



NANDHA
Engineering College, Erode -638 052

(An Autonomous Institution, Affiliated to Anna University Chennai and Approved by AICTE New Delhi)

MINUTES OF THE 12th BOARD OF STUDIES MEETING

Name of the Body	Board of Studies
Name of the Board	Information Technology
Meeting No.	12
Date & Time	01.06.2024, 02.00 pm
Mode	Offline Mode (Board Room)
Academic year	2023-24



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Minutes of 12th Board of Studies Meeting (BoS) held on 01.06.2024

The 12th Board of Studies (BoS) meeting was held on 01.06.2024 by 02.00 pm at Board room, Nandha Engineering College. The members attended the meeting are given in **Annexure I**.

The Chairman of the BoS, Dr. C. Siva, Professor/IT, welcomed the members for the meeting. Then, the items listed below were taken for discussion.

BOS - AGENDA	
Item 12.01	Welcome address and Introduction of members.
Item 12.02	Review of the 11th BOS meeting minutes and ATR .
Item 12.03	Review of the PAC and DAB meeting minutes.
Item 12.04	Review of Institute Vision & Mission.
Item 12.05	Review of Department Vision, Mission, PEOs and PSOs.
Item 12.06	Review of R22 ratifications
Item 12.07	<p>Review of Curriculum (R22) and syllabus Review/Approval and updates. 5th to 8th semester syllabi for B.Tech –IT and Elective verticals</p> <p>Semester -5</p> <ul style="list-style-type: none">➤ Course-1: Artificial Intelligence and Machine learning➤ Course-2: Web Technology(Theory+Lab)➤ Course-3 : Internet of Things and its Applications (Theory+Lab)➤ Course-4: E1 Elective(PEC)➤ Course-5: E2 Elective(PEC)➤ Course-6: E3 Elective(OEC/PEC) <p>Semester -6</p> <ul style="list-style-type: none">➤ Course-1: Full Stack Development (Theory+Lab)➤ Course-2: Mobile Application Development(Theory+Lab)➤ Course-3: Elective(PEC)➤ Course-4: Elective(PEC)➤ Course-5: Elective(OEC)➤ Course-6: Elective(OEC/PEC) <p>Semester -7</p> <ul style="list-style-type: none">➤ Course-1: Universal Human Values➤ Course-2: Elective (Management)➤ Course-3: Elective(PEC)➤ Course-4: Elective(PEC)➤ Course-5: Elective(OEC)



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	<ul style="list-style-type: none">➤ Course-6: Internship/Industrial Training Semester -8 <ul style="list-style-type: none">➤ Course-1: Project Work Elective : Web Development Vertical <ol style="list-style-type: none">1. Cloud services Management2. UI and UX design3. DevOps4. Principles of Programming Languages5. Mean Stack Development6. Social and information networks7. Web Mining8. Multimedia Data Compression and Storage
Item 12.08	Review on attainment of 2023 passed out students and target attainment fixed for next batch.
Item 12.09	Review of Ratification in R17 (If any) Review of inclusion of PSE courses in R17.(If any)
Item 12.10	Review of one credit courses and Panel of Examiners
Item 12.11	Discussions on TLP pedagogy to be followed Effectiveness of Hackathons NEC dept. Specific best practices followed to be presented and get details of best practices followed in the experts institutions How to change assessment patterns? Flexibility provided to fast learners in the experts institutions Flexibility in working hours after college hours
Item 12.12	Any other Matter.

The proceedings of BoS started. The discussions and resolutions are recorded as follows:



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Item 12.01	Welcome address and Introduction of members.
Discussion	Dr C.Siva, Chairman/BoS introduced the members of the Board of Studies
Item 12.02	Review of the 11th BOS meeting minutes and ATR .
Resolution	Resolved to approve the 11 th BoS Action Taken Report
Item 12.03	Review of the PAC and DAB meeting minutes.
Discussion	<p>Along with the important suggestions given by the members.</p> <ul style="list-style-type: none"> ✓ PAC meeting-1 held on 02.08.2023 ✓ PAC meeting-2 held on 11.10.2023 ✓ PAC meeting-3 held on 09.04.2024 ✓ DAB meeting-1 held on 22.12.2023 ✓ DAB meeting-2 held on 23.04.2024
Resolution	Resolved to approve the suggestions and ATR of PAC and DAB.
Item 12.04	Review of Institute Vision & Mission.
Discussion	<p>Dr.C.Siva Presented the institute vision and mission</p> <p>Vision To be an Institute of excellence providing quality Engineering, Technology and Management education to meet the ever changing needs of the society.</p> <p>Mission</p> <ul style="list-style-type: none"> • To provide quality education to produce ethical and competent professionals with social Responsibility • To excel in the thrust areas of Engineering, Technology and Entrepreneurship by solving real- world problems. • To create a learner centric environment and improve continually to meet the changing global needs.
Resolution	Resolved to record.
Item 12.05	Review of Department Vision, Mission, PEOs and PSOs.
Discussion	<p>Dr.C.Siva Presented the Department vision and mission, PEOs and PSOs</p> <p>VISION OF THE DEPARTMENT To build a prominent academic platform by disseminating quality technical education in the field of Information Technology to meet the changing needs of society.</p> <p>MISSION OF THE DEPARTMENT Department of Information Technology is committed to</p> <ul style="list-style-type: none"> • To produce professionally competent and ethically responsible graduates through a balanced curriculum. • To empower the students in the thrust areas of information technology and Allied disciplines and to impart Entrepreneurial skills in the continually changing global market.



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	<ul style="list-style-type: none"> To establish a learner-centered environment that encourages the adoption of emerging technologies in the changing needs of the society. <p>PROGRAMME SPECIFIC OUTCOMES (PSOS)</p> <ul style="list-style-type: none"> PSO 1: Analyze, design and apply mathematical foundations, principles of computing, Algorithms, modeling and design of Information Technology based systems. PSO 2: Develop problem-solving skills in the broad area of programming concepts and to manage interdisciplinary projects. <p>PROGRAM EDUCATIONAL OBJECTIVES (PEOs)</p> <p>The graduates of Information Technology will be able to</p> <ul style="list-style-type: none"> PEO 1: Core Competency: Apply the knowledge of mathematics, science and engineering fundamentals to identify and solve technological problems by deploying various software tools for societal development. PEO 2: Research, Innovation and Entrepreneurship: Implement recent tools, technologies and innovative ideas for leading successful careers in research / entrepreneurship and to excel in solving real world problems. PEO 3: Ethics, Human Valued and Life-Long Learning: Exhibit professional ethics in the industry and possess the necessary skills for working in multi-disciplinary areas with focus on life-long learning.
Resolution	Resolved to record.
Item 12.06	Review of R22 ratifications
Discussion	<p>The modifications made in the following subjects' syllabus has been presented for approval to BoS members</p> <p>II year/IV semester:</p> <ul style="list-style-type: none"> 22ITC13 Advanced Java Programming 22ITP07 Advanced Java Programming Lab <p>Modifications were reviewed and members approved the changes.</p>
Resolution	Resolved to approve.
Item 12.07	<p>Review of Curriculum (R22) and syllabus Review/Approval and updates. 5th to 8th semester syllabi for B.Tech –IT and Elective verticals</p> <p>Semester -5</p> <ul style="list-style-type: none"> ➤ Course-1: Artificial Intelligence and Machine learning ➤ Course-2: Web Technology(Theory+Lab) ➤ Course-3 : Internet of Things and its Applications (Theory+Lab) ➤ Course-4: E1 Elective(PEC) ➤ Course-5: E2 Elective(PEC) ➤ Course-6: E3 Elective(OEC/PEC) <p>Semester -6</p> <ul style="list-style-type: none"> ➤ Course-1: Full Stack Development (Theory+Lab) ➤ Course-2: Mobile Application Development(Theory+Lab) ➤ Course-3: Elective(PEC) ➤ Course-4: Elective(PEC) ➤ Course-5: Elective(OEC) ➤ Course-6: Elective(OEC/PEC)



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	<p>Semester -7</p> <ul style="list-style-type: none"> ➤ Course-1: Universal Human Values ➤ Course-2: Elective (Management) ➤ Course-3: Elective(PEC) ➤ Course-4: Elective(PEC) ➤ Course-5: Elective(OEC) ➤ Course-6: Internship/Industrial Training <p>Semester -8</p> <p>Course-1: Project Work</p> <p>Elective : Web Development Vertical</p> <ol style="list-style-type: none"> 1. Cloud services Management 2. UI and UX design 3. DevOps 4. Principles of Programming Languages 5. Mean Stack Development 6. Social and information networks 7. Web Mining 8. Multimedia Data Compression and Storage
Discussion	<p>Semester -5</p> <p>Course-1-Artificial Intelligence and Machine learning : No comments</p> <p>Course-2Web Technology(Theory+Lab): Suggestions were given by members to include <i>cloud computing theory and lab</i> instead of web technology theory and lab as most of the web technology concepts are covered in Advanced Java Programming and Full stack Development.</p> <p>Course-3-Internet of Things and its Applications(Theory +Lab): No Comments</p> <p>Semester -6</p> <p>Course-1 Full Stack Development (Theory+Lab): Dr.K.R.Jothi suggested Development of one application in Full Stack Development Lab instead of individual lab exercises</p> <p>Course-2 Mobile Application Development(Theory+Lab)- No Comments</p> <p><u>Elective Vertical: (Web Development)</u></p> <p><u>UI and UX Designing</u></p> <p>Mr.Santhosh, Industry Expert suggested to include FIGMA and wireframing tool in UI and UX Designing elective as usage of tools make them remember concepts rather than studying theory.</p> <p>Mr.Santhosh Industry Expert from Zoho suggested that Unit V in UI and UX Designing Elective can be renamed as User stories</p> <p><u>MEAN Stack Development</u></p> <p>Ms.KarthikaRenuka, Academic Expert suggested to change the text book for Devops and MEAN Stack Development.</p> <p><u>Multimedia DataCompression and Storage</u></p> <p>Dr.Karthika Renuka, University Nominee suggested that the order of units should be checked and reframed.</p> <p>Dr.Jothi, Academic Expert from VIT suggested that there should be no acronym in syllabus and text books may be given referring some Benchmarking university.</p>



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Resolution	Resolved to approve the proposed suggestions.
Item 12.08	Review on attainment of 2023 passed out students and target attainment fixed for next batch.
Discussion	Dr.C. Siva presented that most of the attainment level have been reached in mapping of COs with POs and PSOs of R17 curriculum. Action taken for POs and PSOs which are not attained are listed in DAB minutes is reviewed in BOS.
Resolution	Resolved and approved.
Item 12.09	Review of Ratification in R17 (If any) Review of inclusion of PSE courses in R17.(If any)
Discussion	Proposed to include 17ITX37 PROBLEM SOLVING USING JAVA 17ITX38 PRODUCT LIFECYCLE MANAGEMNET In PSE
Resolution	Resolved and approved
Item 12.10	Review of one credit courses and Panel of Examiners
Discussion	One credit courses for Academic Year 2023_2024 <ul style="list-style-type: none"> • 17ITI06 MONGODB (odd semester III year) • 22ITI01 User Interface Prototyping Tools (even semester II year)
Resolution	Resolved and approved
Item 12.11	Discussions on TLP pedagogy to be followed Effectiveness of Hackathons NEC dept. Specific best practices followed to be presented and get details of best practices followed in the experts institutions How to change assessment patterns? Flexibility provided to fast learners in the experts' institutions Flexibility in working hours after college hours
Discussion	<u>Members from VIT given the following suggestions</u> <ul style="list-style-type: none"> ✓ Fast Learners can be given relaxation in attending classes and made to involve in Projects, Hackathon. ✓ Slow Learners can be given special coaching classes. 5 extra classes can be conducted before CAT2 and 5 bonus marks can be given if they attend properly to improve their internal marks. ✓ Students winning in International Hackathon or from IIT can be given credit transfer. <p>Students can be involved in proposal writing along with Faculty and their projects can be commercialized by getting patent and copyright.</p>
Resolution	Resolved and approved.
Item 12.12	Any other Matter
Resolution	Nil



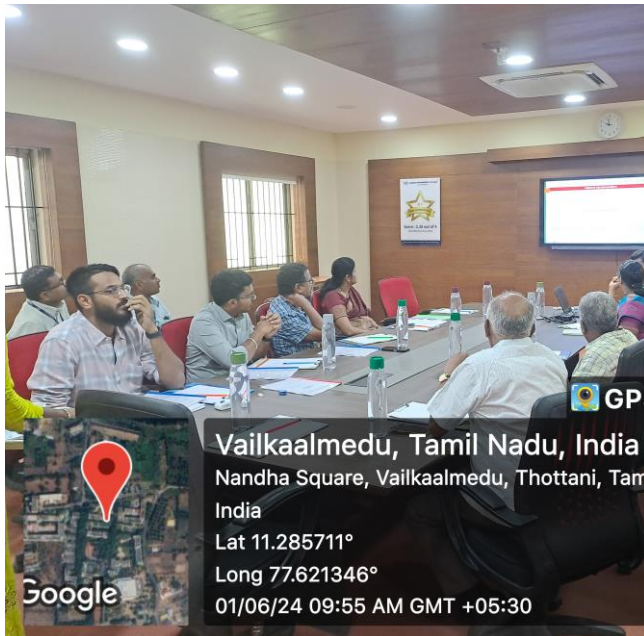
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Summary of approvals


- 11th BoS meeting minutes and ATR are approved
- MoM of PAC meeting-1 held on 02.08.2023, PAC meeting-2 held on 11.10.2023, PAC meeting-3 held on 09.04.2024, DAB meeting-1 held on 22.12.2023 & DAB meeting-2 held on 23.04.24 are approved
- Semester: 5 to 8 syllabi of courses, Web Development Elective Vertical, Ratification in semester IV under R22 regulations are approved.
- Inclusion of PSE in R17 Regulation is approved.
- Panel of Examiners for question paper setting, valuation and laboratory examinations and one credit courses are approved.
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Finally, Dr. C. Siva - BoS Chairman thanked all the members for their active participation.



Date: 01.06.2024



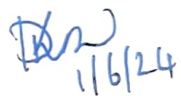




Dr. C. Siva
(Chairman, BoS – Information Technology)
Dr. C. SIVA M. E., Ph.D.,
Professor & Head
Department of Information Technology
Nandha Engineering College
(Autonomous)
Erode - 638 052,

Handwritten signature in green ink

**ANNEXURE-II**

Name of the Board	Meeting No.	Academic year
Information Technology	12	2023-24

Meeting Attendance

S.No	Members	Representation	Signature with date
1	Dr.C.Siva Professor & Head, Information Technology	Chairman	
2	Dr. D. Karthika Renuka, Professor, Department of Information Technology, PSG College of Technology, Coimbatore- 641 004.	University Nominee	 11/6/24
3	Dr. Jothi K R, Associate Professor Senior, Department of Computational Intelligence, School of Computer science and engineering, Vellore Institute of Technology, Vellore.	Expert Nominee (Nominated by Academic Council)	
4	Dr. Jayanthi, Assistant Professor Faculty of Engineering and Technology Sri Ramachandra Institute of Higher Education and Research University, Chennai	Expert Nominee (Nominated by Academic Council)	AB
5	Mr. A P Santhosh Kumar, Lead - Product Management ZOHO Corporation Pvt Ltd. Chennai - 603202.	Member (Expert from Industry)	 11/11/24
6	Mr. Elangovan, Head of Technology, Hedonova 8, The Green, Suite B, City of Dover, Delaware 19901, United States	Alumni	 1.6.2024

**Meeting Attendance - Internal members**

S.No	Members	Representation	Signature with date
1	Dr.E.K.Vellingiriraj, AsP/IT	Member	<i>T. K. Vellingiriraj</i>
2	Dr.Manchula. A, AsP/IT	Member	<i>AB</i>
3	Ms.C. Vasuki, AsP/IT	Member	<i>C. Vasuki</i>
4	Ms.Suguna Angamuthu, AP/IT	Member	<i>Suguna</i>
5	Ms.D.Kiruthika, AP/IT	Member	<i>Kiruthika</i>
6	Ms.S.Thangamani, AP/IT	Member	<i>Thangamani</i>



[Signature]
[Signature]

Chairman BoS

Dr.C.SIVA M.E., Ph.D.,
Professor & Head
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