

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

Academic year 2015-16

26-01-2016

Feedback analysis and curriculum revision

**Summary of student feedback**

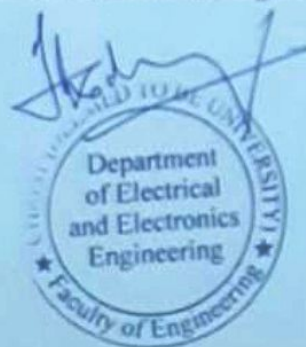
1. More practical oriented courses to improve learning
2. To include live project based training to improve employability
3. To include more courses related to power electronics and to add mini project in the PG curriculum

**Action taken based on the feedback**

The following changes proposed in the BOS and are approved.

1. A lab with theory course included in the seventh semester of B. Tech (Electrical & Electronics Engineering) programme.
2. Some courses are renamed in line with AICTE model to improve employability
3. Service learning course is added in the B. Tech curriculum to improve hand on training and to enable students to solve real life problems in the immediate society
4. Contents of three courses in PG curriculum modified to include advanced topics as per the suggestions from the industry representatives.
5. The other suggestions by the CDC based on curriculum feedback from various stake holders will be considered while the major modifications are allowed in the curriculum.

**Head, Department of Electrical & Electronics Engineering**



**Conclusions**

- i. The gap between industry expectations and academia to be reduced
- ii. Skill enhancement to be done

**Recommendations based on the feedback analysis**

- 1. Employability components in the curriculum to be improved
- 2. Self-study component to be enhanced

**2016 BOS minutes**



**FACULTY OF ENGINEERING, CHRIST UNIVERSITY**  
Department of Electrical & Electronics Engineering

Board of Studies  
23, January, 2016  
Attendance Sheet

Sl.No	NAME OF THE MEMBER	SIGNATURE
<b>EXTERNAL MEMBER</b>		
	Dr. Balaraman K Head & CGM, PRDC-Bangalore	<i>[Signature]</i>
	Dr. Ashok S Professor, Department of EE, NIT Calicut	<i>[Signature]</i>
<b>INTERNAL MEMBER</b>		
1	Nirmala John-Co-Ordinator	<i>[Signature]</i>
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7	Varaprasad Janavala	<i>[Signature]</i>
8	Venkataswamy R	<i>[Signature]</i>
9	Vijaya Margaret	<i>[Signature]</i>
<b>CHAIRMAN</b>		
1	Dr. Iven Jose Associate Dean Faculty of Engineering	<i>[Signature]</i>

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Faculty of Engineering  
Christ University  
Kengeri Campus



Minutes of the VII<sup>th</sup> Meeting of the Board of Studies of the Department of Electrical & Electronics held on 23<sup>rd</sup> January 2016, Saturday at 11 AM at Conference Room, First Block, Faculty of Engineering, Christ University (CUFE), Kengeri Campus.

- In the Chair

Dr. Iven Jose, Associate Dean, CUFE

- Members Present

All members as per the attendance list were present

- Leave of absence

There was no leave of absence.

- Declaration of Quorum & Calling the Meeting to Order

The Chairman declared the validity of the Quorum and called the Meeting to Order.

- Matters on the agenda

1. To confirm the Minutes of the previous BOS meeting held on 27<sup>th</sup> January 2015.

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 consider and recommend the change in curriculum for B.Tech(EEE) Degree Program, 2016-20

The Board of Studies reviewed the proposed changes in the curriculum of B.Tech(EEE) Degree programme as presented at the meeting.

Having considered the validity of the reasons for the suggested changes, the Board approved the proposal for changes in the curriculum subject to approval of the Academic Council.

**B.Tech EEE (proposed changes)**

1. To rename Electromagnetic Fields as Field Theory and revise the curriculum of Field theory

2. To rename DC Machines and Transformers as Electrical Machines I and Induction Machines and Synchronous Machines as Electrical Machines II and the respective laboratories as Electrical Machines Lab I and Electrical Machines Lab II

3. To rename Protection and SwitchGear as SwitchGear and Protection

4. To shift Linear Integrated Circuits, both theory and lab to VI semester

5. To rename Design of Electrical Apparatus as Design of Electrical Machines and shift it to VII semester and restructure the content of Unit I

6. To include Service learning in place of Mini Project in VII semester B.Tech

3. To consider and recommend the change in curriculum for MTech (Power Systems) Degree Programme, 2016-18

The Board of Studies reviewed the proposed changes in the curriculum of M.tech(Power Systems) degree programme as presented at the meeting

7<sup>th</sup> BOS [23-January-2016]

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M. Jose

Having considered the validity of the reasons for the suggested changes, the Board approved the proposal for changes in the curriculum subject to approval of the Academic Council.

### M.Tech(proposed changes)

1. To redefine the syllabus content of Power Electronics and FACTS controllers
2. To include hardware experiments in Survey of Electrical Power Generation and Distribution
4. To review the CIA pattern for the B.Tech Degree Programme.  
The existing CIA pattern was reviewed by BOS and confirmed.
5. To review the results of the ESE October 2015 for B.Tech (EEE) and M.Tech(Power Systems) Programmes  
The result analysis of the end semester examinations was reviewed by the BOS. No specific suggestions or comments emerged from the review.
6. To consider and recommend the change in curriculum for Btech, Year 2015-16, presently appearing in the Vith Semester (Mini Project) to be replaced as service learning in the same semester.
7. Discussion and Implementation of minimum course curriculum for undergraduate courses under choice based credit system.
8. To consider any other matter with the permission of the Chair.  
The expert members suggested the following points for M.Tech (Power Systems) with due permission from the chair
  1. To further redefine the content of Power Electronics and FACTS Controllers and see the possibility of including a separate Advanced Power Electronics course
  2. To rename Operation of Restructured Power Systems as Restructured Power Systems and include market models
  3. To redefine the content of Advanced Power System Protection by including Numerical Protection
  4. To see the possibility of removing Survey lab and including mini project

After due review, the proposals 1 to 3 were approved by the board and proposal 4 was decided to be considered for future BOS

With no other matters to discuss, the Chairman adjourned the meeting after the vote of thanks proposed by Prof. Venkataswamy. The Chairman particularly thanked Dr. Ashok S. and Dr. Balaraman K. for their presence and valuable suggestions.

  
Chairperson  
Board of Studies  
Faculty of Engineering, Christ University

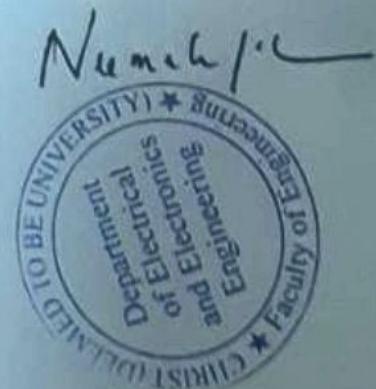
[22 January 2016]

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Minutes

### Changes adopted based on feedback:

1. Service learning is added in curriculum to improve the skills to face societal and real life scenario
2. Courses are modified with contents to improve the employability



FACULTY OF ENGINEERING, CHRIST UNIVERSITY  
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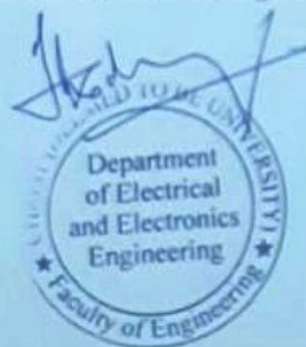
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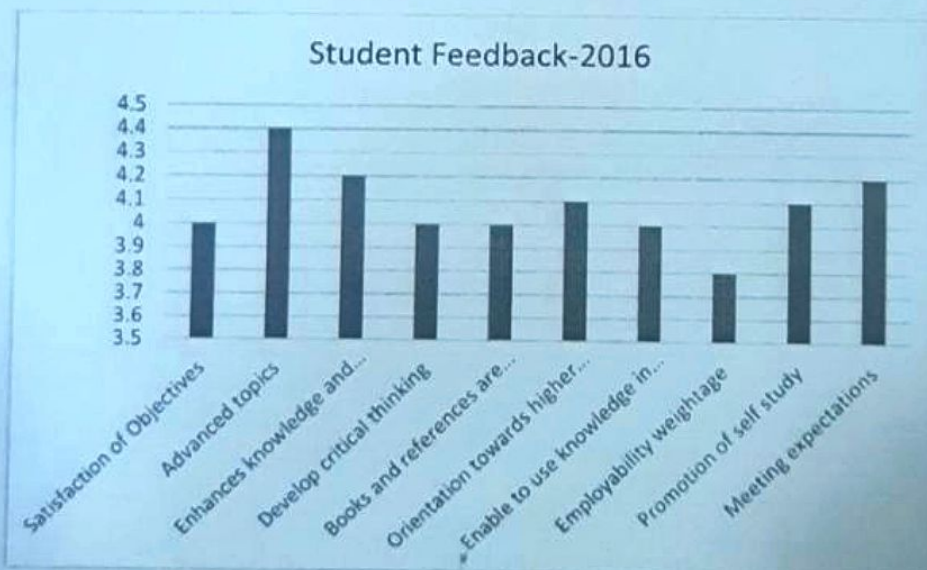
**Head, Department of Electrical & Electronics Engineering**



**School of Engineering and Technology**  
**Department of Electrical & Electronics Engineering**  
Analysis of Feedback on Curriculum, January 2016

**1. Student Feedback**

Total number of feedbacks -12		
	Criteria	Average
1	Satisfaction of Objectives	4
2	Advanced topics	4.4
3	Enhances knowledge and skills	4.2
4	Develop critical thinking	4
5	Books and references are relevant?	4
6	Orientation towards higher education	4.1
7	Enable to use knowledge in real life	4
8	Employability weightage	3.8
9	Promotion of self-study	4.1
10	Meeting expectations	4.2

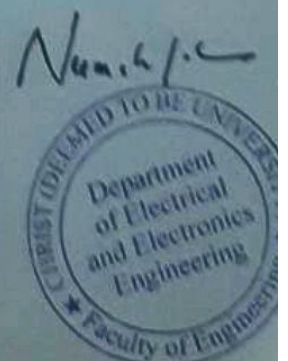


**Conclusions:**

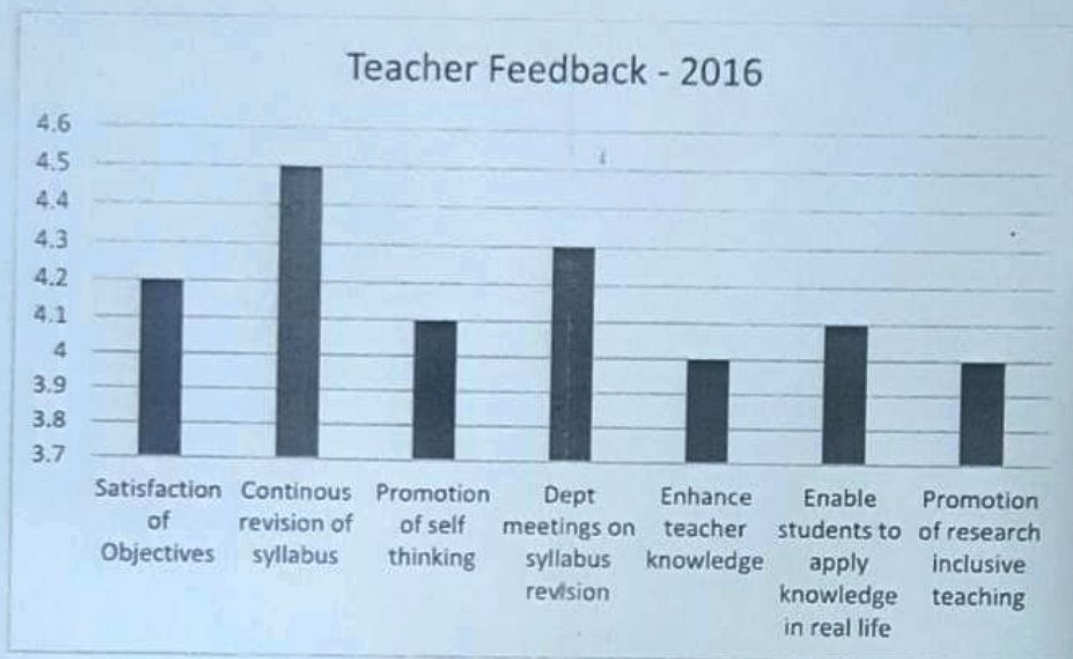
- i. Employability part to be improved
- ii. Self-study and critical thinking to be enhanced through syllabus

**2. Teacher feedback**

Total number of feedbacks -10		
	Criteria	Average (5)
1	Satisfaction of Objectives	4.2



2	Continuous revision of syllabus	4.5
3	Promotion of self-thinking	4.1
4	Dept meetings on syllabus revision	4.3
5	Enhance teacher knowledge	4
6	Enable students to apply knowledge in real life	4.1
7	Promotion of research inclusive teaching	4

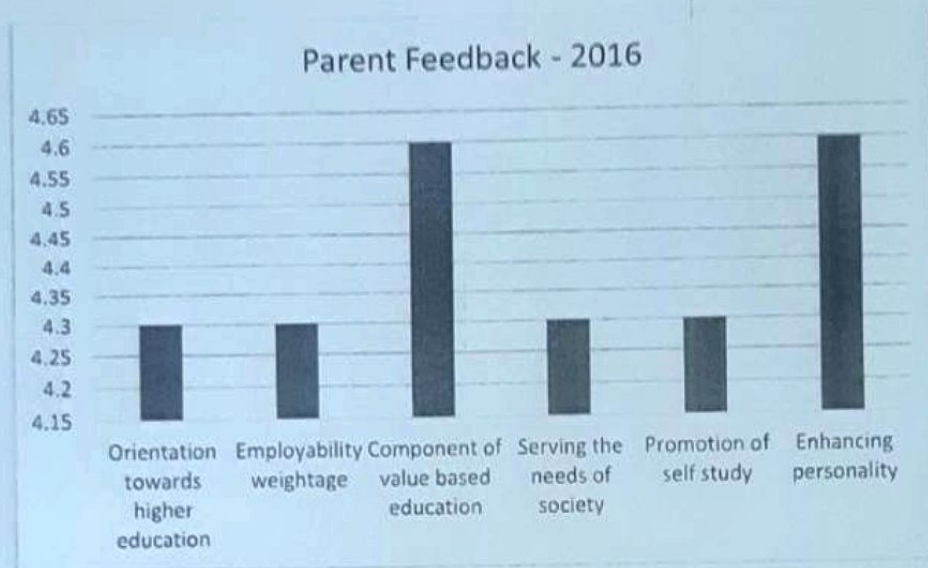


### Conclusions

- i. Topics to improve teacher knowledge and research activities to be enhanced
- ii. Self-study and self-thinking components to be enhanced.

### 3. Parent Feedback

Total number of feedbacks -3		
	Criteria	Average
1	Orientation towards higher education	4.3
2	Employability weightage	4.3
3	Component of value based education	4.6
4	Serving the needs of society	4.3
5	Promotion of self study	4.3
6	Enhancing personality	4.6



#### Conclusions

- i. Employability weightage to be enhanced
- ii. Orientation towards higher studies to be improved

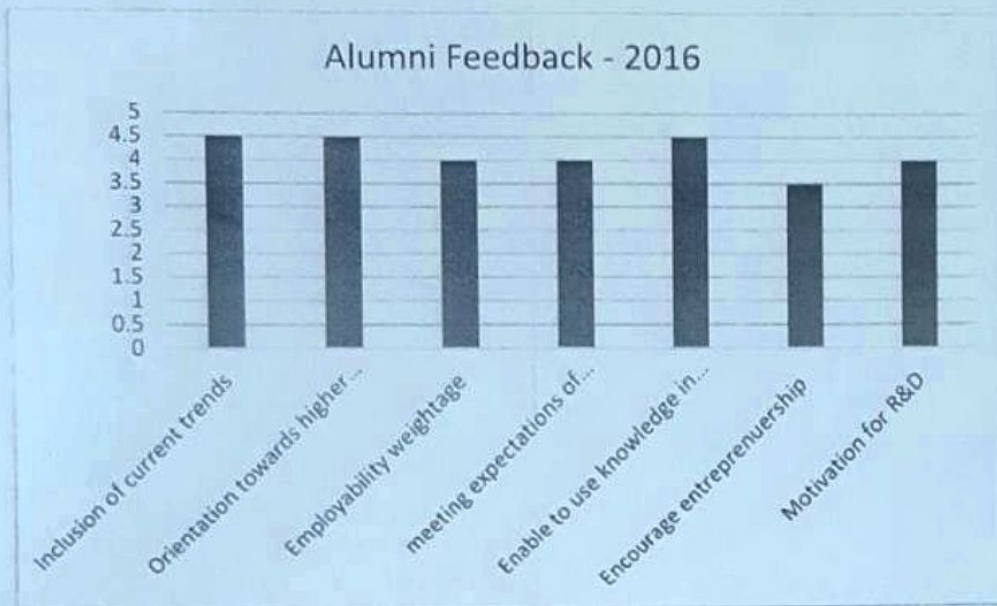
#### 4. Alumni feedback

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	Enable to use knowledge in real life	4.5
6	Encourage entrepreneurship	3.5
7	Motivation for R&D	4

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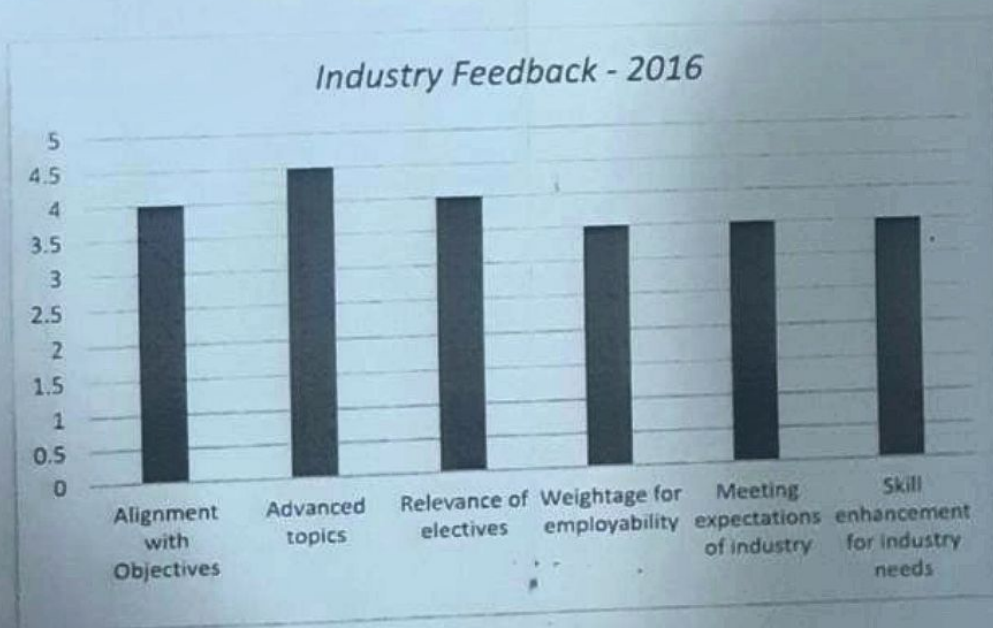


#### Conclusions

- i. Employability and entrepreneurship weightage to be enhanced

#### 5. Industry Feedback

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



**Conclusions**

- i. The gap between industry expectations and academia to be reduced
- ii. Skill enhancement to be done

**Recommendations based on the feedback analysis**

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