

# CHAITANYA BHARATHI INSTITUTE OF TECHNOLOGY

An Autonomous Institute | Affiliated to Osmania University  
Kokapet Village, Gandipet Mandal, Hyderabad, Telangana-500075. www.cbti.ac.in



COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

47  
years

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Minutes of 14th Board of Studies (BoS) (ECE) Meeting held on 29/04/2026

07/05/2026

### Members Present:

S. no.	Name	Organization
1.	Prof. S. Anuradha	Professor, ECE Dept. NIT Warangal
2.	Prof. P. Naveen Kumar	Professor,, ECE, Dept. UCE, OU, Hyderabad
3.	Dr. Jyoti Mansukhani	Scientist F, DRDL, Kanchanbagh, Hyderabad.
4.	Mr.Deepak Raya	Ph D Scholar (PMRF), Neuroscience, IISC Bangalore
5.	Ms. R Hari Chandana	Sr.Engineer, Mistral Solutions Pvt. Ltd., Bangalore
6.	Ms. Kilaru Susrutha Reddy	Silicon Design Engineer, AMD, Hyderabad
7.	Dr. M. A. Mushahid Majeed	CAD Software Developer and Application Manager, NXP Semiconductors Ltd., Hyderabad.
8.	Dr. N. V. Koteswara Rao	Internal BoS Member
9.	Dr. D. Krishna Reddy	Internal BoS Member
10.	Dr. P. Narahari Sastry	Internal BoS Member
11.	Dr. C.V.Narasimhulu	Internal BoS Member
12.	Dr. M.Sushanth Babu	Internal BoS Member
13.	Dr.Vivek Singh Kushwah	Internal BoS Member
14.	Dr.A.Supraja Reddy	Internal BoS Member
15.	Dr.Bhasker Dappuri	Internal BoS Member
16.	Dr. K. Vasanth	Chairman BoS

Leave of Absence: Prof. Shiv Govind Singh, Professor, Electrical Engineering, IIT Hyderabad

*Sy-f Bhask* *Indu* *OK* *me* *S. Shanki*  
*M*

**Minutes:**

HoD welcomed all the members of BoS.

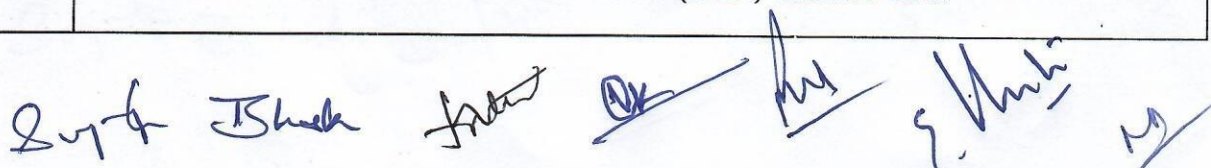
1.	<p>Approval of the minutes of the 13<sup>th</sup> BoS Meeting held on 26-04-2025</p> <p>The Chairman BoS presented the members with the minutes of the 13th Board of Studies (BoS) Meeting, circulated on 26-04-2025.</p> <p>The suggestions received from the members were duly incorporated in the final version of the minutes. Since no further modifications were proposed, the minutes of the 13th BoS Meeting were placed for approval.</p> <p>The members reviewed the same and unanimously approved the minutes.</p>
<b>R22A</b>	
2.	<p>Approval to include industry-suggested experiments from Constelli Signals Private Limited in the Laboratory courses in R22(A) Curriculum.</p> <p>22ECC19 - ANALOG AND DIGITAL COMMUNICATION LAB 22ECC20 - DIGITAL SIGNAL PROCESSING LAB 22ECC26 - MICROWAVE ENGINEERING AND MOBILE COMMUNICATION LAB 22ECC32 - IoT LAB</p> <p>The Chairman presented the proposal to incorporate industry-suggested experiments recommended by Constelli Signals Private Limited into the following laboratory courses under the R22(A) curriculum as part of state holder request towards curriculum requirement and industry needs.</p> <ul style="list-style-type: none"><li>● 22ECC19 – ANALOG AND DIGITAL COMMUNICATION LAB</li><li>● 22ECC20 – DIGITAL SIGNAL PROCESSING LAB</li><li>● 22ECC26 – MICROWAVE ENGINEERING AND MOBILE COMMUNICATION LAB</li><li>● 22ECC32 – IoT LAB</li></ul> <p>The Chairman presented the existing syllabus of the above four laboratory courses and explained the suggestions received from Constelli Signals Private Limited. The proposed inclusion of industry-relevant experiments is aimed at strengthening practical exposure, enhancing hands-on skills, and aligning laboratory courses with current industry requirements.</p> <p>After discussion and deliberation, the members unanimously approved the inclusion of the suggested experiments in the above-mentioned laboratory courses under the R22(A) regulation.</p> <p>Further, Prof. S. Anuradha suggested separating the course MICROWAVE ENGINEERING AND MOBILE COMMUNICATION into two independent courses.</p>

Sy G Shukla     J. J.     OK     M     S. Anuradha

	<p>Since the R22(A) curriculum has already been approved, it was resolved that this suggestion will be considered during the preparation of the R26 syllabus.</p> <p>The members discussed the proposal and approved the same.</p>
3.	<p>Approval to revise the course REAL TIME OPERATING SYSTEMS (22ECE16) by introducing QNX as the primary RTOS, as recommended by Pi Square Technologies and aligned with the QNX Everywhere Program MoU, to enhance internship and placement opportunities.</p> <p>It was proposed to introduce <b>QNX as the primary RTOS platform</b> for the course, based on the recommendation of <b>Pi Square Technologies</b> and in alignment with the <b>QNX Everywhere Program MoU</b>. The revision aims to enhance students' practical exposure to industry-relevant RTOS platforms and improve internship and placement opportunities.</p> <p>The Chairman briefed the members on:</p> <ul style="list-style-type: none"> <li>• The industry relevance of QNX is immense in embedded automotive domains.</li> <li>• The benefits of academic collaboration under the QNX Everywhere Program.</li> <li>• The updated syllabus structure incorporating hands-on sessions and case studies using QNX.</li> </ul> <p>After detailed discussion and deliberation, the members appreciated the initiative and unanimously <b>approved the revised syllabus</b> of the course REAL TIME OPERATING SYSTEMS (22ECE16) with QNX as the primary RTOS platform, effective from the upcoming academic year.</p>
<b>R26</b>	
4.	<p>Approval of Scheme for I to VIII Semester of B.E. (ECE) under R26 regulation.</p> <p>The Chairman of the Board of Studies (BoS) presented the proposed Scheme of Study for I to VIII Semester of the B.E. (ECE) programme under the R26 regulation.</p> <p>The Chairman explained the main features of the R26 scheme, such as credit distribution across semesters, inclusion of industry-oriented and emerging courses, proper balance of core and elective subjects, addition of skill-based labs, internships and projects, and compliance with regulatory and OBE guidelines. He also stated that the total number of credits for B.E.(ECE) program is 165.</p> <p><b>Prof. S. Anuradha</b> suggested to rename the title of the course "HDL Programming". Accordingly, the title of the course is renamed as "Hardware Description Language".</p> <p>The members examined the semester-wise structure and credit distribution. After discussion, the Scheme of Study for I to VIII Semester of B.E. (ECE) under the R26 regulation was unanimously approved.</p>

5.	Approval of Syllabus of courses offered by ECE board in 1st and 2nd semester of BE(ECE).
	<p>The Chairman presented the syllabus of the courses offered by the ECE Board in the I and II Semester of B.E. (ECE).</p> <p>The members reviewed the course contents, structure, and credit allocation. The syllabus was designed in alignment with the R26 regulation and industry requirements.</p> <p>After discussion and necessary clarifications, the syllabus of the courses offered by the ECE Board in I and II Semester of B.E. (ECE) was unanimously approved.</p>
6.	Approval of Syllabus of service courses offered by ECE board in 1st and 2nd semester.
	<p>The Chairman of the Board of Studies (BoS) presented the syllabus of the service course <b>“Basic Electronics and Sensors”</b> and <b>“Basic Electronics and Sensors Lab”</b> offered by the ECE Board in the I and II Semester.</p> <p>The members reviewed the course content, laboratory experiments, structure, and relevance to the concerned programmes. The syllabus was prepared in accordance with the R26 regulation and academic requirements.</p> <p>After discussion and deliberation, the syllabus of the service course <b>“Basic Electronics and Sensors”</b> and <b>“Basic Electronics and Sensors Lab”</b> offered in the I and II Semester was unanimously approved.</p>
7.	To discuss the List of Open Elective Courses offered to other departments.
	<p>The Chairman of the Board of Studies (BoS) presented the list of Open Elective courses to be offered by the ECE Department.</p> <ol style="list-style-type: none"> <li>1. 26ECO01 - System Automation and Control</li> <li>2. 26ECO02 - Remote Sensing and GIS</li> <li>3. 26ECO03 - Fundamentals of Wireless Communications</li> <li>4. 26ECO04 - Basics of Digital Signal Processing</li> <li>5. 26ECO05 - Principles of Embedded Systems</li> <li>6. 26ECO06 - Principles of VLSI</li> <li>7. 26ECO07 - Neural Networks and Fuzzy Logic</li> <li>8. 26ECO08 - Quantum Computing</li> </ol> <p>The members reviewed the courses and discussed their relevance and suitability.</p> <p>After discussion, the list of Open Elective courses offered to other departments was approved.</p>
8.	Approval of list of courses under “BE Degree with Additional Minor Engineering” and “BE (ECE) with Honors Degree”

	<p>The Chairman, Board of Studies (BoS), presented the list of courses under “<b>B.E. Degree with Additional Minor Engineering</b>” in the following specializations:</p> <ul style="list-style-type: none"> <li>i. Communications and Networking</li> <li>ii. Embedded Systems &amp; IoT</li> <li>iii. Signal Processing</li> <li>iv. VLSI</li> </ul> <p>The Chairman informed that the list is based on the courses offered by NPTEL during the present academic year and will be updated based on the courses to be released next academic year.</p> <p>Due to the dynamic nature of NPTEL courses offered, the chairman requested the committee for approval to finalize the NPTEL courses for <b>B.E.(ECE) with Honors Degree</b> and <b>B.E. Degree with Additional Minor Engineering</b> upon circulation to members via email.</p> <p>The members approved the request and agreed on the proposal by chairman.</p>
9.	<p>Approval of the list and syllabi of “Value added courses”.</p> <p>The Chairman of the Board of Studies (BoS) presented the list and syllabi of the proposed <b>Value Added Courses</b>. The members reviewed the course contents, structure, and relevance to skill development and industry requirements. After discussion and deliberation, the list and syllabi of the <b>Value Added Courses</b> were unanimously approved.</p>
10.	<p>Approval of Scheme of I to IV Semester of M.E. (CE).</p> <p>The Chairman of the Board of Studies (BoS) presented the Scheme of Study for I to IV Semester of the M.E. (CE) programme. The members reviewed the semester-wise structure and credit distribution.</p> <p>He also stated that the total number of credits for the M.E.(CE) program is 68.</p> <p>After discussion, the Scheme of Study for I to IV Semester of M.E. (CE) was approved.</p>
11.	<p>Approval of Syllabi of I to II Semester courses of M.E. (CE).</p> <p>During the discussion on the Scheme of Study for M.E. (CE), <b>Prof. S. Anuradha</b> suggested including a core course in Communication Engineering covering topics such as Advanced Digital Communication, Digital Modulation, and Coding.</p> <p>The suggested topics are incorporated into the existing course <b>Advanced Communication Networks</b>, and the course is renamed as <b>Advanced Communication and Networks</b>. Similarly, the corresponding laboratory course is revised and renamed as <b>Advanced Communication and Networks (ACN) and IoT Lab</b>.</p>

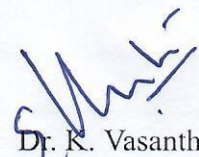


	The members reviewed the modifications and approved the same.
12.	Approval of Scheme of I to IV Semester of M.E. (ES & VLSID).
	The Chairman presented the Scheme of Study for I to IV Semester of M.E. (ES & VLSID). He also stated that the total number of credits for the M.E.(ES & VLSID) program is 68. The members discussed and approved the same.
13.	Approval of Syllabi of courses of I to II Semester of M.E. (ES & VLSID).
	The Chairman presented the syllabi of the courses for I and II Semester of M.E. (ES & VLSID). The members discussed and approved the same.
14.	Approval of the syllabus of Audit Course offered by ECE Board for PG Programs.
	The Chairman presented the Audit Course, Value Education (26ECA101) to be offered by the ECE Board for PG programs. The members approved the same.
15.	Any other items with permission of the chair.
	The chairman thanked the committee members for giving their valuable feedback during the meeting.

The members are requested to offer the comments, if any, within a week from the date of receipt of this communication. If no comments are received, the minutes will be taken as confirmed.

Copy to:

1. Members of BoS
2. Principal for information

  
 Dr. K. Vasanth  
 Head and Chairman, BoS  
 Dept. of ECE

-oOo-

