Linear and Discrete mathematics along with Algebra can be incorporated in the curriculum in any of upcoming semesters and ensure it as mandatory course.
- g. As Java is introduced in 2nd semester, BoS members put forwarded that Python should be offered either as value added course or as part of any other core course. Chairman informed that the Python programming is offered as a Value Added Course.

M.E(Computer Science and Engineering) –Regulation 2022:

- a. Dr. Anitha R, BoS Chairman/HOD/CSE proposed the draft Curriculum for Post Graduate Regulation 2022 for the course M.E. – Computer Science and Engineering and shared the list of Professional Electives introduced as buckets within which the few groups of selective courses grouped under one bucket.
- b. Dr.A.Kannan suggested that the course “**Cloud Computing in Semester_01**” shall be offered as “**Distributed Systems and Cloud Computing**”.

- c. Dr. A.Kannan put forwarded that Professional Electives listed as buckets and grouping of subjects within their Elective buckets must ensure with the relevant courses while grouping.
- d. Dr.A.Kannan and Dr.Masilamani has suggested that the course “**Professional Elective IV- Multimedia & Analytics**” shall be offered as “**Database Concepts**” and courses including advanced databases shall be included in the bucket.
- e. Dr.A.Kannan and Dr. V Masilamani has suggested that the course “**Professional Elective V- Language processing**” shall be given as “**Computing Technologies**”.

B.Tech (Artificial Intelligence and Data Science) – Regulation 2018 Suggestions on Syllabus of Semester [5,6,7 & 8]

The Syllabus for the Semesters [5,6,7 & 8] are presented and shared with the BoS members by the chairman of BoS, Dr. Anitha R. She informed that all the changes have been carried out based on the inputs and suggestions received from all the BoS members during the 12th BoS meeting.

Semester 05:

- a. Dr. Anitha R ensured the syllabus change on “**Automata and Compiler design**” offered as Twin course as suggested by BoS members and revised syllabus is shared with the BoS members.
- b. Dr. Kannan Suggested to move the concepts of “**LEX & YAAC**” from the theory to move them offering “**LEX & YAAC**” as Laboratory component.

Semester 06:

- c. Dr. Golda Jeyasheeli suggested that in the course “**Natural Language Processing**” few applications of NLP shall be incorporated in **Unit_05**.
- d. In the Course “**Computer Vision and Natural Language Processing Laboratory**” being **Text Processing and Text classification** as one of the exercises, to ensure that **Classifications, Mining of Text** is offered under any of the theory course as mandatory/core courses in current or earlier semesters to be offered.
- e. All BoS members suggested that “**Data mining and Data warehouse**” to include as mandatory/core component for data science and shall move the **Health Care Analytics** to **Elective**.
- f. Mr. Srinivasan Thanukrishnan listed below suggestion as the current scope of Industrial needs,

1. To incorporate the “Emerging-AI Tools: **google dialoflow, amazon lex. facebook wit.ai** in “**Explainable AI**” course in Unit 5
2. To incorporate the following tools in “Bitcoin and Blockchain Technology” course “**Future Block chain technologies tools**” in Unit 5 “**Etherium and Hyperledger**”.
3. To include “**Deep Reinforcement Learning algorithms**” in unit 5 under “**Reinforcement Learning**” course.

B.Tech - Information Technology

The curriculum and the syllabus for 1st and 2nd semester B.Tech IT are discussed and the following suggestions are received from the BoS members.

- a. Dr. A.Kannan opined that curriculum of all 8 semester and syllabus of two semesters should be shown to ensure the flow of courses. HoD/INT said that it will be shown in next Board of Studies meeting
- b. Dr. Yogesh and Dr.A Kannan has suggested that the course “**Engineering Chemistry 1**” should be offered as an integrated course in the 1st semester.
- c. As Java is introduced in 2nd semester, python should be offered either as value added course or as part of any other core course.

M.E - Computer Science and Engineering (Networks)

HoD/INT stated that M.E(Computer Science and Engineering (Networks)) is being offered in the Department of Information Technology since 2013. She presented curriculum of M.E CSN under R2022 and the following comments were suggested.

- a. BoS members suggested to introduce the course "operating system and virtualization" instead of the course internetworking.
- b. They also suggested to introduce the courses "Cloud Infrastructure" and "Advanced Databases".
- c. They also suggested to change the course "Network security" to "Network security and applied cryptography".
- d. BoS members has suggested to move the courses "Machine Learning Techniques" and "Graph Theory " to electives.

- e. Dr.Yogesh suggested to incorporate advanced topics in the course "Network engineering" and "Network design".
- f. They also insisted to provide latest edition books as reference books.
- g. The BoS members have recommended ensuring not overlapping the syllabus more than 10% while compounding two core subjects being offered.

M.Tech (Cyber Forensics and Information Security)

HoD/INT stated that M.Tech (Cyber Forensics and Information Security) is being offered in the Department of Information Technology from 2021-22 academic year onwards. She informed that the curriculum and syllabus which was recently approved by the BoS members will be followed in R2022. The BoS members also agreed.

Suggestion on Computer programming for practices

HoD/INT stated that Computer programming for practices is offered to AE/BT/CV/CH/ME students. She presented the syllabus and informed that it is a lab integrated course. Ms. P. Golda Jeyasheeli suggested to include the topic "Number Systems" in Unit I.

Suggestion on Computer Applications and PYTHON Programming

HoD/INT stated that Computer Applications and Python Programming is offered to First Semester Marine Engineering students. She presented the syllabus and informed that it is a lab integrated course. The BoS members suggested to include case studies related to marine application in Unit - V.

Resolutions:

- It was resolved to incorporate the suggestions given by BoS members towards the curriculum and syllabus of I & II semester B.E(CSE), B.Tech (AI&DS), B.Tech(INT), M.E (CSE), M.E (CSE - Networks) and M.E (CFS) under Regulation 2022
- It was resolved to incorporate the suggestions given by the BoS members on the Syllabus of B.Tech (AI&DS) for Semesters [5, 6, 7, 8 & professional electives]
- It was resolved to include recent Edition of Text books and Reference books



Chairman-BOS Faculty /HOD-CSE

Dr. Anitha R