

FACULTY OF ENGINEERING, CHRIST UNIVERSITY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Academic year 2017-18

12-02-2018

Feedback analysis and curriculum revision

Summary of feedback from various stake holders

Students	Parents	Industry	Faculty
Improve the placements through curriculum	Align curriculum to suit the market requirements	More time for Internships or projects- 2 months are not sufficient	Six month internships
More flexibility in curriculum	More courses in the elective baskets	Training in latest technologies	Flexible curriculum to suit diverse student interests
Certificate programmes			

Action taken based on these points

1	Provision for 6 months internship in the final semester. The courses in the eighth semester B. Tech will be completed in the fast track mode
2	CIMA courses are provided as an optional certificate programme
3	1 credit courses are added in the curriculum to make curriculum more flexible
4	Contents of some core and elective courses were improved by adding latest topics and by removing repetitive content
5	Vision, mission, PEO, PSO statements finalized for the programmes to initialize the journey towards NBA.

These changes were proposed in the BOS meeting and were approved by the BOS.

Head, Department of Electrical & Electronics Engineering



Minutes of the 9th Meeting of the Board of Studies of the Department of Electrical and Electronics Engineering held on 3rd February 2018 at 9.30 am at the Conference Room, First Block, Kengeri Campus, CHRIST (Deemed to be University)

In the Chair: Dr Iven Jose, Associate Dean, Faculty of Engineering

Members Present:

All members in the attendance list (Annexure A) were present.

Declaration of Quorum and Calling the Meeting to Order:

The head of Electronics & Communication Engineering department commenced the meeting with a silent prayer followed by a note of welcome to all the members and the invitee. Thereafter 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 21st January, 2017
The minutes of the previous meeting of the Board of Studies was duly reviewed and approved by the meeting. It was noted that there were no matters arising out of the minutes.
2. To ratify the circular resolution passed on 16th October 2017.
Circular resolution was passed on 16 October 2017 on the policies for the full time industry mode project (EE871) in eighth semester for the students having consistent academic record with no backlogs. The Board ratified the circular resolution without any amendments.
3. To consider and recommend the changes in the curriculum for the following programmes
Following changes were suggested for inclusion in the structure (Annexure B).
 - A. B. Tech (Electrical and Electronics Engineering)-Proposals (as per Annexure B)
 1. Introduction of a new elective course instead of Utilization of Electrical Energy Course (EE536)
 2. Introduction of 1 credit courses in curriculum which the students can opt beyond their regular courses.
 3. Changes in syllabus contents of courses EE133/233, EE434, EE533, EE631, EE3636OE06 as per the suggestions made in the Annexure B.
 4. One credit courses [Three such courses would be equivalent to one elective course of 3 credits] in lieu of eighth semester Elective courses EE832 and EE833. Students have an option of selecting any three one credit courses.
 5. The Elective III course name EE734A Advanced Power Electronics is modified as Advanced Converter Design.

Actions: After due review the proposal was approved by the Board.

B. M. Tech (Power Systems)

Proposal (As per Annexure C)

1. The contents of MTEE131, MTEE331D and MTEE333B are modified as per the Annexure C.
2. MTEE235E Modeling and Analysis of Electrical Machines is removed from the elective list and essential contents of that course is included in first and second units of the core course MTEE232 Power System Dynamics and Control. The Elective course code of MTEE235F Advanced Control Systems is renamed as MTEE235E.

Actions: After due review the proposal was approved by the Board.

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4. To consider and approve the One Credit Courses

The list of one credit courses are given with syllabus document

Actions: After due review the proposal was approved by the Board.

5. To consider and approve the evaluation scheme, CIA pattern and the end semester examination of combined one credit courses

Proposal

- a) Students to select a minimum of three courses each from one credit course list to be qualified equivalent to EE832/EE833 with 3 credits. (Three one credit courses = one three credit elective course)
- b) Assessment pattern will be as per the practical courses

Action: After due review the proposal was approved by the board

**6. Introduction of CIMA- (Chartered Institute of Management Accountants)
In Undergraduate programme as Certificate /Elective Course.**

The Board appreciated this Initiative and recommended introduction of this course during early Semesters.

7. To consider and approval of the panel of examiners

The board discussed and approved a panel of examiners (As per Annexure D).

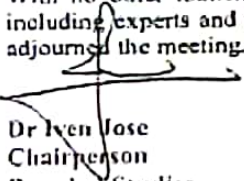
8. To consider and approval of the selection criteria, admission process for the B. Tech and M. Tech programmes

The Board approved the selection and admission criteria adhered by the department for the B. Tech and M. Tech programmes applicable from 2018-19.

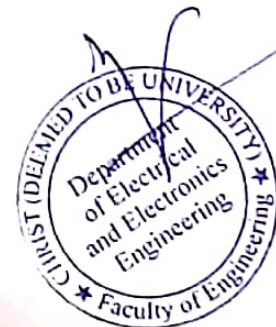
9. To consider any others matters with the permission of the Chair.

The Board Discussed the National Board of Accreditation (NBA) processes for the accreditation of the BTech and MTech programme. It also discussed the Vision, Mission and Programme Educational Objectives (As per Annexure E) of the department. After the due deliberations the Board approved the Vision, Mission, and Programme Educational Objectives of the Department.

With no other matters to discuss Chairperson thanked all the board of studies members including experts and invitees for their presence and valuable suggestions. The Chairperson adjourned the meeting.


Dr Iven Jose
Chairperson
Board of Studies

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a.m.m / 2018/19



Changes adopted based on feedback:

1. Contents like Introduction to smart grid-Basic architecture, Technologies; Introduction to Electric Vehicle included
2. Elective course on E-mobility included
3. Informal laboratory sessions added to improve skill training

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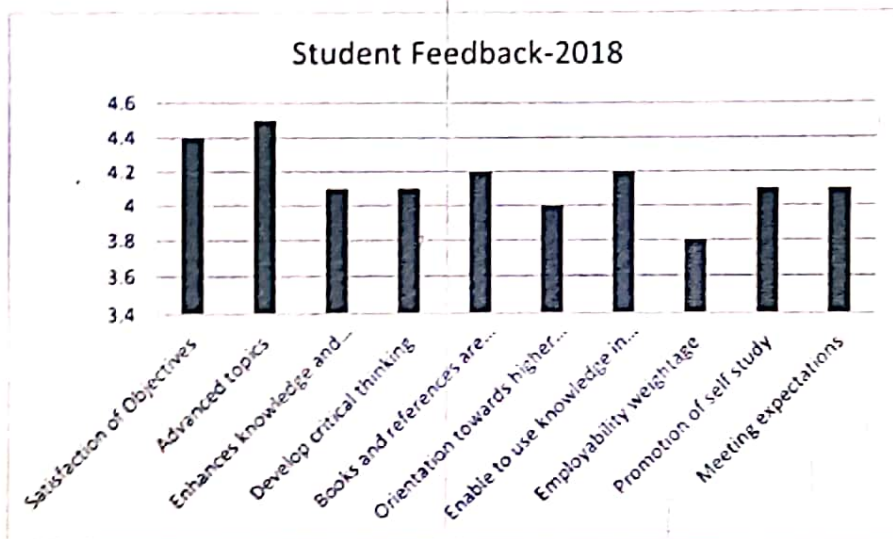
Head, Department of Electrical & Electronics Engineering



School of Engineering and Technology
Department of Electrical & Electronics Engineering
Analysis of Feedback on Curriculum, January 2018

1. Student Feedback

Total number of feedbacks -10		
	Criteria	Average
1	Satisfaction of Objectives	4.4
2	Advanced topics	4.5
3	Enhances knowledge and skills	4.1
4	Develop critical thinking	4.1
5	Books and references are relevant?	4.2
6	Orientation towards higher education	4
7	Enable to use knowledge in real life	4.2
8	Employability weightage	3.8
9	Promotion of self study	4.1
10	Meeting expectations	4.1



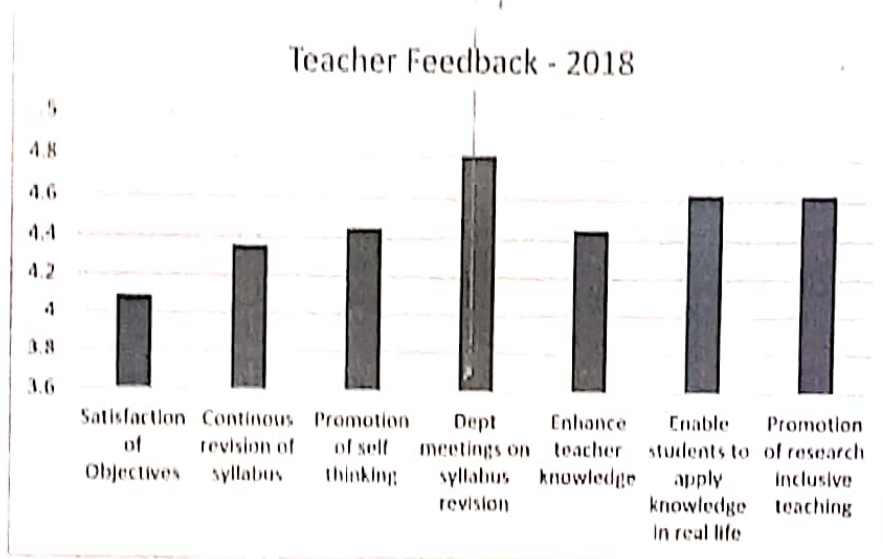
Conclusions:

- i. Employability to be improved through curriculum
- ii. Better orientation for higher studies to be given



2. Teacher feedback

Total number of feedbacks -11		
	Criteria	Average (5)
1	Satisfaction of Objectives	4.09
2	Continuous revision of syllabus	4.36
3	Promotion of self thinking	4.45
4	Dept meetings on syllabus revision	4.81
5	Enhance teacher knowledge	4.45
6	Enable students to apply knowledge in real life	4.63
7	Promotion of research inclusive teaching	4.63

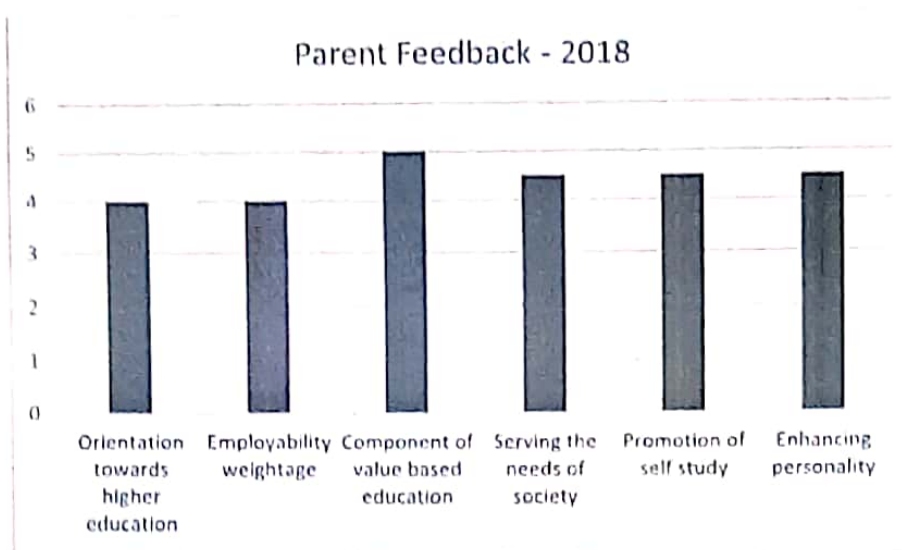


Conclusions

- i. The objectives of the courses to be clearly defined.
- ii. The syllabus needs better revision to align with OBE

3. Parent Feedback

Total number of feedbacks -2		
	Criteria	Average
1	Orientation towards higher education	4
2	Employability weightage	4
3	Component of value-based education	5
4	Serving the needs of society	4.5
5	Promotion of self-study	4.5
6	Enhancing personality	4.5

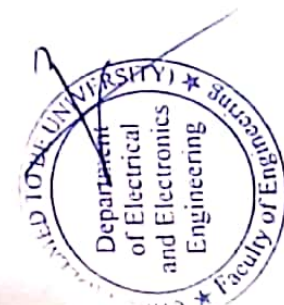


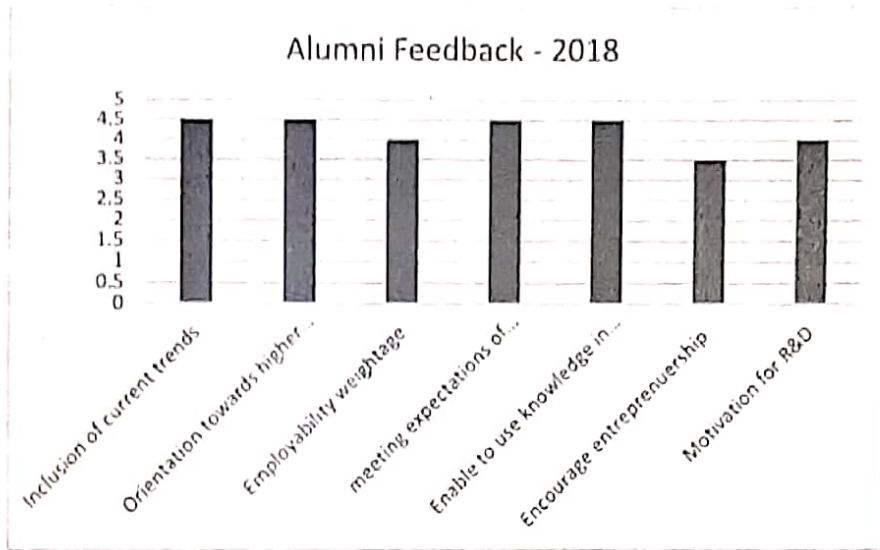
Conclusions

- i. Curriculum should improve employability
- ii. Parents are satisfied with value-based education

4. Alumni feedback

Total number of feedbacks -2		
	Criteria	Average
1	Inclusion of current trends	4.5
2	Orientation towards higher education	4.5
3	Employability weightage	4
4	meeting expectations of industry	4.5
5	Enable to use knowledge in real life	4.5
6	Encourage entrepreneurship	3.5
7	Motivation for R&D	4



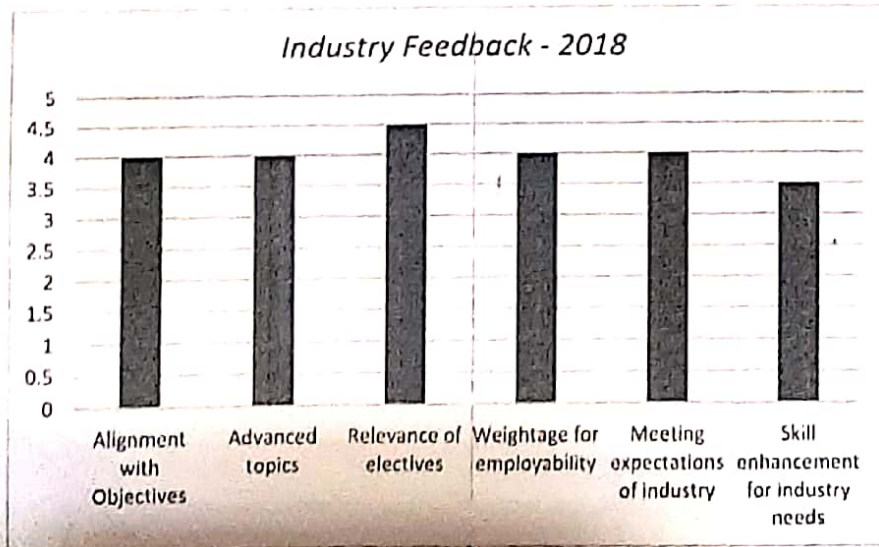


Conclusions

- i. Skills to be developed- both software and hardware
- ii. Entrepreneurship skills to be included

5. Industry Feedback

Total number of feedbacks -2		
	Criteria	Average
1	Alignment with Objectives	4
2	Advanced topics	4
3	Relevance of electives	4.5
4	Weightage for employability	4
5	Meeting expectations of industry	4
6	Skill enhancement for industry needs	3.5



Conclusions

- i. Skills training to be intensified and it should be on diverse topics
- ii. Advanced topics to be included in new areas

Recommendations based on the feedback analysis

- 1. Courses on Electrical Mobility to be added to utilize the market conditions
- 2. Flexible courses like one credit courses to be added to improve higher education option as well as to bridge the gap between industry and curriculum
- 3. Trainings to be given on hardware like drives and on software.

BOS 2018 Minutes



FACULTY OF ENGINEERING

Department of Electrical & Electronics Engineering
Board of Studies
3, February, 2018

Attendance Sheet

SL No	NAME OF THE MEMBER	SIGNATURE
INTERNAL MEMBERS		
1	Dr. Iven Jose (Chair Person) Associate Dean, Faculty of Engineering	
2	Dr. Joseph Rodrigues Professor and Head, Dept. of Electrical and Electronics Engineering (EEE)	
3	Ms. Nirmala John Associate Professor, EEE	Nirma/1
4	Dr. Varaprasad Jannualla, Assistant Professor, EEE	
5	Mr. Manikandan P Assistant Professor, EEE	
6	Mr. Haameesh K M Assistant Professor, EEE	
7	Mr. Venkataswamy R Assistant Professor, EEE	

SL No	NAME OF THE MEMBER	SIGNATURE
EXTERNAL MEMBERS		
1	Dr. Srinivasa Rao, Associate Professor, Department of Electrical Engineering, NIT Warangal (Academic Expert)	 03/2/18
2	Mr. Anil Ralkar, Senior Scientist, Philips Lighting India Limited (Industry Expert)	 03/2/18

Faculty of Engineering
Christ (Deemed to be University)
Kannur Campus

