Ref: PU-SOE-EEE/2018-2019/BOS-09/CIR-01   Date: 16-04-2019

9th BoS MEETING NOTICE

The 9th Board of Studies meeting of the Electrical and Electronics Engineering, School of Engineering, Presidency University is convened on 4^h May 2019 at 10.00 AM in Room No. MG08, Presidency University, Bengaluru Campus.

I request your gracious presence to have a truthful discussion for enhancing the curriculum.

AGENDA

Agenda SoE-EEE 9.1	To approve the minutes & ATR of 8th Board of Studies Meeting held on 12th January 2019. Annexure EEE 9.1.1 Annexure EEE 9.1.2
Agenda SoE -EEE 9.2	Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students. Annexure EEE 9.2
Agenda SoE -EEE 9.3	Discussion on the Program Regulations &Curriculum [PRC] for the 2017 admitted students. Annexure EEE 9.3
Agenda SoE -EEE 9.4	Discussion on the Program Regulations &Curriculum [PRC] for the 2016 admitted students Annexure EEE 9.4
Agenda SoE -EEE 9.5	Discussion on the Program Regulations &Curriculum [PRC] for the 2015 admitted students Annexure EEE 9.5
Agenda SoE -EEE 9.6	Feedback analysis and ATR of stake holders Annexure EEE 9.6.1 Annexure EEE 9.6.2
Agenda SoE -EEE 9.7	Approval of NPTEL course list for DE/ OE credit transfer Annexure EEE 9.7.1 Annexure EEE 9.7.2
Agenda SoE -EEE 9.8	Approval of external and internal examiners list Annexure EEE 9.8.1 Annexure EEE 9.8.2
Agenda SoE -EEE 9.9	Approval of previous semester Course Handouts approved by Department Academic Committee Annexure EEE 9.9

REGISTRAR

Registrar
PRESIDENCY UNIVERSITY
BANGALORE

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Agenda SoE -EEE 9.10	Any other discussions with the permission of chair

To,

Members & Invitees

S No	Name	Affiliation	Position
1	Dr. Snehaprabha T. V	Professor& HoD, EEE,SoE,PU, Bengaluru	Chairperson
2	Dr. P S Venkataramu	Dean Academics, PU, Bengaluru	Internal Member
3	Dr Shobha Savanur	Professor, EEE, SoE, PU, Bengaluru	Internal Member
4	Mr. Abrar Ul Haq	Assistant Professor, EEE,SoE, PU, Bengaluru	Internal Member
5	Mr. K Sreekanth Reddy	Assistant Professor, EEE,SoE, PU, Bengaluru	Internal Member
6	Kavya P S	Assistant Professor, EEE, SoE, PU, Bengaluru	Member Secretary
7	Dr. Deepak S Sakkari	Assistant Professor, CSE, SoE, PU, Bengaluru	Internal Member
8	Mrs. Geetha K	Assistant Professor, ECE, SoE, PU, Bengaluru	Internal Member
9	Dr Uma Rao K	Professor, EEE, RVCE , ,Bengaluru	External Member (Academic)
10	Dr. Rex Joseph	Associate Professor, EEE, PES University, ,Bengaluru	External Member (Academic)
11	Mr John Justus	AGM, Ashok Leyland Limited, Hosur	External Member (Industry)

Permanent Invitees

Shri. Nissar Ahmed, Hon'ble Chancellor, Presidency University
Shri. Salman Ahmed, Hon'ble Board Member, PGI
Dr. Radha Padmanabhan, Vice Chancellor, Presidency University

16/4/19

Chair Person

REGISTRAR

PRESIDENCY UNIVERSITY
Private University Estd. in Karnataka State by Act No. 41 of 2013

SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref. No.: PU/SOE/EEE/BoS-9/2018-19/MOM-01   Date: 4th May 2019

Minutes of the 9th Meeting of Board of Studies

(Electrical and Electronics Engineering – BoS – EEE)

The 9th meeting of Board of Studies (BoS) of the Electrical and Electronics Engineering is heldtoday on 4h May 2019 at 10.00 AM in Room No. MG08, Presidency University, Bengaluru Campus.

The following members are present:

S No	Name	Affiliation	Position
1	Dr. Snehaprabha T. V	Professor& HoD, EEE,SoE,PU, Bengaluru	Chairperson
2	Dr. P S Venkataramu	Dean Academics, PU, Bengaluru	Internal Member
3	Dr Shobha Savanur	Professor, EEE, SoE, PU, Bengaluru	Internal Member
4	Mr. Abrar Ul Haq	Assistant Professor, EEE,SoE, PU, Bengaluru	Internal Member
5	Mr. K Sreekanth Reddy	Assistant Professor, EEE,SoE, PU, Bengaluru	Internal Member
6	Kavya P S	Assistant Professor, EEE, SoE, PU, Bengaluru	Member Secretary
7	Dr. Deepak S Sakkari	Assistant Professor, CSE, SoE, PU, Bengaluru	Internal Member
8	Mrs. Geetha K	Assistant Professor, ECE, SoE, PU, Bengaluru	Internal Member
9	Dr Uma Rao K	Professor, EEE, RVCE , ,Bengaluru	External Member (Academic)
10	Dr. Rex Joseph	Associate Professor, EEE, PES University, ,Bengaluru	External Member (Academic)
11	Mr John Justus	AGM, Ashok Leyland Limited, Hosur	External Member (Industry)

The session started with the welcome note by the chairperson.

Agenda SoE-EEE 9.1: Approval of the minutes and ATR of the 8th Board of Studies meeting held on 12th January 2019.

The Minutes of 9th meeting of the BoS held on 4th May, 2019 is unanimously approved by the members as shown in Annexure EEE 9.1.1. The Action taken report of the 9th BoS Minutes was

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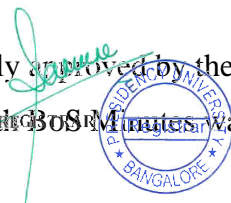
presented by the Chairperson and the same is documented in Annexure EEE 9.1.2.

Agenda SoE-EEE 9.2: Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students.

The Chairperson presented the details of the program regulations and Curriculum for the 2018 admitted students to the BoS members.

Resolution: All the members discussed on PRC for the 2018 admitted students as listed in **Annexure EEE 9.2** and approved the same.

Agenda SoE-EEE 9.3: Discussion on the Program Regulations &Curriculum [PRC] for the 2017 admitted students.

The Chairperson presented the details of the program regulations and Curriculum for the 2017admitted students to the BoS members.

Resolution: All the members discussed on PRC for the 2017 admitted students as listed in **Annexure EEE 9.3** and approved the same.

Agenda SoE-EEE 9.4: Discussion on the Program Regulations &Curriculum [PRC] for the 2016 admitted students.

The Chairperson presented the details of the program regulations and Curriculum for the 2016 admitted students to the BoS members.

The following points were suggested by the BoS team.

1. It is suggested to Shift one discipline Elective and one open elective to 8th semester for 2017 batch. This is to accommodate placement training to facilitate for job Opportunity.

2. The Students are allowed to start the 15 credit Professional Practice-II immediately after 6th semester End term Examination after the Pre-Registration.

3. PP-II will be completed in phases, but the marks will be credited in 8th semester Grade sheet.

Resolutions:

1. As per the suggestion, one discipline Elective and one open elective courses are shifted to 8th semester for 2017 batch students. The approved PRC's along with the course structures 2017 batch are shown in **Annexure EEE 9.4.**

2. The point is well considered and will be presented in next Academic Council.

3. As it is required to ensure the uniformity among the branches of SoE, this point may not be considered.

REGISTRAR

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Agenda SoE-EEE 9.5: Discussion on the Program Regulations &Curriculum [PRC] for the 2016 admitted students.

The Chairperson presented the details of the program regulations and Curriculum for the 2016 admitted students to the BoS members.

Resolution: All the members discussed on PRC for the 2016 admitted students as listed in **Annexure EEE 9.5** and approved the same.

Agenda SoE-EEE.9.6 Feedback analysis and ATR of stake holders

The feedback collected from Stakeholders such as students, parents, faculty, Alumni and Industry Professionals was analyzed and is presented in **Annexure EEE 9.6.1**. The ATR based on the feedback collected is presented in **Annexure EEE 9.6.2**. The list of discipline electives courses along with newly proposed elective course to be introduced based on feedback from students, alumni,faculty, parents and Industry representatives were presented. The BoS members deliberated the discussion on stake holders feedback and the approved list of Discipline elective courses and coursesto be revised are shown in **Annexure EEE 9.6.2.1 and** Annexure **EEE 9.6.2.2**

Agenda SoE-EEE.9.7 Approval of NPTEL course list for DE/ OE credit transfer.

The chairperson presented the newly added list of MOOC Courses – NPTEL / SWAYAM that are offered as Discipline and Open Elective Courses.

Resolutions: The list of Open Elective, Discipline Elective, MOOC and NPTEL courses were presented to the BoS members to the committee and it is approved as shown in **Annexure EEE 9.7.**

Agenda SoE-EEE.9.8 Approval of external and internal examiners list

The chairperson explained the role of external examiners as lab examiners and paper setters and proposed the updated list of external examiners to the committee for approval, as given in **Annexure EEE 9.8.1 and Annexure EEE 9.8.2.**

Resolution: The members have approved the panel of external examiners. The committee also stated that BoS chairperson is authorized to include these examiners on need basis.

Agenda SoE-EEE.9.9 Approval of previous semester Course Handouts approved by Department Academic Committee

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The chairperson presented the course contents of AY 2019-2020(ODD) of various programs and semesters as approved by the BOS chairpersons based on the approval of the respective Departmental Academic Committees [DAC].

Resolution

The course contents/ course handouts for the Academic Year 2018-2019 ODD semester were approved by the BoS members

Agenda SoE-EEE.10.10 Any other matter with the permission of the Chair.

The BOS Committee has authorized the BOS Chairperson and the subcommittee consisting of the internal members of the Electrical and Electronics Engineering Board, to incorporate minor corrections / edits, if required.

The BOS Chairperson has conveyed that the decisions taken during the 9th meeting of BOS for Electrical and Electronics Engineering will be implemented wherever applicable for 2018-2022, 2017-2021, and 2016-2020 as early as possible.

She appreciated all the members for their active participation and valuable inputs. The chairperson concluded the session, with a thank you note to all the members and informed that the date of next BoS meeting will be notified soon.
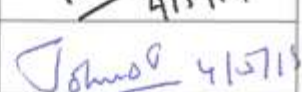
BOS COMMITTEE MEMBERS:

S. No.	Name	Position	Signature with date
1	Dr. Snehaprabha T. V	Chairperson	4/5/19
2	Dr. P S Venkataramu	Internal Member	
3	Dr. Shobha R Savanur	Internal Member	4/5/19
4	Mr. Abrar Ul Haq	Internal Member	
5	Mr. K Sreekanth Reddy	Internal Member	4/5/19
6	Ms. Kavya P S	Member Secretary	4/5/19
7	Dr. Deepak S Sakkari	Internal Member	4/5/19
8	Mrs. Geetha K	Internal Member	4/5/19.
9	Dr. Uma Rao K	External Member (Academic)	
10	Dr. Rex Joseph	External Member (Academic)	4/5/19
11	Mr. John Justus	External Member (Industry)	4/5/19

As per the feedback received, New Courses are introduced as per Annexure EEE 9.6.2.1. and Course Content Revisions are made as per Annexure EEE 9.6.2.2 for the AY 2018-19.

REGISTRAR

Annexure EEE 9.6.2.1

List of new courses:

SI No	Course code	Course Name	L	T	P	C
1	EEE 221	Energy Audit	3	0	0	3
2	EEE 222	Research Methodology	3	0	0	3
3	EEE 224	Soft Computing Techniques	3	0	0	3

Annexure EEE 9.6.2.2

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
		NIL				

10th BoS MEETING NOTICE

The 10th Board of Studies meeting of the Electrical and Electronics Engineering, School of Engineering, Presidency University is convened on 17th January 2020 at 10.00 AM in Room No. MG08, Presidency University, Bengaluru Campus.

I request your gracious presence to have a truthful discussion for enhancing the curriculum.

AGENDA

Agenda SoE-EEE 10.1	To approve the minutes & ATR of 9th Board of Studies Meeting held on 04th May 2019. Annexure EEE 10.1.1 Annexure EEE 10.1.2
Agenda SoE -EEE 10.2	Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students. Annexure EEE 10.2
Agenda SoE -EEE 10.3	Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students. Annexure EEE 10.3
Agenda SoE -EEE 10.4	Discussion on the Program Regulations &Curriculum [PRC] for the 2017 admitted students Annexure EEE 10.4
Agenda SoE -EEE 10.5	Discussion on the Program Regulations &Curriculum [PRC] for the 2016 admitted students Annexure EEE 10.5
Agenda SoE -EEE 10.6	Feedback analysis and ATR of stake holders Annexure EEE 10.6.1 Annexure EEE 10.6.2
Agenda SoE -EEE 10.7	Approval of NPTEL course list for DE/ OE credit transfer Annexure EEE 10.7.1 Annexure EEE 10.7.2
Agenda SoE -EEE 10.8	Approval of external and internal examiners list Annexure EEE 10.8.1 Annexure EEE 10.8.2
Agenda SoE -EEE 10.9	Approval of previous semester Course Handouts approved by Department Academic Committee Annexure EEE 10.9

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Agenda SoE -EEE 10.10	Any other discussions with the permission of chair

To,

Members & Invitees

S No	Name	Affiliation	Position
1	Dr. Snehaprabha T. V	Professor& HoD, EEE,SoE, PU, Bengaluru	Chairperson
2	Dr. P S Venkataramu	Dean Academics, PU, Bengaluru	Internal Member
3	Dr Shobha Savanur	Professor, EEE, SoE, PU, Bengaluru	Internal Member
4	Dr.Joshi Manohar V	Associate Professor, EEE, SoE, PU, Bengaluru	Internal Member (Special Invitee)
5	Mr. K Sreekanth Reddy	Assistant Professor, EEE, SoE, PU, Bengaluru	Internal Member (Member Secretary)
6	Ms. Ramya K	Assistant Professor, EEE, SoE, PU, Bengaluru	Special Invitee
7	Dr. Deepak S Sakkari	Assistant Professor, CSE, SoE, PU, Bengaluru	Internal Member
8	Mrs. Geetha K	Assistant Professor, ECE, SoE, PU, Bengaluru	Internal Member
9	Dr. Rex Joseph	Associate Professor, EEE, PES University, ,Bengaluru	External Member (Academic)
10	Mr John Justus	AGM, Ashok Leyland Limited, Hosur	External Member (Industry)

Permanent Invitees

Shri. Nissar Ahmed, Hon'b1e Chancellor, Presidency University
Shri. Salman Ahmed, Hon'b1e Board Member, PGI
Dr. Radha Padmanabhan, Vice Chancellor, Presidency University

Chair Person

REGISTRAR

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PRESIDENCY UNIVERSITY
Private University Estd. in Karnataka State by Act No. 41 of 2013

SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref. No.: PU/SOE/EEE/BoS-10/2019-20/MOM-01   Date: 17th Jan 2020

Minutes of the 10th Meeting of Board of Studies

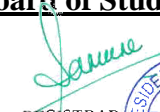### (Electrical and Electronics Engineering – BoS – EEE)

The 10th meeting of Board of Studies (BoS) of the Electrical and Electronics Engineering is held today on 17th Jan, 2020 at 10.00 AM in Room No. MG08, Presidency University, Bengaluru Campus.

The following members are present:

S. No.	Name	Designation with Affiliation	Status
1	Dr. Snehaprabha T. V	Professor& HoD, EEE,SoE, PU, Bengaluru	Chairperson
2	Dr. P S Venkataramu	Dean Academics, PU, Bengaluru	Internal Member
3	Dr Shobha Savanur	Professor, EEE SoE, PU, Bengaluru	Internal Member
4	Dr.Joshi Manohar	Associate Professor, EEE,SoE, PU, Bengaluru	Internal Member (Special Invitee)
5	Mr. K Sreekanth Reddy	Assistant Professor, EEE,SoE, PU, Bengaluru	Internal Member Member Secretary
6	Ms. Ramya K	Assistant Professor, EEE,SoE, PU, Bengaluru	Special Invitee
7	Dr. Deepak S Sakkari	Assistant Professor, CSE, SoE, PU, Bengaluru	Internal Member
8	Mrs. Geetha K	Assistant Professor, ECE,SoE, PU, Bengaluru	Internal Member
9	Dr. Rex Joseph	Associate Professor, EEE, PES University, Bengaluru	External Member (Academic)
10	Mr John Justus	Assistant General Manager, Ashok Leyland Limited, Hosur	External Member (Industry)

The session started with the welcome note by the chairperson.

Agenda SoE-EEE 10.1: Approval of the minutes and ATR of the 9th Board of Studies meeting held on 4th May 2019.

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The Minutes of 9th meeting of the BoS held on 4th May, 2019 is unanimously approved by the members as shown in **Annexure EEE 10.1.1.** The Action taken report of the 9th BoS Minutes was presented by the Chairperson and the same is documented in **Annexure EEE 10.1.2.**

Agenda SoE-EEE 10.2: Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students.

The Chairperson presented the details of the program regulations and Curriculum for the 2019 admitted students to the BoS members.

Resolution: All the members discussed on PRC for the 2019 admitted students as listed in **Annexure EEE 10.2** and approved the same.

Agenda SoE-EEE 10.3: Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students.

The Chairperson presented the details of the program regulations and Curriculum for the 2018 admitted students to the BoS members.

Resolution: All the members discussed on PRC for the 2018 admitted students as listed in **Annexure EEE 10.3** and approved the same.

Agenda SoE-EEE 10.4: Discussion on the Program Regulations &Curriculum [PRC] for the 2017 admitted students.

The Chairperson presented the details of the program regulations and Curriculum for the 2017admitted students to the BoS members.

The following points were suggested by the BoS team.

1. It is suggested to Shift one discipline Elective and one open elective to 8th semester for 2017 batch. This is to accommodate placement training to facilitate for job Opportunity.

2. The Students are allowed to start the 15 credit Professional Practice-II immediately after 6th semester End term Examination after the Pre-Registration.

3. PP-II will be completed in phases, but the marks will be credited in 8th semester Grade sheet.

Resolutions:

1. As per the suggestion, one discipline Elective and one open elective courses are shifted to 8th semester for 2017 batch students. The approved PRC's along with the course structures 2017 batch are shown in **Annexure EEE 10.4.**

2. The point is well considered and will be presented in next Academic Council.

3. As it is required to ensure the uniformity among the branches of SoE, this point may not be considered.

Agenda SoE-EEE 10.5: Discussion on the Program Regulations &Curriculum [PRC] for the 2016 admitted students.

The Chairperson presented the details of the program regulations and Curriculum for the 2016 admitted students to the BoS members.

Resolution: All the members discussed on PRC for the 2016 admitted students as listed in **Annexure EEE 10.5** and approved the same.

Agenda SoE-EEE.10.6 Feedback analysis and ATR of stake holders

The feedback collected from Stakeholders such as students, faculty, Alumni and Industry Professionals was analyzed and is presented in **Annexure EEE 10.6.1**. The ATR based on the feedback collected is presented in **Annexure EEE 10.6.2**. The list of discipline electives courses along with newly proposed elective course to be introduced based on feedback from students, alumni, faculty, parents and Industry representatives were presented. The BoS members deliberated the discussion on stake holders feedback and the approved list of Discipline elective courses and courses to be revised are shown in **Annexure EEE 10.6.2.1 and** Annexure **EEE 10.6.2.2**

Agenda SoE-EEE.10.7 Approval of NPTEL course list for DE/ OE credit transfer.

The chairperson presented the newly added list of MOOC Courses – NPTEL / SWAYAM that are offered as Discipline and Open Elective Courses.

Resolutions: The list of Open Elective, Discipline Elective, MOOC and NPTEL courses were presented to the BoS members to the committee and it is approved as shown in **Annexure EEE 10.7.**

Agenda SoE-EEE.10.8 Approval of external and internal examiners list

REGISTRAR

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The chairperson explained the role of external examiners as lab examiners and paper setters and proposed the updated list of external examiners to the committee for approval, as given in **Annexure EEE 10.8.1 and Annexure EEE 10.8.2.**

Resolution: The members have approved the panel of external examiners. The committee also stated that BoS chairperson is authorized to include these examiners on need basis.

Agenda SoE-EEE.10.9 Approval of previous semester Course Handouts approved by Department Academic Committee

The chairperson presented the course contents of AY 2019-2020(ODD) of various programs and semesters as approved by the BOS chairpersons based on the approval of the respective Departmental Academic Committees [DAC].

Resolution

The course contents/ course handouts for the Academic Year 2019-2020 ODD semester were approved by the BoS members

Agenda SoE-EEE.10.10 Any other matter with the permission of the Chair.

The bench recommended for following considerations,

1. Electrical Machines I and Electrical Machines II can be merged as single course, as some content in the syllabus is not relevant to present Industry.
2. Smart Battery system has to be included in relevant courses.

Resolutions:

1. The content delivery would be difficult, if Electrical Machines-I and Electrical Machines-II courses are merged. Hence, this suggestion can be considered at this point of time. However, it may be considered in upcoming AYs
2. The point is well considered and included in Electric Vehicles EEE 319

The BOS Committee has authorized the BOS Chairperson and the subcommittee consisting of the internal members of the Electrical and Electronics Engineering Board, to incorporate minor corrections / edits, if required.

The BOS Chairperson has conveyed that the decisions taken during the 9th meeting of BOS for Electrical and Electronics Engineering will be implemented wherever applicable for 2018-2022, 2017-2021, and 2016-2020 as early as possible.

She appreciated all the members for their active participation and valuable inputs. The chairperson concluded the session, with a thank you note to all the members and informed that the date of next BoS meeting will be notified soon.

BOS COMMITTEE MEMBERS:

S. No.	Name	Designation with Affiliation	Status	Signature with Date
1	Dr. Snehaprabha T. V	Professor& HoD, EEE,SoE, PU, Bengaluru	Chairperson	17-1-20
2	Dr. P S Venkataramu	Dean Academics, PU, Bengaluru	Internal Member	
3	Dr Shobha Savanur	Professor, EEE, SoE, PU, Bengaluru	Internal Member	17 11/2020
4	Dr.Joshi Manohar	Associate Professor, EEE, SoE, PU, Bengaluru	Internal Member (Special Invitee)	17/1/2020
5	Mr. K Sreekanth Reddy	Assistant Professor, EEE, SoE, PU, Bengaluru	Internal Member Member Secretary	17/1/2020
6	Ms. Ramya K	Assistant Professor, EEE, SoE, PU, Bengaluru	Internal Member (Special Invitee)	17/11/2020
7	Dr. Deepak S Sakkari	Assistant Professor, CSE, SoE, PU, Bengaluru	Internal Member	
8	Mrs. Geetha K	Assistant Professor, ECE, SoE, PU, Bengaluru	Internal Member	17/1/2020
9	Dr. Rex Joseph	Associate Professor, EEE , PES University, Bengaluru	External Member (Academic)	17/01/20
10	Mr John Justus	AGM, Engine R&D, Ashok Leyland Ltd,Hosur	External Member (Industry)	17/11/20

As per the feedback received, New Courses are introduced as per Annexure EEE 10.6.2.1. and Course Content Revisions are made as per Annexure EEE 10.6.2.2 for the AY 2019-20.

REGISTRAR

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Annexure EEE 10.6.2.1

List of new courses:

SI No	Course code	Course Name	L	T	P	C
1	EEE 104	Control Systems	3	0	0	3
2	EEE 225	Fundamentals of Robotics	3	0	0	3
3	EEE 105	Electrical Engineering Lab	2	0	2	3
4	EEE 226	Nanotechnology Fundamentals and Applications	3	0	0	3

Annexure EEE 10.6.2.2

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
1	EEE219/ EEE220	Network Theory	3	0	0	3
2	EEE 255	Electrical Machines Lab - I	0	0	2	1
3	EEE 258	Electrical Machines Lab – II	0	0	2	1

REGISTRAR

Ref: PU-SoE-EEE/2020-2021/BoS-11/CIR-01   Date: 25-08-2020

11th BoS MEETING NOTICE

The 11th Board of Studies meeting of the Electrical and Electronics Engineering, School of Engineering, Presidency University is convened on 5th September 2020 at 10.00 am in Online Mode via the Zoom link,

https://us02web.zoom.us/j/84121683573?pwd=K2JNR3Qrd1NXbStsSXRQc08rNHEwZz09

hosted from Presidency University Campus Itgalpur, Rajankunte, Yelahanka, Bengaluru. I request your gracious presence to have a truthful discussion for enhancing the curriculum.

AGENDA

Agenda SoE-EEE 11.1	To approve the minutes & ATR of 10th Board of Studies Meeting held on 17th January 2020. Annexure EEE 11.1.1 Annexure EEE 11.1.2
Agenda SoE -EEE 11.2	Discussion on the CBCS course grid, Credit Structure and Curriculum structure for 2020 admitted students. Annexure EEE 11.2
Agenda SoE -EEE 11.3	Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students. Annexure EEE 11.3
Agenda SoE -EEE 11.4	Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students Annexure EEE 11.4
Agenda SoE -EEE 11.5	Discussion on the Program Regulations &Curriculum [PRC] for the 2017 admitted students Annexure EEE 11.5
Agenda SoE -EEE 11.6	Feedback analysis and ATR of stake holders Annexure EEE 11.6.1 Annexure EEE 11.6.2
Agenda SoE -EEE 11.7	Approval of NPTEL course list for DE/ OE credit transfer Annexure EEE 11.7.1 Annexure EEE 11.7.2
Agenda SoE -EEE 11.8	Approval of external and internal examiners list Annexure EEE 11.8.1 Annexure EEE 11.8.2
Agenda SoE -EEE 11.9	Approval of previous semester Course Handouts approved by Department Academic Committee Annexure EEE 11.9
Agenda SoE -EEE 11.10	Any other discussions with the permission of chair

REGISTRAR

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To,
Members & Invitees

S No	Name	Affiliation	Position
1	Dr. Shilpa Mehta	Professor and HOD - EEE	Chairperson
2	Dr. P S Venkataramu	Professor - EEE	Member
3	Dr. Snehaprabha T V	Professor -EEE	Member
4	Dr. V Joshi Manohar	Associate Professor and Program Coordinator-EEE	Member
5	Ms. Ramya N Rao	Assistant Professor - EEE	Member
6	Mr. Nageswara Rao A	Assistant Professor - EEE	Member
7	Ms Ragasudha C P	Assistant Professor - EEE	Member
8	Dr Geeta Anmol Patil	Assistant Professor - CSE	Member
9	Dr Shwetha M	Assistant Professor - ECE	Member
10	Dr Rex Joseph	Associate Professor, EEE, PES University, Bengaluru	External Member (Academic)
11	Dr Uma Rao	Professor, EEE, R.V. C. E, Bengaluru	External Member (Academic)
12	Mr John Justus	Assistant General Manager, Ashok Leyland Plant-I, Hosur 635126	External Member (Industry)
13	Ms. Ramya K	Assistant Professor - EEE	Member Secretary

Permanent Invitees

Shri. Nissar Ahmed, Hon'b1e Chancellor, Presidency University

Shri. Salman Ahmed, Hon'b1e Board Member, PGI

Dr. Radha Padmanabhan, Vice Chancellor, Presidency University

Chair Person

REGISTRAR

2

SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref. No.: PU/SoE/EEE/BoS-11/2020-21/MoM-02   Date 6th September, 2020

Minutes of the 11th Meeting of Board of Studies (Electrical and Electronics Engineering)

The 11th meeting of the Board of Studies of the Electrical and Electronics Engineering was held on 05-09-2020 at 10.00 am in Online Mode via the Zoom link

https://us02web.zoom.us/j/84121683573?pwd=K2JNR3Qrd1NXbStsSXRQc08rNHEwZz09

hosted from Presidency University Campus Itgalpur, Rajankunte, Yelahanka, Bengaluru.

The following members were present:

S No	Name	Affiliation	Position
1.	**Dr. Shilpa Mehta**	**Professor and HOD - EEE**	**Chairperson**
2.	Dr. P S Venkataramu	Professor - EEE	Member
3.	Dr. Snehaprabha T V	Professor -EEE	Member
4.	Dr. V Joshi Manohar	Associate Professor and Program Coordinator-EEE	Member
5.	Ms. Ramya N Rao	Assistant Professor - EEE	Member
6.	Mr. Nageswara Rao A	Assistant Professor - EEE	Member
7.	Ms Ragasudha C P	Assistant Professor - EEE	Member
8.	Dr Geeta Anmol Patil	Assistant Professor - CSE	Member
9.	Dr Shwetha M	Assistant Professor - ECE	Member
10.	Dr Rex Joseph	Associate Professor, EEE, PES University, Bengaluru	External Member (Academic)
11.	Dr Uma Rao	Professor, EEE, R.V. C. E, Bengaluru	External Member (Academic)
12.	Mr John Justus	Assistant General Manager, Ashok Leyland Plant-I, Hosur 635126	External Member (Industry)
13.	Ms. Ramya K	Assistant Professor - EEE	Member Secretary

The Chairperson extended a warm welcome to the members, particularly to the external members, and called the meeting to order. The chairperson has informed that the modifications in the existing Program Regulations and Curriculum will be incorporated.

Agenda SoE-EEE 11.1: To approve the minutes and ATR of 10th Board of Studies Meeting held on 17th January 2020

The Minutes of 10th meeting of the BoS held on 17th January, 2020 is unanimously approved by the members **Annexure EEE 11.1.1** and the Action taken report of the 10th BoS Minutes

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Annexure EEE 11.1.2 was presented by the Chairperson and the same is documented**.** The key actions taken for 2017 Batch are listed in the table below, the changes were approved and implemented in the PRC Document.

Sl. No	Old PRC Course Code	Old PRC Course Title	Old PRC Semester	New PRC Course Code	New PRC Course Title	New PRC Semester
1	EEE 3XX	Discipline Elective – III	6th	EEE 3XX	Discipline Elective - IV	8th
2	EEE 4XX	Open Elective – I	6th	EEE 4XX	Open Elective - II	8th

Agenda S0E-EEE 11.2: Discussion on the CBCS course grid, Credit Structure and Curriculum structure for 2020 admitted students.

From the curriculum feedback taken from the stake holders, for the Incoming B.Tech 2020-2024 batch the following changes are proposed and Documented in **Annexure EEE 11.2.**

SoE-EEE 11.2.1: Credit structure for the Courses PPS 105,106,107 and 108 (Personal and Professional Skills) offered by Learning and Development Department, during the First 4 semesters in the Curriculum, is changed as described in the table below

Sl.No.	Course Code	Credit Structure L-T-P-C Earlier	Credit Structure L-T-P-C Now	No of Credits Released
1	PPS 10X (4 Courses)	1-0-0-1	0-0-0-0	4*1 = 4

SoE-EEE 11.2.2: A course Kannada Kali and a New Discipline Elective are being introduced as mentioned in the table below

Sl.No.	Course Code	Name of Newly Introduced Course	Credit Structure L-T-P-C	Credits Added
1	KAN 101	Kannada Kali	1-0-0-1	1
2	EEE 3XX	Discipline Elective	3-0-0-3	3

SoE-EEE 11.2.3 The Courses MAT 103(Engineering Mathematics-III), MAT104 (Engineering Mathematics – IV) are changed to MAT 107(Transform Techniques, Partial Differential Equations and Probability), MAT 108(Numerical Methods, Probability and Sampling Distributions) and is approved by respective boards which is incorporated in PRC across all Branches as mentioned in the table below.

SL.No	Old PRC Course	Old PRC Course Title	Old PRC Semester	New PRC Course	New PRC Course Title	New PRC Semester

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	Code			Code		
1	MAT 103	Engineering Mathematics - III	3rd	MAT 107	Transform Techniques, Partial Differential Equations and Probability	3rd
2	MAT 104	Engineering Mathematics - IV	4th	MAT 108	Numerical Methods, Probability and Sampling Distributions	4th

EEE 11.2 Resolutions: The change in the credit structure of PPS courses, introduction of Kannada Kali course and new Discipline Elective and change in the title of Mathematics course were approved by the committee members.

Agenda SoE-EEE 11.3: Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students.

EEE 11.3.1: The Title of the course offered by Department of Electronics and Communication Engineering, ECE 253- Signals & Systems Lab with MATLAB to be changed as ECE 253- Signals & systems Lab and the same is documented in **Annexure EEE 11.3.**

EEE 11.3.1 Resolution: The change in the title of the course Signals and System which is offered by Department of Electronics and Communication Engineering and Mathematics courses were approved by the BoS members.

Agenda SoE-EEE 11.4: Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students

The Chairperson presented the details of the program regulations and Curriculum for the 2018 admitted students to the BoS members.

Resolution: All the members discussed on PRC for the 2018 admitted students as listed in **Annexure EEE 11.4** and approved the same.

Agenda SoE-EEE 11.5: Discussion on the Program Regulations &Curriculum [PRC] for the 2017 admitted students

The Chairperson presented the details of the program regulations and Curriculum for the 2017admitted students to the BoS members.

Resolution: All the members discussed on PRC for the 2017 admitted students as listed in **Annexure EEE 11.5** and approved the same.

Agenda SoE-EEE 11.6: Discussion on Feedback analysis and ATR of stake holders

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The feedback collected from Stakeholders such as students, parents, faculty, Alumni and Industry Professionals was analyzed and is presented in **Annexure EEE 11.6.1**. The ATR based on the feedback collected is presented in **Annexure EEE 11.6.2**. The list of newly introduced school core and discipline elective courses based on feedback from students, alumni, faculty, and Industry representatives were presented.

Resolution: The BoS members deliberated the discussion on stake holders feedback and the approved list of newly introduced courses. **Annexure EEE 10.6.2.1**

Agenda SoE-EEE 11.7: Approval of NPTEL course list for DE/ OE credit transfer

We already allow our students to register for online courses for achieving required creditsthrough NPTEL/SWAYAM with a provision for credit transfer. Further, the BoS membersauthorized the chairperson and subcommittee to modify the course list from time to time as perthe availability on online portals.

SoE-EEE 11.7.1 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2020, the List are approved for Discipline Electives/under EEE

SoE-EEE 11.7.2 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2020, the List are approved for Open Electives under EEE

This also caters to the recommendations received in feedback from stake holders to incorporate latest programming languages. Both the list are in **Annexure EEE 11.7**.

Agenda SoE-EEE 11.8 : Approval of external and internal examiners list

The chairperson presented the updated list of External Examiners for various courses in all the programs of the Department. The list of approved external examiners is in the **Annexure EEE 11.8.1 and** All teaching internal faculty of EEE Department are default internal examiners as in **Annexure EEE 11.8.1.**

Resolution The BoS committee approved the list and authorized the Chairperson and subcommittee to modify the list of external examiners from time to time.

Agenda SoE-EEE.11.9 Approval of previous semester Course Handouts approved by

Department Academic Committee

The chairperson presented the course contents of AY 2019-2020(EVEN) of various programs and semesters as approved by the BOS chairpersons based on the approval of the respective Departmental Academic Committees [DAC].

Resolution

The course contents/ course handouts for the Academic Year 2019-2020 EVEN semester were approved by the BoS members

Agenda SoE-EEE 11.10 : Any other matter with the permission of the Chair

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The bench recommended for following considerations,

The Chairperson has requested approval from the committee to incorporate modifications / alterations, if any, approved by the BoS committee of other departments for the existing courses offered for our branch students by other departments. It is also informed by the Chairperson that there is a possibility of some modifications in the syllabus of common courses for B.Tech Batches. All BoS meetings are happening parallely in duration of last week of August and First week of September 2020. The BoS Committee for Electrical and Electronics Engineering has approved the proposal unanimously. The BoS Committee has authorized the BoS Chairperson and subcommittee of Electrical and Electronics Engineering, to incorporate minor corrections / edits, if required.

The BoS Chairperson has conveyed that the decisions taken during the 11th meeting of BoS for Electrical and Electronics Engineering will be implemented as early as possible wherever applicable. The Chairperson has conveyed thanks to all the members and informed that the date of next BoS meeting will be notified soon.

The meeting ended with Vote of Thanks.

BoS Committee:

S No	Name	Affiliation	Position
1.	**Dr. Shilpa Mehta**	**Professor and HOD - EEE**	**Chairperson**
2.	Dr. P S Venkataramu	Professor - EEE	Member
3.	Dr. Snehaprabha T V	Professor -EEE	Member
4.	Dr. V Joshi Manohar	Associate Professor and Program Coordinator-EEE	Member
5.	Ms. Ramya N Rao	Assistant Professor - EEE	Member
6.	Mr. Nageswara Rao A	Assistant Professor - EEE	Member
7.	Ms Ragasudha C P	Assistant Professor - EEE	Member
8.	Dr. Geeta Anmol Patil	Assistant Professor - CSE	Member
9.	Dr. Shwetha M	Assistant Professor - ECE	Member
10.	Dr. Rex Joseph	Associate Professor, EEE, PES University, Bengaluru	External Member (Academic)
11.	Dr Uma Rao	Professor, EEE, R.V. C. E, Bengaluru	External Member (Academic)
12.	Mr John Justus	Assistant General Manager, Ashok Leyland Plant-I, Hosur 635126	External Member (Industry)
13.	Ms. Ramya K	Assistant Professor - EEE	Member Secretary

As per the feedback received, New Courses are introduced as per Annexure EEE 11.6.2.1. and Course Content Revisions are made as per Annexure EEE 11.6.2.2 for the AY 2020-21.

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Annexure EEE 11.6.2.1

List of new courses:

SI No	Course code	Course Name	L	T	P	C
1	EEE 334	Battery Technology	3	0	0	3
2	EEE 319	Electric Vehicles	3	0	0	3
3	EEE 320	Finite Element Analysis for Electrical Machines	3	0	0	3
4	EEE 321	Switched Mode Power Conversion	3	0	0	3
5	EEE 322	PLC's for automation	3	0	0	3
6	EEE 323	Introduction to Micro Electro Mechanical Systems	3	0	0	3
7	EEE 324	Special Electrical Machines and their Applications	3	0	0	3
8	EEE 325	Sensors, Transducers and their applications	3	0	0	3
9	EEE 326	Computer Applications in power systems	3	0	0	3
10	EEE 328	Energy Audit and Demand Side Management	3	0	0	3
11	EEE 329	Fundamentals of Automotive Electronics	3	0	0	3
12	EEE 331	Industrial Automation and Control	3	0	0	3
13	EEE 332	Electric Vehicles II	3	0	0	3
14	EEE 333	Automotive Safety	3	0	0	3
15	EEE327	Renewable Energy sources	3	0	0	3

Annexure EEE 11.6.2.2

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
1	EEE 257	Electrical and Electronic Measurements and Instrumentation Lab	0	0	2	1
2	EEE 263	Computer Aided Design for Electric machine winding	0	0	2	1
3	EEE 309	Real Time Embedded System Design	3			

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4	EEE 314	Energy management systems and SCADA	3	0	0	3
5	EEE 221	Energy Audit	3	0	0	3
6	EEE 222	Research Methodology	3	0	0	3
7	EEE 103	Professional Ethics in Engineering	3	0	0	3
8	EEE 224	Soft Computing Techniques	3	0	0	3
9	EEE 104	Control Systems	3	0	0	3
10	EEE 225	Fundamentals of Robotics	3	0	0	3
11	EEE 105	Electrical Engineering Lab	2	0	2	2
12	EEE 226	Nanotechnology Fundamentals and Applications	3	0	0	3

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12th BoS MEETING NOTICE

The 12th Board of Studies meeting of the Electrical and Electronics Engineering, School of Engineering, Presidency University is convened on 27th July 2021 at 9.30 am in Online Mode via the MS Teams link,

https://teams.microsoft.com/l/meetupjoin/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLr pbxRY6dE1%40thread.tacv2/1626930133514?context=%7b%22Tid%22%3a%22bf93bb5e- ecf0-4e3d-be0e-79b5cc527a48%22%2c%22Oid%22%3a%22bdeed6be-1a69-4fa9-b729- 912b3e3cee86%22%7d

hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru. I request your gracious presence to have a truthful discussion for enhancing the curriculum.

AGENDA

Agenda SoE-EEE 12.1	To approve the minutes & ATR of 11th Board of Studies Meeting held on 05th September 2020. Annexure EEE 12.1.1 Annexure EEE 12.1.2
Agenda SoE -EEE 12.2	Discussion on the Program Regulations &Curriculum [PRC] for the 2020 admitted students Annexure EEE 12.2
Agenda SoE -EEE 12.3	Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students Annexure EEE 12.3
Agenda SoE -EEE 12.4	Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students Annexure EEE 12.4
Agenda SoE -EEE 12.5	Feedback analysis and ATR of stake holders Annexure EEE 12.5.1 Annexure EEE 12.5.2
Agenda SoE -EEE 12.6	**Discussion on the Proposed CBCS Course grid and the Course catalogues for the 2021 admitted students** Annexure EEE 12.6
Agenda SoE -EEE 12.7	Approval of NPTEL course list for DE/ OE credit transfer Annexure EEE 12.7.1 Annexure EEE 12.7.2
Agenda SoE -EEE 12.8	Approval of external and internal examiners list Annexure EEE 12.8.1 Annexure EEE 12.8.2
Agenda SoE -EEE 12.9	Approval of previous semester Course Handouts approved by Department Academic Committee
Agenda SoE -EEE 12.10	Any other discussions with the permission of chair.

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To,

Members & Invitees

S No	Name	Affiliation	Position
1	Dr. Abdul Sharief	Dean, School of Engineering	Chairperson
2	Dr Joshi Manohar V	Associate Professor & Head of the Department	Member Secretary
3	Dr. Snehaprabha T V	Professor and Director student Welfare	Member
4	Ms. Ramya K	Assistant Professor	Member
5	Dr S Senthil Kumar	Global IP counsel, Senior Hitachi ABB Power Grids	Senior Professional
6	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8	Mr Sukumar S J	Assistant Professor	Special Invitee
9	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee

Permanent Invitees

Shri. Nissar Ahmed, Hon'ble Chancellor, Presidency University
Shri. Salman Ahmed, Hon'ble Board Member, PGI
Dr. D Subhakar, Vice Chancellor, Presidency University
Dr. Surendra Kumar, Pro Vice Chancellor, Presidency University

Member secretary

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

Chairman

Dean, SoE
Presidency University
Bangalore- 560064

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SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref. No.: PU/SoE/EEE/BoS-12/2021-22/MoM-01   Date 28th July, 2021

Minutes of the 12th Meeting of Board of Studies (Electrical and Electronics Engineering)

The 12th meeting of the Board of Studies of the Electrical and Electronics Engineering was held on 27-07-2021 at 9.30 am in Online Mode via the MS Teams link

https://teams.microsoft.com/l/meetupjoin/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLr pbxRY6dE1%40thread.tacv2/1626930133514?context=%7b%22Tid%22%3a%22bf93bb5e-ecf0-4e3d-   be0e-79b5cc527a48%22%2c%22Oid%22%3a%22bdeed6be-1a69-4fa9-b729-912b3e3cee86%22%7d

hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru.

12th BoS committee members:

S No	Name	Affiliation	Position
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairman
2.	Dr Joshi Manohar V	Associate Professor & Head of the Department	Member Secretary
3.	Dr. Snehaprabha T V	Professor and Director student Welfare	Member
4.	Ms. Ramya K	Assistant Professor	Member
5.	Dr S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
6.	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7.	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8.	Mr Sukumar S J	Assistant Professor	Special Invitee
9.	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee

The member secretary/ HoD extended a warm welcome to the members, particularly to the external members and introduced all the members in the committee. The chairman of 12th BoS meeting, Dr. Abdul Sharief delivered the opening remarks by requesting BoS members to deliberate on each agenda and to provide constructive suggestions for the effective implementation of the proposed CBCS system.

With the permission of chairperson, the member secretary had presented the following agenda points and deliberations were recorded.

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Agenda SoE-EEE 12.1: To approve the minutes of 11th Board of Studies Meeting held on 5th Sept 2020

Resolution SoE-EEE 12.1: The Minutes of 11th BoS meeting held on 5th September 2020 and its Action taken report (ATR) was discussed **Annexure EEE 12.1.1 and 12.1.2** and approved by the members.

Agenda SoE-EEE 12.2: Discussion on the Program Regulations & Curriculum [PRC] for the 2020 admitted students

Resolution SoE-EEE 12.2: The proposed changes in Program Regulations & Curriculum [PRC] for the 2020 admitted students was presented as in **Annexure EEE 12.2** by the member secretary and the same had been discussed and approved.

Table 1: Illustrating the proposed changes in PRC for 2020 admitted students

S. No	B.Tech (Electrical and Electronics Engineering) TYPE OF COURSES	PRC for 2019 Admitted Students NO. OF COURSES	CREDITS	PRC for 2020 Admitted Students NO. OF COURSES	CREDITS	Remarks on changes
1	Basic Sciences (BS)	9	29	9	27	One credit is reduced in mathematics courses offered in III&IV semesters
2	Core (Professional) Course (CC)	29	76	14	43	Flexibility is enhanced by introducing additional courses/credits in discipline electives.
3	Discipline(Professional) Elective (DE)	4	12	14	43	
4	Open Elective (OE)	2	6	07	20	To encourage multi-disciplinary learning, the credits are increased for open electives

Agenda SoE-EEE 12.3: Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students

Resolution SoE-EEE 12.3: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2019 admitted students as listed in **Annexure EEE-12.3** (There are no changes except for the points mentioned under Agenda SoE-EEE 12.9).

Agenda SoE-EEE 12.4: Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students

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Resolution SoE-EEE 12.4: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2018 admitted students as listed in **Annexure EEE-12.4.** (There are no changes except for the points mentioned under Agenda SoE-EEE 12.9).

Agenda SoE-EEE 12.5: Discussion on the Feedback obtained on curriculum from Industry, students, alumni & faculty members

Resolution SoE-EEE 12.5: The member secretary presented the gist of feedback obtained on existing curriculum from Industry, students, alumni & faculty members and the analysis as listed in **Annexure EEE 12.5.1** and highlighted the necessity of revamping the curriculum towards flexible Choice based Credit System(CBCS). The action taken report was presented in **Annexure EEE12.5.2**. All the members have appreciated the efforts.

Agenda SoE-EEE 12.6: Discussion on the Proposed CBCS Course grid and the Course catalogues for the 2021 admitted students

The member secretary presented the salient features of proposed program structure and CBCS Course grid including course catalogues in **Annexure EEE 12.6** which was duly approved after much deliberation with following discussion points:

(i)   Dr Pradeep Kumar Yemula suggested strengthening the role of faculty advisor need to be addressed in order to guide the students to choose the appropriate courses.

(ii) Dr Pradeep Kumar Yemula suggested having multi-disciplinary student project groups in every semester and a project expo may be conducted once in an academic year.

(iii) Dr Vignesh V recommended to include topics such as electromechanical energy conversion and three phase transformers in Electrical Machines (EEE2006) course and to include Laboratory component in the Discipline elective course, Computer Applications in power systems (EEE3016).

(iv) Dr S Senthil Kumar suggested that the instructors can frame the questions instantly during lab sessions instead of pre-defining in course catalogue catering to level 2 questions.

(v)   The member secretary requested external expert from the industry Dr S Senthil Kumar to extend his support to carry out **Industry Taken to the class concept** by demonstrating the real time industrial operations in virtual mode during the laboratory sessions at least once in a semester.

(vi) Dr Vignesh suggested providing an option for less CGPA students to choose credits/courses either from Discipline Electives or Open electives in lieu of University project.

The recommendations of the experts were considered and addressed as follows:

(i)   **Strengthening the faculty advisory system**: The University is already having effective mentoring system by the faculty advisors and the same can be further strengthened/ trained in order to guide the students for selecting the appropriate courses.

(ii) **Multi-disciplinary student project groups in every semester:** The multi-disciplinary innovative project course is already incorporated in the proposed curriculum (CBCS) for the first and second semester students and the same may be extended in due course of time.

(iii) The topics of Electromechanical Energy conversion and three phase transformers are included in Electrical machines (EEE 2006) course. The laboratory component is included indiscipline elective course of computer applications in power systems (EEE 3016) and the revised credit structure is 3-2-4.

(iv) **Framing of instant questions (Level 2) in laboratory:** The suggestion is well considered and the same thing will be practiced in laboratory sessions.

(v) **Industry Taken to the class concept:** The concept was appreciated by the industrial expert and expressed his willingness to support the model.

(vi) Option to choose credits/courses either from Discipline Electives or Open electives in lieu of University project for less CGPA students, if interested:

The suggestion was considered but as per the University Academic Regulations, it may not be possible to implement in this Academic year, however it will be placed before academic council for further action.

Agenda SoE-EEE 12.7: Approval of NPTEL course list for DE/ OE credit transfer

We already allow our students to register for online courses for achieving required credits through NPTEL/SWAYAM with a provision for credit transfer. Further, the BoS members authorized the chairperson and subcommittee to modify the course list from time to time as per the availability on online portals.

SoE-EEE 12.7.1 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2020, the List are approved for Discipline Electives/under EEE

SoE-EEE 12.7.2 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2020, the List are approved for Open Electives under EEE

This also caters to the recommendations received in feedback from stake holders to incorporate latest programming languages. Both the list are in **Annexure EEE 12.7**.

Agenda SoE-EEE 12.8: Approval of updated list of External Examiners for various courses in all the programs of the Department.

The BoS committee authorized the Chairperson and subcommittee to modify the list of external examiners from time to time.

EEE 12.8.1 The list of approved external examiners is in the **Annexure EEE 12.8.1**

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EEE 12.8.2 All teaching faculty of EEE Department are default examiners is in the **Annexure EEE 12.8.2**

Agenda SoE-EEE.12.9 Approval of previous semester Course Handouts approved by Department Academic Committee

The chairperson presented the course contents of AY 2020-2021 of various programs and semesters as approved by the BoS chairpersons based on the approval of the respective Departmental Academic Committees [DAC].

Resolution

The course contents/ course handouts for the Academic Year 2020-2021 were approved by the BoS members

Agenda SoE-EEE 12.10: Any Other Matter with the permission of the chair

To ratify the proposal of offering of soft skills course of 3 credits and Coding Training of 2 credits for the 2018 admitted students in lieu of the 5 credits course of Professional Practice 1

Resolution SoE-EEE 12.9.1:

The member secretary presented the course handouts of soft skill course of 3 credits and coding training course of 2 credits for the 2018 admitted students in lieu of PP-1 and the same has been approved by the committee members and recorded To ratify the proposal of allowing the students to register for the "SMART MANAGERS' Certificate programs through different courses offered by AIU- CII for the 2019 admitted students in lieu of the 5 credits course of Professional Practice-1

Resolution SoE-EEE 12.10.2:

The course handouts for the "SMART MANAGERS' Certificate programs through different courses offered by AIU- CII for 1 credit and soft skill course & coding training course for 4 credits in lieu of PP-1 for 2019 admitted students was presented by member secretary and the same was ratified by the committee.

The BoS Committee has authorized the BoS Chairperson and subcommittee of Electrical and Electronics Engineering, to incorporate minor corrections / edits, if required. The BoS Chairperson has assured that the decisions taken during the 12th BoS meeting for Electrical and Electronics Engineering will be implemented as early as possible and will be conveyed. The Chairperson and member secretary had expressed special thanks to all the members and requested to extend the same support for the future activities.

The meeting ended with Vote of Thanks by Ms Ramya K

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BoS Committee Members;

S No	Name	Position	Signature with Date
1	Dr. Abdul Sharief	Chairman	Present
2	Dr Joshi Manohar V	Member Secretary	Present
3	Dr. Snehaprabha T V	Member	Present
4	Ms. Ramya K	Member	Present
5	Dr S Senthil Kumar	Senior Professional	Present
6	Dr Pradeep Kumar Yemula	External Expert	Present
7	Dr Vignesh V	External Expert	Present
8	Mr Sukumar S J	Special Invitee	Not Attended
9	Mr K Sreekanth Reddy	Special Invitee	Present

The 12th BoS meeting was hosted online via the MS Teams https://teams.microsoft.com/l/meetup-join/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/1626930133 514?context=%7b%22Tid%22%3a%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22%2c%22Oid%22%3a%22bdeed6be-1a69-4fa9-b729-912b3e3cee86%22%7d

Fig. 1. The screenshot of 12th BoS meeting on MS Teams

First row L to R- Dr Snehaprabha TV, Ms Ramya K and Dr Vignesh V
Second row L to R- Dr S Senthil Kumar, Mr Bishakh Paul and Dr Pradeep Kumar Yemula
Third row L to R- Dr Joshi Manohar V, Dr Abdul Sharief and Mr K Sreekanth Reddy.

As per the feedback received, New Courses are introduced as per Annexure EEE.12.6.2.1 and Course Content Revisions are made as per Annexure EEE.12.6.2.2for the AY 2021-22.

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Annexure EEE. 12.6.2.1

List of new courses:

SI No	Course code	Course Name	L	T	P	C
1	EEE2002	Electric Circuit Analysis	2	0	2	3
2	EEE1001	Fundamentals of Electrical and Electronics Engineering	3	0	2	4
3	EEE2001	Signals and Signal Processing Systems	2	0	2	3
4	EEE2004	Opamps and Linear Integrated Circuits	2	0	2	3
5	EEE2005	Microprocessor and Microcontrollers	2	0	2	3
6	EEE2006	Electrical Machines	3	0	2	4
7	EEE2008	Electrical Power Generation Transmission and Distribution	3	0	0	3
8	EEE2011	Computer Aided Design for Electrical Machines	2	0	2	3
9	EEE2013	Analog and Digital Electronics	2	0	2	3
10	EEE2014	Electrical Workshop Practice Lab	0	0	2	1
11	EEE3005	Digital control and state variable methods	3	0	0	3
12	EEE3007	Modern power electronics and AC drives	3	0	0	3
13	EEE3008	Materials in Electrical Systems	3	0	0	3
14	EEE3037	Mechatronics	3	0	0	3
15	EEE3009	AI applications for Electrical Engineering	3	0	2	4
16	EEE3010	Electrical Estimation and Costing	3	0	0	3
17	EEE3012	Reactive power compensation and Management	3	0	0	3
18	EEE3020	Microgrid Technologies	3	0	0	3
19	EEE3028	Power System Planning	3	0	0	3
20	EEE3029	HVDC transmission	3	0	0	3
21	EEE3030	Energy Storage Systems	3	0	0	3

22	EEE3024	Solar photovoltaic & Wind Energy Systems	3	0	0	3
23	EEE3032	Big Data Analytics in Power Systems.	3	0	0	3
24	EEE3027	Fundamentals of Electric Vehicle /Electric Vehicle Technology	3	0	0	3
25	EEE3042	Automotive Embedded systems	2	0	2	3
26	EEE3043	AI Techniques for EVs and HEVs	3	0	0	3
27	EEE3044	Automation of Electrical systems	3	0	0	3
28	EEE3047	Automotive Electrical and Electronic systems for Two and Three Wheelers	3	0	0	3
29	EEE3048	Power Electronics Applications for Electrical Vehicles	3	0	0	3
30	EEE3036	Battery Management Systems	3	0	0	3
31	EEE1002	IoT based Smart Building Technology	3	0	0	3
32	EEE1003	Basic Circuit Analysis	2	0	2	3
33	EEE1004	Fundamentals of Industrial Automation	3	0	0	3
34	EEE1007	Fundamentals of Sci Lab Programming	2	0	2	3
35	EEE2064	Electrical CAD Laboratory	0	0	2	1
36	EEE1006	Smart Sensors for Engineering Applications	3	0	0	3

Annexure EEE. 12.6.2.2

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
1	EEE204/ EEE2003	Electromagnetic Theory/ Electric Magnetic Fields	3	0	0	3
2	EEE 209/ EEE2012	Electrical and Electronic Measurements and Instrumentation	2	0	2	3
3	EEE 205/ EEE2007	Control Systems/Control System Engineering	3	0	0	3
4	EEE 214/ EEE2019	Power Electronics	3	0	2	4
5	EEE 259/ EEE2063	Control System Lab / Control Systems Engineering Lab	0	0	2	1
6	EEE 261 / EEE2065	Power Electronics Lab	0	0	2	1
7	EEE 215/ EEE3002	Power System Analysis	3	0	0	3
8	EEE 218 / EEE3003	Power System Protection/Switchgear Protection	3	0	0	3
9	EEE 262/ EEE3061	Power System Simulation Lab	0	0	2	1
10	EEE 304 / EEE3001	Introduction to Electrical Drives /Electric Drives	3	0	0	3
11	EEE 306 / EEE3021	FACTs Controllers in Power Transmission & Distribution/Flexible A. C Transmission Systems (FACTS)	3	0	0	3
12	EEE 307/ EEE3022	Power Quality in Electrical Systems/ Electrical Power Quality	3	0	0	3
13	EEE 310	Electric Power Generation	3	0	0	3
14	EEE 311/ EEE3031	Utilization of Electrical Energy/Electrical Power Utilisation	3	0	0	3
15	EEE 312 /EEE3025	Power system operation and control	3	0	0	3
16	EEE 313/ EEE3006	High voltage engineering	3	0	0	3
17	EEE 223/ EEE3034	Smart Grid Technology/Smart Grid Technologies	3	0	0	3
18	EEE 319	Electric Vehicles	3	0	0	3

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19	EEE 320	Finite Element Analysis for Electrical Machines	3	0	0	3
20	EEE 321	Switched Mode Power Conversion	3	0	0	3
21	EEE 322	PLC's for automation	3	0	0	3
22	EEE 323/EEE3045	Introduction to Micro Electro Mechanical Systems / Micro Electro Mechanical Systems	3	0	0	3
23	EEE 324/EEE3004	Special Electrical Machines and their Applications/Special Electrical Machines	3	0	0	3
24	EEE 326/ EEE3016	Computer Applications in power systems	3	0	0	3
25	EEE 328/ EEE3026	Energy Audit and Demand Side Management	3	0	0	3
26	EEE 333/ EEE3049	Automotive Safety / Automotive Safety System	3	0	0	3
27	EEE327 /EEE3019	Renewable Energy sources/Renewable and Distributed Energy Sources	3	0	0	3

Member secretary

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

Chairman

Dean, SoE
Presidency University
Bangalore- 560064

13th BoS MEETING NOTICE

The 13th Board of Studies meeting of the Electrical and Electronics Engineering, School of Engineering, Presidency University is convened 27-12-2021 at 4.30 pm in Online Mode via the MS Teams link,

https://teams.microsoft.com/l/meetup-join/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/16450029 50660?context=%7b%22Tid%22%3a%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22%2c%22Oid%22%3a%22f2c57399-2cba-42b0-a1fc-a863f9dbeb52%22%7d

hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru.

I request your gracious presence to have a truthful discussion for enhancing the curriculum.

AGENDA

Agenda SoE-EEE 13.1	To approve the minutes & ATR of 12th Board of Studies Meeting held on 27th July 2021. Annexure EEE 13.1.1 Annexure EEE 13.1.2
Agenda SoE -EEE 13.2	Discussion on the CBCS course grid, Credit Structure and Curriculum structure for 2021 admitted students. Annexure EEE 13.2
Agenda SoE -EEE 13.3	Discussion on the CBCS course grid, Credit Structure and Curriculum structure for 2020 admitted students. Annexure EEE 13.3
Agenda SoE -EEE 13.4	Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students Annexure EEE 13.4
Agenda SoE -EEE 13.5	Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students Annexure EEE 13.5
Agenda SoE -EEE 13.6	Feedback analysis and ATR of stake holders Annexure EEE 13.6.1 Annexure EEE 13.6.2
Agenda SoE -EEE 13.7	Approval of NPTEL course list for DE/ OE credit transfer Annexure EEE 13.7.1 Annexure EEE 13.7.2

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Agenda SoE -EEE 13.8	Approval of external and internal examiners list Annexure EEE 13.8.1 Annexure EEE 13.8.2
Agenda SoE -EEE 13.9	Approval of previous semester Course Handouts approved by Department Academic Committee Annexure EEE 13.9
Agenda SoE -EEE 13.10	Any other discussions with the permission of chair

To,

Members & Invitees

S No	Name	Affiliation	Position
1	Dr. Abdul Sharief	Dean, School of Engineering	Chairman
2	Dr Joshi Manohar V	Associate Professor & Head of the Department	Member Secretary
3	Dr. Snehaprabha T V	Professor and Director student Welfare	Member
4	Ms. Ramya K	Assistant Professor	Member
5	Dr S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
6	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8	Mr Sukumar S J	Assistant Professor	Special Invitee
9	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee

Permanent Invitees

Shri. Nissar Ahmed, Hon'b1e Chancellor, Presidency University
Shri. Salman Ahmed, Hon'b1e Board Member, PGI
Dr. D Subhakar, Vice Chancellor, Presidency University
Dr. Surendra Kumar, Pro Vice Chancellor, Presidency University

Member secretary

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

Chairman

Dean, SoE
Presidency University
Bangalore- 560064

REGISTRAR

Registrar

2

SCHOOL OF ENGINEERING

Department of Electrical and Electronics Engineering

Ref. No.: PU/SoE/EEE/BoS-13/2021-22/MoM-02   Date 28th December, 2021

Minutes of the 13th Meeting of Board of Studies (Electrical and Electronics Engineering)

The 13th meeting of the Board of Studies of the Electrical and Electronics Engineering was held on 27-12-2021 at 4.30 pm in Online Mode via the MS Teams link https://teams.microsoft.com/l/meetup-join/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/16402401 45115?context=%7b%22Tid%22%3a%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22%2c%22Oid%22%3a%22bdeed6be-1a69-4fa9-b729-912b3e3cee86%22%7d hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru.

13th BoS committee members:

S No	Name	Affiliation	Position
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairman
2.	Dr Joshi Manohar V	Associate Professor & Head of the Department	Member Secretary
3.	Dr. Snehaprabha T V	Professor and Director student Welfare	Member
4.	Ms. Ramya K	Assistant Professor	Member
5.	Dr S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
6.	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7.	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8.	Mr Sukumar S J	Assistant Professor	Special Invitee
9.	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee

The member secretary/ HoD extended a warm welcome to the members, particularly to the external members and introduced all the members in the committee. The member secretary of 13th BoS meeting, delivered the opening remarks by requesting BoS members to deliberate on each agenda and to provide constructive suggestions for the effective implementation of curriculum.

The member secretary had presented the following agenda points and deliberations were recorded.

REGISTRAR

Agenda SoE-EEE 13.1: To approve the minutes of 12th Board of Studies Meeting held on 27th July 2021

Resolution SoE-EEE 13.1: The Minutes of 12th BoS meeting held on 27th July 2021 and its Action taken report (ATR) was discussed and approved by the members. Annexure-EEE13.1.1 and Annexure-EEE13.1.2

Agenda SoE-EEE 13.2: Discussion on the CBCS course grid and course catalogues for the 2021 admitted students

Resolution SE-EEE 13.2: The member secretary presented the CBCS course grid and the course catalogues for the 2021 admitted students as listed in Annexure-EEE 13.2. The credit structure of the course EEE2001-Signals and Signal Processing systems with L-P-C, 2-2-3 to 3-0-3 by removing the lab component in order to incorporate the basics of course strongly in students as advised by Dr.Vignesh V for 2021-22 batch onwards based on the approval of the respective Departmental Academic Committees[DAC] Annexure-EEE 13.5.

Agenda SoE-EEE 13.3: Discussion on the Program Regulations &Curriculum [PRC] for the 2020 admitted students

Resolution SoE-EEE 13.3: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2020 admitted students as listed in Annexure-EEE 13.3. All the members discussed on PRC and approved the same.

Agenda SoE-EEE 13.4: Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students

Resolution SoE-EEE 13.4: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2019 admitted students as listed in Annexure-EEE 13.4. It is observed thata few courses in 2019 Batch PRC and 2020 Batch PRC reflects with same course titles. In this regard,the member secretary requested the external experts to suggest the suitable titles for the below mentioned courses for changing the titles and experts suggested the titles and tabulated in Table.1.

Table.1: Approved course Titles for 2019 Batch PRC

Course Codes in 2019 PRC	Course Name	Suggested Titles
EEE 324	Special Electrical Machines	Special Electrical Machines and their Applications
EEE 303	Testing and Commissioning of Electrical Equipment's	Electrical Equipment Testing and Commissioning
EEE 304	Electrical Drives	Introduction to Electrical Drives
EEE 218	Switchgear and Protection	Power System Protection
EEE 306	Flexible A. C Transmission Systems (FACTS)	FACTs Controllers in Power Transmission & Distribution
EEE 307	Electrical Power Quality	Power Quality in Electrical Systems
EEE 311	Electrical Power Utilization	Utilization of Electrical Energy

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EEE 323	Micro Electro Mechanical Systems	Introduction to Micro Electro Mechanical Systems
EEE 325	Sensors and Transducers	Sensors, Transducers and their applications
EEE 223	Smart Grid Technology	Introduction to Smart Grid Technology

Agenda SoE-EEE 13.5: Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students

Resolution SoE-EEE 13.5: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2018 admitted students as listed in Annexure-EEE 13.5. All the members discussed on PRC and approved the same.

Agenda SOE-EEE 13.6: Discussion on the Feedback obtained on curriculum from Industry, students, alumni & faculty members

Resolution SoE-EEE 13.6: The member secretary presented the gist of feedback obtained on existing curriculum from Industry, students, alumni & faculty members as listed in **Annexure -EEE13.6**

Agenda SoE-EEE 13.7: Approval of NPTEL course list for DE/ OE credit transfer

We already allow our students to register for online courses for achieving required credits through NPTEL/SWAYAM with a provision for credit transfer. Further, the BOS members authorized the chairperson and subcommittee to modify the course list from time to time as per the availability on online portals.

SoE-EEE 13.7.1 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2022, the List are approved for Discipline Electives/under EEE.

SoE-EEE 13.7.2 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2022, the List are approved for Open Electives under EEE.

This also caters to the recommendations received in feedback from stake holders to incorporate latest programming languages. Both the list are in **Annexure-EEE 13.7.1** and **Annexure-EEE 13.7.2**.

Agenda SoE-EEE 13.8 : Approval of updated list of External and Internal Examiners for various courses in all the programs of the Department.

The BoS committee authorized the Chairperson and subcommittee to modify the list of external examiners from time to time.

Resolution SoE-EEE 13.8.1: The list of approved external examiners is in the **Annexure EEE 13.8.1**

REGISTRAR

Resolution SoE-EEE   13.8.2: All teaching faculty of EEE Department are default examiners.
Annexure EEE 13.8.2

Agenda SoE-EEE   13.9 Approval of previous semester Course Handouts approved by Department Academic Committee

The chairperson presented the course contents of AY 2020-2021 of various programs and semesters as approved by the BOS chairpersons based on the approval of the respective Departmental Academic Committees [DAC].

Resolution SoE-EEE 13.9

The course contents/ course handouts for the Academic Year 2020-2021 were approved by the BoS members

Agenda SoE-EEE 13.10: Any Other Matter with the permission of the chair

The BOS Committee has authorized the BOS Chairperson and the subcommittee consisting of the internal members of the Electrical and Electronics Engineering Board, to incorporate minor corrections / edits, if required.

The BoS Chairperson has assured that the decisions taken during the 13th BoS meeting for Electrical and Electronics Engineering will be implemented after the approval from the next Academic Council meeting. The Chairperson and member secretary had expressed special thanks toall the members and requested to extend the same support for the future activities.

The meeting ended with Vote of Thanks by Ms Ramya K.

BoS Committee Members

S No	Name	Position	Signature
1.	Dr. Abdul Sharief	Chairman	Present
2.	Dr Joshi Manohar V	Member Secretary	Present
3.	Dr. Snehaprabha T V	Member	Not Attended
4.	Ms. Ramya K	Member	Present
5.	Dr S Senthil Kumar	Senior Professional	Present
6.	Dr Pradeep Kumar Yemula	External Expert	Present
7.	Dr Vignesh V	External Expert	Present
8.	Mr Sukumar S J	Special Invitee	Not Attended
9.	Mr K Sreekanth Reddy	Special Invitee	Present

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The 13th BoS meeting was hosted online via the MS Teams
https://teams.microsoft.com/l/meetup-join/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/16402401
45115?context=%7b%22Tid%22%3a%22bf93bb5e-ecf0-4e3d-be0e-
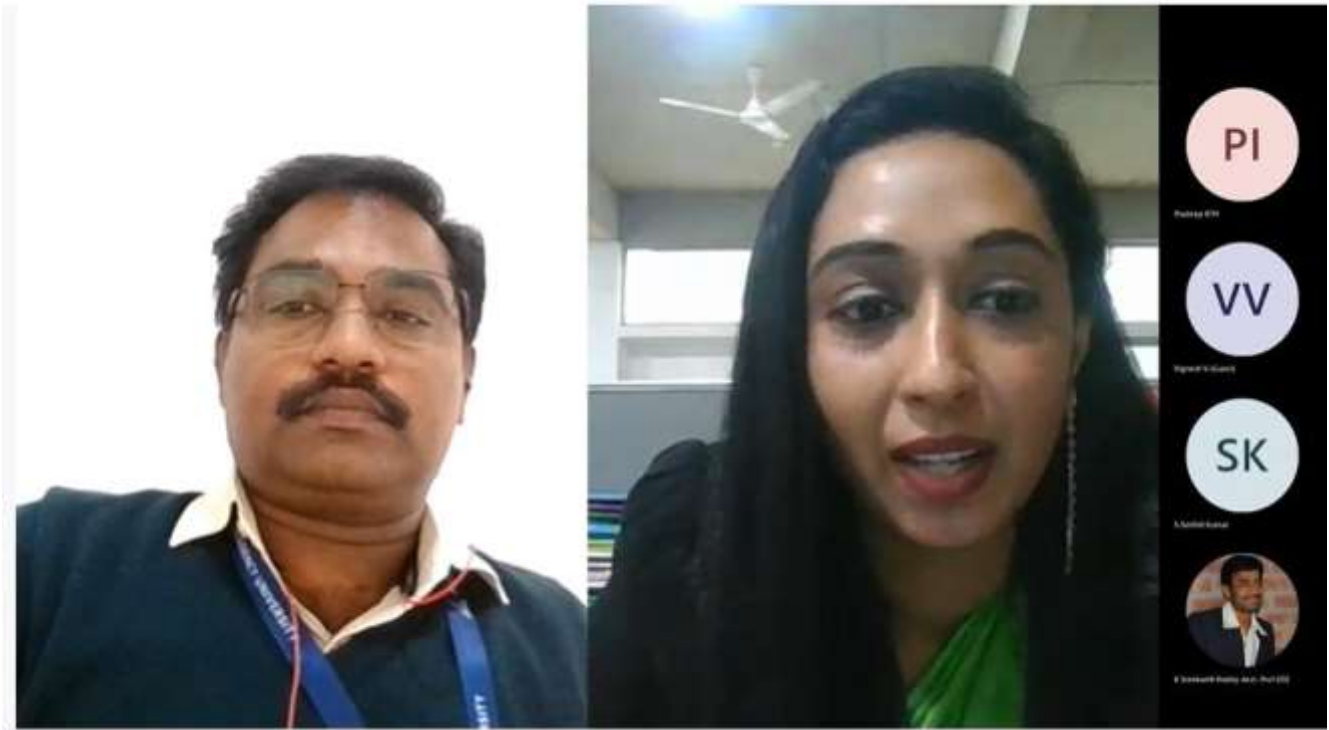79b5cc527a48%22%2c%22Oid%22%3a%22bdeed6be-1a69-4fa9-b729-912b3e3cee86%22%7d

Fig. 1. The screenshot of 13th BoS meeting on MS Teams
First column L to R- Dr Joshi Manohar V
Second column L to R- Ms Ramya K
Third column T to B- Dr Pradeep Kumar Yemula, Dr Vignesh V, Dr S Senthil Kumar and Mr K
Sreekanth Reddy.

As per the feedback received, New Courses are introduced as per Annexure EEE.13.6.2.1 and Course Content Revisions are made as per Annexure EEE.13.6.2.2 for the AY 2021-22.

<div align="center">

Annexure EEE 13.6.2.1

</div>

List of new courses:

SI No	Course code	Course Name	L	T	P	C
		NIL				

<div align="center">

Annexure EEE 13.6.2.2

</div>

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
1	EEE2001	Signals and Signal Processing Systems	3	0	0	3

(Member Secretary)
Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajonkunte, Yelahanka, Bengaluru -64

Dean, SoE
Presidency University
Bangalore- 560064

REGISTRAR

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14th BoS MEETING NOTICE

The 14th Board of Studies meeting of the Electrical and Electronics Engineering, School of Engineering, Presidency University is convened 22-02-2022 at 4.30 pm in Online Mode via the MS Teams link,

https://teams.microsoft.com/l/meetup-join/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/1645002950660?context=%7b%22Tid%22%3a%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22%2c%22Oid%22%3a%22f2c57399-2cba-42b0-a1fc-a863f9dbeb52%22%7d

hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru.

I request your gracious presence to have a truthful discussion for enhancing the curriculum.

AGENDA

Agenda SoE-EEE 14.1	To approve the minutes & ATR of 13th Board of Studies Meeting held on 27th December 2021. Annexure EEE 14.1.1 Annexure EEE 14.1.2
Agenda SoE -EEE 14.2	Discussion on the CBCS course grid, Credit Structure and Curriculum structure for 2021 admitted students. Annexure EEE 14.2
Agenda SoE -EEE 14.3	Discussion on the CBCS course grid, Credit Structure and Curriculum structure for 2020 admitted students. Annexure EEE 14.3
Agenda SoE -EEE 14.4	Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students Annexure EEE 14.4
Agenda SoE -EEE 14.5	Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students Annexure EEE 14.5
Agenda SoE -EEE 14.6	Feedback analysis and ATR of stake holders Annexure EEE 14.6.1 Annexure EEE 14.6.2
Agenda SoE -EEE 14.7	Approval of NPTEL course list for DE/ OE credit transfer Annexure EEE 14.7.1 Annexure EEE 14.7.2

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Agenda SoE -EEE 14.8	Approval of external and internal examiners list Annexure EEE 14.8.1 Annexure EEE 14.8.2
Agenda SoE -EEE 14.9	Approval of previous semester Course Handouts approved by Department Academic Committee Annexure EEE 14.9
Agenda SoE -EEE 14.10	Any other discussions with the permission of chair

To,

Members & Invitees

S No	Name	Affiliation	Position
1	Dr. Abdul Sharief	Dean, School of Engineering	Chairperson
2	Dr Joshi Manohar V	Professor & Head of the Department	Member Secretary
3	Ms Jisha L K	Assistant Professor	Member
4	Ms. Ramya K	Assistant Professor	Member
5	Dr S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
6	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8	Mr Sukumar S J	Assistant Professor	Special Invitee
9	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee

Permanent Invitees

Shri. Nissar Ahmed, Hon'b1e Chancellor, Presidency University
Shri. Salman Ahmed, Hon'b1e Board Member, PGI
Dr. D Subhakar, Vice Chancellor, Presidency University
Dr. Surendra Kumar, Pro Vice Chancellor, Presidency University

Member secretary

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

Chairman

Dean, SoE
Presidency University
Bangalore- 560064

REGISTRAR

2

SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref. No.: PU/SoE/EEE/BoS-14/2021-22/MoM-01   Date 24th February, 2022

Minutes of the 14th Meeting of Board of Studies (Electrical and Electronics Engineering)

The 14th meeting of the Board of Studies of the Electrical and Electronics Engineering was held on 22-02-2022 at 4.30 pm in Online Mode via the MS Teams link.

https://teams.microsoft.com/l/meetup-join/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/1645002950660?context=%7b%22Tid%22%3a%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22%2c%22Oid%22%3a%22f2c57399-2cba-42b0-a1fc-a863f9dbeb52%22%7d

hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru.

14th BoS committee members:

S No	Name	Affiliation	Position
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairman
2.	Dr Joshi Manohar V	Professor & Head of the Department	Member Secretary
3.	Ms Jisha L K	Assistant Professor	Member
4.	Ms. Ramya K	Assistant Professor	Member
5.	Dr S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
6.	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7.	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8.	Mr Sukumar S J	Assistant Professor	Special Invitee
9.	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee

The member secretary/ HoD extended a warm welcome to the members, particularly to the external members and introduced all the members in the committee. The member secretary of 14th BoS meeting, delivered the opening remarks by requesting BoS members to deliberate on each agenda and to provide constructive suggestions for the effective implementation of curriculum.

REGISTRAR

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The member secretary had presented the following agenda points and deliberations were recorded.

Agenda SoE-EEE 14.1: To approve the minutes of 13th Board of Studies Meeting held on 27th December 2021

Resolution SoE-EEE 14.1: The Minutes of 13th BoS meeting held on 27th December 2021 and its Action taken report (ATR) was discussed and approved by the members. **Annexure-EEE 14.1.1** and **Annexure-EEE 14.1.2**

Agenda SoE-EEE 14.2: Discussion on Curriculum Structure based on CBCS and OBE for the 2021 admitted students

Resolution SoE-EEE 14.2: The member secretary presented the CBCS course grid and the course catalogues for the 2021 admitted students as listed in **Annexure-EEE 14.2**.

Resolution SoE-EEE 14.2.1: In order to compensate the one credit which was lost due to the removal of Electrical Workshop Lab EEE 2014, Credit structure of 0-2-1 from Program Core, All the members unanimously agreed to change the credit structure of the course EEE2005-Microprocessor and Microcontroller from, 2-2-3 to 3-2-4.

Resolution SoE-EEE 14.2.2: To remove the following courses in CBCS Curriculum structure for 2021 admitted students.

Table.1: Courses removed from CBCS Curriculum structure for 2021 admitted students

SI No	Course code	Course Name
1	EEE 2014	Electrical Workshop (from Program Core)
2	EEE 3006	Renewable and Distributed Energy Sources(Discipline Elective)
3	EEE 3007	Mechatronics(Discipline Elective)
4	EEE 1005	Fundamentals of Sci Lab Programming(Open Elective)

Resolution SoE-EEE 14.2.3, 14.2.4, 14.2.5: To change the title of following courses in CBCS curriculum structure of 2021 admitted students.

SI No	Course code	Course Name	Suggested Titles
1	EEE 3027	Fundamentals of Electric Vehicle	Electric Vehicle Technology
2	EEE1003	Basic circuit Analysis using NI LAB view	Basic circuit Analysis
3	EEE1004	Automation and control in industries using PLC programing	Fundamentals of Industrial Automation

REGISTRAR

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Resolution SoE-EEE 14.2.6: Inclusion of the new course tilted "Electric Vehicles & Battery Technology".

Agenda SoE-EEE 14.3: Discussion on the Program Regulations & Curriculum [PRC] for the 2020 admitted students

Resolution SoE-EEE 14.3: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2020 admitted students as listed in **Annexure-EEE 14.3**. As the list of courses are considered from 2021 Curriculum structure, discussion on Agenda SOE-EEE 14.2 will be applicable for 2020 PRC too. The same has been discussed and approved.

Agenda SoE-EEE 14.4: Discussion on the Program Regulations & Curriculum [PRC] for the 2019 admitted students

Resolution SoE-EEE 14.4: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2019 admitted students as listed in **Annexure-EEE 14.4** All the members discussed on PRC and approved the same.

Agenda SoE-EEE 14.5: Discussion on the Program Regulations &Curriculum [PRC] for the 2018 admitted students.

Resolution SoE-EEE 14.5: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2018 admitted students as listed in **Annexure-EEE 14.5**. All the members discussed on PRC and approved the same.

Agenda SoE-EEE 14.6: Discussion on the Feedback obtained on curriculum from Industry, students, alumni & faculty members

Resolution SoE-EEE 14.6: The member secretary presented the gist of feedback obtained on existing curriculum from Industry, students, alumni, parents & faculty members and the analysis which is listed in **Annexure- EEE 14.6.1** and highlighted the necessity of revamping the curriculum towards flexible Choice based Credit System(CBCS). The action taken report of feedback collected is presented in **Annexure- EEE 14.6.2** All the members have appreciated the efforts.

Agenda SoE-EEE 14.7: Approval of NPTEL course list for DE/ OE credit transfer

We already allow our students to register for online courses for achieving required credits through NPTEL/SWAYAM with a provision for credit transfer. Further, the BOS members authorized the chairperson and subcommittee to modify the course list from time to time as per the availability on online portals.

SoE-EEE 14.7.1 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2022, the List are approved for Discipline Electives/under EEE.

SoE-EEE 14.7.2 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2022, the List are approved for Open Electives under EEE.

REGISTRAR

This also caters to the recommendations received in feedback from stake holders to incorporate latest programming languages. Both the list are in **Annexure-EEE 14.7.1** and **Annexure-EEE 14.7.2**.

Agenda SoE-EEE 14.8 : Approval of updated list of External and Internal Examiners for various courses in all the programs of the Department.

The BoS committee authorized the Chairperson and subcommittee to modify the list of external examiners from time to time.

Resolution SoE-EEE 14.8.1: The list of approved external examiners is in the **Annexure EEE 14.8.1**

Resolution SoE-EEE 14.8.2: All teaching faculty of EEE Department are default examiners.

Annexure EEE 14.8.2

Agenda SoE-EEE 14.9 Approval of previous semester Course Handouts approved by Department Academic Committee

The chairperson presented the course contents of AY 2020-2021 of various programs and semesters as approved by the BOS chairpersons based on the approval of the respective Departmental Academic Committees [DAC].

Resolution

The course contents/ course handouts for the Academic Year 2020-2021 were approved by the BoS members

Agenda SoE-EEE 14.10: Any Other Matter with the permission of the chair.

With the permission of the Chairperson, Member secretary presented the syllabus modification of open elective "Smart sensors for Engineering Applications, EEE 1006" as it is offering to first year students. The same is discussed and approved.

The BOS Committee has authorized the BOS Chairperson and the subcommittee consisting of the internal members of the Electrical and Electronics Engineering Board, to incorporate minor corrections / edits, if required.

The BoS Chairperson has assured that the decisions taken during the 14th BoS meeting for Electrical and Electronics Engineering will be implemented after the approval from the next Academic Council meeting. The Chairperson and member secretary had expressed special thanks to all the members and requested to extend the same support for the future activities.

The meeting ended with Vote of Thanks by Mr K Sreekanth Reddy

REGISTRAR

BoS Committee Members

S No	Name	Position	Signature with Date
1.	Dr. Abdul Sharief	Chairman	Present
2.	Dr Joshi Manohar V	Member Secretary	Present
3.	Ms Jisha L K	Member	Present
4.	Ms. Ramya K	Member	Not Attended
5.	Dr S Senthil Kumar	Senior Professional	Present
6.	Dr Pradeep Kumar Yemula	External Expert	Present
7.	Dr Vignesh V	External Expert	Present
8.	Mr Sukumar S J	Special Invitee	Not Attended
9.	Mr K Sreekanth Reddy	Special Invitee	Present

The 14th BoS meeting was hosted online via the MS Teams

https://teams.microsoft.com/l/meetup-join/19%3aYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/164500029
50660?context=%7b%22Tid%22%3a%22bf93bb5e-ecf0-4e3d-be0e-
79b5cc527a48%22%2c%22Oid%22%3a%22f2c57399-2cba-42b0-a1fc-a863f9dbeb52%22%7d

Fig. 1. The screenshot of 14th BoS meeting on MS Teams
First raw L to R- Dr Abdul Sherief, Dean-SOE, Dr Joshi Manohar V, HOD-EEE
Second raw L to R- Ms Jisha L K , Dr Pradeep Kumar Yemula, Mr K Sreekanth Reddy.

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Fig. 2. The screenshot of 14ᵗʰ BoS meeting on MS Teams

As per the feedback received, New Courses are introduced as per Annexure EEE.14.6.2.1 and Course Content Revisions are made as per Annexure EEE.14.6.2.2 for the AY 2021-22.

Annexure EEE.14.6.2.1

List of new courses:

SI No	Course code	Course Name	L	T	P	C
1	EEE1005	Electric Vehicles & Battery Technology	3	0	0	3

Annexure EEE.14.6.2.1

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
1	EEE2008	Electrical Power Generation Transmission and Distribution	3	0	0	3
2	EEE3005	Digital control and state variable methods	3	0	0	3
3	EEE3007	Modern power electronics and AC drives	3	0	0	3
4	EEE3008	Materials in Electrical Systems	3	0	0	3
5	EEE3009	AI applications for Electrical Engineering	3	0	2	4
6	EEE3010	Electrical Estimation and Costing	3	0	0	3

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7	EEE3012	Reactive power compensation and Management	3	0	0	3
8	EEE3029	HVDC transmission	3	0	0	3
9	EEE3032	Big Data Analytics in Power Systems.	3	0	0	3
10	EEE3027	Fundamentals of Electric Vehicle /Electric Vehicle Technology	3	0	0	3
11	EEE1006	Smart Sensors for Engineering Applications	3	0	0	3

Member secretary

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

Chairman

Dean, SoE
Presidency University
Bangalore- 560064

REGISTRAR

PRESIDENCY UNIVERSITY
Private University Estd. in Karnataka State by Act No. 41 of 2013

SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref: PU-SoE-EEE/2022-2023/BoS-15/CIR-01   Date: 18-07-2022

15th BoS MEETING NOTICE

The 15th Board of Studies meeting of the Electrical and Electronics Engineering, School of Engineering, Presidency University is convened on **27th July 2022, Wednesday at 2.30 p.m.** in online via MS Teams hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru.

I request your gracious presence to have a truthful discussion for enhancing the curriculum.

The Meeting Link is provided below:

https://teams.microsoft.com/l/meetup-join/19%3AYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/1658126015124?context=%7B%22Tid%22%3A%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22%2C%22Oid%22%3A%22b52d95f0-c82c-4d10-8430-759ceda51728%22%2C%22MessageId%22%3A%221658126015124%22%7D

AGENDA

Agenda SoE-EEE 15.1	To approve the minutes & ATR of 14th Board of Studies Meeting held on 22nd Feb 2022 Annexure EEE 15.1.1 Annexure EEE 15.1.2
Agenda SoE -EEE 15.2	Discussion on the CBCS course grid, Credit Structure and Curriculum for 2022 admitted students. Annexure EEE 15.2
Agenda SoE -EEE 15.3	Discussion on the CBCS course grid, Credit Structure and Curriculum for 2021 admitted students. Annexure EEE 15.3
Agenda SoE -EEE 15.4	Discussion on the Program Regulations & Curriculum [PRC] for the 2020 admitted students Annexure EEE 15.4
Agenda SoE -EEE 15.5	Discussion on the Program Regulations & Curriculum [PRC] for the 2019 admitted students Annexure EEE 15.5
Agenda SoE -EEE 15.6	Discussion on the Feedback obtained from stake holders and action taken report Annexure EEE 15.6.1 Annexure EEE 15.6.2

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Agenda SoE -EEE 15.7	Approval of NPTEL course list for DE/ OE credit transfer Annexure EEE 15.7.1 Annexure EEE 15.7.2
Agenda SoE -EEE 15.8	Approval of external and internal examiners list Annexure EEE 15.8.1 Annexure EEE 15.8.2
Agenda SoE -EEE 15.9	Approval of previous semester Course Handouts approved by Department Academic Committee Annexure EEE 15.9
Agenda SoE -EEE 15.10	Any other discussions with the permission of chair

To,

Members & Invitees

S No	Name	Affiliation	Position
1	Dr. Abdul Sharief	Dean, School of Engineering	Chairperson
2	Dr Joshi Manohar V	Professor & Head of the Department	Member Secretary
3	Mr. Ravi V Angadi	Assistant Professor	Member
4	Dr. Jisha L K	Assistant Professor	Member
5	Dr S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
6	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8	Dr Shilpa Mehta	Dean Academics	Special Invitee
9	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee

Permanent Invitees
Shri. Nissar Ahmed, Hon'ble Chancellor, Presidency University
Shri. Salman Ahmed, Hon'ble Board Member, PGI
Dr. D Subhakar, Vice Chancellor, Presidency University
Dr. Surendra Kumar, Pro Vice Chancellor, Presidency University

Member secretary

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

Chairman
Dean, SoE
Presidency University
Bangalore 64

REGISTRAR

Registrar

2

SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref. No.: PU/SoE/EEE/BoS-15/2022-23/MoM-02   Date 27th July, 2022

Minutes of the 15th Meeting of Board of Studies (Electrical and Electronics Engineering)

The 15th meeting of the Board of Studies of the Electrical and Electronics Engineering was held on 27-07-2022 at 2.30 PM in Online Mode via the MS Teams link.

https://teams.microsoft.com/l/meetupjoin/
19%3AYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/1658126015124?cont
ext=%7B%22Tid%22%3A%22bf93bb5e-ecf0-4e3d-be0e-
79b5cc527a48%22%2C%22Oid%22%3A%22b52d95f0-c82c-4d10-8430-
759ceda51728%22%2C%22MessageId%22%3A%221658126015124%22%7D

hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru.

15th BoS committee members:

Sl. No	Name	Affiliation	Position
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairman
2.	Dr Joshi Manohar V	Professor & Head of the Department	Member Secretary
3.	Dr Jisha L K	Assistant Professor	Member
4.	Mr. Ravi V Angadi	Assistant Professor	Member
5.	Dr S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
6.	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7.	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8.	Dr Shilpa Mehta	Dean Academics	Special Invitee
9.	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee

The member secretary/ HoD extended a warm welcome to the members, particularly to the external members and introduced all the members in the committee. The member secretary of 15th BoS meeting, delivered the opening remarks by requesting BoS members to deliberate on each agenda and to provide constructive suggestions for the effective implementation of curriculum.

The member secretary had presented the following agenda points and deliberations were recorded.

REGISTRAR

Agenda SoE-EEE 15.1: To approve the minutes of 14th Board of Studies Meeting held on 22nd February 2022.

Resolution SoE-EEE 15.1: The Minutes of 14th BoS meeting held on 22nd February 2022 and its Action taken report (ATR) was discussed and approved by the members. **Annexure-EEE 15.1.1** and **Annexure-EEE 15.1.2**

Agenda SoE-EEE 15.2: Discussion on CBCS course grid, Credit structure and Curriculum for 2022 admitted students.

Resolution SoE-EEE 15.2: The member secretary presented the CBCS course grid, Credit structure and Curriculum for the 2022 admitted students as listed in **Annexure-EEE 15.2**.

Agenda SoE-EEE 15.3: Discussion on CBCS course grid, Credit structure and Curriculum for 2021 admitted students.

Resolution SoE-EEE 15.3: The member secretary presented the CBCS course grid, Credit structure and Curriculum for the 2021 admitted students as listed in **Annexure-EEE 15.3**.

Agenda SoE-EEE 15.4: Discussion on the Program Regulations & Curriculum [PRC] for the 2020 admitted students

Resolution SoE-EEE 15.4: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2020 admitted students as listed in **Annexure-EEE 15.4**. All the members discussed on PRC and approved the same. As the list of courses are considered from 2021 Curriculum structure, discussion on Agenda SoE-EEE 15.3 will be applicable for 2020 PRC too. The same has been discussed and approved.

The member secretary presented the changes made in the method of assessment for the 2020 batch admitted students from the academic year 2022-2023 onwards, in order to maintain the uniformity among all the batches and details are shown in the below Table 1.

Table. 1 : Method of Assessment for Courses with Credit Structure L –T – 0 and L – 0 – 0		Weightage (% of Total Marks)	Duration of Assessment
	Components of Continuous Assessments	**Weightage (% of Total Marks)**	**Duration of Assessment**
1.	*Mid Term	30%	1.5 hours
2.	This component of continuous assessment shall consist of at least TWO (02) of the followings: (1) Assignment(s) (2) Quiz (3) Technical Seminar / Report (4) Attendance / Class participation (5) Assessment on self-learning topic(s), or (6) Any other type of assessment as prescribed in the concerned Course Handout.	20%	NA
3.	End Term Final Examinations	50%	3 hours
	Total	**100%**	
Note: *Applicable from the academic year 2022-2023 onwards.			

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Agenda SoE-EEE 15.5: Discussion on the Program Regulations &Curriculum [PRC] for the 2019 admitted students.

Resolution SoE-EEE 15.5: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2019 admitted students as listed in **Annexure-EEE 15.5**. All the members discussed on PRC and approved the same.

The member secretary presented the changes made in the method of assessment for the 2019 batch admitted students from the academic year 2022-2023 onwards, in order to maintain the uniformity among all the batches and details are shown in the below Table 2.

Table 2: Method of Assessment for Courses with Credit Structure L –T – 0 and L – 0 – 0		Weightage (% of Total Marks)	Duration of Assessment
	Components of Continuous Assessments	**Weightage (% of Total Marks)**	**Duration of Assessment**
1.	*Mid Term	30%	1.5 hour
2.	This component of continuous assessment shall consist of at least TWO (02) of the followings: (1) Assignment(s) (2) Quiz (3) Technical Seminar / Report (4) Attendance / Class participation (5) Assessment on self-learning topic(s), or (6) Any other type of assessment as prescribed in the concerned Course Handout.	20%	NA
3.	End Term Final Examinations	50%	3 hours
	Total	**100%**	

Note: *Applicable from the academic year 2022-2023 onwards.

Agenda SoE-EEE 15.6: Discussion on the Feedback obtained from stake holders and action taken report

Resolution SoE-EEE 15.6: The member secretary presented the gist of feedback obtained on existing curriculum from Industry, students, alumni, parents & faculty members and the analysis which is listed in **Annexure- EEE 15.6.1** and highlighted the necessity of revamping the curriculum towards flexible Choice based Credit System(CBCS). The action taken report of feedback collectedis presented in **Annexure- EEE 15.6.2** All the members have appreciated the efforts. The BoS members suggested the name change to "Design of Reliability" for the new course titled "Reliability Engineering" as the same course is offered by other department.

Agenda SoE-EEE 15.7: Approval of NPTEL course list for DE/ OE credit transfer

We already allow our students to register for online courses for achieving required credits through NPTEL/SWAYAM with a provision for credit transfer. Further, the BoS members authorized the chairperson and subcommittee to modify the course list from time to time as per the availability on online portals.

SoE-EEE 15.7.1 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2022, the List are approved for Discipline Electives/under EEE.

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SoE-EEE 15.7.2 Resolution: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from January 2022, the List are approved for Open Electives under EEE.

This also caters to the recommendations received in feedback from stake holders to incorporate latest programming languages. Both the list is in **Annexure-EEE 15.7.1** and **Annexure-EEE 15.7.2**.

Agenda SoE-EEE 15.8: Approval of updated list of External and Internal Examiners for various courses in all the programs of the Department.

The BoS committee authorized the Chairperson and subcommittee to modify the list of external examiners from time to time.

Resolution SoE-EEE 15.8.1: The list of approved external examiners is in the **Annexure EEE 15.8.1.**

Resolution SoE-EEE 15.8.2: All teaching faculty of EEE Department are default examiners are in the **Annexure EEE 15.8.2.**

Agenda SoE-EEE 15.9 Approval of previous semester Course Handouts approved by

Department Academic Committee

The member secretary presented the course contents of AY 2021-2022 of various programs and semesters as approved by the BoS chairpersons based on the approval of the respective Departmental Academic Committees [DAC].

Resolution SoE-EEE 15.9

The course contents/ course handouts for the Academic Year 2021-2022 were approved by the BoS members.

Annexure EEE 15.9

Agenda SoE-EEE 15.10: Any other discussion with the permission of Chair

The BoS Committee has authorized the BoS Chairperson and the subcommittee consisting of the internal members of the Electrical and Electronics Engineering Board, to incorporate minor corrections / edits, if required.

The BoS Chairperson has assured that the decisions taken during the 15th BoS meeting for Electrical and Electronics Engineering will be implemented after the approval from the next Academic Council meeting. The Chairperson and member secretary had expressed special thanks to all the members and requested to extend the same support for the future activities.

The meeting ended with Vote of Thanks by Mr. K Sreekanth Reddy

REGISTRAR

BoS Committee Members attended:

Sl. No	Name	Affiliation	Position	Signature
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairman	
2.	Dr Joshi Manohar V	Professor & Head of the Department	Member Secretary	28/7/22
3.	Ms Jisha L K	Assistant Professor	Member	28/7/22
4.	Mr. Ravi V Angadi	Assistant Professor	Member	
5.	Dr S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional	Attended in on line
6.	Dr Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert	Attended in on line
7.	Dr Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert	Attended in on line
8.	Dr Shilpa Mehta	Dean Academics	Special Invitee	28/7/22
9.	Mr K Sreekanth Reddy	Assistant Professor	Special Invitee	

The 15th BoS meeting was hosted online via the MS Teams

https://teams.microsoft.com/l/meetupjoin/
19%3AYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/1658126015124?cont
ext=%7B%22Tid%22%3A%22bf93bb5e-ecf0-4e3d-be0e-
79b5cc527a48%22%2C%22Oid%22%3A%22b52d95f0-c82c-4d10-8430-
759ceda51728%22%2C%22MessageId%22%3A%221658126015124%22%7D
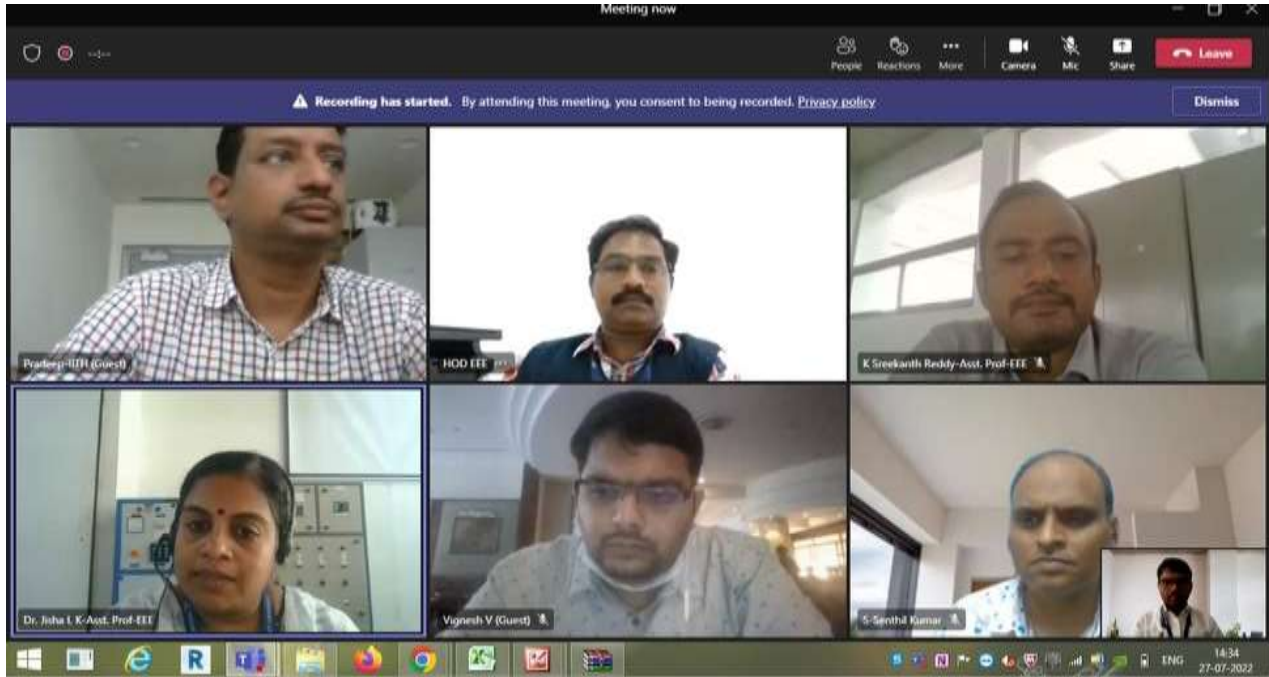
REGISTRAR

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Fig. 1. The screenshot of 15th BoS meeting on MS Teams
First row L to R- Dr. Pradeep Kumar Yemula,, Dr Joshi Manohar V, HOD-EEE, Mr K Sreekanth Reddy.
Second row L to R- Dr. Jisha L K , Dr Vignesh V, Dr S Senthil Kumar, Mr Ravi V Angadi.

Fig. 2. The screenshot of 15th BoS meeting on MS Team

As per the feedback received, New Courses are introduced as per Annexure EEE 15.6.2.1. and Course Content Revisions are made as per Annexure EEE 15.6.2.2 for the AY 2022-23.

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Annexure EEE 15.6.2.1
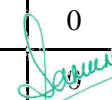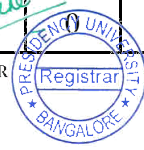
List of new courses:

SI No	Course code	Course Name	L	T	P	C
1	EEE3013	VLSI Systems	3	0	0	3
2	EEE 3015	Industrial Automation with PLC and SCADA	2	0	2	3
3	EEE3016	Sensors Actuators and Controls	2	0	2	3
4	EEE3035	Microgrid Operation & Control	3	0	0	3
5	EEE3033	Design of Reliability	3	0	0	3
6	EEE3052	Control Systems for Robotic Applications	2	0	2	3
7	EEE3053	Electrical Drive Systems for Robotic Applications	2	0	2	3
8	EEE2061	Analog and Digital Electronics laboratory	0	0	2	1
9	EEE2062	Electrical Machines Laboratory	0	0	2	1
10	EEE2020	Electrical Distribution Systems	3	0	0	3

Annexure EEE 15.6.2.2

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
1	EEE2002	Electric Circuit Analysis	3	0	0	3
2	EEE 208/ EEE 2016	Electrical Machines - I	3	0	0	3
3	EEE 210/ EEE 2017	Electrical Machines – II	3	0	0	3
4	EEE 212 /EEE2011	Transmission and Distribution	3	0	0	3
5	EEE 301/ EEE3051	Microcontroller Applications	3	0	0	3
6	EEE 302	Electrical Machine Design	3	0	0	3
7	EEE 303/ EEE3011	Electrical Equipment Testing and Commissioning/Testing and Commissioning of Electrical Equipment	3	0	0	3
8	EEE 308	Embedded System Design Using ARM	3	0	0	3
9	EEE 315	Advanced control systems	3			3

REGISTRAR

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10	EEE 316	Power semiconductor devices	3	0	0	3
11	EEE 317	PWM Converters	3	0	0	3
12	EEE 318	Distributed generation and Microgrid	3	0	0	3
13	EEE1001	Fundamentals of Electrical and Electronics Engineering	3	0	2	4
14	EEE2004	Opamps and Linear Integrated Circuits	3	0	0	3
15	EEE3047	Automotive Electrical and Electronic systems for Two and Three Wheelers	3	0	0	3
16	ECE 213 /EEE3014	Digital Signal Processing Systems	3	0	0	3
17	ECE 201 /EEE2009	Analog Electronics Circuits	3	0	0	3
18	ECE 220 /EEE2015	Digital Electronics	3	0	0	3
19	ECE 253/ EEE2060	Signals and Systems Laboratory	0	0	2	1

24/7/2022

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajankunte, Yelahanka, Bengaluru -64

Dean, ScE
Presidency University
Bangalore- 560064

SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Ref. No.: PU/SoE/EEE/BoS-16/2022-23/MoM-01   Date 26th December, 2022

Minutes of the 16th Meeting of Board of Studies (Electrical and Electronics Engineering)

The 16th meeting of the Board of Studies of the Electrical and Electronics Engineering is held on 26-12-2022 at 10.00 AM in Online Mode via the MS Teams link.

https://teams.microsoft.com/l/meetupjoin/
19%3AYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/1658126015124?cont
ext=%7B%22Tid%22%3A%22bf93bb5e-ecf0-4e3d-be0e-
79b5cc527a48%22%2C%22Oid%22%3A%22b52d95f0-c82c-4d10-8430-
759ceda51728%22%2C%22MessageId%22%3A%221658126015124%22%7D

, hosted by Presidency University , Itgalpur, Rajankunte, Yelahanka, Bengaluru.

16th BoS committee members:

Sl. No	Name	Affiliation	Position
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairman
2.	Dr. Joshi Manohar V	Professor & Head of the Department	Member Secretary
3.	Dr. Jisha L K	Assistant Professor-Selection Grade	Member
4.	Mr. Ravi V Angadi	Assistant Professor	Member
5.	Dr. S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
6.	Dr. Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert
7.	Dr. Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
8.	Dr. Shilpa Mehta	Dean Academics	Special Invitee
9.	Dr. Snehaprabha T V	Professor	Special Invitee
10.	Mr. K Sreekanth Reddy	Assistant Professor	Special Invitee

The member secretary/ HoD extended a warm welcome to the members, particularly to the external members and introduced all the members to the committee. The member secretary of 16th BoS meeting delivered the opening remarks by requesting BoS members to deliberate on each agenda and to provide constructive suggestions for the effective implementation of curriculum.

The member secretary has presented the following agenda points and deliberations are recorded.

REGISTRAR

Registrar

Agenda SOE-EEE 16.1: To approve the minutes of 15ᵗʰ Board of Studies Meeting held on 27ᵗʰ July 2022.

Resolution SoE-EEE 16.1: The Minutes of 15ᵗʰ BoS meeting held on 2th July 2022 and its Action taken report (ATR) is discussed and approved by the members. **Annexure-EEE 16.1.1** and **Annexure-EEE 16.1.2**

Agenda SoE-EEE 16.2: Approval of the Credit modification of PIP 102- Professional Practice – II for 2019-2023 Batch.

Resolution SoE-EEE 16.2: The member secretary presented the Credit Modification of Professional Practice-II (PIP 102) course for the 2019-2023 batch students as listed in **Annexure-EEE 16.2**.

Table No. 1: Proposed Credit PP-II Course Credit Modification.

S. No	Name of the Courses	Credits	Remarks
1.	Professional Practice-II	15	Existing Credit
Proposed Credit modification			
1.	Coding Training Course	3	Proposed Credits
2.	NPTEL Courses (2, each of two Credits)	4	Proposed Credits
3.	PIP -2	8	Proposed Credits

Agenda SOE-EEE 16.3: Approval of NPTEL course list for credit transfer.

Resolution SOE-EEE 16.3: The member secretary presented the identified list of NPTEL courses to offer as an open elective and discipline elective for 2020-2024 and 2021-2025 batches. The members also approved the list of courses for 2019-2023 batch in lieu of as per PP-II credit modification as presented in Table No.1. The lists of courses are listed in **Annexure-EEE 16.3.** The member secretary briefed the evaluation procedure and the credit transfer procedure to the BoS members and all approved the same.

Agenda SoE-EEE 16.4: Any other discussion with the permission of Chair

The Special invite Dr. Snehaprabha T V presented the course EEE1001 course and proposed the course content revision as mentioned in the **Annexure-EEE 16.4.**

The BoS Chairperson has assured that the decisions taken during the 16ᵗʰ BoS meeting for Electrical and Electronics Engineering will be implemented after the approval from the next Academic Council meeting. The Chairperson and member secretary had expressed special thanks to all the members and requested to extend the same support for the future activities.

The meeting ended with Vote of Thanks by Mr. K Sreekanth Reddy

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BoS Committee Members attended:

Sl. No	Name	Affiliation	Position	Signature
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairman	_[signature] 26/12/22_
2.	Dr. Joshi Manohar V	Professor & Head of the Department	Member Secretary	_[signature] 26/12/22_
3.	Dr. Jisha L K	Assistant Professor-Selection Grade	Member	_[signature] 26/12/22_
4.	Mr. Ravi V Angadi	Assistant Professor	Member	_[signature] 26/12/22_
5.	Dr. S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional	NOT ATTENDED
6.	Dr. Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad , Hyderabad	External Expert	Attended Online
7.	Dr. Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert	Attended online
8.	Dr. Shilpa Mehta	Dean Academics	Special Invitee	_[signature]_
9.	Dr. Snehaprabha T V	Professor	Special Invitee	_[signature] 26/12_
10.	Mr. K Sreekanth Reddy	Assistant Professor	Special Invitee	_[signature]_

The 16th BoS meeting was hosted online via the MS Teams
https://teams.microsoft.com/l/meetupjoin/
19%3AYaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1%40thread.tacv2/1658126015124?cont
ext=%7B%22Tid%22%3A%22bf93bb5e-ecf0-4e3d-be0e-
79b5cc527a48%22%2C%22Oid%22%3A%22b52d95f0-c82c-4d10-8430-
759ceda51728%22%2C%22MessageId%22%3A%221658126015124%22%7D

Fig. 1. The screenshot of 16th BoS meeting on MS Teams

First row L to R- Dr. Joshi Manohar V, HoD-EEE, Dr. Jisha L K, Dr. Pradeep Kumar Yemula,
Second row L to R- Mr. K Sreekanth Reddy, Mr. Ravi V Angadi, Dr Vignesh V & Dr. Snehaprabha T V
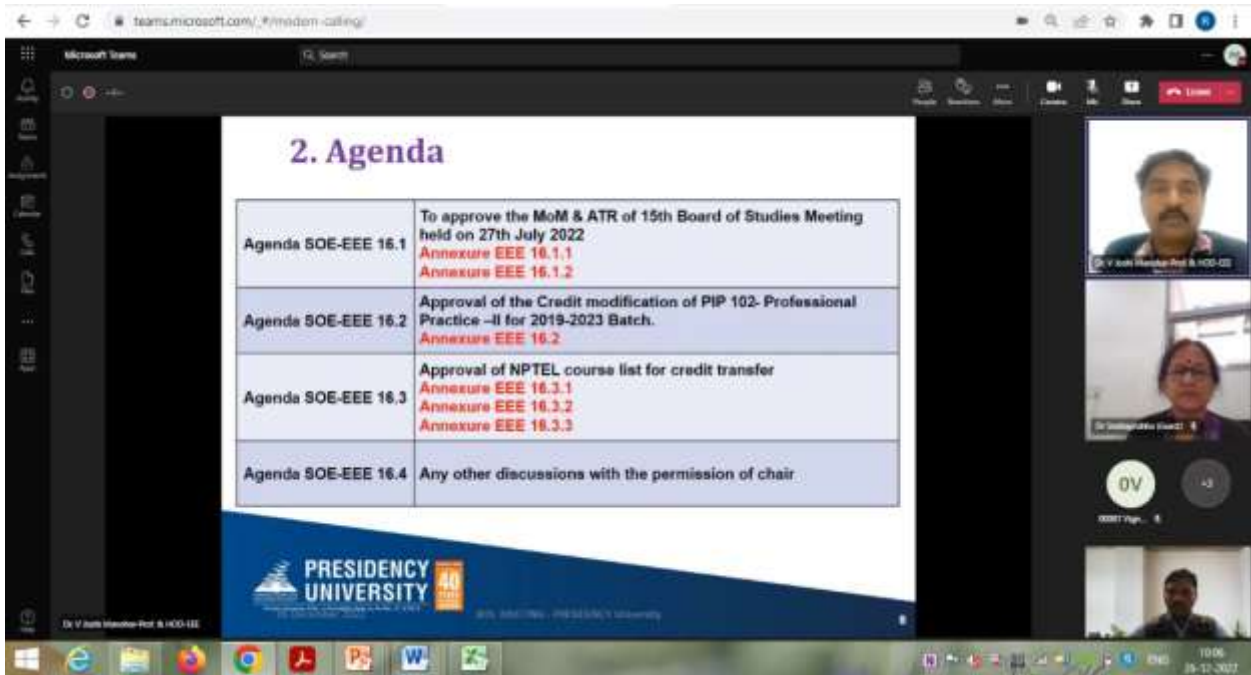
REGISTRAR

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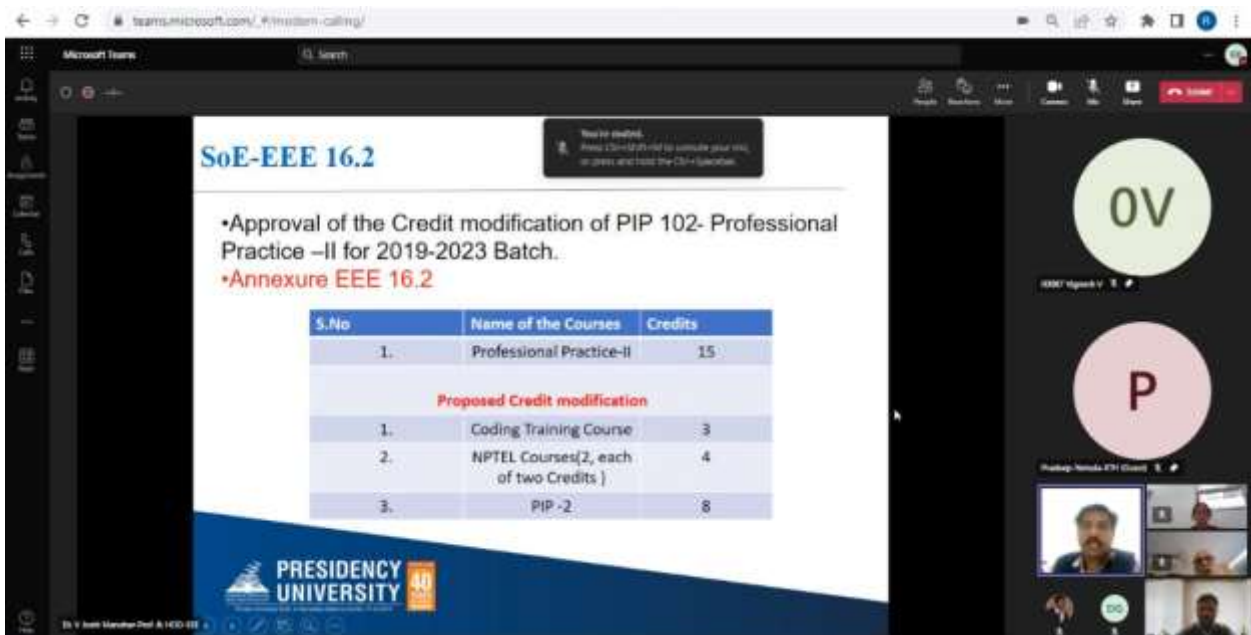**Fig. 2. The Member Secretary presenting the 16th BoS agenda points**

Fig. 3. The Member Secretary presenting Credit modification of PIP 102- Profession Practice-II

As per the feedback received, New open electives are introduced as per Annexure EEE 16.2. and Course Content Revisions are made as per Annexure EEE 16.2. for the AY 2022-23.

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Annexure EEE 16.2.

List of new courses:

SI No	Course code	Course Name	L	T	P	C
1	EEE335	Mathematical Modelling:Analysis and Applications	2	0	0	2
2	EEE336	Electronic Waste Management - Issues and Challenges	2	0	0	2
3	PIP103	Professional Practice-II	0	0	0	8

Annexure EEE 16.2

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
1	EEE1001	Fundamentals of Electrical and Electronics Engineering	3	0	2	4

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17th BoS Meeting Notice

The 17th Board of Studies Meeting of the Electrical and Electronics Engineering, School of Engineering, Presidency University is convened on **6th July 2023**, **Thursday at 11:00 a.m** (Venue: FFL2 – Power Electronics Lab). in hybrid mode by Presidency University, Itgalpur, Rajankunte, Yelahanka, Bengaluru.

I request your gracious presence to have a fruitful discussion for enhancing the curriculum.

The Meeting Link is provided below:
https://teams.microsoft.com/l/meetup-join/19:YaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1@thread.tacv2/1688361329951?context=%7B%22Tid%22:%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22,%22Oid%22:%22b52d95f0-c82c-4d10-8430-759ceda51728%22%7D

AGENDA

Agenda SOE-EEE 17.1	Approval of the MoM and ATR of the 16th Board of Studies meeting held on 26th Dec 2022 Annexure SOE-EEE 17.1.1 and Annexure SOE-EEE 17.1.2
Agenda SOE-EEE 17.2	Deliberation and approval of the Credit structure and Curriculum Structure for 2023 admitted students for AY 2023-24 Annexure SOE-EEE 17.2
Agenda SOE-EEE 17.3	Deliberation and approval of the Credit structure and Curriculum Structure for 2022 admitted students for AY 2023-24 Annexure SOE-EEE 17.3
Agenda SOE-EEE 17.4	Deliberation and approval of the Credit structure and Curriculum Structure for 2021 admitted students for AY 2023-24 Annexure SOE-EEE 17.4
Agenda SOE-EEE 17.5	Deliberation and approval of the Program Regulations and Curriculum (PRC) for 2020 admitted students for AY 2023-24 Annexure SOE-EEE 17.5

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Agenda SOE-EEE 17.6	Discussion on Feedback obtained from Students, Alumni, Faculty Members, and Industry Experts on the Curriculum. Annexure SOE-EEE 17.6.1 and Annexure SOE-EEE 17.6.2
Agenda SOE-EEE 17.7	Approval of NPTEL / MOOC course list for DE / OE credit transfer Annexure SOE-EEE 17.7
Agenda SOE-EEE 17.8	Approval of the list of External and Internal Examiners List Annexure SOE-EEE 17.8
Agenda SOE-EEE 17.9	Approval of DAC approved CHOs and discussion on DAC recommendations for syllabus related changes for AY 2022-23 Annexure SOE-EEE 17.9.1 and Annexure SOE-EEE 17.9.2
Agenda SOE-EEE 17.10	Any other matter with the permission of the Chair

Member Secretary

Head of the Department
Electrical and Electronics Engineering
School of Engineering
PRESIDENCY UNIVERSITY
Rajanukunte, Yelahanka, Bengaluru -64

Chairperson

Dean, SoE
Presidency University
Bangalore- 560064

Copy to:

- Hon'ble Chancellor, PU
- Hon'ble Vice President, PU
- Hon'ble Vice Chancellor, PU
- Hon'ble Pro Vice Chancellor, PU
- Dean – Academics, PU
- Office of the Registrar, PU
- Members of the BOS-EEE Committee

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<div align="center">

SCHOOL OF ENGINEERING

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

</div>

Ref. No.: PU/SoE-EEE/BoS-17/2023-24/MoM-01   Date 8th July, 2023

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Minutes of the 17th Meeting of Board of Studies (Electrical and Electronics Engineering)

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The 17th meeting of the Board of Studies of the Electrical and Electronics Engineering was held on 06-07-2023 at 11.00 PM (Venue: FFL2 – Power Electronics Lab) in Hybrid Mode via the MS Teams link hosted by Presidency University Itgalpur, Rajankunte, Yelahanka, Bengaluru.

https://teams.microsoft.com/l/meetup-join/19:YaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1@thread.tacv2/1688361329951?context=%7B%22Tid%22:%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22,%22Oid%22:%22b52d95f0-c82c-4d10-8430-759ceda51728%22%7D

17th BoS committee members:

Sl. No	Name	Affiliation	Position
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairperson
2.	Dr. Jisha L K	Assistant Professor-Selection Grade	Internal Member
3.	Dr. Ravi V Angadi	Assistant Professor	Internal Member
4.	Dr. S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional
5.	Dr. Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad, Hyderabad	External Expert
6.	Dr. Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert
7.	Dr. Shilpa Mehta	Dean Academics	Ex-Officio Member
8.	Dr. Joshi Manohar V	Professor & Head of the Department	Member Secretary

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The member secretary/ HoD extended a warm welcome to the members, particularly to the external members and introduced all the members in the committee. The member secretary of 17th BoS meeting, delivered the opening remarks by requesting BoS members to deliberate on each agenda and to provide constructive suggestions for the effective implementation of curriculum.

The member secretary had presented the following agenda points and deliberations were recorded.

Agenda SOE-EEE 17.1: Approval of the MOM and ATR of the 16th Board of Studies meeting held on 26th Dec 2022

Resolution SoE-EEE 17.1: The Minutes of 16th BoS meeting held on 22nd February 2022 and its Action taken report (ATR) was discussed and approved by the members. **Annexure SOE-EEE 17.1.1 and Annexure SOE-EEE 17.1.2**

Agenda SoE-EEE 17.2: Deliberation and approval of the Credit structure and Curriculum Structure for 2023 admitted students for AY 2023-24

Resolution SoE-EEE 17.2: The member secretary presented the CBCS course grid, Credit structure and Curriculum for the 2023 admitted students and proposed changes were discussed and approved as listed in **Annexure- SOE-EEE 17.2** .

The external experts suggested the following points which may be considered for further approval.

i.   Tutorial component 2-1-0-3 may be included for the courses like EEE2001_v02 and EEE2007

ii. The choice may be provided for the students to choose either CSE1002 or CSE1003 without making these two courses mandatory.

iii. The courses like machine learning algorithms and data science may be included in the school core basket.

The recommendations of the experts were considered and addressed as follows:

i. The courses Signals and Systems (EEE2001_v02) and Control Systems Engineering (EEE2007) are having separate laboratory courses, hence, It may not be considered for including Tutorial Component.

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ii & iii The suggestions were considered but as per the University Academic Regulations, it may not be possible to implement at the Department level, however it will be placed before academic council for further discussion & action.

Agenda SoE-EEE 17.3: Deliberation and approval of the Credit structure and Curriculum Structure for 2022 admitted students for AY 2023-24

Resolution SOE-EEE 17.3: The member secretary presented the CBCS course grid, Credit structure and Curriculum for the 2022 admitted students and approved for change of course codes as listed in **Annexure- SOE-EEE 17.3**.

Agenda SoE-EEE 17.4: Deliberation and approval of the Credit structure and Curriculum Structure for 2021 admitted students for AY 2023-24

Resolution SOE-EEE 17.4: The member secretary presented the CBCS course grid, Credit structure and Curriculum for the 2021 admitted students and approved for change of course codes as listed in **Annexure- SOE-EEE 17.4.**

Agenda SoE-EEE 17.5: Deliberation and approval of the Program Regulations and Curriculum (PRC) for 2020 admitted students.

Resolution SoE-EEE 17.5: The member secretary presented the Program Regulations & Curriculum [PRC] for the 2020 admitted students and proposed changes were discussed and approved as listed in **Annexure- SOE-EEE 17.5**

The following deliberations were recorded as listed below

i.   A choice maybe provided to the students to earn equivalent PIP104 credits from courses offered by NPTEL/MOOC.

ii. In order to provide better learning experience to the students the courses like PPS402 Preparedness for interview and PPS403 Developing Advanced Aptitude Skills may be scheduled one after the other (May be in the same semester not in parallel).

The above mentioned were welcomed, however in order to maintain the uniformity among School of Engineering and SoCSE, the first suggestion may not have been allowed as per the University Academic Regulations. The second suggestion was considered and it has been already implemented.

Agenda SoE-EEE 17.6: Discussion on Feedback obtained from Students, Alumni, Faculty Members, and Industry Experts on the Curriculum

Resolution SOE-EEE 17.6: The member secretary presented the gist of feedback obtained on

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existing curriculum from Industry, students, alumni & faculty members and the analysis which is listed in **Annexure- SOE-EEE 17.6.1** and highlighted the necessity of revamping the curriculum towards flexible Choice based Credit System(CBCS). The action taken report of feedback collected is presented in **Annexure SOE-EEE 17.6.2** All the members have appreciated the efforts and the BoS members suggested to include courses related to Machine learning, Data science and laboratory related to Electric Vehicle technology maybe introduced in the curriculum.

Agenda SoE-EEE 17.7: Approval of NPTEL / MOOC course list for DE / OE credit transfer

As per the regulation, students are allowed to register for online courses for achieving required credits through NPTEL/SWAYAM with a provision for credit transfer. Further, the BOS members authorized the chairperson and subcommittee to modify the course list from time to time as per the availability on online portals.

Resolution SoE-EEE 17.7: As per the list of electives offered by NPTEL Online for the upcoming learning term, starting from July 2023, the List are approved for Discipline Electives and open electives as presented in under **Annexure- SOE-EEE 17.7**

Agenda SoE-EEE 17.8: Approval of the list of External and Internal Examiners List

Resolution SoE-EEE 17.8: The list of approved external and internal examiners were approved and presented in **Annexure SOE-EEE 17.8**

Agenda SoE-EEE 17.9 Approval of DAC approved CHOs and discussion on DAC recommendations for syllabus related changes for AY 2022-23

The member secretary presented the course handouts for the AY 2022-23(Both Semesters) of and the recommendations of Departmental Academic Committees [DAC] held on 31st May 2023.

Resolution SoE-EEE 17.9: The list of course handouts for the Academic Year 2022-2023 were approved by the BoS members as listed in **Annexure SoE-EEE 17.9.1** and content changes for the courses EEE2005, Microprocessor and Microcontrollers and EEE2007 Control System Engineering which were discussed and approved in the DAC, presented before BoS Committee and the changes have been recommended for AY 2023-24 as presented in **Annexure SoE-EEE 17.9.2**

Agenda SoE-EEE 17.10: Any other discussion with the permission of Chair

The BoS Chairperson assured that the decisions taken during the 17th BoS meeting for Electrical and Electronics Engineering will be implemented after the approval from the next Academic Council meeting.

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As BOS meetings for all the departments are taking place on different dates in different venues, the Chairman has requested approval from the committee to incorporate modifications / alterations, if any, approved by the BOS Committee of other departments for the existing courses offered in Electrical and Electronics Engineering by other departments.

It is also informed by the Chairman that there is a possibility of some modifications in the syllabi of courses offered by other departments. The BOS Committee for Electrical and Electronics Engineering has approved the proposal unanimously. The BOS Committee has authorized the BOS Chairman and the Sub-Committee consisting of the Internal Members of Petroleum Engineering Board to incorporate minor corrections / edits, if required. The Chairperson and member secretary had expressed special thanks to all the members and requested to extend the same support for the future activities.

The meeting ended with Vote of Thanks by Dr Joshi Manohar, Member Secretary.

BoS Committee Members attended:

Sl. No	Name	Affiliation	Position	Signature
1.	Dr. Abdul Sharief	Dean, School of Engineering	Chairperson	10/7/23
2.	Dr. Jisha L K	Assistant Professor-Selection Grade	INTERNAL Member	Jisha 10/7/2023
3.	Dr. Ravi V Angadi	Assistant Professor	INTERNAL Member	3/7/23
4.	Dr. S Senthil Kumar	Global Senior IP counsel, Hitachi ABB Power Grids	Senior Professional	Attended ON LINE
5.	Dr. Pradeep Kumar Yemula	Associate Professor, EEE, IIT Hyderabad, Hyderabad	External Expert	Attended ON LINE
6.	Dr. Vignesh V	Assistant Professor, IIT Tirupathi, Tirupathi	External Expert	Attended ON LINE
7.	Dr. Shilpa Mehta	Dean Academics	Ex-Officio Member	13/7/23
8.	Dr. Joshi Manohar V	Professor & Head of the Department	Member Secretary	10/7/2023

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The 17th BoS meeting was hosted online via the MS Teams

https://teams.microsoft.com/l/meetup-join/19:YaUAnjvJAnS4YhQ_YvWRIJy_kjKiobuHZLrpbxRY6dE1@thread.tacv2/1688361329951?context=%7B%22Tid%22:%22bf93bb5e-ecf0-4e3d-be0e-79b5cc527a48%22,%22Oid%22:%22b52d95f0-c82c-4d10-8430-759ceda51728%22%7D
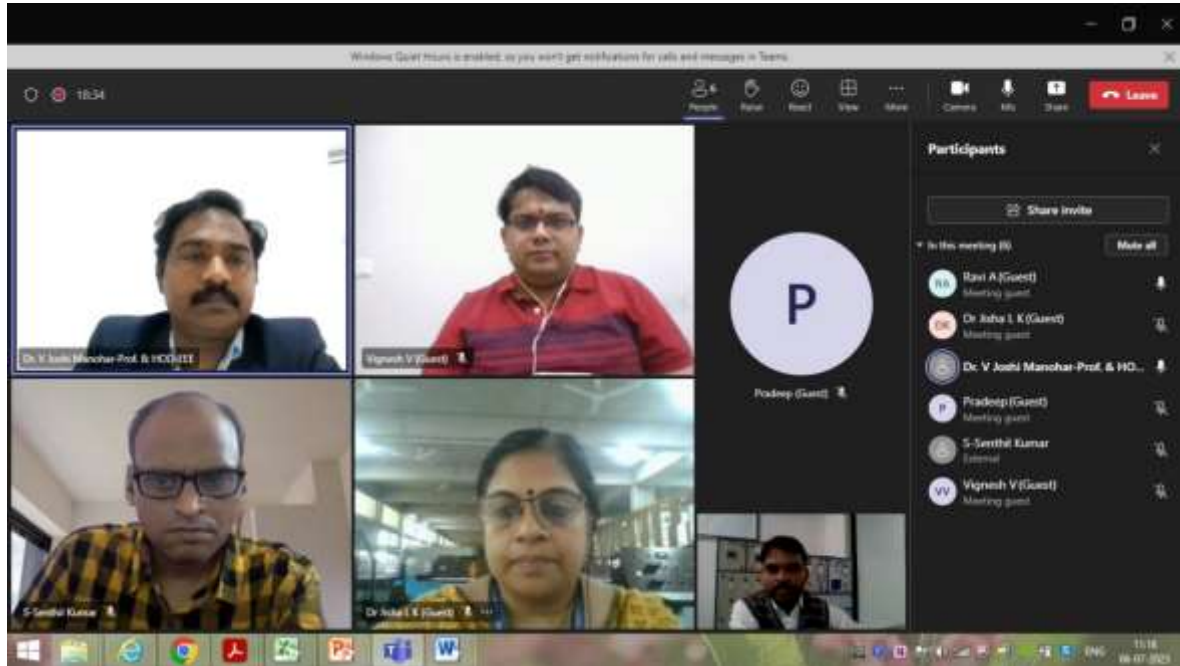

Fig. 1. The screenshot of 17th BoS meeting on MS Teams

As per the feedback received, New Courses are introduced as per Annexure EEE 17.6.2.1. and Course Content Revisions are made as per Annexure EEE 17.6.2.2 for the AY 2023-24.

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Annexure EEE 17.6.2.1

List of new courses:

SI No	Course code	Course Name	L	T	P	C
1	PIP104	Professional Practice-II	0	0	0	10

Annexure EEE 17.6.2.2

List of courses revised:

SI No	Course code	Course Name	L	T	P	C
1	EEE2005	Microprocessor and Microcontrollers	3	0	2	4
2	EEE2007	Control Systems Engineering	3	0	0	3

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