LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
(UGC Autonomous)
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Campus Address: Survey No.32, Himayat Sagar, Near TSPA, Hyderabad – 500091 www.lords.ac.in

Ref. No: LIET/ECE/BOS-5/MOM/2025/1   Date: 18 June 2025

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

MINUTES OF THE FIFTH BOARD OF STUDIES MEETING

The Fifth Board of Studies Meeting of the Department of Electronics and Communication Engineering was held on **18-06-2025** at **10:00** AM in in Technology Business Incubator Office, Lords Institute of Engineering and Technology, Hyderabad with the following members to discuss the given agenda.

Members Present:

S.No.	Name	Designation	Category	Signature
1.	Dr. S. Mohammad Rasool	Associate Professor & HOD, Dept. of ECE, Lords Institute of Engineering and Technology, Hyderabad	Chairperson, BoS	
Nominees of Osmania University, Hyderabad				
2.	Dr. D. Rama Krishna	Professor, ECE Dept.,Osmania University, Hyderabad	University Nominee (External)	
Experts / Academicians from Outside the Parent University nominated by Academic Council				
3.	Dr. S. Thulasi Prasad	Associate Professor & HOD, Dept. of ECE, Vidya Jyothi Institute of Engineering & Technology, Hyderabad.	Subject Expert-1 (External)	
4.	Dr. Arshia Azam	Associate Professor, Department of ECE MANU, Hyderabad.	Subject Expert-2 (External)	
Representatives from R&D / Industry / Corporate Sector / Allied areas relating to placements				
5.	Dr. Vijender Busi Reddy	Sci/Engr-SF Advanced data processing Research Institute, Hyderabad	Industry Representative (External)	
Alumni from Industry / Corporate Sector				
6.	Mr. Ahzam Zobairi	R&D Engineer Ericsson Global (independent contractors) Hyderabad.	Alumnus (External)	

Department faculty members from each specialization				
7	Dr. R.K. Singh	Professor of ECE & Principal LIET,Hyderabad.	Internal Member	
8.	Ms. Sapna Gangrade	Assistant Professor of ECE, LIET	Internal Member	
9.	Mr.Khaja Pasha	Assistant Professor of ECE, LIET	Internal Member	
10.	Mr. Basava Danne	Assistant Professor of ECE, LIET	Internal Member	
11.	Ms. Salma Naazneen	Assistant Professor of ECE, LIET	Internal Member	

The member(s) could not attend the meeting: NIL

The Meeting was conducted as per the schedule to discuss the agenda given below.

AGENDA:

1. Introduction and Welcome of New BoS Members.
2. Confirmation of the Minutes and Action taken report of the Previous Meeting held on 11-04-2024.
3. Brief overview of the meeting objectives and importance.
4. Finalization and Approval of LR23 V & VI Semesters Course Structure & Syllabus [Revised].
5. Finalization and Approval of LR24 III & IV Semesters Course Structure & Syllabus [Revised].
6. Finalization and Approval of LR23 V & VI Semesters Professional Electives Syllabus.
7. Finalization and Approval of Open Electives Syllabus offered to other departments - LR23.
8. Finalization and Approval of Honors & Minor Engineering Degree Courses – LR23.
9. Ratification and Approval of Panel of Paper Setters.
10. Discussion on "Course alignment with NEP-2020, OBE and industry needs for LR26".
11. Any other point with the permission of chair.

Item No.1: Introduction and Welcome of New BoS Members and vice versa.
- Dr. S. Mohammad Rasool, HOD-ECE & Chairperson-BoS (ECE), LIET (A) welcomed the members of the Board of Studies, Principal, and other faculty members to the meeting for the extension and approval of the above sanctioned courses and syllabi for the academic year 2025-26.

- Chairperson has introduced the new panel members of BoS and also informed that it will be valid for three academic years i.e., 2025-26, 2026-27 & 2027-28.

- The BOS Chairperson further presented the brief profile and achievements of the department.

This was followed by the discussion on the agenda points mentioned above.

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The following deliberations and resolutions were made:

Item No. 2: Confirmation of Minutes of Fourth BoS Meeting held on 11/4/2024.
  Deliberations:
(i) The Chairperson has presented the Minutes of the Fourth BoS meeting held on 11/4/2024 to the committee.
(ii) The Chairperson has presented the Action Taken Report of Fourth BoS minutes to the committee. (Annexure-I).
  Resolution:
(i) The Committee has approved and ratified the minutes of meeting and action taken report.

Item No. 3: Brief overview of the meeting objectives and importance.
  Overview and the importance of the BoS meeting was put forward to the BoS Members by the Chairperson. The committee has appreciated the same and in continuation, the committee has asked the Chairperson-BoS (ECE) to continue with the agenda points.

Item No. 4: Finalization and Approval of LR23 V & VI Semesters Course Structure & Syllabus [Revised].
  The Chairperson, Board of Studies has presented the Course Structure and Syllabus of V & VI Semester under the Regulation of LR23 (Lords Regulation 23) to the committee members.
  After presenting the Course Structure and the Syllabus, the Chairperson had requested for the review, suggestions and the comments from all the members.

(a) B.E. (ECE) V Semester Course Structure & Syllabus
Deliberations:
  (i) The committee mentioned to offer only Three Credits for the Theory courses offered.
  (ii) The Committee suggested to rearrange the *Course Outcomes* following the proper order of the Units mentioned in the syllabus.
  (iii) The Committee suggested to rearrange the order of the *Suggested Readings* mentioned in the syllabus as per the standard reference books of a particular subject.
  (iv) The Committee recommended slight changes in the syllabus of the following subjects-

  - **Electromagnetic Theory and Transmission Lines**
  - **Pulse and Linear Integrated Circuits.**

  (v) While reviewing the Lab Syllabus, the Committee advised to avoid the term *Design*, in place of which the words like – *verify, study or perform* can be used in **Pulse and Linear Integrated Circuits Lab.**

  (vi) While reviewing the Lab Syllabus, the Committee advised to mention complete *AIM* of the experiment instead of the *title* of the experiment.
  Resolutions:

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(i)   The suggestion was well taken and all the theory subjects were allotted three credits.

(ii)   As recommended by Committee members the words like – *verify, study or perform* were replaced with term *Design* in **Pulse and Linear Integrated Circuits Lab.**

(iii)   As per the advice given by the committee members *Course Outcomes* and *Suggested Readings* were rearranged in proper order and suggested changes in theory and lab syllabus were done.

b) B.E. (ECE) VI Semester Course Structure & Syllabus
   Deliberations:

(i)   The Committee proposed to *rename Arduino Programming Lab* as ***Embedded Systems Lab.***

(ii)   The Committee proposed to *rename VLSI and ECAD Lab* as *ECAD Lab.*

(iii)   The Committee indicated to reorganize the whole syllabus of *Electronic Measurement and Instrumentation* and to add the book with author name - *A.K Shawney* in the Suggested Readings.

   Resolutions:

(i)   The suggestions given by Committee members is well taken and *Arduino Programming Lab* is renamed as ***Embedded Systems and IOT Lab.***

(ii)   As per the suggestions from the committee members *VLSI and ECAD Lab* is renamed as ***ECAD Lab.***

(iii)   As indicated by Committee members the whole syllabus of *Electronic Measurement and Instrumentation* is reorganized. Also *A.K Shawney* is added *as Suggested Readings* to the syllabus.

Item No. 5: Finalization and Approval of LR24 III & IV Semesters Course Structure & Syllabus [Revised].

The Chairperson, Board of Studies has presented the Course Structure and Syllabus of III & IV Semester under the Regulation of LR24 (Lords Regulation 24) to the committee members.

He also presented **Term Work** to the Committee members which is recently added in LR24.He further added that in LR24 Course Structure **Term Work** is added in every semester with one subject which will include *Assignments, Seminars, Micro projects, Industrial Visits and any other student activities.* On emphasizing the significance of **Term Work** he added that, it will not only provide practical exposure of a particular subject to the students, but also will improve them with conceptual foundations.

After presenting the Course Structure and the Syllabi, the Chairperson had requested for the review, suggestions and the comments from all the members.

a) **B.E.(ECE) III Semester Course Structure & Syllabus**
    Deliberations:

(i) The Committee suggested the possibility to add the subject **Network Theory** in *third semester* Course Structure from *fourth semester.*

(ii) The Committee suggested the possibility to add the subject **Pulse and Linear Integrated Circuits** from *fifth semester* to *fourth semester* Course Structure.

(iii)The Committee suggested the possibility to add the subject **Microprocessors and Microcontrollers** from *fourth semester* to *fifth semester* Course Structure.

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(iv) While reviewing the Lab Syllabus, the Committee members recommended to avoid the term *Design*, in place of which the words like – *implementation* can be used in **Digital Electronics Lab.**

Resolutions:

(i)   Suggestions given by Committee members were well taken and subjects **Network Theory, Pulse and Linear Integrated Circuits** and **Microprocessors and Microcontrollers** were shuffled as suggested.

(ii)   As recommended by Committee members the terms like – *Design* was replaced with the words *implementation* in **Digital Electronics Lab.**

b) **B.E.(ECE) IV Semester Course Structure & Syllabus**
   Deliberations:

(i)   The Committee members put forwarded their suggestion to reorganize the syllabus of the subject **Analog and Digital Communication** and also it should align with the aim of the experiments of respective subject lab.

(ii)   The Committee members advised to re-titled **Analog and Digital Communication Lab** as **Communication Lab,** and also content of the subject should align with aim of the experiments.

(iii) The Committee members mentioned to give a suitable title to **Computer Applications Lab** which should be in accordance to the experiments performed.

Resolutions:

(i)   As suggested by Committee members the syllabus of the subject **Analog and Digital Communication** is reorganized considering the alignment of content in the syllabus with aim of the experiments of respective subject.

(ii)   As advised by Committee members **Analog and Digital Communication Lab** is retitled as **Communication Lab.**

(iii)   As mentioned by Committee members a suitable title is given to **Computer Applications Lab** as **Embedded C-Programming Lab** which is in accordance to the experiments mentioned in the syllabus.

Item No. 6: Finalization and Approval of LR23 V & VI Semesters Professional Electives Syllabus –LR23.
Deliberations:

   The Chairman, BoS presented a list of Professional Elective Courses and the Syllabus to the members and requested for suggestions -

(i)   The Committee members strongly recommended to streamline the order of Professional Electives in such a way that after following the recommended order the student would be able to specialize particular discipline, which would further provide good exposure to industry and research for the students.

(ii)   The Committee members proposed that **AIML** (Artificial Intelligence and Machine Learning) can be included as Professional Elective inline with the subject **IOT** (Internet Of Things).

Resolution:

(i) Suggestions given by Committee members were noted and accordingly Professional Electives Course structure was updated.

Item No. 7: Finalization and Approval of Open Electives Syllabus offered to other departments - LR23.

Deliberations:

The Chairman, BoS presented a list of Open Elective Courses and the Syllabus to the members and requested for suggestions -

(i) While reviewing Open Electives the Committee suggested to simplify the syllabus of OEC-2 -*Principles of Data Communication and Communication Network,* as it will be offered to the students who do not belongs to CORE ECE.

Resolution:

(i) The suggestion given by Committee members was well taken and the syllabus of OEC-2 -*Principles of Data Communication and Communication Network* was simplified.

Item No. 8: Finalization and Approval of Honors & Minor Engineering Degree Courses – LR23.

The Chairman, BoS has presented the Course Structures of Honors and Minor Engineering Degree Courses to be offered under LR23.

(a) B.E. Honors Degree Program

Deliberations:

(i) The Committee members reviewed and discussed the syllabus.

Resolution:

(i) After a small discussion Syllabus is accepted and the same is approved.

(b) B.E. Minor Degree Program

Deliberations:

(i) The Committee members suggested to add subjects related to Embedded Systems.

(ii) It was also mentioned by the committee members to add more MOOC links related to Embedded Systems.

Item No. 9: Ratification and Approval of Panel of Paper Setters

Deliberations:

(i) The Chairperson has presented the panel of Paper Setters to the members for ratification. It was suggested that the one set each Question Paper for a Course to be taken from two different external paper setters.

Resolution:

(i) The members have accepted the panel of paper setters and the same was ratified. The suggestion given regarding two paper setters will be discussed in the next Academic Council Meeting through the Controller of Examinations.

Item No. 10: Discussion on "Course alignment with NEP-2020, OBE and industry needs for LR26".

Deliberations:

(i)   The Chairperson has presented a comparison of Credits Balancing between LR24 and NEP 20 in terms of total hours, gaps in hours were identified as per NEP 20 and proposed changes were discussed to get additional hours.

(ii) The committee suggested to implement NEP guidelines for credits from LR26 in order to fulfill the purpose of OBE and industry needs.

(iii) Comparison of LR21, LR23, LR24 with OU and AICTE was presented before the Committee Members.

Resolution:

(i) Noted and approved by all the members of the committee.

The members of Board of Studies have appreciated the BoS chairperson and faculty members for their efforts in designing the Course Syllabi for V and VI Semesters and Course Structures of LR23, Course Syllabi for III and IV Semesters and Course Structure of LR24, Honors & Minor Engineering related works done and other items for which the efforts were made to facilitate discussions and decisions regarding Curriculum and Academic Standards keeping the curriculum up-to-date with Industry Trends and Global Changes ensuring that students to receive a Relevant and Effective Education.

Chairperson, Board of Studies is authorized to present the approved Course Structure and Syllabi to the Academic Council for the further suggestions and approval.

BOS Chairperson thanked all the members for the suggestions towards improvement.

Chairperson, Board of Studies acknowledged the suggestions provided by the BOS members, expressed gratitude for their acceptance of the invitation and participation in the meeting, and officially concluded the session with the approval of University Nominee and consensus of all BOS.

Attachments:

1) Annexure-I   : Action Taken Report on Fourth BoS Minutes.

Dr. S. Mohammad Rasool
BoS Chairperson & HOD
ECE Department
L.I.E.T.,Hyderabad

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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
AY: 2024-25
Action Taken Report on
4 BOS Minutes of Meeting held on 30.3.2024 at 10.00AM
***

S.no	Item	Action Taken
1.	**Item No.4: Review of LR21 B.E VII and VIII Semester Syllabi.** **Satellite Communications:** • All members approved the syllabus and proposed adding two additional textbooks to the recommended textbook reading list. Digital Signal Processor Architectures: • All members recommended renaming Unit III to TMS Processors and Unit IV to ADSP Processors. • Members suggested adding one more text book in recommended textbooks section. **Field Programmable Gate Arrays:** • Members recommended specifying titles for Unit II and Unit III. **Televisions and Video Engineering:** • Members proposed removing this subject from the course structure and replacing it with Principles of Communication. Semester-VIII: **Spread Spectrum Communications:** • Members recommended modifying Unit I to focus on CDMA and maintaining the subsequent units to cover spread spectrum topics. **Principles and Applications of AI:** • Members proposed renaming the subject to "AI".	• Two text book Names added in Digital Signal Processor Architecture • Renamed unit III and unit IV in ADSP. • Added one more text book name in all recommended textbook section. • As per recommendation we changed the title of II and III in FPGA Subject • We have removed Televisions and Video Engineering subject and replaced with principal communication. • As per the recommendation we modified Unit 1 and focused on CDMA in Spread spectrum Communication subject. • Changed the name with Artificial Intelligence.
2.	**Item No.5: Review of LR23 B.E III and IV Semester Syllabi.** **Electronic Devices Lab:** • Members suggested that experiments 11 and 12, namely "Design of HWR and FWR using simulator," should be designated as add-on experiments. Semester-IV: **Microprocessors & Microcontrollers Lab:**	• We have designated 11 and 12 Experiments as a add on experiments.

	• Members recommended condensing the laboratory sessions to only two cycles, each consisting of five experiments.	• AS per the suggestions we have divided into two cycles.
3.	**Item No.6: Confirmation of LR24 B.E. 8th Semester Course Structure.** **Semester-VI: Data Communications and Networks:** • Members recommended that Data Communications and Networks to be renamed as Data Communications and Computer Networks. **Data Communications and Networks Lab:** • Members recommended that Data Communications and Networks Lab to be renamed as Data Communications and Computer Networks Lab. **Semester-VII:** **Internship:** • Members proposed removing the line "During summer vacations after VI sem" from the curriculum and adding a note stating "the internship should be undertaken during vacation". **Semester-VIII: Professional Elective – IV:** **Principles and Applications of AI** • Members proposed that "Principles and Applications of AI" to be replaced with "AI/ML" subject. Open Elective – II: Principles of Data Communication and Network • Members proposed that "Principles of Data Communication and Network" to be replaced with "Introduction to Microprocessors & Microcontrollers" subject. **Open Elective – III:** Sensors for Engineering Applications • Members proposed that "Sensors for Engineering Applications" to be renamed as "Green Communication" subject.	We renamed Data Communications and Network with Data Communications and computer networks and lab name also changed In Structure we kept Note in VI sem structure about internship during summer vacation. As per the suggestions we have changed the name of Principles and Applications of AI" with "AI/ML We replaced the Principles of Data Communication and Network" with "Introduction to Microprocessors & Microcontrollers" subject. We changed the name as suggested in Open Elective -III

Signature of the HoD