



St. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
Chunkankadal, Kanyakumari District, Tamil Nadu

Accredited with 'A' Grade by NAAC
All UG Programs Accredited by NBA
Recognized under section 2(f) & 12(B) of UGC Act, 1956
All UG, MBA & MCA Programs Permanently Affiliated

[An Autonomous Institution]

Electrical and Electronics Engineering BOARD OF STUDY

Date: 14/11/2022

Time: 10.00 AM

Venue: Seminar Hall, Dept. of EEE.

Sl.No.	Name	Designation	Address	Signature
1	P. MERLIN KUMAR	SO/F	Kudankulam Nandan Power project, Kudankulam	
2	S. EMIL JEBARAJ	AEE/TANGEDCO	TANGEDCO, Central Office, Parvathipuram	
3	V. Suresh Kumar	Professor (Add Nominee)	Thiagarajar College of Engg. Medurai	
4	Dr. S. SOLAI MANOHAR	PROFESSOR	CNR Institute of Tech Bengaluru.	
5	Dr. J. MAHESWARAN	PRINCIPAL	St. Xavier's Catholic College of Engg	
6	Dr. S. V. KATKALVIZHI	HOD / BOS Chairman	St. Xavier's Catholic College of Engg	
7	Dr. H. MARSHALINE BEN	Dean / Research	St. Xavier's C.C. of Engg.	
8	Dr. M. JOHN BOSCO	Assistant Professor	St. Xavier's C.C. of Engg.	
9	Dr. A. Darwin Jose	Asso. Professor	" "	
10	J. LEON BOSCO RAJ	Assistant Professor	" "	
11	Dr. Jain B. Marshall	Assistant Professor	" "	
12	S. S. Selva Pradeep	Assistant Professor	" "	
13	M. Abraham Sajan Singh	Assistant Professor	" "	
14	V. Jesus Bobin	Assistant Professor	" "	
15	A. George Anser	Assistant Professor	" "	
16	Dr. M. Gernin Kiche	Associate Prof.	" "	
17	P. Suji Garland	Assistant Prof	St. Xavier's Catholic College of Engineering	
18	S. Shiny	Assistant Professor	St. Xavier's Catholic College of Engineering	
19	W. Vinil Danc	Assistant Professor	St. Xavier's Catholic College of Engineering	



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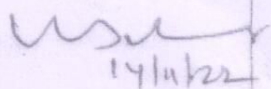
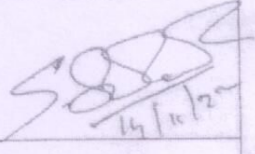
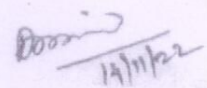
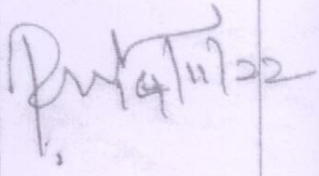
Sl.No.	Name	Designation	Address	Signature
20	Dr. J. Merry Cressa	Associate Professor	SXCCE, Nagercoil	J. Merry Cressa
21	T. Berjini Magizha	Assistant Professor	SXCCE, Nagercoil	T. Berjini Magizha
22				
23				
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St. Xavier's Catholic College of Engineering
Chunkankadai, Nagercoil-629003, Tamilnadu, India.

Department of Electrical and Electronics Engineering

Minutes of Board of Studies Meeting

The Board of Studies (BOS) meeting of the department of Electrical and Electronics Engineering was conducted on 14.11.2022 in EEE seminar Hall, SXCCE at 10.00 A.M. Following members were present.

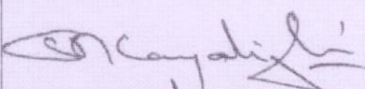
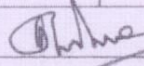
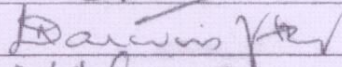
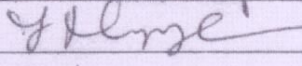
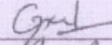
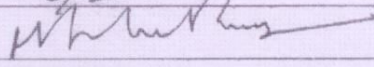
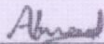
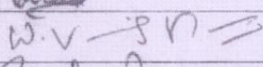
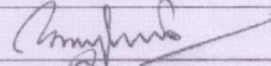
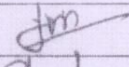
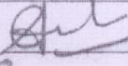
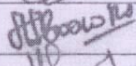
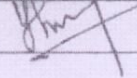
Sl.No	Name of the Experts	Members as per the UGC Norms	Signature
1.	Dr.V.Suresh Kumar, Professor, Department of EEE Thiagarajar College of Engineering Madurai.	Expert Nominated by the Vice- Chancellor	 14/11/22
2.	Dr. G. Saravana Ilango Professor EEE Department National Institute of Technology Trichy-620 015.	Subject experts from outside the Parent University	Online
	Dr.S.Solai Manohar, Professor/EEE, CMR Institute of Technology Bangalore -560037		 14/11/22
3.	Er. S.Emil Jeba Singh, Assistant Executive Engineer, APDRP central office TANGEDCO, Parvathipuram Kanyakumari Electricity Distribution circle	Representative from industry/corporate	 14/11/22
4.	Er. Merlin Kumar, Senior Executive Engineer (Electrical) Nuclear Power Corporation of India	Postgraduate Meritorious Alumnus	 14/11/22

Internal Stakeholder

I. Dr. J. Maheswaran

- Principal, SXCCE

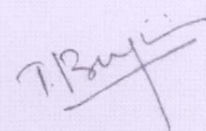
Department Faculty Members

Sl.No.	Faculty Name	Signature
1	Dr. S.V. Kayalvizhi , HOD / Chairman of BOS	
2	Dr. M. Marsaline Beno	
3	Dr. A. Darwin Jose Raju	
4	Dr. J. Merry Geisa	
5	Dr. M. Germin Nisha	
6	Dr. M. John Bosco	
7	Mr. Almond D'souza	
8	Mrs. Vinil Dani	
9	Mr.S.S. Selva Pradeep	
10	Mrs. P. Suji Garland	
11	Dr. Jain B. Marshel	
12	Mr. George Ansfer.A	
13	Mr. Abragam Siyon Sing.M	
14	Mr. Jesus Bobin.V	
15	Mr. J Leon Bosco Raj	
16	Mrs. S. Shiny	

Special Invitee

Ms.T.Berjin Magizha

-Asst.Prof/Maths



The Board of studies (BOS) meeting started with a silent prayer. Dr. M.Marsaline Beno, Dean of Research welcomed and introduced the external members to the internal members. Dr.J.Maheswaran, Principal gave a short introduction about the college and the process involved in attaining Autonomous status. Dr.S.V.Kayalvizhi, HOD/EEE, Chairman

of BOS presented the proposed curriculum and syllabus of B.E Electrical and Electronics Engineering and M.E Power Electronics and Drives. Then proposed curriculum and syllabus was reviewed by the members and recommended the following suggestions.

B.E Electrical and Electronics Engineering

- Industry Course shall be included in the syllabus with one credit. It can be conducted via online or offline based on the availability of the resource person.
- To get continuity for Power System subjects, Control Systems shall be moved from 5th semester to 4th semester and Generation, Transmission and Distribution course shall be moved to 5th semester.
- Power Plant Engineering and Renewable Energy shall be included in the open elective. E-Waste subject shall be removed from the open elective.
- In Measurement and Instrumentation course (III semester), smart meters can be introduced. Also include relevant text books.
- In Electronic Devices and Circuits course (III semester), Units I, II & III shall be devices based and Units IV & V shall be circuits based modules. Instead of thyristor SCR can be used.
- In Electronic Devices and Circuits Laboratory (III semester), NPN transistors can be represented as BJT. Experiments using JFET can be replaced using MOSFET. IGBT based experiments can be added.
- Digital Signal Processing, Custom Power Devices, CAD for modelling and design, PLC & Automation and Design of Electrical apparatus courses can be included in the syllabus. If not possible as a core subject, include this subject as one of the elective.
- The course title of Electrical Machines – I and Electrical Machines – II can be changed to DC Machines & transformer and AC Machines respectively.
- The syllabus of basic courses offered to the first year of other departments can be made as simple as possible. Contents from Book by V.K.Mehta shall be considered.
- Theory cum Practical courses shall be included in the syllabus if possible.
- The distribution of professional electives in verticals can be arranged semester wise.

M.E Power Electronics and Drives

- Contact periods and credits are found to be more in second semester. Hence the following changes can be made.

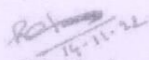
- Research Tools in Engineering Lab course(II Semester) can be coupled with Research Methodology and IPR theory course in the first semester and can be converted to theory cum practical course.

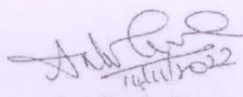
- Theory cum lab courses, Analysis of Electrical Machines and Special electrical machines can be converted into theory cum tutorial courses.

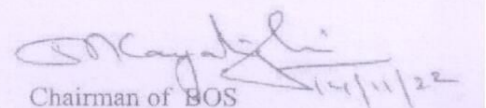
- Controller based courses (DSP/Microcontroller/Embedded) shall be added in the professional core.
- Fourier transform can be included in the Applied mathematics course and the name of the course can be changed into Applied mathematics instead of Applied mathematics for Power Electronics Engineers.
- Name of the elective subject Advanced Power Converters can be changed into another relevant name.
- Current source inverter topic can be removed from unit 4 of Analysis of Power Converters course(I semester) , and the 5 th unit can be renamed as Multilevel and Impedance Source Inverters of the same course.
- Experiments in advanced level can be added to Design Laboratory for Power Electronics Systems and Analog and Digital Controllers for PE Converters Laboratory
- The title of Design Laboratory for Power Electronic Systems lab can be changed into Design Laboratory for Power Electronics and Drives.
- The title of Modern Rectifiers and Resonant Converters can be changed into PWM Rectifiers and Resonant Converters.
- One more elective subject can be added related to PWM techniques.
- In the Control of Power Electronic Circuits course Controller Design For DC-AC Converter Circuits can be included as one unit and the 4 th and 5 th unit can be coupled together.
- In the System Design Using Microcontroller course unit 1 and 2 can be replaced by Arm processor.
- Python coding can be included in the Machine Learning and Deep Learning subject.

- Optimization Techniques course syllabus can be compared with UG syllabus and make necessary changes.
- The syllabus for Python Programming For Machine Learning, HVDC and FACTS are found to be vast it can be reduced.
- Machine Learning, Deep Learning and Soft Computing Techniques courses can be checked for overlaps if any.
- Check whether all the topics mentioned in the syllabus are covered in the text book.

Dr.J.Merry Geisa proposed the vote of thanks. The meeting ended at 1.30 P.M.

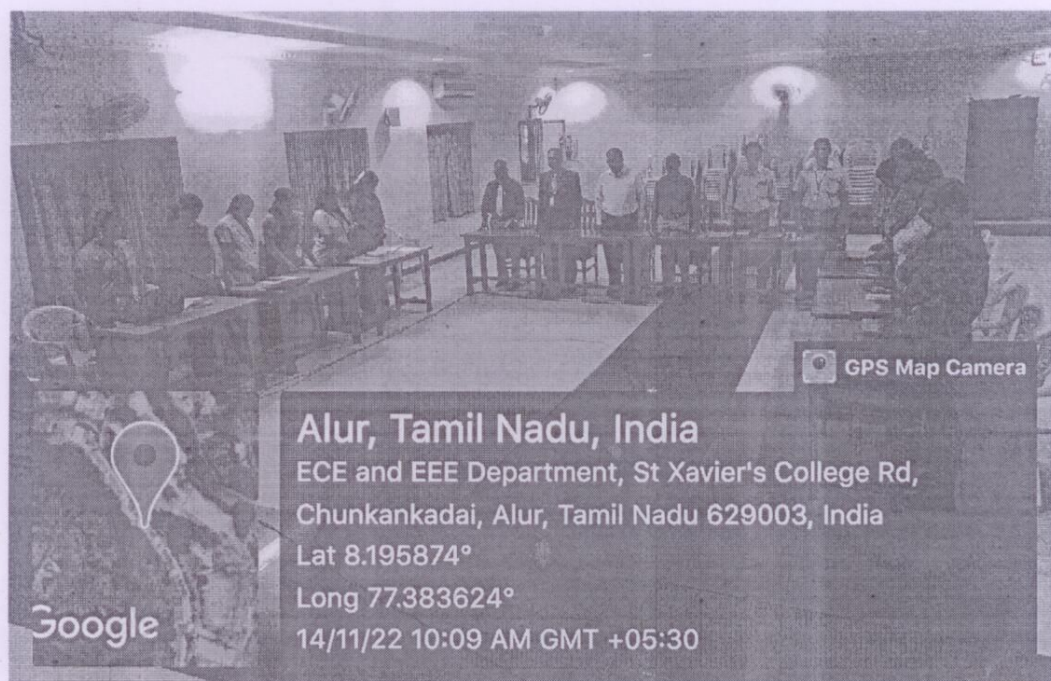

Principal

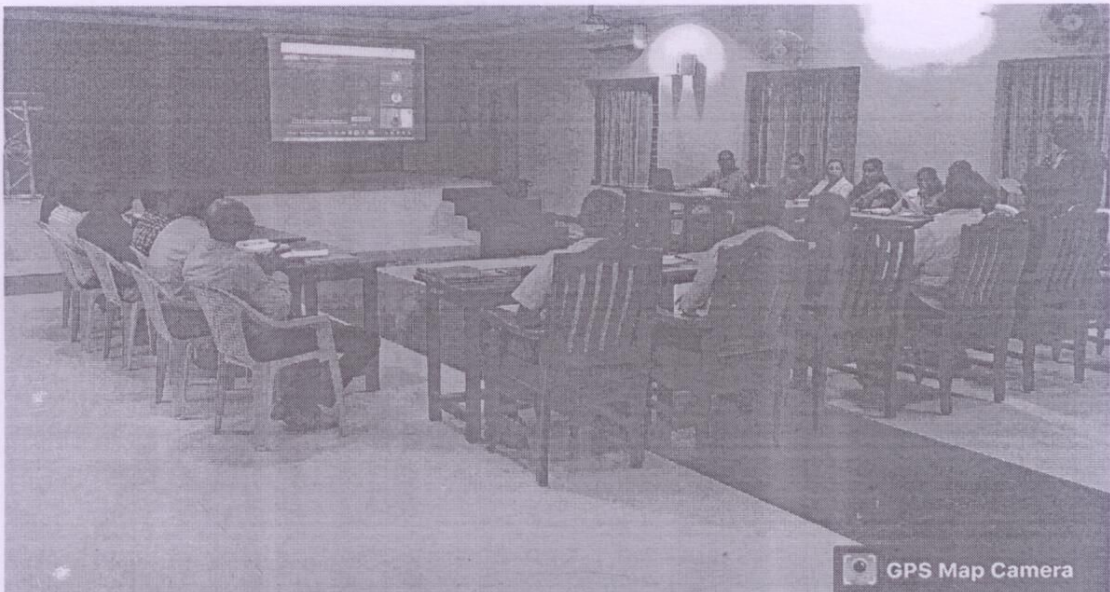

Academic Dean


Chairman of BOS
Dr.S.V.KAYALVIZHI M.E,Ph.D
Assistant Professor & Head
Dept. Of Electrical and Electronics Engineering
St.Xavier's Catholic College of Engineering
Chunkankadal, Nagercoil- 629003

Department of Electrical and Electronics Engineering

Board of Studies Meeting (14-11-2022)





GPS Map Camera



Alur, Tamil Nadu, India

ECE and EEE Department, St Xavier's College Rd,
Chunkankadai, Alur, Tamil Nadu 629003, India

Lat 8.195835°

Long 77.383622°

14/11/22 10:14 AM GMT +05:30