



ST. XAVIER'S
CATHOLIC COLLEGE OF ENGINEERING
(Autonomous)

Chunkamadaik, Nagercoil - 625003
Kanyakumari District, Tamil Nadu.

Approved by AICTE & Affiliated to Anna University, Chennai
Accredited with 'A' Grade by NAAC
UG Programs(ECE, EEE, Mech, Civil, CSE & IT) Accredited by NBA
Anna University Recognized Research Institute
Recognized under section 2(F) & 12(B) of UGC Act, 1956
UG Programs(ECE, EEE, Mech, Civil, CSE & IT).
MBA & MCA Programs Permanently Affiliated

Department of Electronics and Communication Engineering

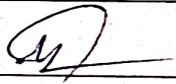


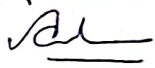
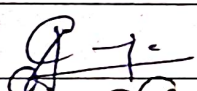

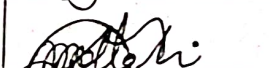

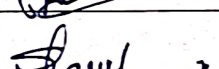
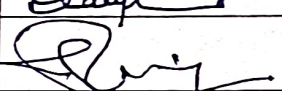


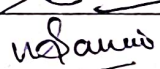
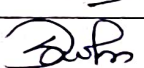
Sixth Board of Studies Meeting

Date : 22/05/2025

Venue : Einstein Seminar Hall

MEMBERS PRESENT

| Sl. No. | Name | Designation & Institution | Signature |
|---------|-------------------------------|--|----------------|
| 1 | FR. S. GODWIN SELVA JUSTUS | CORRESPONDENT | 22/05/2025 |
| 2 | DR. J. MAHESWARA | PRINCIPAL | 22-5-11 |
| 3 | A. SATHYA SHINY | TECH LEAD, CAPRESTART | |
| 4 | B. SATHYA BAMA | Professor, ECE TCE, Madurai | B. Satya Bama |
| 5 | J. SHEEBA RANI | Professor, AUTONICS DEPT, Tiruvandrum | |
| 6 | R. Solomon Roach | Manager, SVIQS Technologies, Chennai | |
| 7 | Dr. R. P. ANTO LOMAR | Dean - Academics | 22/05/2025 |
| 8 | DR. S. Maria Seraphin Sujitha | AP/ECE SXCCE | |
| 9 | Dr. Y. R. Annie Bessant | Asso-Prof / ECE / SXCCE | |
| 10 | C. RENIT | AP/ECE | |
| 11 | T. Ajitha | AP/ECE | |
| 12 | K. Baby Lisa | AP/ECE | |
| 13 | S. ABBA | AP/ECE | |

| | | | |
|----|----------------------------|---------------------|---|
| 14 | Dr. C. I. Helen Sulochana | Prof/ECE |  |
| 15 | A. Anitha | AP/ECE |  |
| 16 | Dr. D. Jeraldin Auxilia | P/ECE |  |
| 17 | A. C. Jinisha | AP/ECE |  |
| 18 | Dr. C. sheeja Herobin Rani | Asso. P/ECE |  |
| 19 | Dr. I. Femila | Asso. Prof/ECE |  |
| 20 | Dr. M. Mary Mellalini | Head of Dept of ECE |  |
| 21 | Dr. T. Mary Little Flower | Asso. Prof/ECE |  |
| 22 | S. MARY VASANTHI | Asso. Prof/ECE |  |
| 23 | Floria Reja Sughitha | AP/ECE |  |
| 24 | Dr. J. ARUL KING. | AP/E.C.E |  |
| 25 | Dr. M. Starwin | AP/ECE |  |
| 26 | V. Femila Sarjo | AP/ECE |  |
| 27 | Dr. S. Caroline | HOD/ECE/SXCCE |  |
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St. Xavier's Catholic College of Engineering, Chunkankadai, Nagercoil – 629003

Department of Electronics and Communication Engineering

Board of Studies Meeting Minutes # 06

Date : 22/05/2025

Time : 11.00 am – 12.30 pm

Venue : Hybrid Mode (Einstein Seminar Hall)

The sixth Board of Studies (BoS) meeting for the Department of ECE at SXCCE, with the University nominee, was held on May 22, 2025, at 11:00 a.m. in the Einstein Seminar Hall. All faculty members of the department attended, joined by a University nominee for BoS, two academic expert members, an industry representative, and a distinguished postgraduate alumnus. The meeting commenced with a prayer by Dr.S.Maria Seraphin Sujitha, AP/ECE. Mrs. C.Renit, AP/ECE, warmly welcomed the attendees, followed by an introductory address from the Principal, Dr. J. Maheshwaran. Dr. S. Caroline, Head of the Department of ECE, presented the syllabus for approval of semester VIII B.E course and Dr.Y.R. Annie Bessant, co-ordinator of M.E. VLSI Design outlined the curriculum and syllabi for the first semester of the M.E VLSI design course. Our correspondent, Rev. Fr. S. Godwin Selva Justus, offered his suggestions, and the meeting concluded with a vote of thanks delivered by Dr. C.Helen Sulochana, Professor/ECE department.

University nominee for BoS

1. Dr.B.Sathyabama, Professor, Department of Electronics and Communication, Thiagarajar College of Engineering, Madurai.

Expert Members in the Subject from outside the college

1. Dr.E.S.Gopi, Professor, Department of ECE, NIT, Trichy.
2. Dr.J.Sheeba Rani, Associate Professor, Department of Avionics, Indian Institute of Space Science and technology (IIST), Trivandrum.

Representative from Industry

1. Dr.R.Solomon Roach, Consultant/DfT Division, sVIOS Technologies Pvt Ltd., Chennai.

Postgraduate Meritorius Alumnus

1. Er.A.Sahaya Shiny, Tech Lead, CapeStart Software Pvt Ltd.

AGENDA

- 06.01. Confirmation of the Fifth BoS meeting minutes held on 15/11/2024 and Decision/Action Taken report.
- 06.02. Discussion on the Suggestions / Recommendations offered by the members in the V Academic Council meeting.
- 06.03. Getting recommendation for approval for the Semester VIII Course and Draft Curriculum and Syllabi of Semester I M.E. VLSI Design
- 06.04. Getting recommendation for approval of Credit transfer
- 06.05. Other matters if any.

DISCUSSION

06.01. Confirmation of Fifth BoS meeting minutes held on 15/11/2024 and Decision/Action Taken report.

| Sl. No. | Suggestions / Recommendations related to Curriculum and Draft Syllabi by the members during V BoS Meeting | Action taken | Suggestions / Recommendations Remarks by the members during VI BoS Meeting |
|---------|--|--|--|
| 01 | EC22701 - RF Communication Enhance the content on Antenna topics and introduce an additional unit focused specifically on Antennas. | Reframed the syllabus in which Unit 2 and Unit 3 focusses on Antennas | Confirmed and approved |
| 02 | EC22701 - RF Communication The title should be changed. | Based on the inclusion of Antenna concepts, title of the course is changed to "Antenna and RF Communication" | Confirmed and approved |
| 03 | EC22781 - Biometric Technology Since recognition methods are commonly implemented using deep learning, consider assigning deep learning techniques as practical assignments or include it in the syllabus. | It will be instructed to Course instructors to give assignment topics based on Deep learning techniques for each recognition | Approved |
| 04 | Introduce image processing concepts as a prerequisite by covering fundamental image processing topics in the first unit | Incorporated in the syllabus | Confirmed and approved |
| 05 | This course can be offered as an elective for students of ECE department. Incorporate the concept of Morphing in the syllabus | Introduced a course "Biometric Systems" in the curriculum under Vertical 2 – Image and Signal Processing. | Confirmed and approved |
| 06 | K-Nearest Neighbors (KNN) has to be included under Supervised Learning. | Corrections are made | Confirmed and approved |
| 07 | EC22757 - Air Balun Application in Communication Technology - Revise the content of Unit 1 as the contents will overlap with the core course RF Communication. Instead of 5G include 6G | Modified in the syllabus | Confirmed and approved |

06.02. Discussion on the Suggestions / Recommendations offered by the members in the V Academic Council meeting

- There were NO Programme Specific Suggestions / Recommendations offered by the members in the V Academic Council meeting

06.03. Getting recommendation for approval for the Semester VIII Course and Draft Curriculum and Syllabi of Semester I M.E. VLSI Design

| Sl. No. | Suggestions / Recommendations / Remarks by the members during VI BoS Meeting | Action Taken |
|---|---|--|
| EC22801 / PROJECT WORK/ INTERNSHIP | | |
| 01 | Group the entire project batches into different domains (VLSI, Communication, Embedded, IoT, Image Processing etc...). For evaluating Project review, form Committees based on the faculty domains and involve all faculty in evaluation. | Will be considered in future. |
| Curriculum and Syllabi of M.E. VLSI Design | | |
| 02 | Include Graph Theory and Optimization Techniques subject if it is available in any other University's VLSI Design syllabus. Otherwise, Probability and Random Process can be included instead of Graph Theory. | In VLSI design simulation and synthesis aspects, it is mandatory to include Graph Theory and Optimization Techniques |
| 03 | Semester I, Professional Electives – I - Semiconductor Devices and Modeling can be added as a core in the first semester. | The subject Semiconductor Devices and Modeling is included as a core in the first semester. |
| 04 | "Pattern Recognition and Computational Intelligence using MATLAB" book should be included in the Pattern Recognition subject (VL22116) | "Pattern Recognition and Computational Intelligence using MATLAB" is prescribed as reference in the Pattern Recognition subject (VL22116). |
| 05 | Replace the subject Data Converters (VL22211) into Mixed Signal VLSI Design and according to that change the content. | The subject Data Converters is replaced with Mixed Signal VLSI Design and the syllabus contents will be changed according |
| 06 | Replace the subject title MEMS and NEMS (VL22224) | The subject MEMS and NEMS is replaced with CAD for VLSI Design |
| 07 | Replace the subject Soft Computing (VL22115) with AI related course/ Hardware Security course like Cryptography. | Soft Computing and Optimization Techniques (VL22115) is replaced with the subject Hardware Security |
| 08 | The subjects DSP Structures for VLSI (VL22221), VLSI signal processing (VL22323) and VLSI Architectures for Image processing (VL22311) have same concept | The subject DSP Structures for VLSI (VL22221) is removed as it has similar contents in VLSI signal processing. |
| | | VLSI Architectures for Image processing (VL22311) is replaced with the subject Physical Design Automation. |
| 09 | Instead of Machine learning subject (VL22314) add Deep learning and AI concepts, ML can be added in Pattern Recognition. | Machine Learning is replaced by Deep learning. Machine learning topics are included in Unit IV and V of Pattern Recognition. |
| 10 | Include any one of these subjects VL22311 – VLSI Architectures for Image processing or VL22313 – Digital Imaging and Video Processing. Add some basic contents of Image processing | VL22311 – VLSI Architectures for Image processing is removed from curriculum. In VL22313 – Digital Imaging and Video Processing, some basic contents of Image processing will be included |

06.04. Getting recommendation for approval of Credit transfer

Course Completion Status

| Sl. No. | Name of the Student | Course List |
|---------|---------------------|---|
| 1 | FERJITH JOWEL | Certificate in Augmented Reality and Virtual Reality(Clause 4.8.3) |
| 2 | S ANUSREE | Cloud Computing |
| 3 | AROCKIA RITHISH | Cloud Computing |
| 4 | ARSITHA FATHIMA S | Cloud Computing |
| 5 | B BREENA CHARLES | Cloud Computing, Fundamentals of Artificial Intelligence |
| 6 | EUCHARIST ANNIE S | Cloud Computing |
| 7 | DONA SHIYALI T | Cloud Computing |
| 8 | EFHIA STEPHANI | Cloud Computing, Fundamentals of Artificial Intelligence |
| 9 | MONISHA M | Cloud Computing |
| 10 | JEBIN T | Entrepreneurship Essentials, Forests and their Management, Water Quality Management Practices |
| 11 | AASIF MOHAMMED | Cloud Computing |
| 12 | AMUTHAN A | Cloud Computing |

The above students are Exempted from Open Elective course in Semester VII.



B. Sathyabama

Dr.B.Sathyabama
(University Nominee)

E.S.G

Dr.E.S.Gopi
(Academic Expert)

J. Sheeba Rani

Dr.J.Sheeba Rani
(Academic Expert)

R.R.S

Dr.R.Solomon Roach
(Representative from Industry)

A.Sahaya Shiny

Ms.A.Sahaya Shiny
(Meritorious Alumna)

R.P.K

HoD

R.P.K
Dean Academics

Prof. Dr. R. P. ANTO KUMAR, M.E., Ph.D.,
Dean (Academics)

Member Secretary (Academic Council)
St. Xavier's Catholic College of Engineering
Chunkankadai, Hagercoil - 529 063.

Principal

Principal