Department of Computer Science and Engineering

MINUTES of 18th Meeting of the Board of Studies held on
24thDecember, 2022 at 10.00 AM

Venue: CSE seminar Hall, National Engineering College
K.R.Nagar, Kovilpatti – 628 503

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

18th Board of Studies Meeting in the Department of
Computer Science and Engineering

Venue: CSE Seminar Hall, National Engineering College

K.R.Nagar, Kovilpatti – 628 503

Date & Time: 24.12.2022 & 10.00 AM

Agenda

BoS / CSE 18.1	:	Welcome address and Opening Remarks by Chairman, Board of Studies in the department of Computer Science and Engineering
BoS / CSE 18.2	:	Confirmation of the Minutes of the 17th meeting of Board of studies in the department of Computer Science and Engineering held on 9th July 2022 and Action taken report of 17th meeting of Board of studies
BoS / CSE 18.3	:	Business brought forward by the Chairman, Board of studies

18.3.1. Verticals for awarding Honors, Honors with specialization and Minor degree

18.3.2. Approval of syllabi for additional Elective / One Credit courses for B.E.CSE programme under R-2019.

18.3.3. Approval of Verticals for Honors / Honors with Specialization (Artificial Intelligence & Machine Learning [AI&ML], Augmented Reality & Virtual Reality [AR &VR])

18.3.4. Approval of Verticals for Minor Degree in "Computational Programming"

18.3.5. To confirm the minutes of the 26th Standing Committee Meeting held on 22.08.2022

BoS / CSE 18.4	:	Any other items.
BoS / CSE 18.5	:	Suggestions given by the BoS Members

F. No. 1-1/NEC/CSE

24th December, 2022

Dear Sir,

Sub: *Minutes of the 18th Meeting of the Board of studies in the Computer Science and Engineering -Reg.*

Kindly find attached herewith the Minutes of the18th 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 December 2022 at 10.00 AM) in the CSE Seminar hall 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. With Kind Regards,

Yours Sincerely

Dr.V.Gomathi

Department of Computer Science and Engineering

MINUTES OF THE MEETING

The 18th Meeting of the Board of studies of the Computer Science and Engineering was held on 24th December, 2022 at 10.00 AM in the CSE Seminar Hall of National Engineering College.

The following are the Board of Studies members for CSE Board:

1.	**Dr.V.GOMATHI** Professor & Head	Chairman
2.	Dr.D.Manimegalai, Professor & COE	Internal BoS members
3.	Dr.K.MohaideenPitchai, Professor	
4.	Dr.S.Kalaiselvi, Associate Professor	
5.	Dr.J.Naskath, Assistant Professor (SG)	
6.	Dr.R.Rajakumari, Assistant Professor (SG)	
7.	Mr.D.Vijayakumar, Assistant Professor (SG)	
8.	Dr.G.Sivakamasundari, Assistant Professor (SG)	
9.	Dr.G.R.Hemalakshmi, Assistant Professor (SG)	
10.	Dr.B.Shunmugapriya, Assistant Professor (SG)	
11.	Ms.D.Thamarai Selvi, Assistant Professor	
12.	Dr. G.Madhupriya Associate Professor, Dept. of Computer Science and Engineering Thiagarajar College of Engineering, Madurai.	Anna university Nominee
13.	Dr.C.Mala, Professor, Dept. of Computer Science and Engineering, National Institute of Technology, Trichy,	Academic Experts
14.	Dr.C.Krishna Mohan, Professor & Head, Dept. of Computer Science and Engineering, Indian Institute of Technology Hyderabad, Hyderabad	
15.	Dr.G.R.Karpagam ,	

	Professor, Dept. of Computer Science and Engineering, PSG College of Technology, Coimbatore	
16.	Dr. G. Kousalya Professor & Head, Dept. of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore.	
17.	Mr.S.Maheswaran Engineering Manager & HBT Madurai Leader, Honeywell Technology Solutions, Madurai.	Industrial Experts
18.	Mr. V. Manikandaraman Digital Modernization Leader I Global Delivery Lead & Chief Architect, Cognizant Technology Solutions Corp, Chennai.	
19.	Mr.Srinivasan Rajendren , Service Delivery Manager, Tata Consultancy Services, Chennai	
20.	Mr.D.Siddharthan, Delivery manager, Wipro Technologies Pvt Ltd, Chennai	
21.	Mr.Roy Antony Arnold, Lead – Education and Research, Infosys Pvt Ltd, Chennai	
22.	Ms.G.Maria Justin Mary Lead S/W Engineer, Lowe's India, Bengaluru.	Alumni and Industrial Experts
23.	Mr. Kalyana Sundaram M, III year CSE.	Student Members Nominated by the HOD
24.	Ms. Keerthikasri G, III year CSE.	

The following Academic Expert Dr.C.Mala, Professor, Dept. of Computer Science and Engineering, National Institute of Technology, Trichy, Dr.C.Krishna Mohan, Professor & Head, Dept. of Computer Science and Engineering, Indian Institute of Technology Hyderabad, Hyderabad, Dr.G.R.Karpagam , Professor,Dept. of Computer Science and Engineering,PSG College of Technology, Coimbatore, and the industrial experts Mr.Srinivasan Rajendren ,Service Delivery Manager,Tata Consultancy Services,Chennai, Mr.D.Siddharthan, Delivery manager, Wipro Technologies Pvt Ltd, Chennai, Mr.Roy Antony Arnold, Lead – Education and Research,

Infosys Pvt Ltd, Chennai, could not attend the meeting due to their prior commitments and unavoidable reasons and were granted leave of absence.

BoS / CSE 18.1	:	WELCOME ADDRESS AND OPENING REMARKS BY CHAIRMAN, BOARD OF STUDIES IN THE DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
		The Chairman, BoS of the Computer Science and Engineering welcomed and introduced the members of 18th Board of Studies and thanked each one of them for sparing their valuable time to attend the meeting.
BoS / CSE 18.2	:	TO CONFIRM THE MINUTES OF 17th BOS MEETING HELD ON 9th JULY , 2022
		The minutes of the **17th Board of Studies meeting** held on 9th July 2022 were communicated to the members. The comments received have been incorporated and placed for confirmation. The same was approved by the 17th Academic council. ➤ **Action Taken Report** (Enclosed in Annexure I)
BoS/CSE 18.3.1	:	**TO CONFIRM** AND APPROVE OF Verticals for awarding Honors, Honors with specialization and Minor degree **RESOLVED TO** approve Verticals for awarding Honors, Honors with specialization and Minor degree
BoS/ CSE 18.3.2	:	**TO CONFIRM** AND APPROVE OF syllabi for additional Elective / One Credit courses for B.E.CSE programme under R-2019. **RESOLVED TO** Approval of syllabi for additional Elective / One Credit courses for B.E.CSE programme under R-2019.
BoS/ CSE 18.3.3	:	**TO CONFIRM** AND APPROVE OF Verticals for Honors / Honors with Specialization (Artificial Intelligence & Machine Learning [AI&ML],

		Augmented Reality & Virtual Reality [AR &VR])
		RESOLVED TO Approval of Verticals for Honors / Honors with Specialization (Artificial Intelligence & Machine Learning [AI&ML], Augmented Reality & Virtual Reality [AR &VR])
BoS/ CSE 18.3.4	:	**TO CONFIRM** AND APPROVE of Verticals for Minor Degree in "Computational Programming"
		RESOLVED TO Approval of Verticals for Minor Degree in "Computational Programming"
BoS/ CSE 18.3.5	:	**TO CONFIRM** AND APPROVE the minutes of the 26th Standing Committee Meeting held on 22.08.2022
		RESOLVED TO confirm the minutes of the 26th Standing Committee Meeting held on 22.08.2022
BoS/CSE 18.4	:	**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 continuing Education.
BoS / CSE 18.5	:	**SUGGESTIONS GIVEN BY THE BOS MEMBERS**
18.5.1	:	Bos members appreciated for introducing the hot-core vertical on "Augmented Reality & Vertical Reality", in addition to the popular Artificial Intelligence & Machine Learning" vertical.
18.5.2	:	Also, BoS members welcomed the Minor verticals on "Computational Programming" for the benefit of IT related Jobs for other Core Engineering branches.
18.5.3	:	In the regulation for awarding Honor / Minor degree, BoS members

		suggested the following points:
18.5.3.1		To conduct a short-term bridge course / value-added course / video-based tutorials with assessment, prior to enroll into the verticals.
18.5.3.2		To allow the interested and eligible students to register for Honors/Minor Degrees, without restricting the batch size.
18.5.3.3		If a particular student not able to attend the end semester exam due to medical emergency / critical family circumstances, that course may not be considered as an attempt.
18.5.4	:	For Artificial Intelligence & Machine Learning vertical,
18.5.4.1		Scripting language C# should be included as one credit course, which is the prerequisite for learning UNITY software.
18.5.4.2		In visual effects syllabus, include poster and banner design, watermarking and digital marketing.
18.5.4.3		Mixed reality course may be included in the curriculum along with the prerequisite courses such as cloud fundamentals and design in Azure platform.
18.5.4.4		BoS member, Mr.S.Maheswaran, Honeywell appreciated for offering "Metaverse Development", which is the crux of learning outcomes in AR & VR verticals.
18.5.5	:	BoS members advised that, faculty enablement with the required skill-sets for verticals, has to be ensured.
18.5.6		In R2019, introducing "Industry Practice" with 100% external valuation, as equivalent to Project Work is welcomed by the industrial experts. This would be helpful for industries in connecting the intern-students in high-confidential industrial projects during their 8th semester.

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

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

a. Verticals for awarding Honors, Honors with specialization and Minor degree.

b. Approval of syllabi for additional Elective / One Credit courses for B.E.CSE programme under R-2019.

c. Approval of Verticals for Honors / Honors with Specialization (Artificial Intelligence & Machine Learning [AI&ML], Augmented Reality & Virtual Reality [AR &VR])

d. Approval of Verticals for Minor Degree in "Computational Programming"

e. To confirm the minutes of the 26th Standing Committee Meeting held on 22.08.2022

Dr.B.Shunmugapriya, Assistant Professor (SG), thanked all the members for their valuable suggestions and cooperation and the meeting came to an end.

Members Present

Dr.V.Gomathi Chairman	
Internal Members	
Dr.D.Manimegalai, Professor & COE	
Dr.K.MohaideenPitchai, Professor	
Dr.S.Kalaiselvi, Associate Professor	
Dr.J.Naskath, Assistant Professor (SG)	
Dr.R.Rajakumari, Assistant Professor (SG)	
Mr.D.Vijayakumar, Assistant Professor (SG)	
Dr.G.Sivakamasundari, Assistant Professor (SG)	
Dr.G.R.Hemalakshmi, Assistant Professor (SG)	
Dr.B.Shunmugapriya, Assistant Professor (SG)	
Ms.D.Thamarai Selvi, Assistant Professor	

Experts attended the meeting
Anna University Nominee
Dr. G.Madhupriya Associate Professor, Dept. of Computer Science and Engineering Thiagarajar College of Engineering, Madurai.
Academic Experts
Dr. G. Kousalya Professor & Head, Dept. of Computer Science and Engineering, Coimbatore Institute of Technology, Coimbatore.
Industrial Experts
Mr.S.Maheswaran Engineering Manager & HBT Madurai Leader, Honeywell Technology Solutions, Madurai.
Mr. V. Manikandaraman Digital Modernization Leader I Global Delivery Lead & Chief Architect, Cognizant Technology Solutions Corp, Chennai.
Alumni
Mrs.G.Maria Justin Mary Lead S/W Engineer, Lowe's India, Bengaluru
Student Members Nominated by the HOD
Mr. Kalyana Sundaram M, III year CSE.
Ms. Keerthikasri G, III year CSE.

CHAIRMAN
BOARD OF STUDIES

Annexure I

Action Taken Report for Minutes of 17th BOS

As per BOS committee suggestions,

- 19CS30L - Microprocessor and Microcontroller to be offered in 3rd or 4th Sem

- Suggested corrections were incorporated in 19CS30E-Advanced Java Programming, 19CS29L-Full stack development (for B.E. CSE R-2019) and 19CT21C-Advanced Algorithms (for M.E. CSE R-2019).

CHAIRMAN

BOARD OF STUDIES