LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY

UGC Autonomous

| Approved by AICTE | Affiliated to Osmania University |
Accredited by NBA | Accredited 'A' grade by NAAC || Certified by ISO.

Estd. 2002

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Date: 11-04-2023

Minutes of the Meeting of Third Board of Studies

The third Board of Studies Meeting of the Department of Electronics and Communication Engineering was held on 11-04-2023 at 10:30 AM in Technology Business Incubator office, Lords Institute of Engineering and Technology, Hyderabad.

Members Present:

Sl No.	Name of the BoS Member	External/Internal	Signature
1.	Dr. S Mohammad Rasool Associate Professor & HOD, Dept. of ECE, Lords Institute of Engineering and Technology, Hyderabad	Chairperson, BoS	
2.	Dr. Nirmala Devi Professor & HoD, ECE, OU, Hyderabad.	External Member (OU Nominee)	(Online) 25/4/23
3.	Dr. D. Nageswara Rao Professor & HOD, Dept. of ECE, TKR College of Engineering & Technology, Hyderabad.	External Member (Subject Expert)	HEAD ECE, UCE, O' Hyd-7
4.	Dr. S. Thulasi Prasad Professor, Department of ECE VJIT, Hyderabad.	External Member (Subject Expert)	
5.	Mr. Aman Kumar Senior Design Engineer, Alten Calsoft Lab, Hyderabad	External Member (Industry Expert)	(Online)
6.	Mrs. K. Aparna System Engineering Consultant, Deloitte, Hyderabad.	External Member (Alumni)	(Online)
7.	Dr. C. Venkata Narasimhulu Professor of ECE & Principal LIET, Hyderabad.	Internal Member	
8.	Dr. K. Shashidhar Professor of ECE ,LIET	Internal Member	Absent
9.	Dr. Altaf.C Associate Professor of ECE ,LIET	Internal Member	
10.	Mr. Imaduddin Associate Professor of ECE ,LIET	Internal Member	
11.	Mrs. Sapna Gangrade Assistant Professor of ECE ,LIET	Internal Member	

Agenda:

1. Confirmation of Minutes of last BoS Meeting held on 08-07-2022
2. Action taken report on last BoS Meeting
3. Finalization of 5th & 6th Semester Syllabi.
4. Discussion & Finalization of 4 years B.E ECE (LR-23) Programme Course Structure.
5. Ratification and Approval of External Examiners, SEE Question Paper setters & Evaluators (UG)
6. Suggestions on Innovative Teaching Learning Methods.
7. Suggestions on research & Development, Consultancy in the field of ECE.

Dr. Shaik Mohammad Rasool, HOD – ECE & Chairperson, Board of Studies, and ECE welcomed all the
External & Internal Members

The following are the deliberations and recommendations as per agenda

Item No. 1: Confirmation of Minutes of last BoS Meeting held on 08-07-2022

Chairperson BoS has presented Minutes of Last BoS meeting held on 08-07-2022 and it has been approved
with minor modifications as given below.

❖ The topic Biasing & Stabilization circuits and Photo Transistor should be added and IC Fabrication
  Process should be removed in Electronic Devices course syllabus.
❖ All the labs should have 10 Experiments rather than 12.
❖ All subjects should have 5 course Objectives and 5 Course outcomes.
❖ Signal & Systems subject titles have been changed.
❖ To change the title of subject Business English, as it sounds like as MBA subject and also to change
  Lab title Advanced Communication Skills for professional lab with Advanced Communication
  Skills Lab. Same modifications should be informed to English Department for their BoS.
❖ Remove 555 Timer and Voltage Regulator from Pulse and Linear Integrated Circuits subject and
  modify the title of the units.

Resolution: It has been resolved and modifications will be implemented according.

Item No. 2: Action Taken Report on Last BoS meeting
The Chairman BoS presented Action taken report of last BoS meeting .The action taken report on the last
BoS meeting is attached as an Annexure –I

Resolution: After elaborate discussion, the Action taken report on the last BOS meeting, which is attached
as Annexure –I is approved.

Item No. 3: Finalization of 5th & 6th Sem Syllabi

The B.E. – ECE Syllabus of 5th & 6th Sem under the LR -21 was presented by the Chairperson, BoS. The
BoS members have noted, discussed and approved the course structure with minor suggestions as
mentioned below:
Semester-V:

❖ Members suggested to include the topic LPDC in III unit of subject Digital Communication.
❖ In MPMC lab ARM Processor Experiments should be included.
❖ BoS chairperson suggested to change Control system & Instrumentation as Control systems only.
❖ Electronic Measurement & Instrumentation subject was included under PEC-1.
❖ Members suggested to change the title of unit IV to Introduction to Operating System of the subject
  Computer Organization and Operating System (PEC-1).

❖ Members Suggested to change the order of the Units of the subject Electronic Measurement and Instrumentation(PEC-1)

Semester-VI:
❖ Members suggested to add the text book Basic VLSI Design by Douglas A. Pucknell (Latest Edition) in VLSI Design Suggested Readings.
❖ Members suggested to give the generalized titles to all the units of the subject Digital Signal Processing.
❖ Members suggested to change the II unit to III unit and III unit to II unit, IV unit topic Realization of Filters should be added in III unit and MultiRate Digital signal processing should be kept in IV unit.
❖ Members suggested to change the course title from Wireless Communication to Cellular and Wireless Communication.
❖ BoS Chairperson inform to the members that Embedded System Design subject shifted to PEC-2.

Resolution: After elaborate discussion, it was confirmed by Chairperson, BoS that the modifications will be incorporated as suggested which is attached as an Annexure –II

Item No. 4: Discussion & Finalization of 4 years B.E ECE (LR-23) Programme Course Structure

The B.E. – ECE Course Structure for I to VIII semesters under the Regulations LR-23 was presented by the chairperson, BoS. The BoS members have noted, discussed and approved the course structure with minor suggestions as mentioned below:

Semester-I:
❖ The members noted and approved

Semester-II:
❖ The members noted and approved

Semester-III:
❖ Members suggested to change the subject name Digital System Design to Digital Electronics and Digital System Design Lab to Digital Electronics lab

Semester-IV:
❖ The members noted and approved

Semester-V:
❖ The members noted and approved

Semester-VI:
❖ The members noted and approved

Semester-VII:
❖ Members Suggested to split the Major Project in two phases .Phase -1 should be included in VII sem.

Semester-VIII:
❖ The members noted and approved
❖ In Open Elective -1 Member suggested to change the title of the subject Principles of Electronic Communication to Principles of Communication Theory.
❖ Members suggested to replace the subject Semi conductor Devices with IoT Fundamentals.
❖ In Open Elective -3 Members suggested to replace subject title IoT Protocols with IoT Applications.
❖ BoS Members suggested to replace the subject Television and Video Engineering with Sensors for Engineering Applications.
❖ Members Suggested to split the Major Project in two phases .Phase -2 shoulds be included in VIII sem.

Resolution: After elaborate discussion, it was confirmed by Chairperson, BoS that the modifications will be incorporated as suggested which is attached as an Annexure –III

- ❖ BoS Chairperson presented to members the Paper setters and Evaluators for ratification and approval.

Resolution: Bos members ratified and approved Paper setters and Evaluators which is attached as an Annexure -IV

Item No. 6: Suggestions on Innovative teaching, learning and evaluation Methods.

- ❖ Members suggested to introduce problem based learning and project based learning for the courses based on analytical and application oriented approach.
- ❖ To conduct at least one Industrial visit related to real time application of the subject for better understanding.
- ❖ To guide and prepare students for GATE examination and other competitive exams (IES, UPSC, etc.)
- ❖ To identify slow learners and conduct remedial classes and additional tests.

Resolution: The suggestion by the BoS members are noted and will be implemented from upcoming semester

Item No. 7: Suggestions on Research & Development, Consultancy in the field of ECE.

- • BoS members suggested to make one Industrial visit and one Internship mandatory with/without credits.
- • R&D Proposal notifications from different funding bodies like AICTE, DST, SERB, and CSIR are to be circulated among faculty. Faculty should work and write funding proposals.
- • Awareness programs should be conducted which includes Research publish articles in Web of Science and Scopus Indexed Journals.
- • The faculty members should be encouraged to do consultancy work from various renewed industries.

Resolution: After elaborate discussion, it has been redirected to do Research work and Consultancy work with strengthened suggestions made by BoS.

Members of Board of Studies recommended the above resolutions to be presented in the Academic Council for further discussions and approval.
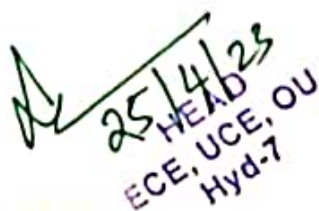
BoS Chairperson thanked all the BOS members for spending quality time in reviewing the all agenda points and for providing valuable inputs.
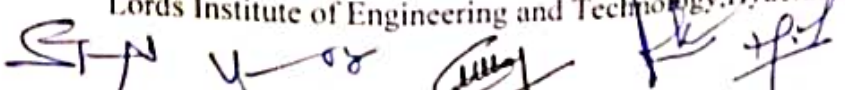
List of Enclosures:

1. Action Taken Report of second BoS meeting (Annexure –I)
2. LR -21 V & VI Sem Syllabus (Annexure-II)
3. LR-23 Course Structure (Annexure –III)
4. List of Evaluators and Paper setters were ratified and approved (Annexure –IV)

Dr. Shaik Mahammad Rasool

BoS Chairperson & Head,

25/4/23
HEAD
ECE, UCE, OU
Hyd-7

Department of Electronics and Communication Engineering
Lords Institute of Engineering and Technology, Hyderabad.

LORDS INSTITUTE OF ENGINEERING & TECHNOLOGY
(Autonomous)

Approved by AICTE | Affiliated to Osmania University | Accredited 'A' grade by NAAC | Accredited by NBA
Campus Address: Survey No.32, HimayatSagar, Near TSPA, Hyderabad – 500091 www.lords.ac.in

DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
(ANNEXURE -I)

S. No	Points Discussed	Action Plan Taken
1.	**Semester-III:** ❖ It is suggested to include Biasing & Stabilization circuits and Photo Transistor and to remove IC Fabrication Process in Electronic Devices course syllabus. ❖ The committee suggested changing the no of Experiments to 10 rather than 12 in all Labs. ❖ The committee opined that it is sufficient to have 3 course Objectives and 5 Course outcomes for all subjects. ❖ Suggested to change Signal & Systems subject titles of units. ❖ It is Suggested to change the Business English Title, as it appears as MBA subject and Suggested to change Advanced Communication Skills for professional lab with Advanced Communication Skills Lab and it is to be informed to English Department for their BoS. **Semester-IV:** ❖ The committee recommended to remove 555 Timer and Voltage Regulator from Pulse and Linear Integrated Circuits subject and to modify the tiles of the units.	All the Suggestions given by the university Nominee have been taken up to be included in the syllabus and bounded.
2.	**Finalization of service courses syllabi of UG and PG** ❖ 3rd Semester Service Course namely ADE (Analog and Digital Electronics) subjects of CSE , CSE(AIML) , CSE (DS) , AIML and IT Departments and the committee Members noted. ❖ 3rd Semester CSE M.E subject titled Embedded System which is elective for them and the committee Members noted.	All the Suggestions given by the university Nominee have been taken up to be included in the syllabus and bounded.

26/4/23

HEAD
CE, UCE, OU
Hyd-7

BoS Chairperson