NANDHA ENGINEERING COLLEGE, ERODE – 638 052
(An Autonomous Institution, Affiliated to Anna University Chennai and Approved by AICTE New Delhi)

MINUTES OF THE 10th BOARD OF STUDIES MEETING

Name of the Body	Board of Studies
Name of the Board	Computer Science and Engineering
Meeting No.	10
Date & Time	06.08.2022, 10.30 AM
Venue	Board Room Nandha Engineering College (Autonomous) Erode – 638 052

NANDHA ENGINEERING COLLEGE, ERODE – 638 052
(An Autonomous Institution, Affiliated to Anna University Chennai and Approved by AICTE New Delhi)

Minutes of 10th Board of Studies Meeting (BoS) held on 06.08.2022

The 10th Board of Studies (BoS) meeting was held on 06.08.2022 by 10.30 AM in Board Room, Nandha Engineering College, Erode - 52. The members attended the meeting are given in **Annexure I**.

The Chairman of the BoS welcomed the members for the meeting. Then, the items listed below were taken for discussion.

AGENDA	
Item 10.01	Welcome address and Introduction of members.
Item 10.02	Review of the 9th BOS meeting minutes and ATR
Item 10.03	Review of the PAC and DAB meeting minutes & ATR
Item 10.04	Review of Institute Vision & Mission
Item 10.05	Review of Department Vision, Mission, PEOs and PSOs
Item 10.06	Review of Correlation between the Vision and Mission statement of Institute and Department, correlation between PEOs and POs.
Item 10.07	Review of Curriculum (R22) for B.E/B.Tech programme
Item 10.08	Review of 1st and 2nd semester syllabus for B.E/B.Tech programme with CO –PO/PSO Mapping
Item 10.09	Review on analysis of CO- PO/PSO mapping and attainment of R17 Curriculum.
Item 10.10	Review on Attainment target fixed for next batch.
Item 10.11	Review of Curriculum and syllabus (R22) for M.E programme with CO –PO/PSO Mapping.
Item 10.12	Review of R17 Ratification, if any.
Item 10.13	Review of inclusion of PSE courses in R17
Item 10.14	Review of one credit courses
Item 10.15	Review of Panel of Examiners
Item 10.16	Any other matter

The proceedings of BoS started and the minutes of the meeting are recorded as follows:

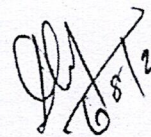| Item 10.01	Welcome address and Introduction of members.	
Discussion	Dr D. Vanathi, Chairman/BoS and Introduced the members of the Board of Studies	
Item 10.02	Review of the 9th BOS meeting minutes and ATR	
Discussion	Dr D. Vanathi, Chairman/BoS presented the 9th BOS meeting minutes and ATR	
Resolution	Resolved to Accept.	
Item 10.03	Review of the PAC and DAB meeting minutes & ATR	
Discussion	Dr D. Vanathi, Chairman/BoS presented the PAC and DAB meeting minutes & ATR	
Resolution	Resolved to Accept.	
Item 10.04	Review of Institute Vision & Mission	
Discussion	Dr. Jothi K R, suggested that the Vision of the Institute has to be much broader, hence needs to be reframed. Dr.KarthikaRenuka D, recommended to change "**To be** a learner centric environment . " in Mission of the Institute to "**To Provide** a learner centric environment.."	✓ Put forth Before SCAA ✓ Put forth Before SCAA
Resolution	It is resolved to submit the vision and mission statement to Academic Council for approval.	
Item 10.05	Review of Department Vision, Mission, PEOs and PSOs	
Discussion	• Dr. Jothi K R, suggested that the Vision of the Institute has to be much broader, hence needs to be reframed • Dr.Karthika Renuka D, recommended to remove "**higher studies**" in PEO3 and include "**Research in core competency**". • Mr.Elango, proposed to include "Research, entrepreneurship, Ethics" in PSO3	✓ Can be reframed ✓ Included ✓ Reframed

Resolution	Resolved to reframe and submit the same to Academic Council for approval.
Item 10.06	Review of Correlation between the Vision and Mission statement of Institute and Department, correlation between PEOs and POs.
Discussion	• The members suggested to check the correlation mapping between PEO and PSO ✓ Verified
Resolution	Resolved to reframe and submit the same to Academic Council for approval.
Item 10.07	Review of Curriculum (R22) for B.E/B.Tech programme

Discussion	**1st Semester** i. <u>C Programming</u> • Dr.Karthika Renuka D, said that Unit 1 in C Programming needs to be structured properly and also asked to verify the Text book and reference books for newer editions. ✓ Changed • Mr.Elango, recommended to include laboratory exercises for Problem Solving. ✓ Included **2nd Semester** i. <u>Python Programming (Circuit Branches)</u> • Dr. Jothi K R, suggested to include Array Concept and various essence of Python so that it would be useful while learning Data Science and Machine Learning. ✓ Included • Dr.Karthika Renuka D, recommended to include more topics in unit 4 and 5. ✓ Included ii. <u>Data Structures</u> • Dr. Jothi K R, asked to change List ADT in Unit 1 as it is repeated in next unit. ✓ Changed • Dr.Karthika Renuka D, recommended to have 10 exercises in Laboratory course by combining applications of List ADT ✓ Changed • Dr.Jayanthi.G ,suggested to ensure the recent edition of the text and reference books. ✓ Updated

Resolution	Resolved to submit the overall curriculum and syllabi for 1st and 2nd semesters before Academic Council for approval.
Item 10.08	Review of 1st and 2nd semester syllabus for B.E/B.Tech programme with CO –PO/PSO

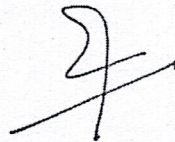|	Mapping	
Discussion	Dr.Karthika Renuka D and Dr. Jothi K R, recommended to map PO8 to all mini projects, Project Based Learning Courses and Project Phase I and II as to attain it	✓ Included
Resolution	Resolved to map as advised and put forth to Academic Council.	
Item 10.09	Review on analysis of CO- PO/PSO mapping and attainment of R17 Curriculum.	
Discussion	Dr D. Vanathi, Chairman/BoS presented Review on analysis of CO- PO/PSO mapping and attainment of R17 Curriculum	
Resolution	It is resolved to submit the analysis of CO- PO/PSO mapping and attainment of R17 Curriculum to Academic Council.	
Item 10.10	Review on Attainment target fixed for next batch.	
Discussion	Dr D. Vanathi, Chairman/BoS presented Review on Attainment target fixed for next batch	
Resolution	It is resolved to submit the Review on Attainment target fixed for next batch	
Item 10.11	Review of Curriculum and syllabus (R22) for M.E programme with CO –PO/PSO Mapping.	
Discussion	• Dr. Jothi K R, suggested to change the Unit 1 and 2 title in Advanced Data Structures Course	✓ Changed
	• Dr. Karthika Renuka D, recommended to offer Database Technology as a core course instead of Multicore Architecture. Besides the expert member opined that the later can be included in the Elective (PSE) List.	✓ Changed
	• Dr. Jothi K R, suggested to offer electives from second semester and recommended to swap elective in first semester with Machine learning.	✓ Swapped
Resolution	It is resolved to submit Curriculum and syllabus (R22) for M.E programme with CO –PO/PSO Mapping to Academic Council.	
Item 10.12	Review of R17 Ratification, if any.	

Discussion	Approved the R17 Ratification, and recommended to change "Web Services using Java" to "Web Services"
Resolution	It is resolved to modify and submit it to Academic Council for approval.
Item 10.13	Review of inclusion of PSE courses in R17
Discussion	Approved the list of PSE courses in R17
Item 10.14	Review of one credit courses
Discussion	Approved the list of one credit courses and recommended to ensure the inclusion of recent technologies
Resolution	Accept to ensure the inclusion.
Item 10.15	Review of Panel of Examiners
Discussion	Approved the list of examiners for QP Setting and Valuation
Item 10.16	Any other matter
Discussion	Nil

The BoS Chairman, thanked all the members for their active participation.

Date: 06.08.2022

CHAIRMAN, BoS/CSE

MINUTES OF THE 11th BOARD OF STUDIES MEETING

Name of the Body	Board of Studies
Name of the Board	Computer Science and Engineering
Meeting No.	11
Date & Time	19.05.2023, 10.00 AM
Venue	Board Room Nandha Engineering College (Autonomous) Erode – 638 052

Minutes of 11ᵗʰ Board of Studies Meeting (BoS) held on 19.05.2023

The 11ᵗʰ Board of Studies (BoS) meeting was held on 19.05.2023 by 10.00 AM in Board Room, Nandha Engineering College, Erode - 52. The members attended the meeting are given in **Annexure I.**

The Chairman of the BoS welcomed the members for the meeting. Then, the items listed below were taken for discussion.

AGENDA	
Item 11.01	Welcome address and Introduction of members.
Item 11.02	Review of the 10ᵗʰ BOS meeting minutes and ATR
Item 11.03	Review of the PAC and DAB meeting minutes
Item 11.04	Review of Institute Vision & Mission
Item 11.05	Review of Department Vision, Mission, PEOs and PSOs
Item 11.06	Review of Correlation between Vision and Mission statement of the Vision and Mission statement of the institute and Department, correlation between the department mission and PEOs.
Item 11.07	Review of Curriculum (R22) for B.E/ B.Tech programme
Item 11.08	Review of R22 ratification for 1st and 2nd semesters.
Item 11.09	Review of 3rd and 4th semester syllabi for B.E- CSE, B.E- CSE (CS) ,B.E- CSE (IoT) and service programs with CO-PO/PSO mapping
Item 11.10	Review on attainment of 2022 passed out students and target attainment fixed for next batch.
Item 11.11	Review of inclusion of Honor and Minor courses in R17.
Item 11.12	Review of one credit courses
Item 11.13	Review of Panel of Examiners
Item 11.14	Any other matter

The proceedings of BoS started and the minutes of the meeting are recorded as follows:

Item 11.01	Welcome address and Introduction of members.	
Discussion	Dr D. Vanathi, Chairman/BoS and Introduced the members of the Board of Studies	
Item 11 .02	Review of the 10th BOS meeting minutes and ATR	
Discussion	Dr D. Vanathi, Chairman/BoS presented the 11th BOS meeting minutes and ATR	
Resolution	Resolved to accept.	
Item 11.03	Review of the PAC and DAB meeting minutes & ATR	
Discussion	Dr D. Vanathi, Chairman/BoS presented the PAC and DAB meeting minutes & ATR	
Resolution	Resolved to accept.	
Item 11.04	Review of Institute Vision & Mission	
Discussion	Dr D. Vanathi, Chairman/BoS presented the Institute Vision & Mission	
Resolution	BoS Members appreciated the changes made in Institute Vision & Mission Statement.	
Item 11.05	Review of Department Vision, Mission, PEOs and PSOs	
Discussion	Dr D. Vanathi, Chairman/BoS presented Department Vision, Mission, PEOs and PSOs.	
Resolution	BoS Members accepted and noted.	
Item 11.06	Review of Correlation between the Vision and Mission statement of Institute and Department, correlation between PEOs and POs.	
Discussion	• The members suggested to check the correlation mapping between PEO and PSO	✔ Verified
Resolution	Resolved to accept and follow.	
Item 11.07	Review of Curriculum (R22) for B.E/B.Tech programme	
	3rd Semester **Fundamentals of Java Programming** • Mr. Santhosh Kumar A P, recommended to include Swing alone and modify the unit title instead of GUI Programming and Applet.	✔ Will be included and changed

Discussion	**Non Linear Data structures** • Dr.Karthika Renuka D, said that naming of course title has to be modified and recommended the title " Advanced Data Structures" • Mr.K.P.Elangovan, suggested to include additional concepts in Non Linear Data structures. **Operating System & Security - CSE(Cyber Security)** • Dr.Karthika Renuka D, suggested to emphasize the concepts in OS before getting into security concepts. • She also suggested to remove application of OS in Unit – I **4th Semester** **Artificial Intelligence & Machine Learning** • Dr. Jothi K R, suggested to reduce Unit -V: Neural Networks and include case studies **5th & 6th Semester** **Advanced Java Programming** • Dr.Karthika Renuka D, suggested to change the title of UNIT II as Database connectivity and to bring socket programming to UNIT I **CSE(Cyber Security)** • Dr.Karthika Renuka D, and Dr. Jothi K R Suggested to have case studies which includes tools for security in the 5th & 6th semesters.	✔ Will be modified ✔ Will be changed ✔ Will be emphasized and removed ✔ Will be reduced and included ✔ Will be changed ✔ Will be included
Resolution	Resolved to submit the overall curriculum and syllabi for 3rd and 4th semesters before Academic Council for approval.	
Item 11.08	Review of R22 ratification for 1st and 2nd semesters	
Discussion	**2nd Semester:** **C and Linear Data structures** • Dr.Karthika Renuka D, said that naming of course title has to be modified and recommended the title " Data Structures using C" • Dr. Jothi K R, suggested to combine pointers and function as one unit. He also stated the 9 hours is too long for stack and queue given as two different units. • Mr. Santhosh Kumar A P, recommended to include Tree concept till AVL tree here. **Digital Principles and Computer Organization :** • Dr.Karthika Renuka D and Dr. Jothi K R, recommended to include some concepts related to Computer Architecture rather than having 3 units of Digital Principles.	 ✔ Will be modified ✔ Will be changed ✔ Will be modified ✔ Will be included

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Resolution	Resolved to change and put forth to Academic Council.
Item 11.09	Review of 3rd and 4th semester syllabi for B.E- CSE, B.E- CSE(CS) & B.E- CSE(IoT) and service programs with CO-PO/PSO mapping.
Discussion	Dr D. Vanathi, Chairman/BoS presented the review of 3rd and 4th semester syllabi for B.E- CSE, B.E- CSE(CS) & B.E- CSE(IoT) and service programs with CO-PO/PSO mapping
Resolution	It is resolved to submit the analysis of CO- PO/PSO mapping and attainment of R17 Curriculum to Academic Council.
Item 11.10	Review on attainment of 2022 passed out students and target attainment fixed for next batch.
Discussion	Dr D. Vanathi, Chairman/BoS presented Review on Attainment target fixed for next batch
Resolution	It is resolved to submit the Review on Attainment target fixed for next batch
Item 11.11	Review of inclusion of Honor and Minor courses in R17.
Discussion	Dr.Karthika Renuka D, suggested to reduce the elective buckets from 7 to atmost 4 different bucket of electives and fit in all the courses in anyone of these buckets.
Resolution	It is resolved to modify and put forth to Academic Council for approval.
Item 11.12	Review of one credit courses
Discussion	Approved the list of one credit courses and recommended not to include tools for one credit and advised to offer new technologies.
Resolution	It is resolved to modify and submit it to Academic Council for approval.
Item 11.13	Review of Panel of Examiners
Discussion	Approved the list of examiners for QP Setting and Valuation
Item 11.14	Any other matter
Discussion	Nil

The BoS Chairman, thanked all the members for their active participation.

Date: 19.05.2023

CHAIRMAN, BoS/CSE

BOARD OF STUDIES

Academic Year: 2022-2023

Board	CSE	Meeting No.	11	R22
Venue	Board Room, NEC	Date	19.05.2023, 10.00 AM	
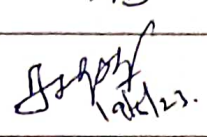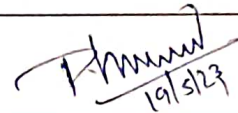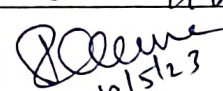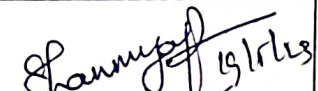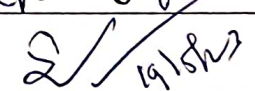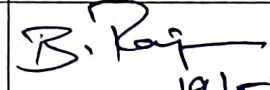
MEMBERS ATTENDED

S. No.	Members	Representation	Signature
1.	Dr. D.Vanathi, HOD / CSE	Chairman	
2.	Dr. KarthikaRenuka D Professor, Department of Information Technology, PSG College of Technology, Coimbatore- 641 004.	Anna University Nominee	
3.	Dr. Jothi K R Associate Professor-Senior Department of Computational Intelligence, School of Computer Science and Engineering, Vellore Institute of Technology, Vellore.	Academic Expert I	
4.	Dr. Jayanthi.G Assistant Professor Faculty of Engineering and Technology Sri Ramachandra Institute of Higher Education and Research University, Chennai.	Academic Expert II	AB
5.	Mr. Santhosh Kumar A P Member - Product Management ZOHO Corporation Pvt Ltd, Chennai – 603202.	Industry Expert	
6.	Mr. K.P.Elangovan Full stack developer, Hedonova, United States, elango@hedonova.io	Alumni	
7.	Dr.Arumugam S, Professor/CSE	Internal Member	
8.	Dr.Prabhadevi S, Professor/CSE	Internal Member	AB
9.	Dr.Senthil J, Professor/CSE	Internal Member	

BOARD OF STUDIES

S. No.	Members	Representation	Signature
10.	Dr.Sivaraj R, Professor/CSE	Internal Member	AB
11.	Dr.Thirumoorthy P,ASP/CSE	Internal Member	
12.	Dr.Karuppusamy S, ASP /CSE	Internal Member	
13.	Dr.Sukumar P, Professor/CSE	Internal Member	
14.	Dr.Prabhu S, HOD(CS)	Internal Member	
15.	Ms.Kavitha.S, AP/CSE	Internal Member	
16.	Ms.Uma.P, AP/CSE	Internal Member	
17.	Ms.Shanmugapriya.K, AP/CSE	Internal Member	
18.	Ms.Deepa B, AP/CSE	Internal Member	
19.	Ms.Rajarajeshwari AP/CSE(CS)	Internal Member	
20.	Mr.Ramesh.S AP/CSE(IOT)	Internal Member	

Chairman/BOS