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FXEC/IQAC /SCM /24-25/EVEN/Cir/Jan-01 **Date:31.01.2025**

Circular

The 12th Standing Committee Meeting is scheduled on 04.02.2025(Tuesday) at 11.30am in Conference Hall. All the members are cordially invited to attend the meeting.

AGENDA

- **Item 25.SC/12.1**: To confirm the Action taken report of the 11th Academic Council held on 15.07.2024
- **Item 25.SC/12.2**: Compilation of key points from the 12th BOS proceedings & 11th BOS action taken report
- **Item 25.SC/12.3**: Agenda Finalization for 12th Academic Council
- **Item 25.SC/12.4:** Any other Points for discussion

31/1/25

Professor Academics

31/1/25

Principal

PRINCIPAL
Francis Xavier Engineering College
(An Autonomous Institution)
108, G/2, By-Pass Road, Vannarpettai,
Tirunelveli - 627 003.

To:

All Academic Council members

All HoD's

FRANCIS XAVIER ENGINEERING COLLEGE (AUTONOMOUS) VANNARPETTAI TIRUNELVELI 627 003

Copy to:

The Chairman

The General Manager (D)

The General Manager (A)

The IQAC Director

All M-Team Members

The File

FXEC/IQAC/SCM/24-25/Semester/MoM/Feb-01 **Date: 04.02.2025**

Minutes of the 12th Standing Committee Meeting

Date & Time: **04.02.2025** & 11.30AM Venue: Conference Hall

The 12th Standing Committee meeting was conducted on 04.02.2025 at 11.30 a.m.

Members of the Standing Committee Meeting:

Sl.No	Name	Designation	Position in Academic Council
1	Dr. V. Velmurugan	Principal, Francis Xavier Engineering College	Chairman
2	Dr. K. Jeya Kumar	Professor, Department of Mechanical Engineering, SCAD College of Engineering and Technology SCAD Group of Institutions.	Academic Expert Member
3	Dr. P. Kannan	Professor /Academics	Member Secretary
4	Prof. J. Samuel Prabaharan	Assistant Professor & Head – Civil	Chair persons of BOS
5	Dr. G. Aravind Swaminathan	Professor & Head – CSE	
6	Prof. J. Friska	Asso. Professor & Head - ECE	
7	Dr. A. Ravi	Professor & Head – EEE	
8	Dr. R. Samuel Hansen	Professor & Head - MECH	
9	Dr. D. Annie Rose Nirmala	Asso. Professor & Head -MBA	
10	Prof. Shala F John	Ass. Professor / English & Head –S&H	
11	Dr. L. R. Priya	Professor & Mentor Head /ECE	Members
12	Dr. G. Rajakumar	COE & Professor /ECE	
13	Dr. J. B Shajilin Leoret	Professor /TSD	
14	Dr. M. Caroline Viola Stella Mary	Professor, ERP & Head - IT	
15	Dr. A. Anitha	Professor & Head - AI&DS	
16	Dr. S. Gomathy	Professor & Head -CSBS	
17	Prof.D. Angeline Ranjithamani	Asso. Professor & Head - MCA	
18	Dr. Jainual Fathima	Asso. Professor & Head – CSE(AI&ML)	

Agenda:

Item25.SCM/12.1: To confirm the Action taken report of the 11th Academic Council held on 15.07.2024

Item25.SCM/12.2: Compilation of key points from the 12th BOS proceedings & 11th BOS action taken report

Item25.SCM/12.3: Agenda Finalization for 12th Academic Council

Item25.SCM/12.4: Any other points for discussion

Opening Protocol:

The 12th SCM started with the prayer by Prof. Friska, HOD, Department of ECE.

Mrs. Shala F John, AP/Department of English welcomed the members of the SCM.

Dr. Kannan P, Professor Academics briefed the agenda of the meeting and the deliberations of 12th SCM.

Points discussed in the 12th SCM meeting held on 04.02.2025

Item25.SCM/12.1: To confirm the Action taken report of the previous SCM held on 15.07.2024.

Item25.SCM/12.1 - Action taken for the previous SCM held on 15.07.2024	**Action Taken**
Item24.SCM/11.3 Points for Discussion and Approval: Regulation R 2024 B.E/B.Tech M.E/M.Tech M.B.A M.C.A	The 2024 regulations for undergraduate (UG) and postgraduate (PG) programs have been drafted in accordance with the National Education Policy (NEP) and Anna University guidelines. The curriculum for UG programs, including the courses for the first and second semesters, has been developed and submitted to the Board of Studies (BoS) of the respective programs.
New Head of the Department - CSE(AIML)	Dr. Jainul Fathima, Asso.Prof/CSE(AIML) was deputed as a head of the department for CSE(AIML)

Item 25.SCM/12.2: Compilation of key points from the 12th BOS proceedings & 11th BOS action taken report

1. The BoS for the programmes Computer Science and Engineering, Computer Science and Business System, Artificial Intelligence, Information Technology, Master of Computer Applications and Computer Science Engineering Artificial intelligence & Machine Learning was conducted on **25.01.2025**
2. The BoS for the Faculty of Civil Engineering was conducted on **21.12.2024.**
3. The BoS for the Faculty of Electrical and Electronics Engineering was conducted on **20.12.2024.**
4. The BoS for the Faculty of Electronics and Communication Engineering was conducted on **20.12.2024.**
5. The BoS for the Faculty of Mechanical Engineering was conducted on **23.12.2024.**
6. The BoS for the Faculty of Management Studies was conducted on **06.01.2025.**
7. The BoS for the Faculty of Science and Humanities was conducted on **03.02.2025.**

Item25.SCM/12.3: Agenda Finalization for 12th Academic Council

Points for Discussion	Action Planned	Responsibility Assigned	Target Date
Item25.AC/12.3.1:	Increasing Intake for B.E (CSE, ECE), B.Tech (IT, AIDS)	Prof.J.Zahariya Gabriel	31.04.2025
Item25.AC/12.3.2:	Closure of the course: CSBS, Civil, AIML	Prof.J.Zahariya Gabriel	31.04.2025

The meeting came to a close with a vote of thanks by Dr. Jainul Fathima , HoD/AIML.

4/2/25.

Prepared By
Dr. P. Kannan
Professor Academics

4/2/25

Approved By
Dr.V.Velmurugan
Principal
Francis Xavier Engineering College

Members Present:

Sl. No	Name	Designation	Position in Standing Council	Signature
1	Dr. V. Velmurugan	Principal, Francis Xavier Engineering College	Chairman	
2	Dr. P. Kannan	Professor /Academics	Member Secretary	
3	Prof. J. Samuel Prabaharan	Assistant Professor & Head – Civil	Chair persons of BOS	
4	Dr. G. Aravind Swaminathan	Professor & Head – CSE		
5	Prof. J. Friska	Asso. Professor & Head - ECE		
6	Dr. A. Ravi	Professor & Head – EEE		
7	Dr. R. Samuel Hansen	Professor & Head - MECH		
8	Dr. D. Annie Rose Nirmala	Asso. Professor & Head -MBA		
9	Prof. Shala F John	Ass. Professor / English & Head –S&H		
10	Dr. L. R. Priya	Professor & Mentor Head /ECE	Members	
11	Dr. G. Rajakumar	COE & Professor /ECE		
12	Dr. J. B Shajilin Leoret	Professor /TSD		
13	Dr. M. Caroline Viola Stella Mary	Professor, ERP & Head - IT		
14	Dr. A. Anitha	Professor & Head - AI&DS		
15	Dr. S. Gomathy	Professor & Head -CSBS		
16	Prof.D. Angeline Ranjithamani	Asso. Professor & Head - MCA		
17	Dr. A. Jainual Fathima	Asso. Professor & Head – CSE(AI&ML)		

Members Absent:

Sl.No	Name	Designation	Position in Standing Council	Signature
1	Dr. K. Jeya Kumar	Professor, Department of Mechanical Engineering, SCAD College of Engineering and Technology SCAD Group of Institutions.	Academic Expert Member	–

STANDING COMMITTEE FOR 12th ACADEMIC COUNCIL

Date & Time: 04.02.2025&11.30 AM Venue: Conference Hall

Attendance Sheet

Sl.No	Name	Designation	Position in Academic Council	Signature
1	Dr.V. Velmurugan	Principal, Francis Xavier Engineering College	Chairman	
2	Dr.K. Jeya Kumar	Professor, Department of Mechanical Engineering, SCAD College of Engineering and Technology SCAD Group of Institutions.	Academic Expert Member	ABSENT
3	Dr.P. Kannan	Professor /Academics	Member Secretary	
4	Prof. J.Samuel Prabaharan	Assistant Professor & Head – Civil	Chair persons of BOS	
5	Dr.G.Aravind Swaminathan	Professor & Head – CSE		
6	Prof. J. Friska	Asso. Professor& Head - ECE		
7	Dr. A. Ravi	Professor & Head– EEE		
8	Dr.R.Samuel Hansen	Professor & Head - MECH		
9	Dr. D.Annie Rose Nirmala	Asso. Professor& Head -MBA		for P.S
10	Prof.Shala F John	Asso. Professor / English & Head –S&H		
11	Dr.L.R. Priya	Professor& Mentor Head /ECE	Members	
12	Dr.G. Rajakumar	COE & Professor /ECE		
13	Dr. J. B Shajilin Leoret	Professor /TSD		
14	Dr. M. Caroline Viola Stella Mary	Professor, ERP & Head - IT		
15	Dr. A. Anitha	Professor & Head - AI&DS		
16	Dr. S. Gomathy	Professor & Head -CSBS		
17	Prof.D. Angeline Ranjithamani	Asso. Professor & Head - MCA		
18	Dr. Jainual Fathima	Asso. Professor & Head - CSE(AI&ML)		

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FXEC/IQAC /ACM /24-25/EVEN/Cir/Jan-01 **Date:31.01.2025**

Circular

The 12th Academic Council Meeting is scheduled on 05.02.2025(Wednesday) at 11.30am in Conference Hall. All the members are cordially invited to attend the meeting.

AGENDA

- **Item 25.AC/12.1**: To confirm the Action taken report of the previous AC held on 15.07.2024
- **Item 25.AC/12.2**: Proceedings of the 12th BOS
- **Item 25.AC/12.3**: Points for Discussion – Course details for academic year 2025-26
- **Item 25.AC/12.4:** Institutional Performance Overview
- **Item 25.AC/12.5:** Any other Points for discussion

31/1/25

Professor Academics

31/1/25

Principal

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Tirunelveli - 627 003.

To:

All Academic Council members

All HoD's

Copy to:

The Chairman

The General Manager (D)

The General Manager (A)

The IQAC Director

All M-Team Members

The File

FRANCIS XAVIER ENGINEERING COLLEGE (AUTONOMOUS) VANNARPETTAI TIRUNELVELI 627 003

12th ACADEMIC COUNCIL MEETING

Date: 05.02.2025
Time: 11.30 AM

Venue: Conference Hall

AGENDA

Prayer	Prof.Friska.J. HOD / ECE
Welcome Address	Mrs.Shala F.John / Prof. English
Item No. : 1 Previous Academic council Meeting action taken report	Dr.P.Kannan Professor Academics – Ex- Officio Member
Item No. : 2 Proceedings of the 12th BOS	BOS Chairman of Concern Programme
Item No. : 3 Points of discussion – Course details for the Academic year 2025-26.	
Item No. : 4 Institutional performance – Overview.	
Item No. : 5 Any other matter for discussion	
Vote of Thanks	Dr.D.Annie Rose Nirmala HOD /MBA

FRANCIS XAVIER ENGINEERING COLLEGE (AUTONOMOUS) VANNARPETTAI TIRUNELVELI 627 003

29/11/25

PRINCIPAL

PRINCIPAL
Francis Xavier Engineering College
(An Autonomous Institution)
408, G/2, By-Pass Road, Vannarpettai,
Tirunelveli - 627 003.

FXEC/IQAC/ACM/24-25/EVEN/MoM/Feb-01

Date: 05:02:2025

Minutes of Academic Council Meeting

Date & Time: **05:02:2025**

Venue: Conference Hall

The 12th Academic Council meeting was conducted on 05.02.2025 at 11.30 am.

Members of ACM:

Sl.No	Name	Designation	Position in Academic Council
1	Dr. V. Velmurugan	Principal ,Francis Xavier Engineering College	Chairman
2	Dr.N. Shenbaga Vinayaga Moorthi	Professor and Dean, Anna University Regional Campus-Tirunelveli	University Nominee
3	Dr. T. Sree Renga Raja	Professor, Department of Electrical and Electronics Engineering, University College of Engineering, Konam, Nagercoil.	University Nominee
4	Dr.C.K. Babulal	Professor & Head, Department of Electrical and Electronics Engineering, Thiyagarajar College of Engineering, Madurai.	University Nominee
5	Dr. Balaji Venkataraman	President, TVS Sensing Solutions Private Limited (Formerly ZF Electronics TVS (India) Private Limited) Madurai – 625 122	Industrial Expert
6	Mr. Rajendran	President - Allience Tyre Group, ATG tyre, Yokohama Rubber Company, Sipcot Industrial Growth, Centre, Gangaikondan, Tirunelveli.	Industrial Expert
7	Dr. K Sivakumar	Dean - PDS, Sr. Professor, Dept. of Mechanical Engineering, Bannari Amman Institute of Technology, Erode	Academic Expert Member
8	Dr.K. Jeya Kumar	Professor, Department of Mechanical Engineering, SCAD College of Engineering and Technology	Academic Expert Member
9	Dr. P. Kannan	Professor /Academics	Member Secretary
10	Dr.L.R. Priya	Professor & Mentor Head / ECE	Member

11	Dr. G. Rajakumar	COE & Professor /ECE Department	Member
12	Dr. J.B. Shajilin Loret	Asso. Professor & Head - TSD	Member
13	Prof.J. Zahariya Gabriel	Asso. Professor / CSE Department & Campus Manager	Member
14	Prof.David Ayling	Asso. Professor / English – Image Building	Member
15	Dr. M. Caroline Viola Stella Mary	Professor/ HOD IT	Member
16	Prof. J. Samuel Prabaharan	Assistant Professor & Head - Civil	BOS Chairman
17	Dr. G. Aravind Swaminathan	Professor & Head - CSE	
18	Prof. J. Friska	Asso. Professor & Head - ECE	
19	Dr. A. Ravi	Professor & Head - EEE	
20	Dr. R. Samuel Hansen	Professor & Head - MECH	
21	Dr. D. Annie Rose Nirmala	Asso. Professor & Head -MBA	
22	Prof. Shala F John	Ass. Professor & Coordinator S&H	
23	Dr.S. Gomathi	Professor & Head - CSBS	Member
24	Dr. A. Anitha	Professor & Head - AI&DS	Member
25	Dr. A. Jainul Fathima	Professor & Head - AI&ML	Member
26	Prof.D. Angeline Ranjitha Mani	Asso. Professor & Head - MCA	Member
27	Dr. Lourdes Poobala Rayan	Professor/Entrepreneurship and Development Cell	Special Invitee
28	Mr. Krishnakumar	General Manager (Administration), SCAD Group of Institution	Special Invitee
29	Dr. AnnaPandi	Professor /Placement & Industry Institute Interaction	Special Invitee
30	Dr. J. Jasper Gnana Chandren	Director, IQAC	Special Invitee

11	Dr. G. Rajakumar	COE & Professor /ECE Department	Member
12	Dr. J.B. Shajilin Loret	Asso. Professor & Head - TSD	Member
13	Prof.J. Zahariya Gabriel	Asso. Professor / CSE Department & Campus Manager	Member
14	Prof.David Ayling	Asso. Professor / English – Image Building	Member
15	Dr. M. Caroline Viola Stella Mary	Professor/ HOD IT	Member
16	Prof. J. Samuel Prabaharan	Assistant Professor & Head - Civil	BOS Chairman
17	Dr. G. Aravind Swaminathan	Professor & Head - CSE	
18	Prof. J. Friska	Asso. Professor & Head - ECE	
19	Dr. A. Ravi	Professor & Head - EEE	
20	Dr. R. Samuel Hansen	Professor & Head - MECH	
21	Dr. D. Annie Rose Nirmala	Asso. Professor & Head -MBA	
22	Prof. Shala F John	Ass. Professor & Coordinator S&H	
23	Dr.S. Gomathi	Professor & Head - CSBS	Member
24	Dr. A. Anitha	Professor & Head - AI&DS	Member
25	Dr. A. Jainul Fathima	Professor & Head - AI&ML	Member
26	Prof.D. Angeline Ranjitha Mani	Asso. Professor & Head - MCA	Member
27	Dr. Lourdes Poobala Rayan	Professor/Entrepreneurship and Development Cell	Special Invitee
28	Mr. Krishnakumar	General Manager (Administration), SCAD Group of Institution	Special Invitee
29	Dr. AnnaPandi	Professor /Placement & Industry Institute Interaction	Special Invitee
30	Dr. J. Jasper Gnana Chandren	Director, IQAC	Special Invitee

Agenda:

- **Item 25.AC/12.1**: To confirm the Action taken report of the previous AC held on **15.07.2024**
- **Item 25.AC/12.2**: Proceedings of the 12th BOS
- **Item 25.AC/12.3**: Points for Discussion - Programme intake details for the academic year 2025-2026
- **Item 25.AC/12.4:** Institutional Performance Overview
- **Item 25.AC/12.5:** Any other Points for discussion

Opening Protocol:

The 12th ACM started with the prayer by Prof. J. Friska, HOD/ECE.

Mrs. D. Angeline Ranjitha Mani, HOD/MCA department welcomed the members of the ACM.

Dr. P. Kannan, Prof, Academics briefed the agenda of the meeting and the deliberations of 12th Academic Council Meeting.

Item 24.AC/12.1: To confirm the Action taken report of the previous ACM held on 15.07.2024

Item24.AC/12.1 - Action taken for the previous AC held on 15.07.2024	Action Taken
Item24.AC/11.3 Points for Discussion and Approval: Regulation R 2024 B.E/B.Tech M.E/M.Tech M.B.A M.C.A	The 2024 regulations for undergraduate (UG) and postgraduate (PG) programs have been drafted in accordance with the National Education Policy (NEP) and Anna University guidelines. The curriculum for UG programs, including the courses for the first and second semesters, has been developed and submitted to the Board of Studies (BoS) of the respective programs

The Academic Council approved the same.

Item 25.AC/12.2: Compilation of key points from the 12th BOS proceedings

- The BoS for the programmes Computer Science and Engineering, Computer Science and Business System, Artificial Intelligence, Information Technology, Master of Computer Applications and Computer Science Engineering Artificial intelligence & Machine Learning was conducted on **25.01.2025**
- The BoS for the Faculty of Civil Engineering was conducted on **21.12.2024**.
- The BoS for the Faculty of Electrical and Electronics Engineering was conducted on **20.12.2024**.
- The BoS for the Faculty of Electronics and Communication Engineering was conducted on **20.12.2024**.
- The BoS for the Faculty of Mechanical Engineering was conducted on **23.12.2024.**
- The BoS for the Faculty of Management Studies was conducted on 06.01.2025.
- The BoS for the Faculty of Science and Humanities was conducted on 03.02.2025.

Approved points of proposals from various Boards.

- The list of NPTEL courses of R-2021 for all UG departments was presented and approved by the board.***(Annexure I)***
- The list of SVAC courses of R-2024for all UG departments was presented and approved by the board.***(Annexure II)***
- Curriculum and syllabus of R-2024 3rd and 4th semester for all UG and PG departments were presented and approved by the board.
- The EEE Board has finalized Electric Vehicles as the Minor Honor Degree.
- The ECE Board has finalized VLSI Design as the Minor Honor Degree.

The Academic Council resolved to approve the same.

Item 25.AC/12.3:Points for Discussion – Programme intake details for the academic year 2025-2026

Points for Discussion and Approval	Action Planned	Responsibility Assigned	Target Date
Item 25.AC/12.3.1:	Increasing Intake for B.E (CSE, ECE), B.Tech (IT, AIDS)	Prof.J.Zahariya Gabriel	31.04.2025
Item 25.AC/12.3.2:	Closure of the course: CSBS, Civil, AIML	Prof.J.Zahariya Gabriel	31.04.2025

Item 25.AC/12.4: Presented the Institutional Performance Overview such as

- The SAR report to the National Board of Accreditation was submitted for 5 departments.
- The visit dates for NBA are proposed as (Three days per slot- Total 5 slot) first slot- 28/02/2025 to 02/03/2025, last slot 11/04/2025 to 13/04/2025.
- The Department of Electronics and Communication Engineering has submitted an application for the renewal of its research centre.
- The institution has been awarded an 'A' rating as a valuable Local Chapter, based on the performance in NPTEL
- The EDC Director, Dr. Lourdes Poobala Rayen, along with eight faculty members, received an Appreciation Letter from IIC.
- The institution has been provisionally selected under the AICTE IDEA 2024-2025 based on the recommendation of the expert committee.
- The institution has received the following awards and ranking.
    - Career 360
    - IIRF Rankings 2024
    - Competition Success Review
    - India Today
    - India Best B-School

The Academic Council appreciated the recognitions received and the initiatives taken.

Item 25.AC/12.5: Any other points of discussion.

- It was suggested to add Six Sigma topics into Design Thinking syllabi.
- The council suggested reworking on the syllabus content and the credit allocation for the Design Thinking course.
- The council suggested ensuring the basic core element papers are added into the syllabus while framing the curriculum.
- The allocation of Theory cum practical courses and the number of laboratory courses in each semester may be reconsidered to ease the pressure on students.

The meeting came to a close with a vote of thanks by Mrs. D. Annie Rose Nirmala HoD/M.B. A

5/2/25.

Prepared By

Dr. P. Kannan
Professor Academics

FRANCIS XAVIER ENGINEERING COLLEGE (AUTONOMOUS) VANNARPETTAI TIRUNELVELI 627 003

Approved By 5/2/25

Dr. V. Velmurugan
Principal
Francis Xavier Engineering College

Item 25.AC/12.4: Presented the Institutional Performance Overview such as

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- The council suggested ensuring the basic core element papers are added into the syllabus while framing the curriculum.
- The allocation of Theory cum practical courses and the number of laboratory courses in each semester may be reconsidered to ease the pressure on students.

The meeting came to a close with a vote of thanks by Mrs. D. Annie Rose Nirmala HoD/M.B.A.

5/2/25.

Prepared By

Dr. P. Kannan
Professor Academics

FRANCIS XAVIER ENGINEERING COLLEGE (AUTONOMOUS) VANNARPETTAI TIRUNELVELI 627 003

5/2/25

Approved By

Dr. V. Velmurugan
Principal
Francis Xavier Engineering College

Members Present:

Sl.No	Name	Designation	Position in Academic Council	Signature
1	Dr. V. Velmurugan	Principal, Francis Xavier Engineering College	Chairman	
2	Dr.N. Shenbaga Vinayaga Moorthi	Professor and Dean, Anna University Regional Campus-Tirunelveli	University Nominee	
3	Dr. T. Sree Renga Raja	Professor, Department of Electrical and Electronics Engineering, University College of Engineering, Konam, Nagercoil.	University Nominee	
4	Dr.C.K. Babulal	Professor & Head, Department of Electrical and Electronics Engineering, Thiyagarajar College of Engineering, Madurai.	University Nominee	
5	Mr. Rajendran	President - Allience Tyre Group, ATG tyre, Yokohama Rubber Company, Sipcot Industrial Growth, Centre, Gangaikondan, Tirunelveli.	Industrial Expert	
6	Dr. K. Jeya Kumar	Professor, Department of Mechanical Engineering, SCAD College of Engineering and Technology	Academic Expert Member	
7	Dr. P. Kannan	Professor /Academics	Member Secretary	
8	Dr.L.R. Priya	Professor & Mentor Head / ECE	Member	
9	Dr. G. Rajakumar	COE & Professor /ECE Department	Member	
10	Dr. J.B. Shajilin Loret	Asso. Professor & Head - TSD	Member	
11	Prof.J. Zahariya Gabriel	Asso. Professor / CSE Department & Campus Manager	Member	
12	Prof.David Ayling	Asso. Professor / English – Image Building	Member	
13	Dr. M. Caroline Viola Stella Mary	Professor& Head - IT	Member	

14	Prof. J. Samuel Prabaharan	Assistant Professor & Head - Civil	BOS Chairman.	
15	Dr. G. Aravind Swaminathan	Professor & Head - CSE		
16	Prof. J. Friska	Asso. Professor & Head - ECE		
17	Dr. A. Ravi	Professor & Head - EEE		
18	Dr. R. Samuel Hansen	Professor & Head - MECH		
19	Dr. D. Annie Rose Nirmala	Asso. Professor & Head -MBA		
20	Prof. Shala F John	Ass. Professor & Coordinator S&H		
21	Dr.S. Gomathi	Professor & Head - CSBS	Member	
22	Dr. A. Anitha	Professor & Head - AI&DS	Member	
23	Dr. A. Jainul Fathima	Professor & Head - AI&ML	Member	
24	Prof.D. Angeline Ranjitha Mani	Asso. Professor & Head - MCA	Member	
25	Dr. Lourdes Poobala Rayan	Professor/Entrepreneurship and Development Cell	Special Invitee	
26	Mr. Krishnakumar	General Manager (Administration), SCAD Group of Institution	Special Invitee	
27	Dr. AnnaPandi	Professor /Placement & Industry Institute Interaction	Special Invitee	
28	Dr. J. Jasper Gnana Chandren	Director, IQAC	Special Invitee	

Members Absent:

Sl.No	Name	Designation	Position in ACM
1	Dr. Balaji Venkataraman	President, TVS Sensing Solutions Private Limited (Formerly ZF Electronics TVS (India) Private Limited) Madurai – 625 122	Industrial Expert
2	Dr. K Sivakumar	Dean - PDS, Sr. Professor, Dept. of Mechanical Engineering, Bannari Amman Institute of Technology, Erode	Academic Expert Member

FRANCIS XAVIER
ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION
ACCREDITED BY NBA | DST-FIST Supported Institution
Vannarpettai, Tirunelveli

12th ACADEMIC COUNCIL MEETING -ATTENDANCE SHEET

Date & Time: 05.02.2025& 11.00 a.m. Venue: Conference Hall

Sl. No	Name	Designation	Position in Academic Council	Sign
1	Dr. V. Velmurugan	Principal,Francis Xavier Engineering College	Chairman	
2	Dr.N. Shenbaga Vinayaga Moorthi	Professor and Dean, Anna University Regional Campus-Tirunelveli	University Nominee	
3	Dr. T. Sree Renga Raja	Professor, Department of Electrical and Electronics Engineering, University College of Engineering, Konam, Nagercoil.	University Nominee	
4	Dr.C.K. Babulal	Professor & Head, Department of Electrical and Electronics Engineering, Thiyagarajar College of Engineering, Madurai.	University Nominee	
5	Dr. Balaji Venkataraman	President TVS Sensing Solutions Private Limited (Formerly ZF Electronics TVS (India) Private Limited) Madurai – 625 122,	Industrial Expert	
6	Mr. Rajendran	President - Allience Tyre Group, ATG tyre, Yokohama Rubber Company, Sipcot Industrial Growth, Centre, Gangaikondan, Tirunelveli.	Industrial Expert	
7	Dr. K Sivakumar	Dean - PDS, Sr. Professor, Dept. of Mechanical Engineering, Bannari Amman Institute of Technology, Erode	Academic Expert Member	
8	Dr.K. Jeya Kumar	Professor, Department of Mechanical Engineering, SCAD College of Engineering and Technology	Academic Expert Member	

9	Dr. P. Kannan	Professor /Academics	Member Secretary	
10	Dr.L.R. Priya	Professor& Mentor Head/ECE	Member	
11	Dr. G. Rajakumar	COE & Professor /ECE Department	Member	
12	Dr.J.B. Shajilin Loret	Professor & Head - TSD	Member	
13	Prof.J. Zahariya Gabriel	Asso. Professor / CSE Department & Campus Manager	Member	
14	Prof.David Ayling	Asso. Professor / English	Member	
15	Dr. M. Caroline Viola Stella Mary	Professor, ERP Head & Head – IT dept	Member	
16	Prof. J. Samuel Prabaharan	Assistant Professor & Head - Civil	BOS Chairman	
17	Dr. G. Aravind Swaminathan	Professor & Head - CSE		
18	Prof. J. Friska	Asso. Professor & Head - ECE		
19	Dr. A. Ravi	Professor & Head - EEE		
20	Dr. R. Samuel Hansen	Professor & Head - MECH		
21	Dr. D. Annie Rose Nirmala	Asso. Professor & Head - MBA		
22	Prof. Shala F John	Assistant Professor & Coordinator S & H		
23	Dr.S. Gomathi	Professor & Head - CSBS	Member	
24	Dr. A. Anitha	Professor & Head - AI&DS	Member	

25	Dr. A.Jainul Fathima	Professor & Head - AI&ML	Member	
26	Prof.D. Angeline Ranjitha Mani	Asso. Professor & Head - MCA	Member	
27	Dr. Lourdes Poobala Rayan	Professor/Entrepreneurship and Development Cell	Special Invitee	
28	Mr. Krishnakumar	General Manager (Administration), SCAD Group of Institution	Special Invitee	
29	Dr. AnnaPandi	Professor /Placement & Industry Institute Interaction	Special Invitee	
30	Dr. J. Jasper Gnana Chandren	Director, IQAC	Special Invitee	

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List of NPTEL Courses Approved by Board of Studies

2024-2025 Even Semester

Annexure -I

Department of Civil Engineering

SNo	Course Code	Course Name	Offered by	Week
1	noc25-ce16	Energy Efficiency, Acoustics and Daylighting in Building	IIT Delhi	12 weeks
2	noc25-ce19	Environmental Remediation of Contaminated Sites	IIT Roorkee	12 weeks
3	noc25-ce23	Geographic Information Systems	IIT Roorkee	12 weeks
4	noc25-ce28	Geo-synthetics and Reinforced Soil Structures	IIT Madras	12 weeks
5	noc25-ce38	Maintenance and Repair of Concrete Structures	IIT Madras	12 weeks
6	noc25-ce46	Remote Sensing and GIS for Rural Development	IIT Bombay	12 weeks
7	noc25-ce49	Retrofitting and Rehabilitation of Civil Infrastructure	IIT Kharagpur	12 weeks
8	noc25-ce57	Surface Water Hydrology	IIT Kharagpur	12 weeks
9	noc25-ce62	Urban Transportation Systems Planning	IIT Kharagpur	12 weeks
10	noc25-ce63	Water and Waste Water Treatment	IIT Roorkee	12 weeks
11	noc25-ge11	Entrepreneurship Essentials	IIT Kharagpur	12 weeks
12	noc25-ge16	Groundwater hydrology and management	IIT Bombay	12 weeks
13	noc25-ge31	Rural Water Resources Management	IIT Bombay	12 weeks

Department of CSBS

SNo	Course Code	Course Name	Offered by	Week
1.	noc25-cs08	Blockchain and its Applications	IIT Kharagpur	12 Weeks
2.	noc25-cs09	Business Intelligence & Analytics	IIT Madras	12 Weeks
3.	noc25-cs11	Cloud Computing	IIT Kharagpur	12 Weeks

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4.	noc25-cs21	Deep Learning	IIT Ropar	12 Weeks
5.	noc25-cs44	Introduction To Internet Of Things	IIT Kharagpur	12 Weeks
6.	noc25-cs65	Social Networks	IIT Madras	12 Weeks
7.	noc25-hs47	An Introduction to Microeconomics	IIT Kanpur	12 Weeks
8.	noc25-mg38	Leadership and Team Effectiveness	IIT Roorkee	12 Weeks
9.	noc25-mg45	Marketing Analytics	IIT Kharagpur	12 Weeks
10	noc25-mg01	Advanced Financial Analytics	IIT Kanpur	12 Weeks

Department: COMPUTER SCIENCE AND ENGINEERING

SNo	Course Code	Course Name	Offered by	Week
1.	noc25-cs01	Advanced Computer Architecture	IIT Delhi	12 Weeks
2.	noc25-cs08	Blockchain and its Applications	IIT Kharagpur	12 Weeks
3.	noc25-cs09	Business Intelligence & Analytics	IIT Madras	12 Weeks
4.	noc25-cs17	Data Analytics with Python	IIT Roorkee	12 Weeks
5.	noc25-cs21	Deep Learning - IIT Ropar	IIT Ropar	12 Weeks
6.	noc25-cs30	Embedded Systems Design	IIT Kharagpur	12 Weeks
7.	noc25-cs37	GPU Architectures and Programming	IIT Kharagpur	12 Weeks
8.	noc25-cs38	Human Computer Interaction	IIIT Delhi	12 Weeks
9.	noc25-cs43	Introduction To Industry 40 And Industrial Internet Of Things	IIT Kharagpur	12 Weeks
10.	noc25-cs44	Introduction To Internet Of Things	IIT Kharagpur	12 Weeks
11.	noc25-cs51	Natural Language Processing	IIT Kharagpur	12 Weeks
12.	noc25-cs58	Programming in Modern C++	IIT Kharagpur	12 Weeks
13.	noc25-cs65	Social Networks	IIT Ropar	12 Weeks

14.	noc25-cs79	Privacy and Security in Online Social Media	IIIT Hyderabad	12 Weeks
15.	noc25-cs52	Object Oriented System Development Using UML, Java And Patterns	IIT Kharagpur	12 Weeks

Department - Electronics and Communication Engineering

SlNo	Course Code	Course Name	Offered By	Week
1	noc25-cs08	Blockchain and its Applications	IIT Kharagpur	12 Weeks
2	noc25-cs11	Cloud Computing	IIT Kharagpur	12 Weeks
3	noc25-cs16	Cryptography and Network Security	IIT Kharagpur	12Weeks
4	noc25-cs41	Introduction to Embedded System Design	IIT Delhi	12Weeks
5	noc25-cs73	VLSI Physical Design	IIT Kharagpur	12 Weeks
6	noc25-ee08	Basics of Semiconductor Microwave Devices	IISc Bangalore	12 Weeks
7	noc25-ee09	Biomedical Signal Processing	IIT Kharagpur	12 Weeks
8	noc25-ee12	Communication Networks	IIT Kharagpur	12 Weeks
9	noc25-ee13	Computer Vision And Image Processing - Fundamentals And Applications	IIT Guwahati	12 Weeks
10	noc25-ee25	Digital VLSI Testing	IIT Kharagpur	12 Weeks
11	noc25-ee58	Optical Fiber Sensors	IIT Madras	12 Weeks
12	noc25-ee59	Optical Wireless Communications for Beyond 5G Networks and IoT	IIT Madras	12 Weeks
13	noc25-ee61	Photonic integrated circuit	IISc Bangalore	12 Weeks
14	noc25-ee76	Sensors and Actuators	IISc Bangalore	12 Weeks
15	noc25-ee82	Transducers for Instrumentation	IIT Delhi	12 Weeks

Department – Electrical & Electronics Engineering

Sl.NO	Course Code	Course Name	Offered by	Week

1	noc25-ee14	Computer-Aided Design of Electrical Machines	IIT Kharagpur	12 Weeks
2	noc25-ee18	Design and Analysis of VLSI Subsystems	IIT Kharagpur	12 Weeks
3	noc25-ee21	Digital IC Design	IIT Kharagpur	12 Weeks
4	noc25-ee24	Digital System Design	IIT Delhi	12 Weeks
5	noc25-ee25	Digital VLSI Testing	IIT Kharagpur	12 Weeks
6	noc25-ee31	Embedded Sensing, Actuation and Interfacing Systems	IISc Bangalore	12 Weeks
7	noc25-ee42	Industrial Automation and Control	IIT Kharagpur	12 Weeks
8	noc25-ee51	Modern Computer Vision	IIT Kharagpur	12 Weeks
9	noc25-ee57	Operation and Planning Of Power Distribution Systems	IIT Guwahati	12 Weeks
10	noc25-ee63	Power Management Integrated Circuits	IIT Kharagpur	12 Weeks
11	noc25-ee74	Semiconductor device modeling and Simulation	IIT Madras	12 Weeks
12	noc25-ee79	Smart Grid: Basics to Advanced Technologies	IIT Madras	12 Weeks
13	noc25-ee02	Advance Power Electronics	IISc Bangalore	12 Weeks
14	noc25-ee66	Power System Dynamics, Control and Monitoring	IISc Bangalore	12 Weeks
15	noc25-ee75	Semiconductor Devices for Next Generation Field Effect Transistors (More than Moore): A Physics Perspective	IIT Delhi	12 Weeks

Department - Mechanical Engineering

SNo	Course Code	Course Name	Offered by	week
1	noc25_me64	Principles of Industrial Engineering	IIT Roorkee	12 Weeks
2	noc25-me11	Computer Integrated Manufacturing	IIT Kanpur	12 Weeks
3	noc25-me43	Introduction To Mechanical Micro Machining	IIT Kharagpur	12 Weeks
4	noc25-me58	Oil Hydraulics and Pneumatics	IIT Madras	12 Weeks

5	noc25-me67	Product Design and Manufacturing	IIT Kanpur	12 Weeks
6	noc25-me38	Industrial Hydraulics and Automation	IIT (ISM) Dhanbad	12 Weeks
7	noc25-me02	Advanced Machining Processes	IIT Kanpur	12 Weeks
8	noc25-mm31	Welding Processes	IIT Madras	12 Weeks
9	noc25_me56	Noise Management & Control	IIT Kanpur	12 Weeks
10	noc25_me03	Advanced Measurement Techniques in Fluid Mechanics and Heat Transfer	IISc Bangalore	12 Weeks
11	noc25_ch10	Characterization of Polymers, Elastomers and Composites	IIT Kharagpur	12 Weeks
12	noc25_bt18	Environmental Chemistry and Microbiology	IIT Kharagpur	12 Weeks

Department of AI& DS

SNo	Course Code	Course Name	Offered by	week
1	noc25-cs69	The Joy of Computing using Python	IIT Roorkee	12 Weeks
2	noc25-cs63	Secure Computation: Part I	IIT Kanpur	12 Weeks
3	noc25-cs79	Privacy and Security in Online Social Media	IIT Kharagpur	12 Weeks
4	noc25-cs16	Cryptography and Network Security	IIT Madras	12 Weeks
5	noc25-cs70	Theory of Computation	IIT Kanpur	12 Weeks
6	noc25-cs43	Introduction To Industry 40 And Industrial Internet Of Things	IIT (ISM) Dhanbad	12 Weeks
7	noc25-cs65	Social Networks	IIT Kanpur	12 Weeks
8	noc25-cs16	Cryptography and Network Security	IIT Madras	12 Weeks
9	noc25-cs36	Getting Started with Competitive Programming	IIT Kanpur	12 Weeks
10	noc25-cs58	Programming in Modern C++	IISc Bangalore	12 Weeks
11	noc25-cs37	GPU Architectures and Programming	IIT Kharagpur	12 Weeks
12	noc25-cs45	Introduction to Large Language Models (LLMs)	IIT Kharagpur	12 Weeks

13	noc25-mg57	Safety and Risk Analytics	IIT Roorkee	12 Weeks
Department of Information Technology				
1	noc24_ cs129	The Joy of Computing using Python	IIT Ropar	12 Weeks
2	noc24_ mg201	Business Intelligence & Analytics	IIT Madras	12 Weeks
3	noc24_ cs231	Computer Vision And Image Processing - Fundamentals And Applications	IIT Guwahati	12 Weeks
4	noc24_ cs307	Deep Learning for Natural Language Processing	IIT Kharagpur	12 Weeks
5	noc24_ cs215	High Performance Scientific Computing	IIT Bombay	12 Weeks
6	noc24_ cs216	Human Computer Interaction	IIT Delhi	12 Weeks
7	noc24_ cs229	Image Processing Using Python	Swami Vivekanand Technical University	12 Weeks
8	noc24_ cs301	Parallel Computer Architecture	IIT Guwahati	12 Weeks
9	noc24_ cs302	Practical High-Performance Computing	IIT Kanpur	12 Weeks
10	noc24_ cs217	Privacy and Security in Online Social Media	IIIT Hyderabad	12 Weeks
11	noc24_ cs308	Reinforcement Learning	IIT Madras	12 Weeks
12	noc24_ cs130	Data Analytics Using Python	IIT Kanpur	12 Weeks
Department of MCA				
1	noc24-cs01	Foundations of Cryptography	12 Weeks	IIT Ropar
2	noc24-cs02	Introduction to programming in C	8 Weeks	Indian Institute of Technology Madras
3	noc24-cs08	An Introduction to Artificial Intelligence	12 Weeks	IIT Guwahati
4	noc24-cs09	Cloud Computing and Distributed Systems	8 Weeks	IIT Kharagpur

5	noc24-cs14	Artificial Intelligence: Knowledge Representation And Reasoning	12 Weeks	IIT Bombay
6	noc24-cs15	Blockchain and its Applications	12 Weeks	IIT Delhi
7	noc24-cs17	Cloud Computing	12 Weeks	Swami Vivekanand Technical University
8	noc24-cs20	Data Analytics with Python	12 Weeks	IIT Guwahati
9	noc24-cs21	Data Base Management System	8 Weeks	IIT Kanpur
10	noc24-cs22	Data Mining	8 Weeks	IIIT Hyderabad
11	noc24-cs26	Foundation of Cloud IoT Edge ML	8 Weeks	IIT Madras
12	noc24-cs28	Fundamental Algorithms: Design And Analysis	4 Weeks	IIT Kanpur
13	noc24-cs29	Getting Started with Competitive Programming	12 Weeks	IIT Kharagpur
14	noc24-cs32	Introduction to Automata, Languages and Computation	12 Weeks	IIT Bombay
15	noc24-cs34	Introduction To Industry 40 And Industrial Internet Of Things	12 Weeks	IIT Delhi
16	noc24-cs38	Machine Learning for Engineering and science applications	12 Weeks	IIT Delhi
17	noc24-cs42	Problem Solving Through Programming In C	12 Weeks	IIT Guwahati
18	noc24-cs44	Programming in Modern C++	12 Weeks	IIT Kanpur
19	noc24-cs51	Introduction to Machine Learning	12 Weeks	IIIT Hyderabad
20	noc24-cs55	Introduction to Database Systems	12 Weeks	IIT Madras
21	noc24-cs57	The Joy of Computing using Python	12 Weeks	IIT Kanpur
22	noc24-cs59	Deep Learning - IIT Ropar	12 Weeks	IIT Guwahati
23	noc24-cs64	Games and Information	12 weeks	IIT Kanpur

Department of MBA

S No	Course ID	COURSE NAME	Offered by	Duration

1	noc25-mg02	Advanced Financial Instruments for Sustainable Business and Decentralized Markets	IIT Kanpur	12 Weeks
2	noc25-mg36	Introduction to Stochastic Processes	IIT Bombay	12 Weeks
3	noc25-mg01	Advanced Financial Analytics	IIT Kanpur	12 Weeks
4	noc25-mg06	AI in Marketing	IIT Roorkee	12 Weeks
5	noc25-mg28	Innovation in Marketing and Marketing of Innovation	IIT Roorkee	12 Weeks
6	noc25-mg26	Global Marketing Management	IIT Roorkee	12 Weeks
7	noc25-mg11	Business Development: From Start to Scale	IIT Madras	12 Weeks
8	noc25-mg13	Business Fundamentals for Entrepreneurs	IIT Bombay	12 Weeks
9	noc25-mg05	AI in Human Resource Management	IIT Guwahati	12 Weeks
10	noc25-mg39	Leadership for India Inc: Practical Concepts and Constructs	IIT Madras	12 Weeks
11	noc25-mg09	Business analytics and data mining Modeling using R	IIT Roorkee	12 Weeks
12	noc25-mg49	Multivariate Procedures with R (in English language)	IIT Kanpur	12 Weeks
13	noc25-mg07	AI in Product Management	IIT Roorkee	12 Weeks
14	noc25-mg55	Quality Design And Control	IIT Kharagpur	12 Weeks

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TRAINING AND SKILL DEVELOPMENT R 2024
SKILL BASED VALUE ADDED COURSE FOR THE BATCH 2024- 2028

Annexure-2

S.No	SEM	DEPT	Code	Course	L	T	P	c
1	II	CSE, IT, AI & DS, CSBS , AIML, ECE, EEE and CIVIL	24CS2SV1	Web Interface Development	0	0	4	2
2	II	MECH	24ME2SV1	Design of Simple Machine Components	0	0	4	2
3	III	CSE, IT, AI & DS, CSBS , AIML	24CS3SV1	Problem Solving using Python	0	0	4	2
4	III	ECE	24EC3SV1	Circuit Design with Active and Passive Components: Hands on	0	0	4	2
5	III	EEE	24EE3SV1	Embedded system design using ARDUNIO	0	0	4	2
6	III	MECH	24ME3SV1	Digital Proto Typing of Machine Elements	0	0	4	2
7	III	CIVIL	24CE3SV1	Practice on 3D Drafting	0	0	4	2
8	IV	CSE, IT, AI & DS, CSBS , AIML	24CS4SV1	Visual Analytics with Power BI and Tableau	0	0	4	2
9	IV	ECE	24EC4SV1	Logic-based Circuit Design	0	0	4	2
10	IV	EEE	24EE4SV1	Graphical system design using Lab View	0	0	4	2

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11	IV	MECH	24ME4SV1	Machine Design using FEA	0	0	4	2
12	IV	CIVIL	24CE4SV1	Quantity Calculation using MS Excel	0	0	4	2
13	V	CSE, IT, AI & DS, CSBS , AIML	24CS5SV1	Building Applications with C# and .NET	0	0	4	2
14	V	ECE	24EC5SV1	Digital Circuit Design and Verilog Modeling	0	0	4	2
15	V	EEE	24EE5SV1	PCB Design using easy EDA	0	0	4	2
16	V	MECH	24ME5SV1	Design of Thermal Systems	0	0	4	2
17	V	CIVIL	24CE5SV1	Project planning and management	0	0	4	2

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