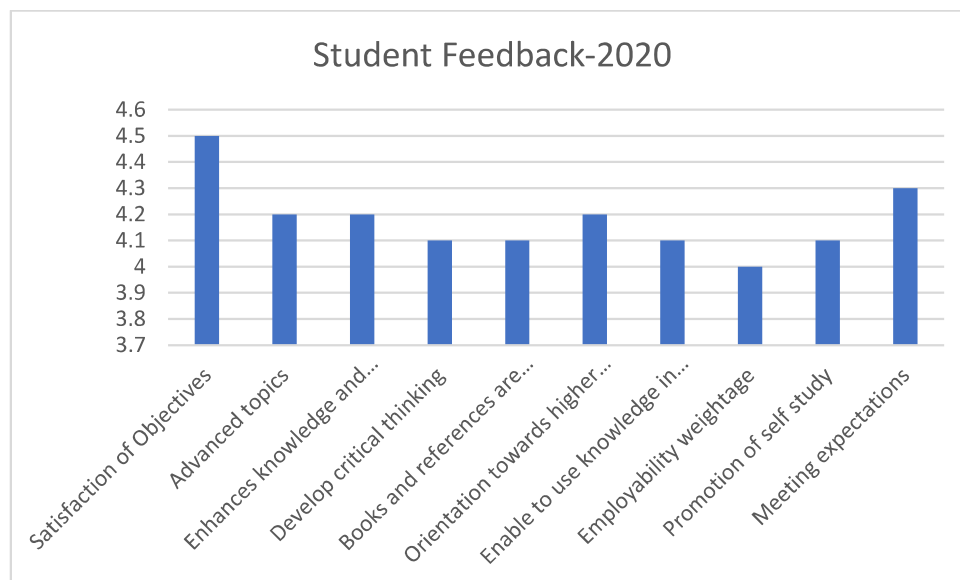


School of Engineering and Technology
Department of Electrical & Electronics Engineering
Analysis of Feedback on Curriculum, January 2020

1. Student Feedback

Total number of feedbacks -10		
	Criteria	Average
1	Satisfaction of Objectives	4.5
2	Advanced topics	4.2
3	Enhances knowledge and skills	4.2
4	Develop critical thinking	4.1
5	Books and references are relevant?	4.1
6	Orientation towards higher education	4.2
7	Enable to use knowledge in real life	4.1
8	Employability weightage	4
9	Promotion of self study	4.1
10	Meeting expectations	4.3

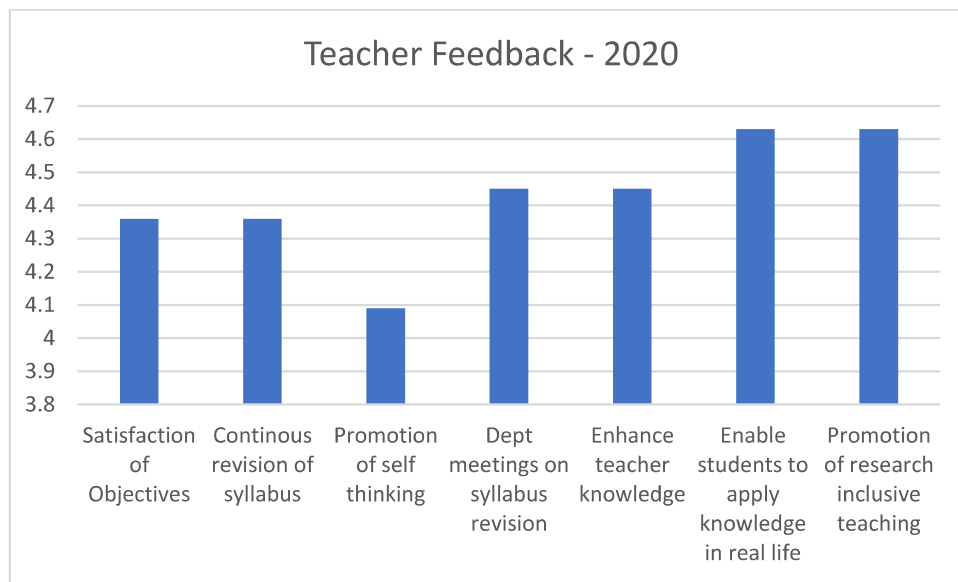


Conclusions:

- i. Improve the training on skills both hardware and software
- ii. Languages like Python to be added

2. Teacher feedback

Total number of feedbacks -11		
	Criteria	Average (5)
1	Satisfaction of Objectives	4.36
2	Continuous revision of syllabus	4.36
3	Promotion of self-thinking	4.09
4	Dept meetings on syllabus revision	4.45
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

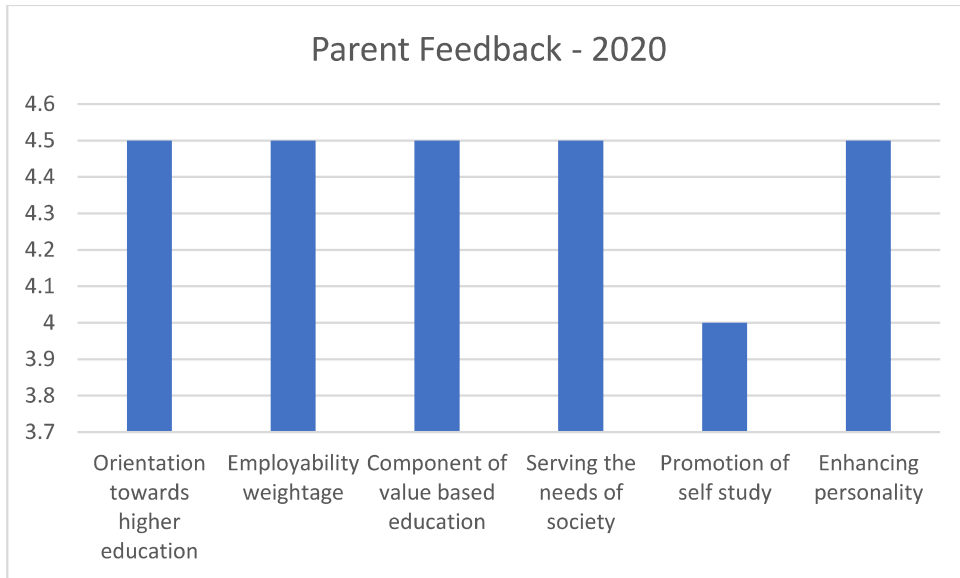


Conclusions

- i. Self-study modules to be added in curriculum
- ii. Research topics to be included in curriculum

3. Parent Feedback

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

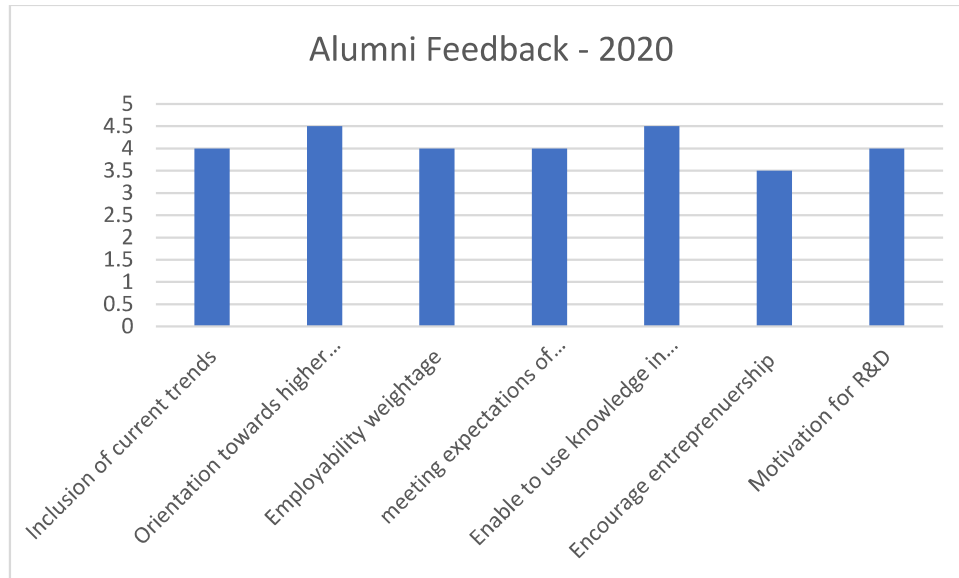


Conclusions

- i. Project and internship options to be improved
- ii. Tie-up with industry

4. Alumni feedback

Total number of feedbacks -2		
	Criteria	Average
1	Inclusion of current trends	4
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

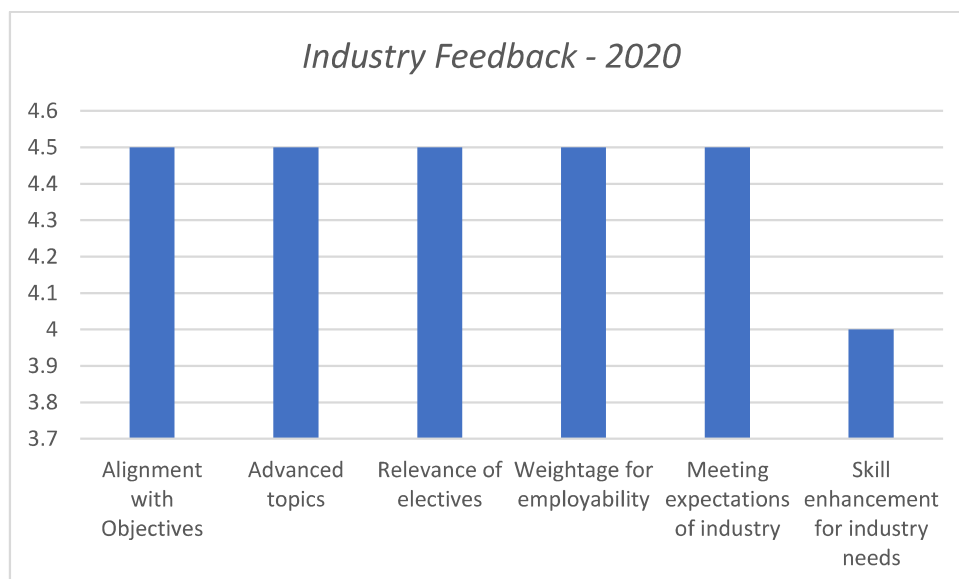


Conclusions

- i. Training on advanced computer programming needed
- ii. Motor controller design and power electronics design have good opportunities

5. Industry Feedback

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



Conclusions

- i. Hardware training in core areas is needed
- ii. Strong fundamentals of maths and engineering to be emphasised

Recommendations based on the feedback analysis

1. To improve hardware training topics on electrical drives, Electrical design automation and printed circuit board to be included
2. Professional ethics course to be added
3. Latest trends like data science and material science to be added as course
4. Python programming laboratory to be added



Minutes of the 12th Meeting of the Board of Studies of Electrical & Electronics Engineering department held online on Saturday, 6th February 2020 at 9.30 am

In the Chair: Dr. Iven Jose, Dean School of Engineering and Technology

Members Present

All the members as per the attendance list were present.

Leave of Absence

There was no leave of absence.

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 consider and approve the Online meeting of the Board of Studies under the circumstances of COVID-19 restrictions until the pandemic ends and normalcy is restored as permitted by the Vice Chancellor**

The Board approved the online meeting of the Board of Studies under the circumstances of COVID-19 restrictions as approved by the Vice Chancellor until the pandemic ends and restoration of normalcy.

- 2. To confirm the Minutes of the previous BOS meeting held on 7th February 2020**

Conclusions

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FACULTY OF ENGINEERING, CHRIST UNIVERSITY
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING
Academic Year 2019-20

05-02-2020

Feedback analysis and curriculum revision

Summary of feedback by various stake holders

Students	Parents	Industry	Faculty
Employability	Strong fundamentals and skill training	Strong fundamentals	Flexible curriculum
Minor and honours programmes	Better chance for placements	Skills in new tools and in techniques	Reduced credits to improve self-study
Certificate programmes			

Action taken based on these points

1	Honours in Vehicular Technology is introduced with 20 additional credits
2	Overall credits reduced to give more time to students for self-study
3	Minor programmes from other departments were added, it include minor in psychology
4	Total credits of the B. Tech course modified into 155. Provision for optional certificate courses is included.

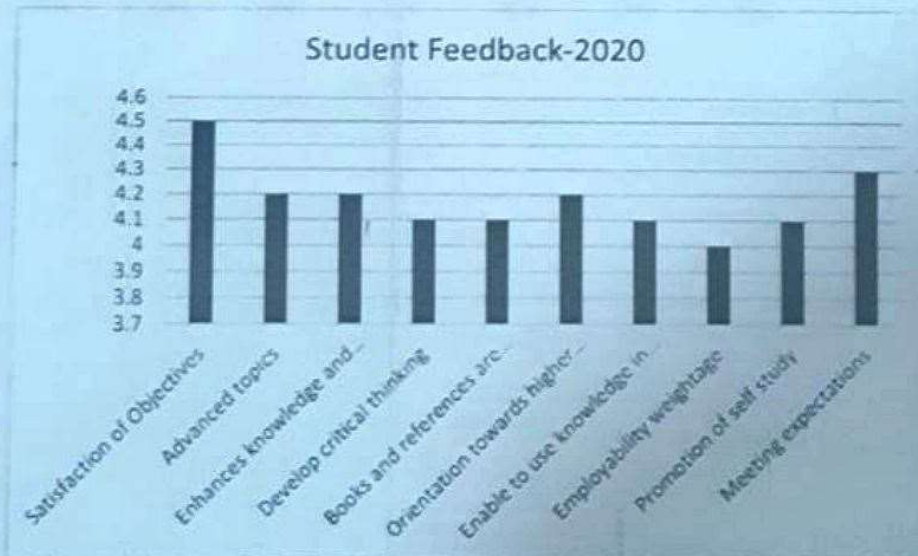
These changes were proposed in the BOS meeting and were approved by the BOS

Head, Department of Electrical & Electronics Engineering

School of Engineering and Technology
Department of Electrical & Electronics Engineering
Analysis of Feedback on Curriculum, January 2020

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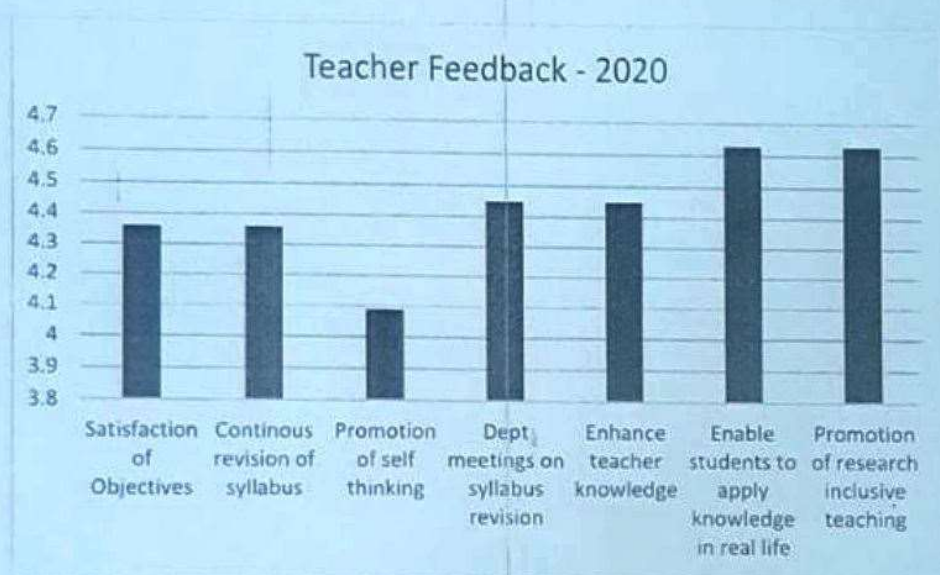
Conclusions:

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Conclusions

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- ii. Research topics to be included in curriculum

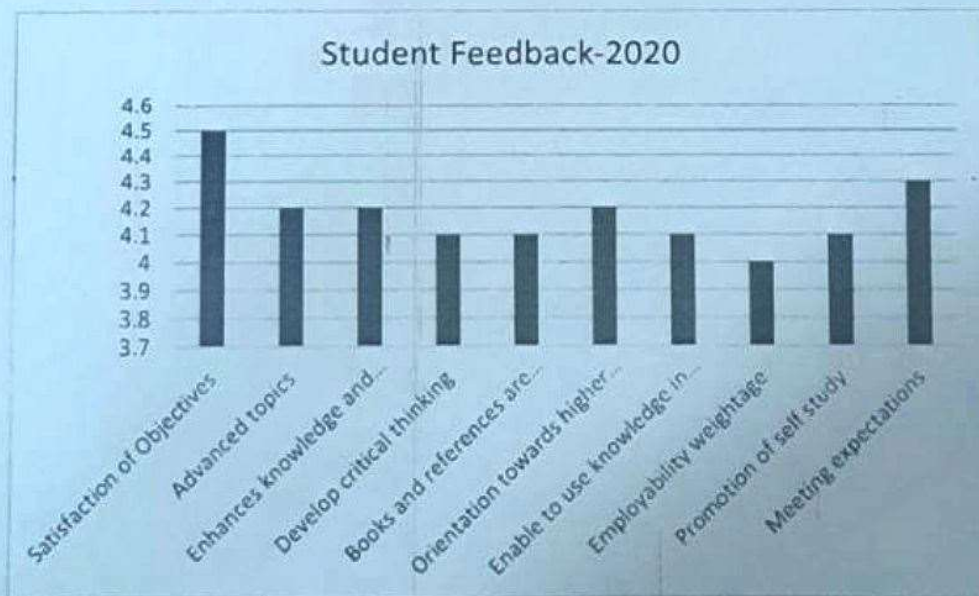
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School of Engineering and Technology
Department of Electrical & Electronics Engineering
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Conclusions:

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- ii. Languages like Python to be added





School of Engineering and Technology

Department of Electrical & Electronics Engineering

Attendance sheet for 12th Meeting of the Board of Studies held online on Saturday, 6th February 2020 at 9.30 am on Webex platform

Sl. No	Name of the member	Designation	Signature
Internal Members			
1	Dr. Iven Jose Dean, School of Engineering and Technology	Chairman	
2	Dr. Joseph Rodrigues , Professor and Head	Convener	
3	Dr. Usha Surendra , Professor	Member	
4	Ms. Nirmala John , Associate Professor	Member	
6	Dr. Vijaya Margaret , Assistant Professor	Member	PRESENT
7	Mr. Haneesh K M , Assistant Professor	Member	
8	Dr. Manikandan P , Assistant Professor	Invitee (Internal)	
9	Dr. Varaprasad Janamala , Assistant Professor	Invitee (Internal)	
External Members			
1	Dr. Srinivasa Rao Sandepudi Professor. Department of Electrical Engineering. National Institute of Technology, Warangal	Academic Expert (External)	 S. Srinivasa Rao (Dr. Srinivasa Rao) Professor, dept. of Electrical Engg. NIT Warangal - 502004.
2	Dr. Kannan Tinnium Senior Vice President, Research and Development. Luminous Power Technologies	Industrial Expert (External)	
3	Dr. Amalin Prince Associate Professor, Department of Electrical and Electronics Engineering, BITS Pilani Goa Campus	Invitee (External)	

45

Minutes of the 12th Meeting of the Board of Studies of Electrical & Electronics Engineering department held online on Saturday, 6th February 2020 at 9.30 am

In the Chair: Dr. Iven Jose, Dean School of Engineering and Technology

Members Present

All the members as per the attendance list were present.

Leave of Absence

There was no leave of absence.

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 consider and approve the Online meeting of the Board of Studies under the circumstances of COVID-19 restrictions until the pandemic ends and normalcy is restored as permitted by the Vice Chancellor**

The Board approved the online meeting of the Board of Studies under the circumstances of COVID-19 restrictions as approved by the Vice Chancellor until the pandemic ends and restoration of normalcy.

- 2. To confirm the Minutes of the previous BOS meeting held on 7th February 2020**

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

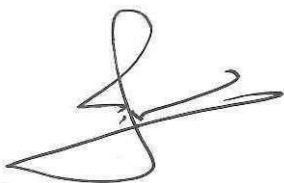
- 3. To consider and recommend the curriculum for B. Tech (EEE) Programme**

The Board of Studies reviewed the proposed curriculum as prepared and presented at the meeting. The B. Tech in Electrical & Electronics Engineering programme with a total of 155 credits including 7 programme electives and 3 open electives. The programme also offers a provision for 6 months internship during the final semester. Having considered the validity of the reasons for the suggested changes, the Board approved the same, subject to approval of the Academic Council.

- 4. To consider and recommend the curriculum for M. Tech (Power Systems) Programme**

The Board of Studies reviewed the proposed curriculum of M. Tech as prepared and presented at the meeting. Having considered the validity of the reasons for the suggested changes, the Board approved the same subject to approval of the Academic Council.

- 5. To consider and approve changes in the syllabus of existing B. Tech and M. Tech curriculum**



In the B. Tech programme, Professional Ethics course modified as a 2 credit course and Laboratory component added to the Advanced Computer Programming course. The theme of Service Learning course was proposed as Community health for the next three years. The other minor changes proposed in the existing syllabus of B. Tech and M. Tech are listed in **Annexure B** and **Annexure C** respectively.

6. To consider and recommend the curriculum for Major and Minor Programmes

With B. Tech (EEE) as Major programme of 155 credits, a Minor programme with an additional 20 credits was proposed. The students can opt for any one Minor listed in **Annexure D**.

A minor programme in E-mobility will be offered by the department and its syllabus is given in **Annexure E**

The department will be offering an Honours programme in Vehicular technology with additional 20 credits. The detailed syllabus of the honours programme is given in **Annexure F**.

7. To recommend the new M. Tech programme proposed by the EEE Department

Looking at the changing needs of Industry, employment and research opportunities for the students and as per new AICTE provision for splitting the seats, it is proposed to split the existing M.Tech Power System course with 18 intakes to two programmes with 9 seats each. The meeting approved this proposal and suggested to follow the AICTE provisions on this.

8. To consider and recommend hybrid mode of teaching/evaluation from Jan. 2020 to May 2021 due to Pandemic

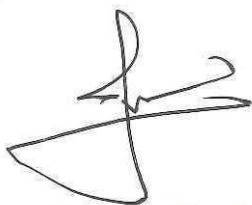
The Board of Studies reviewed the proposal to devise some hybrid mode of teaching/evaluation to benefit students who will not attend classes on campus, in the even semester 2021 and approved the proposal

9. Swayam courses for B. Tech and M. Tech programmes

. As per UGC mandate, Students of UG and PG courses will be required to take up Swayam courses. A proposal presented where all students will take minimum two Swayam courses during their B.Tech programme and minimum one Swayam course during their M. Tech programme and these courses will be evaluated during the final year of their respective programmes. The meeting approved this proposal.

10. To ratify the changes in B. Tech / M.Tech curriculum / online classes/online CIA and ESE assessment/online valuations for Theory and Practical courses during May 2020 to Dec 2020 in view of the Covid-19 pandemic.

Due to Pandemic situation, classes and examinations conducted online and laboratory experiments were conducted using simulation software. A few experiments in two courses (5 experiments each in Electrical Machines Laboratory and in High Voltage Engineering Laboratory) in the Odd Semester 2020, which need to be conducted in offline mode, are rolled over to even semester 2021. Open Book evaluation component introduced with 20% of marks in MSE and ESE to achieve



12th BOS (06/02/2021)

PAGE 2 OF 4

higher cognitive levels of learning. The meeting discussed the proposals and approved the same subject to approval of the Academic Council.

11. To review the panel of BOS experts

The meeting considered the list of BOS experts and the Board approved the same subject to approval of the Academic Council. The list of BOS experts is given in **Annexure G**.

12. To review the panel of external examiners

The meeting considered the list of external examiners. The Board approved the same subject to approval of the Academic Council. The panel of examiners is given as **Annexure H**

13. To review the results of B. Tech and M. Tech in the ESE held in July 2020 and Jan 2021

The Result Analysis of the End Semester Examinations for B. Tech and M. Tech were reviewed by the BOS. The results were shown a positive trend.

14. To highlight the faculty Ph.D. registrations in the Department

17 On-going research scholars, 2 scholars completed their PhD degree and there are 5 research supervisors in the department.

15. To highlight Faculty/Student Publications

During the year 2020-21, a total of 15 Scopus indexed papers, 1 SCI and 1 ESCI indexed papers were published by the department.

Recommendations by the external experts:

Dr. Srinivasa Rao suggested changes in the flow of Power system related courses to Power system-I to Power system –IV including power generation, transmission, power systems, operation and control and computer applications. In M. Tech programme he also suggested, to shift all the third semester elective courses to second semester to enable students to take up industrial project for one year.

Dr. Kannan Tinnium suggested to give students more freedom to take up interdisciplinary courses and projects, which will enable them to work on different projects in the industries.

Dr. Amalin Prince expressed his happiness over including laboratory component for advanced computer programming course, which will help the students to perform better during the placement activities.

The meeting also discussed the Alumni's suggestion to include more practical sessions on advanced programming languages like Python. This suggestion included in the Advanced Computer Programming course in the B. Tech curriculum.

The recommendations by faculty on syllabus discussed in the CDC meetings and the approved suggestions are included as per agenda no. 4.

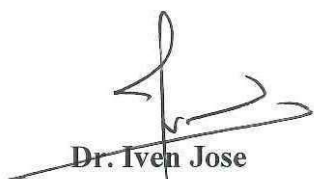
The curriculum is benchmarked with some of the prestigious universities across the globe to ensure internationalization of curriculum and E-mobility R&D centre is identified as a potential area for international research collaborations.

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

SoET Initiatives on the New Education Policy were presented, which include fast track and Compulsory Internship, Industry Oriented Curriculum (IoC), Internal Competency building for teachers, Global Elective and CIMA programme for engineering students.

Department activities like E-Mobility Center, Automation Center, International exchange programme, Strategic Plan 2018-23, Activities during Pandemic and Student activities also discussed.

With no other matters to discuss the Chairperson adjourned the meeting thanking all the participants. The Chairperson particularly thanked Dr. Srinivasa Rao S., Dr. Kannan Tinnium and Dr. Amalin Prince for their presence and valuable suggestions.



Dr. Iven Jose
Dean School of Engineering & Technology
Chairperson
Board of Studies