National Engineering College, K.R.Nagar, Kovilpatti – 628 503
(An Autonomous Institution - Affiliated to Anna University, Chennai)
<u>www.nec.edu.in</u>

Department of Computer Science and Engineering

MINUTES of 19th Meeting of the Board of Studies held on 24th June, 2023 at 10.00 AM

Venue: Alumni Chamber, National Engineering College
K.R.Nagar, Kovilpatti – 628 503

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19th Board of Studies Meeting in the Department of
Computer Science and Engineering

Venue: Alumni Chamber, National Engineering College

K.R.Nagar, Kovilpatti – 628 503

Date & Time: 24.06.2023 & 10.00 AM

Agenda

BoS / CSE 19.1	:	Confirmation of the Minutes of the 18th meeting of Board of studies in the department of Computer Science and Engineering held on 24th December 2022 and Action taken report of 18th meeting of Board of studies .
BoS / CSE 19.2	:	Business brought forward by the Chairman, Board of studies 19.2.1. Curriculum of B.E.CSE programme under R-2023. 19.2.2. Approval of syllabi for first semester courses of B.E.CSE programme under R-2023. 19.2.3. Curriculum of M.E.CSE programme under R-2023. 19.2.4. Approval of syllabi for first semester courses of M.E.CSE programme under R-2023 19.2.5 Approval of an additional two credit elective course of B.E.CSE programme under R-2019. 19.2.6 To confirm the minutes of the 30th Standing Committee Meeting held on 06.06.2023
BoS / CSE 19.3	:	Any other items.
BoS / CSE 19.4	:	Suggestions given by the BoS Members

F. No. 1-1/NEC/CSE

24th June, 2023

Dear Sir,

Sub: *Minutes of the 19th Meeting of the Board of studies in the Computer Science and Engineering -Reg.*

Kindly find attached herewith the Minutes of the 19th Meeting of Board of studies of the Computer Science and Engineering of the National Engineering College, K.R.Nagar, Kovilpatti – 628 503 held on 24th June 2023 at 10.00 AM in the Alumni Chamber of National Engineering college. Hard copy of the Minutes is also being sent to you by speed post.

It is requested that comments on the Minutes, if any, may please be sent by email at hodcse@nec.edu.in or by post, at the earliest. If no comments are received, within ten days, the minutes shall be taken as confirmed.

Yours Sincerely

Dr.V.Gomathi

Department of Computer Science and Engineering

MINUTES OF THE MEETING

The 19th Meeting of the Board of studies of the Computer Science and Engineering was held on 24th June, 2023 at 10.00 AM in the Alumni Chamber of National Engineering College.

The following members were present in the alumni chamber

1.	**Dr.V.Gomathi** Professor & Head	Chairman
2.	Dr.D.Manimegalai, Professor & COE	Internal BoS members
3.	Dr.K.Mohaideen Pitchai, Professor	
4.	Dr.S.Kalaiselvi, Associate Professor	
5.	Dr.J.Naskath, Associate Professor	
6.	Dr.R.Rajakumari, Assistant Professor (SG)	
7.	Mr.D.Vijayakumar, Assistant Professor (SG)	
8.	Dr.G.Sivakamasundari, Assistant Professor (SG)	
9.	Dr.B.Shunmugapriya, Assistant Professor (SG)	
10.	Dr.S.Dheenathayalan, Assistant Professor (SG)	
11.	Dr.M.Syed Rabiya, Assistant Professor	
12.	Dr.J.Ida Christy, Assistant Professor	
13.	Ms.D.Thamarai Selvi, Assistant Professor	
14.	Ms.R.Vazhan Arul Santhiya, Assistant Professor	
15.	Dr.G.Madhupriya Associate Professor, Dept. of Computer Science and Engineering Thiagarajar College of Engineering, Madurai.	Anna University Nominee
Experts attended the Meeting		
16.	Dr.V.Masilamani, Associate Professor & Head, Dept. of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram.	Academic Experts
17.	Dr.C.Mala, Professor, Dept. of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli.	

18.	Dr.B.Surendiran, Associate Professor, Dept. of Computer Science and Engineering, National Institute of Technology, Puducherry.	Academic Expert
19.	Mr.Roy Antony Arnold, Senior Consultant, Infosys Limited, Chennai	Industrial Expert
20.	Ms.G.Maria Justin Mary Lead S/W Engineer, Lowe's India, Bengaluru.	Alumni and Industrial Experts
21.	Mr.S.Manikandan Product Lead Engineer, Zoho Corporation, Tirunelveli	
22.	Mr.K.Mohamed Hanifa, III year CSE	Student Members Nominated by the HOD
23.	Ms.K.Bhavani, III year CSE	

Dr.C.Krishna Mohan, Professor, Dept. of Computer Science and Engineering, Indian Institute of Technology Hyderabad, Hyderabad, Mr.S.Pugazhenthi, Program Analyst, Cognizant Technology Solutions Corp., Chennai, Mr.Muruganantham Madan Veluchamy, Delivery Head, Tata Consultancy Services, Chennai and Mr.Arun Rajkumar, Co-Founder & CTO, Atoa Payment, Bengaluru could not attend the meeting due to their prior commitments and unavoidable reasons and were granted leave of absence.

BoS / CSE 19.1	:	TO CONFIRM THE MINUTES OF 18th BOS MEETING HELD ON 24th DECEMBER , 2022 The minutes of the **18th Board of Studies meeting** held on 24th December 2022 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 18th Academic council. ➤ **Action Taken Report** (Enclosed in Annexure I)

BoS/CSE 19.2.1	:	**TO CONFIRM** AND APPROVE OF curriculum of B.E.CSE programme under R-2023. **RESOLVED TO** approval of curriculum of B.E.CSE programme under R-2023.
BoS/ CSE 19.2.2	:	**TO CONFIRM** AND APPROVE OF syllabi for first semester courses of B.E.CSE programme under R-2023. **RESOLVED TO** approval of syllabi for first semester courses of B.E.CSE programme under R-2023.
BoS/ CSE 19.2.3	:	**TO CONFIRM** AND APPROVE OF curriculum of M.E.CSE programme under R-2023. **RESOLVED TO** approval of curriculum of M.E.CSE programme under R-2023.
BoS/ CSE 19.2.4	:	**TO CONFIRM** AND APPROVE OF syllabi for first semester courses of M.E.CSE programme under R-2023. **RESOLVED TO** approval of syllabi for first semester courses of M.E.CSE programme under R-2023.
BoS/ CSE 19.2.5	:	**TO CONFIRM** AND APPROVE OF an additional two credit elective course of B.E.CSE programme under R-2019. **RESOLVED TO** approval of an additional two credit elective course of B.E.CSE programme under R-2019.
BoS/ CSE 19.2.6	:	**TO CONFIRM** AND APPROVE the minutes of the 30th Standing Committee Meeting held on 06.06.2023 **RESOLVED TO** confirm the minutes of the 30th Standing Committee Meeting held on 06.06.2023

BoS/CSE 19.3	:	**ANY OTHER ITEMS, IF ANY, WITH THE PERMISSION OF THE CHAIRMAN OF THE BOS** On the whole, this new initiative was very much appreciated by all members. The challenges faced by the students (if any) should be periodically discussed with them. They also congratulated the faculty members for their team efforts towards framing curriculum structure of new regulations 2023.
BoS / CSE 19.4	:	**SUGGESTIONS GIVEN BY THE BOS MEMBERS**
19.4.1	:	For curriculum of B.E.CSE programme under R-2023 and syllabi for first semester courses of B.E.CSE programme under R-2023,
19.4.1.1	:	Suggested to rename 'C Programming' course as 'Problem Solving using C' by focusing on problem solving techniques with C.
19.4.1.2	:	Recommended to offer two separate courses as 'Computer Organization' and 'Digital Principles and System Design' instead of 'Digital Principles and Computer Organization'.
19.4.1.3	:	Data Structures may be offered in 3rd semester (instead of 4th Sem) using C/C++ instead of Java.
19.4.1.4	:	Lateral Entry students may be offered with some bridge courses in 'OO Programming using C++'.
19.4.1.5	:	The courses 'Java Programming' and 'Database Management System' to be offered in 4th semester.
19.4.1.6	:	Increase laboratory hours for few placement related core courses.
19.4.1.7	:	'Design and Analysis of Algorithms' may be offered as integrated theory and laboratory course.
19.4.1.8	:	'Devops and Agile Methodologies' course may be shifted to 5th semester.

19.4.1.9	:	'Python Programming' as self-learning course from NPTEL in 2nd Semester is appreciated by the members.
19.4.1.10	:	'Project Management and Finance' course may be shifted to later semester before Project work, instead of 3rd semester.
19.4.1.11	:	'Linear Algebra' to be provided as a Core Mathematical course.
19.4.1.12	:	Laboratory component may be introduced in 'Artificial Intelligence' course to practice AI Tools.
19.4.1.13	:	Suggested to change the 'Automata Theory and Computability' course as 'Automata Theory and Formal Languages'.
19.4.1.14	:	Suggested to include Tutorial component in 'Object Oriented Analysis and Design' Course, to enrich design skills.
19.4.1.15	:	'Toastmaster club' may be established in college to remove stage fear of students and to improve students' soft skills.
19.4.1.16	:	The internship duration, credit and the evaluation criteria for doing internship should be included in the regulation.
19.4.1.17	:	As per NEP 2020, 'Mini Project' may be moved to 6th semester.
19.4.2	:	For curriculum of M.E.CSE programme under R-2023 and syllabi for first semester courses of M.E.CSE programme under R-2023,
19.4.2.1	:	'Advanced Database Technology' course is recommended to be offered as Core instead of Elective
19.4.2.2	:	Text books to be mentioned for courses
19.4.2.3	:	'Active Learning Techniques', 'OBE practices' and Accreditation process may be offered as Audit course.

The members had a brainstorming discussion and interaction among themselves. After discussion, fruitful suggestions were incorporated appropriately in the Curriculum and the Syllabi of R-2023

Based on the suggestions given by the members, BOS resolved to recommend the following to the Academic Council for further approval.

    a. Curriculum of B.E.CSE programme under R-2023.

    b. Approval of syllabi for first semester courses of B.E.CSE programme under R-2023.
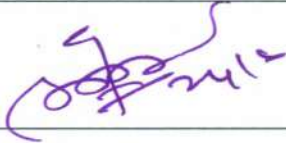
c. Curriculum of M.E.CSE programme under R-2023.

d. Approval of syllabi for first semester courses of M.E.CSE programme under R-2023.

e. Approval of an additional two credit elective course on "19CS51E - Statistical Foundations of Machine Learning" of B.E.CSE programme under R-2019.

f. To confirm the minutes of the 30th Standing Committee Meeting held on 06.06.2023

Dr.J.Naskath, Associate Professor, thanked all the members for their valuable suggestions and cooperation and the meeting came to an end.

Members Present

Internal BoS Members	
Dr.D.Manimegalai, Professor & COE	D.M 24/06/23
Dr.K.Mohaideen Pitchai, Professor	24/6/23.
Dr.S.Kalaiselvi, Associate Professor	24/6/23
Dr.J.Naskath, Associate Professor	24/6/23
Dr.R.Rajakumari, Assistant Professor (SG)	24/6/2023
Mr.D.Vijayakumar, Assistant Professor (SG)	
Dr.G.Sivakamasundari, Assistant Professor (SG)	R.Sivakamasund 24/6/23
Dr.B.Shunmugapriya, Assistant Professor (SG)	24/6/2023
Dr.S.Dheenathayalan, Assistant Professor (SG)	S.Dhm 24.6.23
Dr.M.Syed Rabiya, Assistant Professor	24/06/2023
Dr.J.Ida Christy, Assistant Professor	24/6/23
Ms.D.Thamarai Selvi, Assistant Professor	24/6/23
Ms.R.Vazhan Arul Santhiya, Assistant Professor	24/06/2023
Mr.K.Mohamed Hanifa, III year CSE	K.Mohamed Hanifa /24.06/23
Ms.K.Bhavani, III year CSE	Bhavani-K

Members Present:

Dr.V.Gomathi, Prof & Head, Board Chairman, Dept. of CSE	_signature_ 24/6/23
Dr.K.G.Srinivasagan, Prof & Head, Board Chairman, Dept. of IT	_signature_ 24/12
Dr.V.Kalaivani, Prof & Head, Board Chairman, Dept. of AI&DS	V.Kal... 24/6/23
University Nominee	
Dr.G.Madhupriya, Associate Professor, Department of Computer Science & Engineering, Thiagarajar College of Engineering, Madurai	G. Madhupriya 24/6/23
Academicians	
Dr.V.Masilamani, Associate Professor and Head, Department of Computer Science and Engineering, Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram	V. _signature_ 24/6/23
Dr. C.Mala, Professor, Department of Computer Science and Engineering, National Institute of Technology, Tiruchirappalli	_signature_ 24/6/23
Dr.B.Surendiran, Associate Professor, Department of Computer Science and Engineering, National Institute of Technology, Puducherry	_signature_ 24/6/2023
Dr.B.L.Velammal, Associate Professor, Department of Computer Science and Engineering, Anna University, Chennai	_signature_ 24/6/2023
Industrial Experts	
Mr. Sudeesh Sankaravel, Associate Fellow – Data Science Verizon, Chennai	_signature_ 24/06

Mr.K.Sujeeth Senior Technical Lead- Data Analyst Mercedes Benz R&D India, Brigate Tech Gargen, Kundanahalli, Bangalore	*K.Sujuh.*
Mr.Roy Antony Arnold, Senior Consultant Infosys Limited, Chennai	*24/6/23*
Mr. M.Ramkesh Senior consultant – Infrastructure Management(Storage Administration and Data center Operations) Infosys Limited, Bangalore	*M. R___ (24/06/23)*
Dr.K.M.Suceendran, *Senior* General Manager, *Head–Academic Alliances* Tata Consultancy Services, Chennai	*Ansuceend*
Alumni Experts	
Ms.G.Maria Justin Mary, Lead Engineer, Lowe's Services India Pvt Ltd, Bengaluru	*29/06/23*
Mr.S.Manikandan Product Lead Engineer, Zoho Corporation, Tirunelveli	*S.___ 24/06/23*
Dr.S.Venkada Prasad, Project Manager, Tata Consultancy Services, Chennai	*5. ___ 24/06/23*
Ms.Mejari C Module Lead Mphasis, Bangalore	*24/06/23*
Special Invitees	
Dr. Shajulin Benedict, Associate Professor, Department of Computer Science & Engineering IIIT- Kottayam	*24/6/23*
Mr.Sethuraman Thangavelu, Senior Manager, VVDN Technologies, Chennai	*24/6/2023*

Action Taken Report for Minutes of 18th BOS

As per BOS committee suggestions,

1. New course on Statistical Analysis (19CS50E) was designed and included in AI & ML as a foundation course on basic mathematical concepts.

2. In Visual Effects (19CS46E) course, new topics were added as per the suggestion given by BoS members.

3. In Metaverse Development (19CS49E) Course, content revised in Unit IV and Unit V.

24/6/23

CHAIRMAN

BOARD OF STUDIES