



**CHAITANYA BHARATHI  
INSTITUTE OF TECHNOLOGY (A)**

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COMMITTED TO  
RESEARCH,  
INNOVATION AND  
EDUCATION

**43**  
years

## DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

**Minutes of Tenth (10<sup>th</sup>) BoS (ECE) Meeting held on 28/05/2022**

**28/05/2022**

### Members Present:

S. no.	Name	Organization
1.	Prof Mohammed Zafar Ali Khan	Professor, IIT Hyderabad
2.	Dr. Venkata Mani	Asso. Professor, NIT, Warangal
3.	Dr. L.Nirmala Devi	Asso. Professor, OU, Hyderabad
4.	Sri. S.Venkateswara Rao	Director, AMD, Hyderabad
5.	Sri Komma Siva Prakash Reddy	Senior Member Technical Staff, Oracle India Pvt Ltd Bangalore
6.	Dr. S. M. Ahmed	Head, Principal Scientific Officer, Central Instrumentation Laboratory, HCU, Hyderabad
7.	Dr. Sachin Chaudhari	Professor, IIIT Hyderabad
8.	Dr. N. V. Koteswara Rao	Internal BoS Member
9.	Dr. P. Narahari Sastry	Internal BoS Member
10.	Dr. A D Sarma	Internal BoS Member
11.	Dr N Alivelu Manga	Internal BoS Member
12.	Dr.A.Vani	Internal BoS Member
13.	Dr. A.Supraja Reddy	Internal BoS Member
14.	Sri M V Nagabhushanam	Internal BoS Member
15.	Dr. M. Ramana Reddy	Internal BoS Member
16.	Mrs. N.Dhana Lakshmi	Internal BoS Member
17.	Sri. T.Aravinda Babu	Internal BoS Member
18.	Dr. K.Suman	Internal BoS Member
19.	Sri. G.V.Pradeep Kumar	Internal BoS Member
20.	Faculty	ECE Dept. faculty
21.	Dr. D. Krishna Reddy	Chairman BoS

### Leave of Absence:

The meeting has commenced with welcoming the BoS members by the Chairman, Board of

1.	Sri. M. Kannan	Scientist – G, RCI, Hyderabad
2.	Dr. Chandana Viswanadham	AGM, BEL, Bangalore

Studies. He thanked the contributions made by members of the BoS Committee in the curriculum development so far. The Chairman, BoS started the meeting by reading the agenda of the meeting. The Chairman, BoS informed the members that the suggestions/feedback of the stake holders (Industry, Employer, Alumni, Parents and Professional Societies) along with the outcome of the Program Exit Survey and Student Feedback are also considered in developing the curriculum.

### Minutes:

I	<b>To approve the minutes of 9<sup>th</sup> BoS meeting</b>
	The minutes of 9 <sup>th</sup> BoS meeting are approved.
II	<b>To present the syllabus for V to VIII semesters of B.E (ECE) under R-20 Regulation for the approval.</b>
	<p>This is approved with the following recommendations:</p> <ol style="list-style-type: none"><li>1. A detailed discussion was carried about all courses being offered from V to VIII semesters of R-20 regulation as below:<ol style="list-style-type: none"><li>(i) In “Microwave and Radar Engineering” Course – Dr. S. M. Ahmed suggested to include concepts of “SAR and its applications”. <b>Action Taken:</b> As per his suggestions the same are included in Unit V.</li><li>(ii) Dr. S. M. Ahmed inquired about the availability of CAD Simulation tools in the Department. <b>Action Taken:</b> The Chairman told that the above tools are available in Department. Further, Sri. S.V.Rao informed that M/s Xilinx is now part of M/s AMD.</li><li>(iii) Green Communication – Dr Nirmala Devi suggested to change/shorten the title of Units III &amp; IV. <b>Action Taken:</b> The titles of the units are shortened.</li><li>(iv) For the course “Optical Communications”, Dr.S.M.Ahmed suggested to arrange guest lecture/seminars on real time applications. <b>Action Taken:</b> As per his suggestions, guest lecture/seminars on real time applications will be planed.</li><li>(v) Dr.Sachin Choudary suggested to include the text book titled as “Fundamentals of Statistical Signal Processing”, Volume II:</li></ol></li></ol>

Detection Theory: 2, by Steven M. Kay, Prentice Hall Signal Processing Series 1998 for the course “Signal Detection Techniques”.

**Action Taken:** The same is included as a Reference Book.

(vi) In the course “Principles and Applications of AI”, Dr.S.M.Ahmed suggested to give more emphasis on applications of AI.

**Action Taken:** As per his suggestions, more applications of AI are included. (Applications of AI in speech processing, image processing and IoT along with other applications in Finance and Agriculture also are included)

(vii) Dr Sachin Choudhry suggested to correct the spelling of Cepstrum in the course “Speech Processing”.

**Action Taken:** The typographical errors are corrected.

(viii) Dr Sachin Choudary and Sri. S.V. Rao suggested to add latest books /research literature in the course “Advanced Microprocessor and Applications”.

**Action Taken:** Latest books /research literature are added

(ix) Sri. S.V. Rao suggested to add a chapter on Micro Controllers in the course “Advanced Microprocessor and Applications”.

**Action Taken:** The chairman BoS informed that there is an exclusive core course on “Micro Controllers” in the curriculum.

(x) Sri.Shiva Prakash Reddy suggested expanding “M2M” in the course “IoT and Simulation Lab”. Dr.Nirmala Devi suggested expanding the Unit Headings.

**Action Taken:** The suggestions are incorporated.

(xi) Dr.Nirmala Devi suggested to have uniformity in the content of units for the course “Mobile Adhoc and Sensor Networks”

**Action Taken:** The suggestion is considered and incorporated.

(xii) Dr. Nirmala Devi suggested to give more emphasis on Sensor Networks compared to Adhoc Networks as it is being outdated.

**Action Taken:** The Chairman BoS informed that this course is modified with 2 units of Adhoc networks and the remaining 3 units of Sensors networks.

(xiii) Dr. Nirmala Devi suggested changing the title of unit 1 for the course Network Security.

**Action Taken:** The title of unit-1 is changed.

(xiv) Sri K. Siva Prakash Reddy and Dr. S. M. Ahmed suggested to give the assignments and / arrange seminars for the course “Fundamentals of Cloud Computing” to emphasize on AWS, GCP and Azure. They also suggested to have free accounts to students on different cloud computing platforms.

	<p><b>Action Taken:</b> The practice of giving assignments is already in place and the seminars would be organized. Students will be encouraged to have free accounts.</p> <p>(xv) Dr. Nirmala Devi suggested renaming “Project” as “Major Project Phase I and Major Project Phase II”.</p> <p><b>Action Taken:</b> As per the academic rules of the institute, names of the courses as “Project: part - I” and “Project: part - II” are followed.</p>
III	<p><b>To present the list of courses under “B.E (ECE) Degree with Honors”.</b></p> <p>Dr. N. Alivelu Manga presented the list of courses should be taken up by students to acquire the “B.E (ECE) Degree with Honors”. It is also informed that the list of courses will be changed dynamically depending on the courses availability in MOOCs.</p> <p>This is approved.</p> <p>(i) Dr. Nirmala Devi suggested to find the reasons behind for not opting the Honors Degree by the students.</p> <p><b>Action Taken:</b> Most of the students are preferred to do software related courses by opting AME in tune with the prevailing software trend.</p>
IV	<p><b>To present the list of courses under “B.E Degree with Additional Minor Engineering”</b></p> <p>Dr. N. Alivelu Manga presented the list of courses should be taken up by students to acquire the “B.E (ECE) Degree with Additional Minor Engineering”. It is also informed that the list of courses will be changed dynamically depending on the courses availability in MOOCs.</p> <p>This is approved</p>
V	<p><b>To discuss and approve the syllabus for service course offered to BE (AI &amp; ML).</b></p> <p>The syllabus of “Signal Processing” course is presented.</p> <p>This is approved with the following recommendations:</p> <p>(i) Dr Venkata Mani suggested to include FFT in IV unit.</p> <p><b>Action Taken:</b> The above suggestion is incorporated.</p>
VI	<p><b>To discuss and approve the syllabus for open electives offered to other departments.</b></p> <p>A total of ten Open Electives being offered to other departments are presented.</p> <p>The same are approved.</p>
VII	<p><b>To present the minor changes in the syllabus for ME (CE) and ME (ES &amp; VLSID) under R-20 Regulations if any.</b></p> <p>This is approved with the following recommendations:</p> <p>As on date, no single batch has passed out under R-20 Regulation. Hence, no changes are made in curriculum structure and contents of the courses.</p>

	It is approved.
VIII	<b>Any other item with the permission of chair</b>
	<p>(i) Dr. Sachin Chaudhari appreciated the inclusion of the courses such as Green Communication, 5G, IoT, Drones, etc. However, he felt that in many of the courses, the books are pretty old. He suggested to add some research papers in the references or suggested readings. He further expected that the IoT should come in as an elective as early as possible and should include a project.</p> <p><b>Action Taken:</b> The department acknowledges his appreciation. As per the suggestions the old books under text books/reference books are replaced with latest editions and also research papers are added wherever possible.</p> <p>(ii) Dr Nirmala Devi opinioned that uniformity may be maintained in number of experiments in each lab</p> <p><b>Action Taken:</b> The experiments are designed according the topics covered in related theory course. So it may not be possible to have the same number of experiments in all the labs.</p> <p>(iii) Dr Nirmala Devi also opinioned that the number of Course Objectives for each course may be five like the number of Course Outcomes.</p> <p><b>Action Taken:</b> It is informed that, it is customary to have three objectives for each course at the Institute level.</p> <p>I would like to seek the approval through E-mail from the members of BoS for any further minor modifications in the curriculum if required and also the inclusion of “Value Added Courses” to offer</p>

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



Prof D. Krishna Reddy  
Head and Chairman, BoS

Dept. of ECE

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