St. Xavier's Catholic College of Engineering, Chunkankadai- 629 003
(An Autonomous Institution - Affiliated to Anna University, Chennai)
www.sxcce.edu.in
Faculty of Electrical Engineering
Department of Electrical and Electronics Engineering
Minutes of Eighth Board of Studies Meeting

Mode : Offline
Date & Time : 13th May 2026 at 10.30 a.m – 2.00 p.m
Venue : EEE Seminar Hall, E block

Agenda

- Prayer
- Welcome Address

08.01: Confirmation of sixth BoS meeting minutes and Decision/Action Taken report.

08.02: Discussion on the Suggestions / Recommendations offered by the members in the sixth Academic Council meeting and the sixth Governing Body meeting.

08.03: Presentation of the proposed curriculum and syllabi and getting suggestion on curriculum and detailed syllabi for the I year UG and PG Programmes for regulation 2026.

08.04: Other matters if any.

- Vote of Thanks

Members Present: Enclosed

MINUTES OF THE MEETING

The eighth Board of Studies meeting started with a prayer by Ms. S. Shiny, Assistant Professor of Department of Electrical and Electronics Engineering. The Chairman Dr. J. Merry Geisa welcomed the external and the internal members and presented the seventh Board of studies meeting minutes and decision/action taken report followed by discussion on the suggestions / recommendations offered by the members of seventh Academic council and Governing Body meeting. Also presented the proposed curriculum and syllabi and getting suggestion on curriculum and detailed syllabi for the I year UG and PG Programmes for regulation 2026.

08.01: Confirmation of seventh BoS meeting minutes and Decision/Action Taken report.

Sl.No	Recommendation/Suggestion of members during sixth BoS meeting	Action taken	Remarks
1	Laboratory courses can be considered for 1.5 credits.	For Regulation 2026, the entire college is following 2-credit structure for lab courses. Hence, it was decided to adopt the same for our department. This suggestion will be considered in the future.	Confirmed
2	An introductory topic like History/ Introduction to Electrical engineering shall be included in the first unit of Fundamentals of Electrical and Electronics Engineering.	Incorporated	Confirmed
3	Few topics like electrical safety shall be incorporated in the common course entitled "Basic Electrical and Electronics Engineering" under unit 5.	Modifications are incorporated in the syllabus.	Confirmed
4	All the core papers shall have one unit exclusive for AI integration with the corresponding course, preferably in unit 5.	To build foundation, a paper called Introduction to AI is made as compulsory paper in the 4th sem. AI application-oriented topics will be added where ever it is possible.	Confirmed
5	Time consuming experiments like multivibrators, multistage amplifiers, RC phase shift oscillators shall be simulated in electronic devices and circuits lab instead of doing it in a hardware.	Will be followed in the course "Electronic devices and circuits lab" in semester 3.	Confirmed
6	A course based on "Internet of Things" is getting wide attention in many applications, hence a course based on IoT based applications shall be incorporated in the Professional electives.	Incorporated.	Confirmed

7	Change the course title as "Power systems" instead of power system. Also change the course title as Microcontrollers and embedded systems instead of Microcontroller and Embedded systems.	Modifications are incorporated.	Confirmed
8	Courses like control systems, power electronics shall be introduced in open electives instead of courses like electrical safety and electrical wiring. If possible, prerequisite for the course shall be specified in the syllabus.	Modifications are incorporated.	Confirmed
9	If possible, course entitled "Data science" or other related courses shall be added in Professional electives.	Modifications are incorporated.	Confirmed
10	Following courses / course content are not found in the curriculum. They shall be included in the Professional Electives Signals and Systems, Artificial Intelligence Machine Learning Deep Learning, Optimization Techniques Data Structures Advanced Microcontrollers	The courses Signals and Systems, Machine Learning, Deep Learning, Optimization Techniques and Data Structures are added in verticals. The course called "Introduction to AI" is made as a core paper in the 4th semester instead of "Artificial Intelligence". The course "Advanced Microcontrollers" will be merged with the core paper "Microcontrollers and Embedded Systems" in semester VI "Python programming" concepts will be included in the course "Communication and Computational Skills for Electrical Engineers I&II" in semester 3&4.	Confirmed
11	The course "Grid Integrating Techniques and Challenges" looks to be odd in Vertical list, hence it shall	The course "Grid Integrating Techniques and Challenges" is removed from the elective list and the contents will be added	Confirmed

	be changed to respective vertical list.	in the elective papers "Solar Energy Systems" & "Wind Energy Conversion Systems" in vertical I (**Sustainable Energy Technologies/ Clean and Green Technologies).**	
12	Vertical 5 - "Embedded Systems" has diversified courses. This may be relooked.	Modifications are incorporated. A course titled "Intelligent Control" is moved from Vertical V (**Embedded Systems**) to Vertical VIII (**Artificial Intelligence & Computational Sciences**).	Confirmed
13	Students should be given awareness to choose electives listed under the same verticals so that they become experts in that area.	Will be done.	Confirmed
14	SiC, GaN based semiconductor devices are cheap and efficient for most of the chargers-based applications in the industry, so such devices shall be experimented in lab to determine it's characteristics.	Will be done.	Confirmed
15	Students shall be encouraged to publish papers only in conferences for capstone project phase II. This should not be made compulsory. However, the publication may be encouraged with additional marks.	Will be done.	Confirmed

08.02: Discussion on the Suggestions / Recommendations offered by the members in the seventh Academic Council meeting and the seventh Governing Body meeting.

The seventh Academic Council meeting of St. Xavier's Catholic College of Engineering was conducted on 30-01-2026 at 10:00 am at Einstein Hall. Committee accepted the modifications incorporated in the syllabus as per the recommendations of the Board of studies members.

08.03: Presentation of the proposed curriculum and syllabi and getting suggestion on curriculum and detailed syllabi for the I year UG and PG Programmes for regulation 2026.

Presented the newly framed 2026 draft curriculum for UG and PG programmes and detailed syllabus of first year courses. Then the proposed curriculum and first year syllabus was reviewed by the Board of Studies members and they gave the following suggestions.

1. Courses such as **Renewable Energy Systems, Wind Energy Systems** or **Solar Energy Systems** shall be offered as an Open Elective to other branch students.
2. The title of DLC and LIC Laboratory in the 4th semester shall be changed as **"Integrated Circuits Laboratory".**
3. Options shall be given to honors courses. Courses namely, **"Analysis of Electrical Machines, HVDC & FACTS** and **Battery Management Systems"** shall be included.
4. The course "Embedded Systems and Industrial IoT" shall be changed to **"Industrial IoT"** and the contents shall be modified accordingly.
5. In Vertical 3, the course **"EHVAC, HVDC and FACTS"** shall be changed to **"EHVAC"** and the contents shall be modified accordingly.
6. MCB and RCCB shall be included in 5th unit of the course **"Fundamentals of Electrical Engineering"** and the Unit title shall be renamed as "Domestic wiring and Protection devices".
7. For the course **"EE26C02- Basic Electrical and Electronics Engineering"** offered to CSE, IT, AIDS, and CS programmes, the following modifications may be incorporated:

   - **Unit 2:** Include BJT along with applications such as rectifiers and amplifiers. The unit title may be renamed as **"Semiconductor Devices."**
   - **Unit 3:** Include **Digital Voltmeter**.
   - **Unit 4:** Include **Solar Power Plant**.

8. For the course **"EE26C01- Basic Electrical and Instrumentation Engineering"** offered to Civil and Mechanical Engineering programmes the following modifications may be incorporated:

   - The title **"AC Rotation Machines"** may be changed to **"AC Machines."**
   - **Digital Voltmeter** may be added in Unit 4. Further, **RTD and Thermocouple** shall also be included.

9. Total number of credits for PG course shall be reduced to 76 from 81.
10. The PG course "Power semiconductor devices" shall be removed and the contents of units 4 and 5 shall be included in other appropriate courses.
11. The course title "Design Laboratory for power electronics and drives" shall be changed as **"Power electronics Converters Laboratory"**. Inverter hardware experiments shall be included.
12. The course title "Advanced analysis of Electrical Machines and drives" shall be changed as **"Analysis of Electrical Machines and drives"**. Contents should be properly verified.
13. The course **"PE26102-Electric Vehicles and Power Management"** shall be shifted to the 2nd semester, as it should be studied after completing the fundamental courses.

8.04: Other matters if any.

1. Recent reference books may be used.
2. The word "Lab" shall be changed to "Laboratory" everywhere.

Principal Dr. J. Maheswaran delivered a talk outlining the development of the Regulations 2026 curriculum and syllabus. In the concluding remarks, Dean of Academics Dr. R. P. Anto Kumar acknowledged the valuable contributions and suggestions provided by the expert members during the course of the discussions. Finally, the Assistant HoD, Dr.M.Germin Nisha expressed gratitude to all members of the Board of Studies, and the meeting concluded at 2.00 p.m.

Dr.M.Saravanan
(Anna University Nominee)

Dr. M.P.Selvan
(Academic Expert)

Dr.D.R.Binu Ben Jose
(Academic Expert)

Dr.J.Aran Glenn
(Industry Expert)

Er.Snow J Steggela
(Alumnus)

Dr.J.Merry Geisa
(H.O.D EEE)

Dr. J. MERRY GEISA, M.E.,Ph.D.,
Professor & Head of the Department,
Department of EEE,
St. Xavier's Catholic College of Engineering,
Chunkankadai - 629 003

Dr.R.P.Anto Kumar
(Academic Dean)

Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)
Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil – 629 003.

Dr.J.Maheswaran
(Principal)

Dr. J. MAHESWARAN, M.E. Ph.D. FIE. MISTE.
PRINCIPAL
ST.XAVIER'S CATHOLIC COLLEGE OF ENGINEERING
CHUNKANKADAI
NAGERCOIL - 629 003