



Faculty of Engineering
Department of Electronics and Communication Engineering

Feedback Analysis - 2016-17

The feedback from various stakeholders for the UG and PG programmes of Department of Electronics & Communication Engineering to be considered for curriculum revision for the academic year 2016-17 are summarized below.

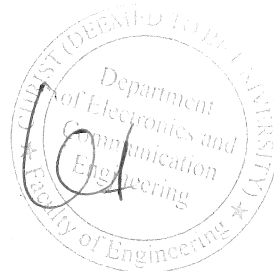
Student and Alumni Feedback

- Introduction of more industry/application oriented subjects to the elective basket for UG and PG.
- More practical sessions for the subjects in the curriculum

External Expert/ External Examiner Feedback

- The need for Solid State Electronic Devices in the Elective I: Advanced Electronics basket to be considered. Suggestion was to replace the same with a course on a more updated Microelectronic Circuits.
- Reordering of syllabus of VLSI Design (EC631) - Moving the current Unit V i.e. CMOS Chip Design to Unit III and moving the current Unit III i.e. Verilog HDL to Unit V.
- Introduction of a reference book on Verilog HDL by Peter Ashenden.
- Suggestion to move VLSI Subsystems as a core subject in 7th semester instead of elective
- Interchange of Unit III and Unit V of Advanced Electronic System Design (Elective course under VLSI and Embedded Systems Basket)
- Suggestion to include verification tools like Mentor Graphics in VLSI Subsystems.

These points are to be considered for discussion in the Department CDC meeting and expected to arrive at a final conclusion regarding the proposals to the BOS meeting for curriculum revision based on the feedbacks received.



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FACULTY OF ENGINEERING, CHRIST UNIVERSITY

Department of Electronics & Communication Engineering

Board of Studies
20 January, 2017
Attendance Sheet

Sl.No	NAME OF THE MEMBER	SIGNATURE
EXTERNAL MEMBER		
1	Dr. Arzad Alam Kherani Principal Engineer Hubble Connected India Pvt.Ltd.	<i>Arzad</i>
2	Dr. G.Lakshminarayanan Associate Professor, Department of ECE., NIT, Tiruchirappalli	<i>G.Lakshminarayanan</i> 20/1/17
INTERNAL MEMBER		
1	Inbanila K-Co-Ordinator	<i>Inbanila</i>
2	Abhijith BN	<i>Abhijith</i>
3	Chandra Mukherjee	<i>Chandra</i>
4	Delson TR	<i>Delson</i>
5	Partha	<i>Partha</i>
6	Pradeep Kumar G	<i>Pradeep Kumar G</i> 20/01/17
7	Shanthakumar.M	<i>Shanthakumar.M</i>
8	Shashikumar D	<i>Shashikumar D</i>
9	Sreekala K	<i>Sreekala K</i>
10	Dr.Suganthi .S	← ABSENT →
11	Sushanth G	<i>Sushanth G</i>
12	Tony Aby Varkey	<i>Tony Aby Varkey</i>
13	Vivek R	<i>Vivek R</i>
CHAIRMAN		
1	Dr. Iven Jose Associate Dean Faculty of Engineering	<i>Dr. Iven Jose</i> 20/01/2017

Faculty of Engineering
Christ University
Kengeri Campus



CHRIST

FACULTY OF ENGINEERING, CHRIST UNIVERSITY

Department of Electronics & Communication Engineering

Board of Studies
30, January, 2017
Attendance Sheet

Sl.No	NAME OF THE MEMBER	SIGNATURE
EXTERNAL MEMBER		
1	Dr. Alphonse Arockiaswami Associate Professor, Department of Electrical and Electronics Engineering, School Of Engineering, Nanyang Technological University (NTU), Singapore	<i>Dr. Alphonse Arockiaswami</i>
INTERNAL MEMBER		
1	Inbanila K-Co-Ordinator	<i>Inbanila</i>
2	Abhijith BN	<i>Abhijith</i>
3	Delson TR	<i>Delson</i>
4	Pradeep Kumar G	<i>Pradeep</i>
5	Ramani.G	<i>Ramani.G</i>
6	Shashikumar D	<i>Shashikumar D</i>
7	Dr.Suganthi .S	<i>Dr.Suganthi .S</i>
8	Sushanth G	<i>Sushanth G</i>
9	Vinay Jha Pillai	<i>Vinay Jha Pillai</i>
10	Anudeep Kamma	<i>Anudeep Kamma</i>
11	Rensy.P.Kuncheria	<i>Rensy.P.Kuncheria</i>



30/01/2017
Faculty of Engineering
Christ University
Kengeri Campus

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Minutes of the Eighth Meeting of the Board of Studies of the Department of Electronics and Communication Engineering held on 20/01/2017 at 02:00 pm at the Conference Room, I Block, Christ University, Kengeri Campus.

In the Chair: Dr. Iven Jose, Head of the Department

Members Present

One person was absent. All other members as per the attendance list were present

Leave of Absence

Dr. Suganthi was absent.

Declaration of Quorum and Calling the Meeting to Order

The Chairperson declared the validity of the quorum and called the Meeting to Order.

Matters on the Agenda

1. To confirm the Minutes of the previous meeting held on 23/01/2016.

The minutes of the previous meeting of the Board of Studies as per Annexure A to the Notice was duly reviewed and approved by the meeting. It was noted that there were no matters arising out of the Minutes.

2. To consider and recommend the change in curriculum for B.Tech-ECE, M.Tech Degree Programme

The Board of Studies reviewed the proposed changes in curriculum for all the core and elective Papers of B.Tech-ECE and M.Tech-Communication Systems as presented at the meeting.

The following were the proposed changes.

Inclusion of

1. Antenna Measurements, applications in Antennas and Wave Propagation.
2. Internet Security in the elective subject Internet and Java.
3. Experiments based on a simulation tool in each of the units of Microstrip Antennas.
4. Services and applications of satellites in Satellite Communication.
5. New electives

(a) Reliability Engineering for both B.Tech and M.Tech

(b) Process Dynamics and control for B.Tech.

6. MTEC133-Modern Digital Communication Techniques syllabus is modified and renamed as Advanced Digital Communication

7. Moving of existing MTEC234 – Detection & Estimation theory as a core course to elective and making Communication Network Security as the core course i.e. MTEC234

Having considered the validity of the reasons for the suggested changes, the Board approved the same subject for the approval of the Academic Council.



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3. To consider and approve the Certificate Program

The Board considered the proposed Certificate Course in Embedded Systems Design as per details given in Annexure D of the Notice and approved the same. The Board appreciated the value adding benefits of the Course.

4. To review the CIA pattern for the B.Tech-ECE Programme

The modifications suggested in assessment pattern for the B.Tech degree programme was considered by BOS and approved. The weightage of CIA component and end semester component would be in the ratio 70:30 for theory subjects integrated with practical.

Minimum Pass marks of 40% in practical component assessed as CIA -3 is made eligibility criteria to attend the End semester Theory examination.

5. To review the Results of the ESE October 2016 for B.Tech-ECE Programme and M.Tech Communication Systems

The Result Analysis of the End Semester Examinations for B.Tech-ECE and M.Tech Communication Systems was reviewed by the BOS Experts.

6. To consider any other matter with the permission of the Chair

The road map to NBA accreditation was briefly presented during the meeting.

The following are the comments and suggestions from the panel:

1. Reshuffling of topics in EC333-Topics relevant to BJT to be kept before FET
2. Inclusion of USB standards in EC432-Computer Organization.
3. MIMO, OFDM can be added as elective in the PG curriculum.
4. Addition of Optimization technique as a subject for PG course.
5. Offering 1 credit courses handled by Industry Experts.
6. Introduction to full duplex wireless communication using USRP or other transceiver to be introduced in PG course

The following are the comments and suggestions given by Dr. Arockiaswami Alphons, Associate Professor, Nanyang Technological University(NTU), Singapore during the BOS meeting happened on 30/1/2017.

7. LTP Model of NTU and Christ University matches.
8. CIA:ESE ratio for courses is 40:60 in NTU
9. Core courses offered by Dept. of ECE matches that with NTU.
10. Elective classification is also similar to that of NTU where they follow prescribed electives for program electives and unrestricted electives similar to open electives.
11. Introduction of log books which should be endorsed by the industrial supervisor and evaluated by the internal panel periodically for internship assessment.
12. Introduction of minor programs in other disciplines to cater to advanced learners
13. Introduction of individual projects instead of group projects for UG

With no other matters to discuss the Chairperson adjourned the meeting thanking all the participants. The Chairperson particularly thanked Dr.G.Lakshmunarayanan and Dr.Arzzad Alam Kherani for their presence and valuable suggestions.

31/01/2017
Dr. Iven Jose
Chairperson
Board of Studies



Faculty of Engineering
Department of Electronics and Communication Engineering
Action Taken Report on Syllabus 2016-17

Department of Electronics and Communication Engineering has made it mandatory to collect feedback from all the stakeholders for revision of curriculum. This feedback is later analyzed and discussed in the Curriculum Design and Development Cell (CDC) at the department to ensure that the feedback is taken positively and implemented for the next academic year. This academic year of 2016-17, feedback were collected from various stakeholders like students, teachers, alumni and industry experts along with parents. These feedback were then analyzed and deliberated in meetings within the department. Through these discussions and deliberations, a feasibility analysis was performed and the following are the actions taken based on the same. This will be implemented for the academic year of 2017-18.

Action Taken

Action taken as per the suggestions of the stakeholders and department BOS, for the academic year 2016-17 to be implemented in 2017-18 is as follows:

Inclusion of

1. Antenna Measurements, applications in Antennas and Wave Propagation.
2. Internet Security in the elective subject Internet and Java.
3. Experiments based on a simulation tool in each of the units of Microstrip Antennas.
4. Services and applications of satellites in Satellite Communication.
5. New electives
 - (a) Reliability Engineering for both B.Tech and M.Tech
 - (b) Process Dynamics and control for B.Tech.
6. MTEC133-Modern Digital Communication Techniques syllabus is modified and renamed as Advanced Digital Communication
7. Moving of existing MTEC234 - Detection & Estimation theory as a core course to elective and making Communication Network Security as the core course i.e. MTEC234

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