Minutes of the 9th BoS meeting

Ninth board of Studies meeting of Electrical and Electronics Engineering was held on 6th June 2024 in the Department of Electrical and Electronics Engineering, Government College of Engineering, Bargur. The meeting began at 11.00 AM with the welcome address by the BoS Chairman   Dr.J.S.Christy Mano Raj.

The following agendas are taken for discussion:

1. To ratify the curriculum of Regulations -2022 (B.E.-EEE- Full time) for the students admitted in the academic Year 2022-2023.
2. To ratify the curriculum of Regulations 2022 (B.E.-EEE- Full time) for the students admitted in the academic Year 2023-2024
3. To ratify the curriculum of Regulations- 2022 (B.E.-EEE- Full time) for the students admitted in academic Year 2024-2025.
4. To pass the syllabi from semester V to Semester VIII for all the curriculum of R-2022- (B.E - EEE-Full Time) for the students admitted in the academic year 2022-23, 2023-24 and 2024-25.
5. To ratify the curriculum under Regulations -2022 for the M.E-Power Electronics and Drives students from the academic year 2024-25.
6. To ratify the curriculum of Regulations - 2022 (B.E.-EEE-Part Time) for the students admitted in academic Year 2022-2023.
7. To pass the syllabi of the Regulations - 2022 from 5th semester to 7th semester for the B.E (EEE- Part Time) students.
8. To pass the curriculum and syllabi of the Regulations -2023 from 3rd semester to 8th semester for the B.E (EEE- Part Time) students.
9. To pass the credit transfer and add or drop courses for the B.E-(EEE-Full Time) Students.

The following members were present during the meeting.

S. No.	Name	Affiliation
1.	Dr. T. Aruldoss Albert Victoire	University nominee, Associate Professor Department of EEE, Anna University, Regional Campus, Coimbatore. Maruthamalai Main road, Coimbatore - 641046.
2.	Dr. S. Thangavel	Subject Expert, Associate Professor Department of EEE,NIT , Puducherry, Karaikal
3.	Dr R.Ashokkumar	Subject Expert, Professor Department of Electrical Engineering, Annamalai University, Annamalai Nagar, Tamil Nadu, India

4.	Mr.S. Selva Kumar	Alumnus, Scientist E, DRDO Bangalore, Karnataka
5.	Dr.J.S.Christy Mano Raj,	Chairman Professor, EEE, GCE, Bargur.
6.	Dr.K.Ranjith Kumar,	Internal Member, Professor, EEE, GCE, Bargur.
7.	Dr.K.Mohan	Internal Member , Assistant Professor, EEE, GCE, Bargur
8.	Dr.V.Arivumani	Internal Member , Assistant Professor, EEE, GCE, Bargur
9.	Dr.I.Thangaraju	Internal Member, Assistant Professor, EEE, GCE, Bargur
10.	Dr.K.Thirumal	Internal Member, Assistant Professor, EEE, GCE, Bargur
11.	Dr.R.Francis	Internal Member, Associate Professor (CAS), EEE, GCE, Bargur
12.	Dr.V.Adhimoorthy	Internal Member, Associate Professor (CAS), EEE, GCE, Bargur
13.	Dr.K.Asokan	Internal Member, Associate Professor (CAS), EEE, GCE, Bargur
14.	Ms.S.Subhashini	Internal Member , Assistant Professor (Adhoc), EEE, GCE, Bargur
15.	Mr.S.Praveen kumar	Internal Member , Assistant Professor (Adhoc), EEE, GCE, Bargur
16.	Mr.C.Jothibas	Internal Member , Assistant Professor (Adhoc), EEE,GCE, Bargur
17.	Mr.R.Mouneswaran	Student Member, III-EEE
18.	Ms.V.Dhivya	Student Member, III-EEE
19.	Mr.C.Sivashankar	Student Member, IV-EEE
20.	Ms.S.Subanu	Student Member, IV-EEE

The following members were not present due to preoccupation of some other works.

S. No.	Name	Affiliation
1.	Mr. C. Stalin	Representative from Industry Assistant Executive Engineer, Operation and Maintenance, TANGEDCO, Pochampalli, Krishnagiri (Dt).

The following points were discussed among Board of Studies members and got passed.

1. The curriculum of Regulations -2022 (B.E.-EEE- Full time) for the students admitted in the academic year 2022-2023 wherein changes are ratified from 5th semester to 7th semester after a detailed discussion.

   In semester V

   - 22EPC503- Control System Engineering with 4 credits practical integrated course changed into 22EPC501- Control Systems Engineering with 4 credits of non-integrated course.
   - 22EPC501- Power System Analysis with 3 credits course changed into 22EPC502- Power System Analysis with 4 credits
   - 22EPC502- Power Electronics with 3 credits course changed into 22EPC503- Power Electronics with 4 credits.
   - A New practical 22EPC507- Control Systems Laboratory with 1.5 credits is introduced.
   - 22EPC508- Power System-I Laboratory changed into 22EPC508- Power System Analysis Laboratory with the same 1.5 credits.
   - Total credits in semester V is changed from 22 credits to 25.5 credits.

   In semester VI

   - 22EPC602- Protection and Switchgear is changed into 22EPC601- Power System Protection and Switchgear with the same 3 credits.
   - 22EPC603- Microprocessors, Microcontrollers and Programming practical integrated course with 4 credit is changed into 22EPC602-Microprocessor and Digital Signal Controllers as non-integrated course.
   - 22EPC607-Power System-II Laboratory with 1.5 credits is changed into 22EPC607-Power System Protection and Switchgear Laboratory with the same 1.5 credits
   - A New 22EPC608- Microprocessor and Digital Signal Controllers Laboratory with 1.5 credits is introduced.
   - Total credit in semester VI is changed from 21.5 credits to 23 credits.

   In Semester VII

   - 22EHS702-Management Theory with 2 credit is removed and a new subject 22EPC702-Electrical Components and System Design with 3 credits is added. Management Theory subject is fitted in Professional Electives V (Diversified Electives) with 3 credits.
   - 22EPR708- Project – I / Internship is changed as 22EPR707- Project – I with the same 3 credits.
   - The Laboratory course 22EPC707--Comprehension with 2 credit is dropped.
   - Total credits in semester VII is changed from 21 credits to 20 credits.
   - The Cumulative total credit is increased from 163 credits to 167 credits.

2. The curriculum of Regulations 2022 (B.E.-EEE- Full time) wherein changes in 3rd semester for the students admitted in the academic year 2023-2024 is ratified after a detailed discussion.

- 22EES302- Programming in C with Data Structures is changed as 22EES302- Programming in C with Data Structures for Electrical Engineers with the same credit of 3.
- 22EES308- Programming in C with Data Structures Laboratory is changed as 22EES308- Programming in C with Data Structures for Electrical Engineers Laboratory.

3. The curriculum of Regulations 2022 (B.E.-EEE- Full time) changes in 2nd semester for the students admitted in the academic year 2024-2025 is ratified after the detailed discussion.

- 22ZES211- Engineering Practices Laboratory is changed as 22EES211- Engineering Practices Laboratory for Electrical Engineers with the same 1.5 credit.

4. The syllabi from Semester V to Semester VIII for all the curriculum of R-2022- (B.E -EEE-Full Time) for the students admitted in the academic year 2022-23, 2023-24 and 2024-25 are passed.

5. The curriculum changes under Regulations -2022 for the M.E-Power Electronics and Drives students from the academic year 2024-25 is ratified.

- 22ZMC001- Research Methodology and IPR the Credit is changed from 2 to 3.
- Total credit in semester I is changed from 21 credits to 22 credits.
- Cumulative Total credit is changed from 70 credits to 71 credits.

6. The curriculum of Regulations - 2022 (B.E.-EEE-Part Time) for the students admitted in academic Year 2022-2023 is ratified.

- 22PTEPC502-Microprocessors, Microcontrollers and Programming with 3 credits is renamed as 22PTEPC502- Microprocessor and Digital Signal Controllers with the same credits.
- 22PTEPC505-Microprocessors, Microcontrollers and Programming Laboratory is changed as 22PTEPC505-Power Electronics, Microprocessor and Digital Signal Controllers Laboratory with the same 1.5 credit.
- 22PTEPC602-Solid State Drives with 3 credits is moved to Professional Elective.
- 22PTEPC605- Power Electronics and Power System Laboratory is changed as 22PTEPC605- Power System Laboratory with the same 1.5 credits.
- 22PTEPC701-Energy Utilization, Conservation and Auditing with 3 credits is moved to 6th semester as 22PTEPC602-Energy Utilization and Conservation.
- A new course named 22PTEHS701-Human Values and Professional Ethics with 3 credits is introduced.

7. The syllabi of the Regulations - 2022 from 5th semester to 7th semester for the B.E (EEE- Part Time) students are passed.

8. The curriculum and syllabi of the Regulations -2023 from 3rd semester to 8th semester for the B.E (EEE- Part Time) students are passed.

9. The credit transfer and add or drop courses for the B.E-(EEE-Full Time) Students are passed as per the following details.

• The credit transfer for the B.E-(EEE-Full Time) 2020-2024 Batch Students requested for Credit transfer for three courses completed under Naan mudhalvan /Swayam /NPTEL, whose the results were published in Oct/Nov 2023 so discussed. The courses are compared with GCEB R2020 curriculum course and found equivalent .The BoS members have accepted and passed for the credit transfer.

Course mapping:

S. No.	TITLE	EQUIVALENT ELECTIVE COURSE (GCEB R 2020)	ELECTIVE TYPE
NAAN MUDHALVAN COURSES			
1	Electric Vehicle (NM 1)		Professional Elective-VII
2	Machine Learning (NM 1)		Professional Elective-VII
3	Smart Energy Grid (NM 1)		Professional Elective-VII
4	AR/VR (NM 1)		Professional Elective-VII
5	Powering IOT using Raspberry Pi or Arduino (NM1)		Professional Elective-VII
6	Electric Vehicle Charging System Design (NM 2)		Professional Elective-VII
7	Embedded System for Industrial Application (NM 2)		Professional Elective-VII
8	Drone Basics, Design, Assembly And Test program (NM 3)		Professional Elective-VII
NPTEL COURSES			
1	Introduction to Internet of things	20LOE007 Internet of Things	Open Elective-IV offered by ECE Dept
2	Smart Grid: Basics to Advanced Technologies	20EPE021 Smart Grid	Professional Elective-VII
3	Industrial Safety Engineering	20MOE011 Industrial Safety Engineering	Open Elective-IV offered by Mech Dept

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- Students of B.E-EEE (Full Time) 2021-2025 batch under Regulation 2020 requested for Credit transfer of a course completed in Swayam / NPTEL, the results were published in Oct/Nov 2023.This course is compared with GCEB R2020 curriculum course and found equivalent. The BoS members have accepted and passed for the credit transfer.

Course mapping:

S.No.	NPTEL / SWAYAM	EQUIVALENT ELECTIVE COURSE (GCEB R 2020)	ELECTIVE TYPE
1.	Introduction to Internet of Things	20LOE007- Internet of Things	Open Elective-III offered by ECE Dept.

The Student list is given below:

S .No.	Regd. Number	Name of the Student	Class
1	61072113101	ABARNA S	IV EEE
2	61072113102	ANANDHI S	IV EEE
3	61072113104	BERJU MOL S S	IV EEE
4	61072113105	CHANDRU V	IV EEE
5	61072113106	DHANUSH PRASAD T	IV EEE
6	61072113108	DHARANI M	IV EEE
7	61072113109	DINESH C	IV EEE
8	61072113111	GOKULNATH S	IV EEE
9	61072113112	GREASIYIA P	IV EEE
10	61072113113	HAMEED IBRAHIM M S	IV EEE
11	61072113114	HARI PRASATH N	IV EEE
12	61072113115	HARINI R	IV EEE
13	61072113117	JAISHREE A	IV EEE
14	61072113118	JAYASURYA J	IV EEE
15	61072113119	JEEVANANTHAM S	IV EEE
16	61072113120	KAVINKUMAR V	IV EEE
17	61072113122	KESAVAN U	IV EEE
18	61072113123	KIROSHMA G	IV EEE
19	61072113124	MADHUMITHA S	IV EEE
20	61072113126	MANJULA S	IV EEE
21	61072113127	MOWVITHA S	IV EEE
22	61072113129	MUTHU VIGNESH S	IV EEE
23	61072113130	MUTHUKUMARAN M	IV EEE
24	61072113131	NEKA T K	IV EEE
25	61072113133	PREETHI K	IV EEE
26	61072113134	PRIYADHARSHINI D	IV EEE
27	61072113135	RAGUL A	IV EEE
28	61072113136	RAJASELVAM R	IV EEE
29	61072113137	RAMYA SHREE S	IV EEE
30	61072113138	RATHIS P	IV EEE
31	61072113139	SANDHIYA A	IV EEE
32	61072113141	SAVITHA K	IV EEE

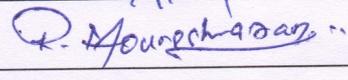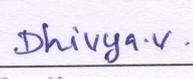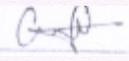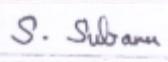|			
33	61072113142	SHREEPRIYAA A V	IV EEE
34	61072113143	SIVASHANKAR C	IV EEE
35	61072113146	SUBANU S	IV EEE
36	61072113147	TAMILVANAN K	IV EEE
37	61072113150	VIGNESH A	IV EEE
38	61072113151	VIGNESH M	IV EEE
39	61072113152	VISHNU M	IV EEE
40	61072213901	DINESH A	IV EEE
41	61072213903	GANESH PRASATH D	IV EEE
42	61072213905	HARISH KUMAR V	IV EEE
43	61072213906	MAHARAJA V	IV EEE
44	61072213908	RAMAKRISHNAN A	IV EEE
45	61072213909	SANGAVI S	IV EEE
46	61072213910	SANTHA KUMAR D	IV EEE
47	61072213911	VASANTHA KUMAR A	IV EEE

- The details of Lateral entry students who were admitted during the academic year 2023-2024 and joined in III Semester are given below.
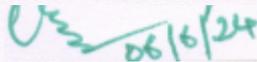
S. No.	Register Number	Name of the student	Joined on	Branch Completed
1	61072313901	MOHAN R	21.09.2023	Diploma in EEE
2	61072313902	RANGARAJAN A	21.09.2023	Diploma in EEE
3	61072313903	SRIDHAR S	21.09.2023	Diploma in EEE

- The BoS have reviewed the subjects studied by the students in their Diploma course and 2022-R Curriculum and syllabi.

- The students have already practiced workshop practices laboratory, therefore the Basic Civil and Mechanical Engineering topics are covered practically. Hence the members have recommended the following subjects to be studied by the students for the upcoming semester as they have not studied in their Diploma course.

S. No.	First year subjects to be studied	Period of study recommended	Credit
1.	22ZMC106- தமிழர் மரபு / Heritage of Tamils	Current III Semester	0
2.	22ZMC207- தமிழரும் தொழில்நுட்பமும் / Tamils and Technology	Upcoming IV Semester	0

Dr.J.S.Christy Mano Raj, Professor & HOD thanked the members for their valuable suggestions improve the curriculum and syllabi.

S.No.	Name	Signature
1.	Dr. T. Aruldoss Albert Victoire	
2.	Dr. S. Thangavel	
3.	Dr R.Ashokkumar	
4.	Mr.S. Selva Kumar	
5.	Dr.J.S.Christy Mano Raj	
6.	Dr.K.Ranjith Kumar	
7.	Dr.K.Mohan	
8.	Dr.V.Arivumani	
9.	Dr.I.Thangaraju	
10.	Dr.K.Thirumal	
11.	Dr.R.Francis	
12.	Dr.V.Adhimoorthy	
13.	Dr.K.Asokan	
14.	Ms.S.Subhashini	
15.	Mr.S.Praveen kumar	
16.	Mr.C.Jothibas	
17.	R. MOUNESHWARAN, III rd EEE	R. Mouneshwaran
18.	V. DHIVYA, III rd EEE	Dhivya.v.
19.	Mr.C. Sivashankar	
20.	Ms. S.Subanu	S. Subanu
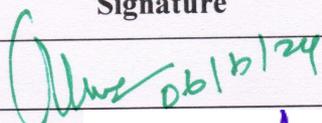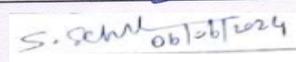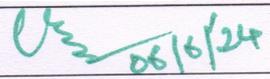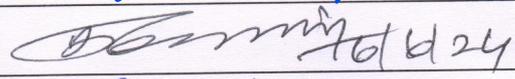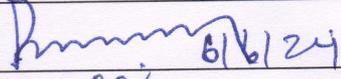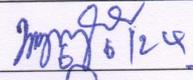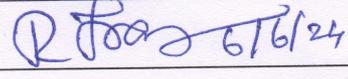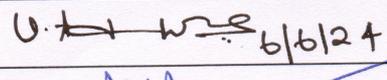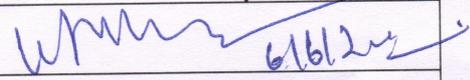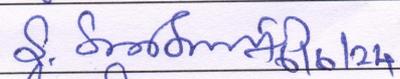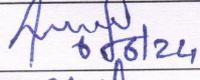
CHAIRMAN
BOARD OF STUDIES/EEE