

Opening the Doors to the World of Professional Careers



EARN
While You
 **LEARN**

Founder's Message



Dr. S. Cletus Babu, Ph.D

**Founder Chairman
SCAD Group**

It gives me immense pleasure to see that you have opted **Francis Xavier Engineering College** to pursue your higher education. Since its inception, FXEC has been doing yeoman service in shaping the destiny of young technocrats. We aim to establish benchmarks in academic excellence and holistic development of students to meet career challenges in the increasingly globalized economic conditions. The team of dedicated and highly qualified members of the teaching fraternity with the aid of state-of-the-art Industrial Applied Laboratories will make you build your capabilities in a way that fits your passion and aspiration and make each one of you land on a lucrative job by transmitting their intellectual strength by clutching you with surging love and unshakable faith. The Skill Training provided at various levels will make you master the in-demand professional skills required by the industries and get placed through the campus recruitment drives. It is proved by the placements records every year. More than 684 offer letters have been distributed during the academic year 2022-2023. I feel proud of you for becoming a part of this esteemed institution to make your life joyous and meaningful. I pray that may God Almighty showers his manifold blessing on you to make you a great personality.

Managing Director's Message

I am delighted to see that you have become a part of **Francis Xavier Engineering College**. Having selected Engineering for your career you are going to be called 'Technocrats' because you are the builders of the nation, creators of technology, and the agents of change.

Francis Xavier Engineering College will give you ample opportunities to master engineering, leadership, and managerial skills to make you get systematically transformed into a future-ready professional.

Enroll to be a part of this Institution and feel the difference in all aspects of your life.



Mr.C. Arun Babu
Managing Director
SCAD Group

Correspondent's Message



Mrs. Augusti Marys Priyadarshini
Correspondent
SCAD Group

In a generation where without skills, employment will be scarce, we at Francis Xavier Engineering college, give our topmost priority to skill training. Earlier and even in current days, where colleges give priority to scores and theories, we are proud to say that we give importance to practical technical training to our students by giving them an industrial environment. Be it Artificial Intelligence or Core Departments, when the students pass out from FXEC, they are fully employable with high packages in multi-national and elite companies. Good communication and ethical values are also taught and embedded in our students. Our Alumni are working globally whilst bringing success and laurels to our institution. With a record of best and highest number of placement in this region, FXEC is aiming to sustain it and to make it better every year. I wish the parents, students and the readers all the success.
God Bless



CREATING NEXT-GEN ENGINEERS



Institution Profile

Francis Xavier Engineering College, Tirunelveli, is an Autonomous institution located in the town of Tirunelveli in the state of Tamil Nadu.

FXEC, established in 2000 is now an Autonomous, NBA Accredited, DST-FIST Supported Institution run by St. Xavier's Educational Trust with the vision of empowering budding engineers with technical and entrepreneurial skills enabling them to contribute to the socio-economic augmentation of the nation. The college offers 8 UG Programmes, 7 PG Programmes, and Doctoral Programmes in EEE, ECE, CSE & IT.

The college is **one among the 41 Institutions** across India to become a **Mentor Institution** for assisting 11 Institutions under **AICTE-Margdarshan Scheme**.

The College holds the privileges of Section 2 (f) and 12(B) of UGC Act 1956. The College is **ranked in the Band "EXCELLENT" by ARIIA, Ministry of Education (MoE) Govt. of India** and FXEC is now one of the top 96 Institutions in India. The college is awarded with the **topmost 4-star rating by MoE's Innovation Cell** for building the culture of Innovation and Entrepreneurship among the students. The college is recognized with **PLATINUM Rating by AICTE-CII Survey conducted for Industry Linked Technical Institutions**.

The college has exclusive and high-performance computing labs for R&D activities. More than Rs.3.5+ Crore research funding has been received from different Government Agencies like DST, AICTE, MNRE, ISRO, DRDO. The college offers International Certification programmes in Collaboration with CISCO, AUTO DESK, National Instruments, EMC2, and Oracle Academy. The college has an active MoU with IBM, CDAC, HCL, Sutherland, ICT Academy, Fanuc, Texas Instruments, Trimetric Solutions, CADD Centre, Highway Authority of India, and similar leading companies. It is a member of CII, BAI, FACEAT&P, BNI, YI, CSI, IE, ISTE, IEEE for Industry-Institute Interaction, Centre of Excellence for Big Data Analytics, Cyber Forensics, and Cloud Computing. Further, funds have been received under STTP, PRERANA, SAMRIDHI schemes.





18th Convocation of Francis Xavier Engineering College

"Francis Xavier Engineering College is in the forefront in empowering the students with quality education, skill and ability to become future ready Engineering Professionals". - **Dr. Krishnan Baskar, Director, IIIT, Manipur.**



Great Personalities @ FXEC



His Excellency former President
Dr. A P J Abdul Kalam during his
visit to our Campus.



Dr. K. Sivan

9th Chairman of the Indian Space Research Organisation



Thiru. Dr.K.Rosaiah,

the then Hon'ble Governor of Tamil Nadu

AWARDS & RANKING

FEEL THE PRIDE OF BEING A PART OF AN INSTITUTION WITH INTERNATIONAL ACCLAIM



BAND "EXCELLENT"



The Topmost Star Rating by MoE (Ministry of Education), Govt. of India

FXEC is ranked one among 96 top Institutions in India, by ARIIA, Ministry of Education (MoE), Govt. of India.



**MSME Granted
Host
Institute**



ATAL Tinkering



**Mentor
Institution
for Schools**

"LIFE IS A MATTER OF CHOICES, AND
EVERY CHOICE YOU MAKE MAKES YOU" -JOHN C MAXWELL

FXEC - AN AMAZING CHOICE

MILESTONES & ACHIEVEMENTS

- NBA Accredited Programmes



- FXEC is one among the **41 top Institutions in India** to become a **Mentor Institution for 11 Engineering Colleges** across Tamil Nadu under Margdarshan Scheme - All India Council for Technical Education (AICTE).
- FXEC is a **Mentor Institution to Schools** under AICTE Training and Learning (ATAL) Academy, Atal Innovation Mission, Govt. of India.
- AICTE Sponsored **Entrepreneurship Development Cell**
- Received "**Best College of Engineering in Placements in South Tamil Nadu**" award from the Minister for Higher Education, Government of Tamil Nadu.



- Ministry of Micro, Small & Medium Enterprises (M/o MSME) **Business Incubation Centre**



- Government of Tamil Nadu Sponsored Intellectual Property Rights (IPR) Cell
- Top Prominent and Well-Known Engineering Colleges of India. **Competition Success Review - GHRDC Survey 2022.**



21st Ranking
AMONG THE ENGINEERING
COLLEGES IN INDIA



"AAA" Status
India's Best Engineering Colleges
RATING I SOUTH ZONE

- The Best College of Engineering in South India Award for Skill, Research and Placements 2022 by Integrated Chambers of Commerce and Industry.
- **Eco-Friendly Campus**
Received **Bhumi Awards 2022** for the efforts towards developing sustainable and eco-friendly practices in the campus.



Accelerate your Career Growth

with the Best Platforms Provided to Explore your Creativity

BEYOND ACADEMICS



In-House Start-up Companies





Flexible Learning Environment

- Flexibility in choosing the Courses and Faculty
- Relative Grading & Choice Based Credit System
- Value Added Courses
- Facilitating students to design Products
- Track System / Domain Based Professional Electives.
- Option to opt for courses from other Departments



Industry Supported Curriculum

- MoUs with Multinational Companies for training at par with international standards and curriculum support.
- Industry Supported Courses offered by Industry Experts.



Elements that make YOU Industry-Ready

Credit Transfer System

- To give an international acclaim, Credits earned through Hands on skills and on-line programmes like Swayam / NPTEL shall be transferred for replacement of courses.

Minors / Honours Degree

- Fast Learners can earn additional 18+ credits and get Honours / Minors Degree in any one of the specialization offered along with the regular B.E / B. Tech Degree.

Future Ready Approach

- You can start earning right during the course of study through Internships.
- The Foundational Skills, Department Specific Skills and the Placement Fit Training will support you to compete with your international counterparts.

Vibrant Campus Life

- Clubs, Student Chapters, and Technical Associations actively engage the students for all-round development.

Professional Societies

IEEE, CSI, IEI, ISTE, SAE, CISCO, IE
EC Council, ISRD, FACET, BAI, IGBC



WELCOME TO MALAYSIA

Student Mobility Programme

Building GLOBAL COMPETENCE

Student Mobility Programme (SMP), connects students to rich educational opportunities and promotes global perspectives and cultural sensitivity. Further, it supports students to broaden their skill set, improve interpersonal skills, stronger self-reliance, foreign language proficiency, and confidence in adaptability to new environments.



UPM
UNIVERSITI PUTRA MALAYSIA
BERILMU BERBAKTI

UNIVERSITI PUTRA MALAYSIA
<http://www.upm.edu.my>



BERILMU
BERBAKTI

PROGRAMMES OFFERED

**DELVE INTO THE NEXT-GEN
TECHNOLOGY**

UNDERGRADUATE PROGRAMMES

- B.TECH - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE
- B.TECH - COMPUTER SCIENCE AND BUSINESS SYSTEMS
- B.TECH - INFORMATION TECHNOLOGY
- B.E - CIVIL ENGINEERING
- B.E - COMPUTER SCIENCE AND ENGINEERING
- B.E - ELECTRONICS AND COMMUNICATION ENGINEERING
- B.E - ELECTRICAL AND ELECTRONICS ENGINEERING
- B.E - MECHANICAL ENGINEERING

POSTGRADUATE PROGRAMMES

- MASTER OF BUSINESS ADMINISTRATION (MBA)
- MASTER OF COMPUTER APPLICATIONS (MCA)
- M.E COMPUTER SCIENCE AND ENGINEERING
- M.E COMMUNICATION SYSTEMS
- M.E POWER ELECTRONICS AND DRIVES
- M.E INDUSTRIAL SAFETY ENGINEERING
- M.TECH INFORMATION TECHNOLOGY

DOCTORAL (Ph.D) PROGRAMMES

DEPARTMENT OF ARTIFICIAL Intelligence & DATA SCIENCE

Industry Connect

- Esterling, Chicago
- Maxerator Foundation
- 3i Infotech

Industry Offered Course

- Data Analytics & Machine Learning



Minor Course Offered

- Business Intelligence



Industrial Applied Lab

- Data Science Industrial Applied Lab

Student Internships @ Prominent Companies



B.Tech Artificial Intelligence and Data Science

Programme Overview & Career Options

The 21st century is ruled by data and in reality it is turning out to be the 'life' of this technology-driven era. Artificial Intelligence and Data Science is one of the Engineering fields of the 21st century that will impact all segments of daily life by 2025, from transport and logistics to healthcare and customer service.

The major focus of this programme @ FXEC is to equip students with statistical, mathematical reasoning, machine learning, knowledge discovery, and visualization skills. Further, this programme will help students to gain cross-disciplinary skills across fields such as Statistics, Computer Science, Data Science and Machine Learning. Data scientists have career opportunities with exceptional prospective fields and challenging roles in the arena of healthcare, business, e-commerce, social networking companies, climatology, biotechnology, genetics, and other important areas.

Scope for AI & DS Engineers

- India Ranks the 1st in AI Skill Penetration and by 2026 the estimated demand for AI Professionals in India is expected to be 1 Million. *Source: nasscom.in*
- ML Engineer, Data Scientist, DevOps Engineer, and Data Architect roles account for 60% -73% of demand.

Department Specific Skills

- Data Exploration and Visualization using WEKA, Rapid Miner
- Natural Language Processing Application Development using Python
- AI&ML model deployment in Python
- Machine learning application development with R
- Dashboarding with Google Data Studio and PowerBI
- Deep learning for computer vision using OpenCV

Achievements



SMART INDIA
HACKATHON
2022



StartupTN



“Well-designed academic structure, readily accessible faculty and state-of-the-art Industrial Applied Laboratory at FXEC create an excellent learning environment to get transformed to an Industry-Ready Engineering Professional.”

GLADSTON AKASH RAJA T A
II B.Tech AI & DS

DEPARTMENT OF Civil Engineering

Industry Connect

- L&T Edu Tech
- Builders Association of India
- JPR Construction
- Federation of All Civil Engineers Association of Tamil Nadu & Puducherry

Industry Offered Courses

- Sustainable Design of Building
- Building Information Modelling



Industrial Applied Laboratory

- Architecture and Design
Industrial Applied Lab



Minor Course Offered

- Architectural Design

Student Internships @ Prominent Companies



B.E Civil Engineering

Programme Overview

One of the oldest and most remarkable engineering disciplines after military engineering, Civil Engineering involves planning, designing, constructing, maintaining and supervising infrastructures which include facilities essential to modern life like highways, bridges and tunnels, schools, hospitals, airports and other buildings, sewage systems and water treatment facilities. Construction activities are one of the main core industries of the Indian Economy and therefore an indispensable part of our economy. It generates millions of job opportunities across all sectors and employs trained and semi-skilled professionals.

What makes the Department of Civil Engineering @ FXEC a Unique Choice?

- Specific training to manage, design, develop, create and maintain small scale through to large-scale construction projects in a safe, timely and sustainable manner.
- On-site investigations to stay on top of technology trends and the latest industry advancements.
- Industry-supported courses are offered to make you Industry-Ready Hands-on Skill Training in design and visualization software such as Auto CAD and the like.
- Support to master proficiency in site layout, grading, utility design, erosion control, regulatory approvals etc.
- A platform for exercising students' skills to compete in National and International Contests.
- Effective and special training for enhancement of the job prospects in GATE, government examinations, and admissions for higher studies.

Department Specific Skills

- Building Design under Statutory Rule (2 Dimension and 3 Dimension)
- Construction Practices and Sustainable Concrete Technology
- Geometric Detailing
- Analysis and Design of Structures – A Professional Approach
- Introduction to Lumion, Sketchup and Staad pro

Achievements



“The industry-supported courses and the department-specific skill training provided improve our versatility and help in boosting our career and gain confidence to participate in National Level Competitions.”

MADESH S
III B.E Civil Engineering



DEPARTMENT OF COMPUTER SCIENCE & Business Systems



Industry Connect

- TRIOS Technologies
- Hackwit Technology Pvt. Ltd
- TruckJee
- IconX Technologies
- Space Zee



Service Based Company Run by a Student of CSBS



Student Internships @ Prominent Companies



Hackwit Technologies Pvt Ltd

B.Tech Computer Science and Business Systems

Programme Overview

The Programme, Computer Science and Business Systems enables students to know the core topics of Computer Science with a deeper understanding of humanities, human values and management sciences and business systems. The students also get good exposure to emerging topics such as Analytics, Machine Learning, Cloud Computing and Internet of Things etc. The curriculum is designed to meet the growing need of engineering talent with skills in digital technology.

This Programme offered @ FXEC will help students to master the emerging trends of technology and drive innovation in the field of computation, design, and deployment of programming languages, program design, hardware, software, and take up their career in reputed MNCs.

What makes the Department of CSBS @ FXEC a Unique Choice?

- Specific training in Business Analytics
- Support to design computer programs by analyzing requirements, constructing workflow charts, and writing specifications.
- Industry Connect programmes to bridge the gap between the institute and industry.
- Skill training to understand existing system practices and design new Business modules.

Department Specific Skills

- Website Development
- Python, R programming
- Business Analytics Tools
- Machine Learning in Finance



Minor Course Offered

- Big Data Analytics

“Today’s rapidly evolving world demands more than just good scores. The skill training @ FXEC supports us to build high self-esteem as we are trained to think critically and analytically and enhance competencies.”

HARRIES PANDI P

II B.Tech Computer Science and Business Systems



Industry Connect

Microsoft | ORACLE | COMPTIA
CISCO | EC Council | REDHAT



Department Specific Skills

- Data encryption
- Ethical hacking and penetration testing
- Programming using Java & Python
- Data analysis
- DevOps
- Cloud computing

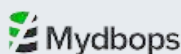
Academic Partners



Minor Course Offered

- Cyber Security

Student Internships @ Prominent Companies



B.E Computer Science and Engineering

Programme Overview

Computer Science Engineering (CSE) is the study of computers and computing as well as their theoretical and practical applications. Computer science applies the principles of mathematics, engineering, and logic to a plethora of functions, including algorithm formulation, software and hardware development, and artificial intelligence.

Technology has been growing so exponentially over recent years and there has been a steadily increasing demand for bright graduates to transform areas ranging from data infrastructure to cyber security. FXEC offers the best education to help students stay up to date with the latest trends in Computer Science Engineering and make an informed choice about where to head next.

What makes the Department of CSE @ FXEC a Unique Choice?

- Comprehensive Curriculum Design to develop critical and creative thinking.
- Value-added Certification Programmes through industry collaborations.
- Elective courses based on emerging trends and research in the field of Computer Science and Engineering.
- Internships at multi-national companies under earn while you learn privilege.
- Interdisciplinary Electives
- Earn an Honours Degree by successfully completing courses for 18 more credits under a specific domain.

Industrial Applied Laboratories

- Mobile Application Development Industrial Applied Lab
- Programming and Coding Industrial Applied Lab
- Next Generation Computing Industrial Applied Lab
- Cyber Forensics and IoT Industrial Applied Lab
- Augmented Reality and Virtual Reality Industrial Applied Lab

Awards Received by Students

- Student Innovator Award from TNSI - One Lakh
- Innovation Voucher Program - EDII - Two Lakhs
- Govtechthon - Open Innovation Challenge - Cash Award



“Collaborative & Active Learning with the support of state-of-the-art laboratories support the students to gain practical exposure and participate in competitions organized by Government of Tamil Nadu and win awards.”

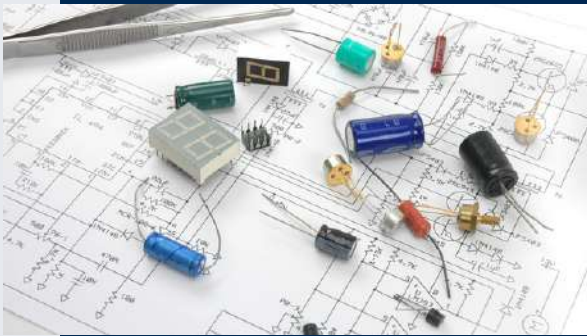
SOUNDARIYA S

III B.E Computer Science and Engineering



Industry Connect

- Texas Instruments
- Icanio Technologies
- TVS-Sensing Solution
- VI Micro Systems
- UNIQ Technologies
- VEE-EEE Technologies
- ECCI Academy
- Technocrat Automation Pvt. Ltd.,
- Infoziant Systems Pvt. Ltd.,
- JC Techno Services



Specific Skills Offered

- PCB Design
- IoT
- MATLAB
- LTspice
- Verilog
- Mobile Robotics

Academic Partners



In-House Industry



Minor Course Offered

- Internet of Things

Student Internships @ Prominent Companies



B.E Electronics and Communication Engineering

Programme Overview

Electronics & Communication Engineering (ECE) is a branch of Engineering that deals with electronic devices, circuits, and communication equipment like transmitters, receivers, and integrated circuits (IC). It also deals with basic electronics, analog and digital transmission & reception of data, voice and video, microprocessors, communication, microwave engineering, antenna, and wave progression.

This Programme @ FXEC aims to deepen the knowledge and skills of the students on the advanced concepts and theories that will equip them in their professional work involving analysis, systems implementation, operation, production, and maintenance of the various applications in the field of Electronics and Communication Engineering.

What makes the Department of ECE @ FXEC a Unique Choice?

- Integrated Comprehensive Curriculum Design to pursue learning in a holistic way.
- Industrial Applied Laboratories to connect the theory learned in the classroom with real-life knowledge and experiences.
- Value-added Certification Programmes through industry collaborations.
- Elective courses based on emerging trends and research in the field of Electronics and Communication Engineering.
- Internships at multi-national companies under earn while you learn privilege.
- Interdisciplinary Electives
- Earn an Honours Degree by successfully completing courses for 18 more credits under a specific domain.

Industrial Applied Laboratories

- Embedded and IOT Industrial Applied Lab
- Advanced Communication Systems Industrial Applied Lab
- Advanced Electronic System Design Industrial Applied Lab



“The Industrial Applied Laboratories with Hi-Tech modern tools help us go ahead of the learning curve, design products, and enhance our competencies by participating in international competitions.”

KAMALA DEVI E

III B.E Electronics and Communication Engineering

Industry Connect

- L & T



Industry Offered Courses

- Industrial Power System Analysis
- Cyber Physical Systems for Industrial Applications
- FPGA Design for Industrial Applications (VLSI)



Specific Skills Offered

- Wiring schematics
- PCB Design
- Smart sensors
- Hands on Training in Arduino
- Internet of Things
- Simulation Modeling
- MATLAB Simulink

Academic Partners



Minor Course Offered

- Industrial Automation

Student Internships @ Prominent Companies



B.E Electrical and Electronics Engineering

Programme Overview

Electrical and Electronics Engineering is a branch of Engineering that deals with the study of the application of electricity, electronics and electromagnetism. Electrical Engineers design, develop, test and supervise the manufacturing of electrical equipment, such as electric motors, radar and navigation systems, communications systems and power generation equipment. If it's a practical, real-world device that produces, conducts or uses electricity, in all likelihood, it is designed by an electrical engineer.

The Job opportunities for Electrical and Electronics Engineers are always evergreen. To widen the scope of Electrical Engineering students at FXEC, hand-on skill training is given to design electrical devices and systems using basic components such as conductors, coils, magnets, batteries, switches, resistors, capacitors, inductors, diodes and transistors. Further, the curriculum is designed to help students master emerging technologies like Smart Grids, Wireless Power Transfer, Wireless Wearable Tech, Artificial Intelligence, Prefabricated products, Energy-saving lighting technologies, and so on.

What makes the Department of EEE @ FXEC a Unique Choice?

- Curriculum designed to meet industry requirements.
- Support to design electrical device prototypes, digital devices
- Value-added courses in Automation Technologies and Power Drives.
- Minor Courses in Industrial Automation.
- Faculty with diverse research specializations.

Industrial Applied Laboratories

- Robotics and Automation Industrial Applied Lab
- Electrical Drives and Automation Industrial Applied Lab



“I am proud to say that through the support rendered by the faculty, I got the Internship opportunity at Zenith Technologies with an **Internship Salary of Rs 6.8 LPA.**”

ERO GEO SATHYAN J

IV B.E Electrical and Electronics Engineering



Industry Connect

- Toyota Kirloskar Motor Private Limited
- Yokohama Tires (ATC Private Limited)



Industry Offered Courses

- Industrial Piping Engineering & Industrial Frontier Tools

B.E Mechanical Engineering

Programme Overview & Career Prospects

Mechanical Engineering is the study, design, development, construction, and testing of mechanical and thermal sensors and devices, including tools, engines, and machines. Mechanical engineering careers center on creating technologies to meet a wide range of human needs.

Courses offered under Mechanical Engineering @ FX include automobile engineering, manufacturing engineering, power plant engineering, thermal engineering, and mechatronics, which is a combination of electrical, computer, and mechanical engineering.

Mechanical engineering is a fast-paced, interdisciplinary field that offers opportunities to help design the future. With continued projected career growth, coupled with our globalized world's unceasing need for technological advancements and innovation in communication and travel, a career as a mechanical engineer can be challenging, rewarding, and lucrative.

What makes the Department of Mech @ FXEC a Unique Choice?

- Technical Training in Design, Simulation Applications, Problem-Solving and Analytical Skills.
- Hands-on training in cutting-edge technologies like AutoCAD, Solidworks, ANSYS, Matlab and the like.
- Internships in core manufacturing Industries.
- Support to publish articles and patents.
- Two Faculty of the Mechanical Department are recognized as world top researchers.

Industrial Applied Laboratories

- Innovation and Product Development Industrial Applied Lab
- Design and Analysis Industrial Applied Lab

Minor Courses Offered

- Additive Manufacturing Technologies and Applications
- CAD for Additive Manufacturing
- 3D Printing and Prototyping
- Design for Additive Manufacturing



Vehicle Fabricated by the Students

Student Internships @ Prominent Companies



“Modern facilities and interactive learning pedagogy followed help us to enhance theoretical understanding and stimulate out-of-the-box thinking.”

ABRAHAM JEBAMANI RAJ T
IV B.E Mechanical Engineering



DEPARTMENT OF INFORMATION TECHNOLOGY

Industry Connect

- Incrix Techlutions LLP
- Smarter Technologies, Chennai
- Space Zee Technologies Private Limited, Chennai
- Hackwitt Technologies, Salem

SMARTHER



Department Specific Skills

- UI & UX Design
- Data Visualization & Machine Learning
- Essentials of Linux System Administration
- Front-end Web Development with React js



Academic Partners



ORACLE



Value Added Skills

- Fullstack Mobile Application with Flutter
- Server side Application with node js

Minor Course Offered

- Data Science

Student Internships @ Prominent Companies



“Enriched curriculum, readily accessible faculty and updated resources on the emerging trends of Technology @FXEC create an excellent ambience and learning environment.”

POOJA S

II B.Tech Information Technology



B.Tech Information Technology

Programme Overview & Career Prospects

Information Technology (IT) is building communication networks for a company, safeguarding data and information, creating and administering databases, helping employees troubleshoot problems and provide solutions.

Information Technology programme @ FXEC is an excellent choice to help advance your career. Whether you are seeking professional development, new skills, or a new career, Information Technology programme will help you become a more competitive and valuable employee with important skills.

Information Technology Programme covers a wide range of topics which include software applications, hardware, programming, security, business applications, design, artificial intelligence, databases, Virtual Reality & Augmented Reality, and others.

Enroll to pursue Information Technology. FXEC will help you meet your professional goals and advance your career!

What makes the Department of IT @ FXEC a Unique Choice?

- Integrated Comprehensive Curriculum Design to pursue learning in a holistic way.
- Industrial Applied Laboratories to connect the theory learned in the classroom with real-life knowledge and experiences.
- Value-added Certification Programmes through industry collaborations.

Industrial Applied Laboratories

- Ideation Industrial Applied Lab
- Web Apps Industrial Applied Lab
- Machine Learning Solutions Industrial Applied Lab



DEPARTMENT OF

Management Studies (FXDoMS)

Skills you will Master

- Critical thinking and problem-solving skills
- Strategic Thinking and Planning Abilities
- Project & Time Management Skills
- Cross-cultural competency
- Entrepreneurial Skills
- Leadership Skills
- Negotiation abilities
- Technology Savviness
- Communication abilities

Specialization

- Finance
- Marketing
- Human Resources
- Operations
- Entrepreneurship
- Systems



Master of Business Administration (MBA)

Programme Overview & Career Prospects

MBA or Master of Business Administration is a 2 - year full-time degree programme that makes you excel in all aspects of business and administration. This is an internationally recognized degree and the curriculum has been designed meticulously to help the learner hone all the skills required for a great career in any sort of business scenario.

Pursuing an MBA Degree offered at FXEC will give you a higher scope to launch a progressive career as an entrepreneur or take up higher positions in financial sectors, MNCs and various public sectors as well as other private organizations.

What makes the Department of MBA @ FXEC a Unique Choice?

- **Best B-Schools in the southern region - by Business Standard, IMRB Best B-School Survey, Fortune India, Chronicle B-School Survey 2023**
- Training on Real Time Stock Market through NSMART.
- Case oriented education
- Intensive Seminar and GD
- Soft skills development
- Institute and Industry interaction for project work and consultancy
- Regular Industrial Visits
- Individual personal review and counseling
- Higher placement in reputed Indian Companies & MNCs
- Entrepreneurship Development through ED cell.

Industry Connect

- YI – Young Indians
- Membership in CII – Confederation of Indian Industry
- National Stock Exchange of India Ltd (NSE)
- MCUBE ACADEMY, Chennai
- Iconix Technologies - A start-up of our Alumni.



Student Internships @ Prominent Companies



“FXDoMs aims at inculcating leadership qualities in the students and transforms every student into excellent communicators to become global leaders.”

ALBERT S
I MBA

DEPARTMENT OF MASTER OF Computer Applications

Industry Connect

- Southern India Chamber of Commerce and Industry
- Workline Pvt. Ltd, Chennai
- Centizen Pvt. Ltd, Chennai



Industry Offered Course

- Digital Marketing & Analytics

Active MoUs



Master of Computer Applications (MCA)

Programme Overview & Career Prospects

Master of Computer Applications (MCA) is a two-year professional Master's Degree. The post graduate program is designed to meet the growing demand for qualified professionals. The MCA programme is inclined more towards Application Development and thus has more emphasis on latest programming language and tools to develop better and faster applications.

The Curriculum is exclusively designed to meet the requirements for IT Industry and other engineering sectors. This programme significantly emphasizes planning, designing and building of complex commercial application software and system software. MCA programme is not just a postgraduate programme; it is also a complete professional grooming for students for a successful career in the IT Industry.

What makes the Department of MCA @ FXEC a Unique Choice?

- Awarded as Top 10 Promising MCA Colleges by Higher Education Review, New Delhi
- Revised Curriculum with Professional Skill training courses for better Placement
- Industry-supported courses in Digital Marketing & Analytics
- Skill Training in Laravel Framework, Arduino, Angular, Node, Express, React, Machine Learning with Python, IOT Level 1 and 2, Data Science using Python Dot Net, C programming to crack TCS Ninja.
- Significant Campus recruitment opportunities with 100% Placement in reputed MNCs like TCS, TCS Digit, Infosys, IBM, Atos Syntel, CTS, Rahuten, Mobius, Tech Mahindra, Six Phrase, Quantler, Rejola, Ekalaiv, Face, Webberax, Avasoft, Centizen, Workline, Hradi Infotech and Sutherland.

Specialization

- Wireless Sensor Network
- Cloud Computing

Department Specific Skills

- AngularJS
- Node & Express JS
- JavaScript



Student Internships @ Prominent Companies



“The focus on practical-based education at FXEC enables students to apply their learning in a real world environment and develop their own designs, prototypes and products.”

Abinaya Sangeetha V
II MCA



P L A C E M E N T S

**100 % Assured
Placements**

"Creating Next-Gen Engineers with
In-Demand Engineering Skills"

2022 - 2023

Total offers
Distributed

684

Companies
Recruited

122

EARN
While You
LEARN

253

"Best College of Engineering in Placements in South Tamil Nadu Award" received from the Minister for Higher Education, Government of Tamil Nadu.



KATRAL AWARDS 2022

EXCELLENT PACKAGE

"Hope offered not just in
words but in Results"



16
LPA

HIGHEST
SALARY

Our Key Recruiters

tcs TATA
CONSULTANCY
SERVICES

tcs digital
TATA CONSULTANCY SERVICES

BYJU'S
The Learning App

MALLOW
TECHNOLOGIES

ZOHO

uO Mu Sigma

Kaar

3i Infotech
LIMITLESS EXCELLENCE

amazon

**TECH
mahindra**

ADF DATA
SCIENCE
PVT.LTD.

ATG YOKOHAMA
ALLRACE TIRE GROUP

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HACKWIT

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TECHNOLOGIES

SUTHERLAND

IBM

ZUCI
SYSTEMS

homefirst
We'll take you home

QUANTANICS
TECHSERV PVT LTD

QUALCOMM

Mydbops

Mobius

RIOTA

FLENDER

HEXWARE

Rakuten

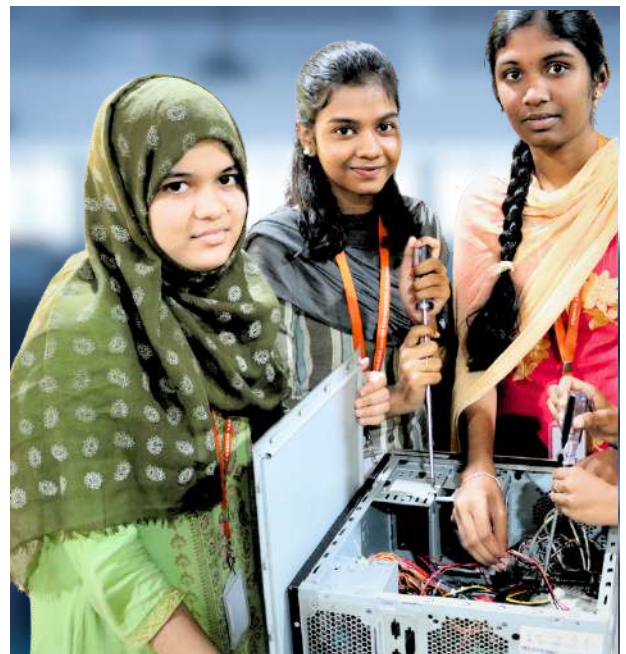
RENAULT NISSAN



FXEC will make you Industry Ready

Autonomous

- Industries Supported Curriculum
- International University Collaborations
- Minor Degree
- Value Added Courses
- Facilitating students to design Products
- Flexibility in choosing the courses and faculty
- Domain-based Professional Electives
- Advancement of Courses
- Multi-disciplinary Open Electives
- Experiential Learning & Project-Based Laboratories
- Collaboration with IIT Bombay - Spoken Tutorial



Experiential Learning

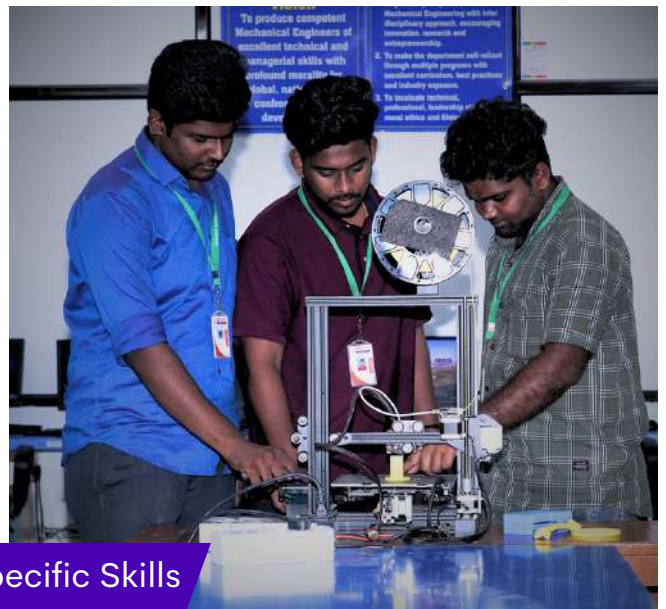
Skill Training



Foundational Skills



Department Specific Skills



Skill Training



Career Training

23 Industrial Applied Laboratories

1. Advanced Communication Systems Industrial Applied Lab
2. Advanced Electronics System Design Industrial Applied Lab
3. Architecture and Design Industrial Applied Lab
4. Augmented and Virtual Reality Industrial Applied Lab
5. Cyber Forensics Industrial Applied Lab
6. Data Science Industrial Applied Lab
7. Design, Modelling & Analysis Industrial Applied Lab
8. Electrical Drives and Automation Industrial Applied Lab
9. Embedded and IoT Industrial Applied Lab
10. Ideation Industrial Applied Lab
11. Industrial Automation Applied Lab
12. Innovation & Product Development Industrial Applied Lab
13. Machine Learning Industrial Applied Lab
14. Mobile App Development Industrial Applied Lab
15. Programming & Coding Industrial Applied Lab
16. Robotics and Automation Industrial Applied Lab
17. Web App Industrial Applied Lab
18. Artificial Intelligence Industrial Applied Lab
19. Blockchain Industrial Applied Lab
20. Computer Vision and Deep Learning Industrial Applied Lab
21. Unmanned Ariel Vehicle Industrial Applied Lab
22. Renewable and Green Energy Industrial Applied Lab
23. Architecture and Design Industrial Applied Lab - Phase II

Talents Exhibited @ National & State Level



Cash Award

Rs 1 Lakh



Cash Award

Grant of
Rs.2,00,000



Innovation Voucher Program

Centre for Entrepreneurship Development



Winner



TNSI - EDII
Project Contest.

Cash Award

Rs 1 Lakh



**CURRICULUM
SUPPORT**

&

**INDUSTRY
EXPERTISE**

INDUSTRY-INSTITUTE PARTNERSHIPS



Toyota Kirloskar



BOSCH

519+

Industrial Partners

94+

Active MoUs



On-line Certificate Programmes

Get into the new-age Learning



Research



21 of our Faculty
are World Top
Researchers

- 425+ Publications in Scopus indexed Journals
- **4719+** Citations
- h-Index 22, i10-index 56
- Funded projects for **3.64 Crores**
- **95+** Patents by Faculty
- **15+** Patents by Students



Two members of our Faculty
are recognized as
TOP RESEARCHERS
among the 2 % of Scientists
across the world by
Stanford University



Entrepreneurship Development Cell

Entrepreneurship Development Cell functioning at Francis Xavier Engineering College is committed to develop entrepreneurial spirit among students. The Cell inspires students to create new and innovative business ventures compliant to global market and standards.

- MoE, Govt. of India has awarded the Highest **Four Star status** to the Institution for the activities carried out under the established Institution's Innovation Council (IIC) for the year 2021.
- **500+ e-Club members** from all engineering disciplines including MCA and MBA Programmes.
- **PLATINUM Rating by AICTE -CII** Survey for Augmented Industry Interaction.
- **MSME Host Institution** - The Ministry of MSME, Govt. of India has granted approval to establish a Business Incubation Centre to the tune of Rs 2.5 Crores to promote Innovation among students.
- **MSME Business Incubator**
- **Anna University IEDP - Hub SPOKE College.**
- Recognized as a project Institute under National Scheme for Entrepreneurship Development in 2016 by NSTEDB.
- EDII sponsors Entrepreneurship Awareness Camp under the DST-NIMAT project.
- Member of Confederation of Indian Industries (CII), Southern Region, Chennai
- Member, NISP



STUDENT MENTORING

Mentoring @ FXEC is tailored to help students develop a 360 degree professionalism.

The Mentees are

- encouraged and empowered to have holistic development.
- helped to identify and achieve career goals.
- given inputs to connect the dots and excel in generic skills and knowledge.
- exposed to new ideas and ways of thinking.
- given opportunity to reflect on their own goals and practices.



Mentorship from seasoned professionals



“Mentors @ FXEC identify the talent and ability within you, than you see in yourself, and help bring it out of you and make you get recognized and march towards your goal”



Cultural Events



Sports



26th Junior National
Sepak Takraw
Championship '22

Bronze



Anna University
Zone 18
Football

1st Place



29th ALL INDIA
Folk Martial Arts

1st Place



Anna University
Zone 18
Volleyball

2nd Place



State Level Swimming
Championship 2022

Tamil Nadu State
Aquatic Association

1st Place



Anna University
Zone 18
Basketball - Men

3rd Place



Tamil Nadu Taekwondo
Championship

Bronze



Anna University
Zone 18
Chess - Women

2nd Place



Anna University
Zone 18
Basket Ball -
Women

2nd Place



Anna University
Zone 18
Badminton -
Women

1st Place





Campus Life





12,000+ ALUMNI ACROSS THE GLOBE

OUR ALUMNI- OUR STRENGTH

The Alumni of FXEC hold Prominent Positions in Multi-National Companies & Public Sectors



Mercedes-Benz

Become the best version of YOURSELF

FXEC at a glance

- Established in 2000.
- Located at the Heart of Tirunelveli City.
- One of the best Institutions in Tirunelveli offering NBA Accredited Programmes
- Our Faculty have been listed as Top researchers among the 2% of scientists across the world.
- One of the Institutions in the forefront in creating Industry- Ready Engineers

Key metrics

- Skill Training to make the students Industry-Ready.
- Assistance to design products and Publish Patents through Industrial Applied Laboratories.
- Internship opportunity right from the First Year onwards



253

Students are Earning while Learning through Internships



519+

Industrial Partners

A Future Driven Institution to give you a Global Competence

- Innovative Learning Environment
- Industry -Academia Connect
- International Collaboration
- Real-time Internships
- Industrial Visits
- Technology Business Incubator

Associations & Clubs

Associations & Clubs at FXEC prompt the students to come out of their shells & establish their identity by showcasing their innate talents.

INDUSTRIAL APPLIED LABORATORIES

- FXEC inculcates in every student the spirit of Innovation.
- You can get transformed into an Industry-Ready Professional by mastering the emerging trends of Technology.
- Focus is given in the areas of designing, Patent Publication and active participation in National and International Level Competitions



Participation in
National & International
Competitions



Product Design



Patent Publication &
Grant

OUR ACHIEVEMENTS IN PRINT MEDIA



Tuesday, September
13, 2022 Madurai



CAMPUS CONNECT

Invention by student

Francis Xavier College of Engineering, Tirunelveli, had conducted an awareness seminar on Innovation Voucher Scheme of the State government. Following this, a student Darshini of III year Computer Science, invented a wheelchair which moves through verbal commands. She received an incentive prize of ₹2 lakh under the Innovation Voucher Scheme. Anitha, Head, Department of Artificial Intelligence, was the guide.

In the recently organized Smart India Hackathon 2022 by the Ministry of Education's Innovation Cell (MIC) two teams from FXEC participated - one team from the Data Science Applied Lab and another team from Architecture and Design Applied Lab. Both the teams were selected for the grand finale organized at Gujarat Technological University, Ahmedabad. Dr. Cletus Babu, Chairman, SCAD Group of Institutions, Mr. Arun Babu, Managing Director, SCAD Group of Institutions and others congratulated the winners



Tuesday, March 7,
2023 Madurai



April 04, 2023



FX Engineering College wins First Prize at Inter-National Project Competition

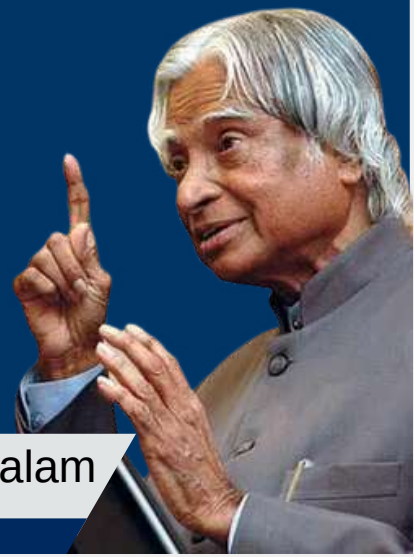
Visit to Malaysia
Sixteen students of
Francis Xavier
Engineering College,



Tirunelveli, received hands-on training at the modern laboratories of University of Putra, Malaysia. They visited Robotics Lab, Fibre Optics Communication Lab, Networking Lab, Simulation Lab and Welding and CNC Lab.

"Dream, dream, dream.
Dreams transform into
thoughts and thoughts
result in action."

- Dr. A.P.J. Abdul Kalam



VISION

To provide education in Engineering with excellence and ethics and to reach the unreached.

MISSION

To create innovative and vibrant young leaders and entrepreneurs in Engineering and Technology for building India as a super knowledge power and blossom into a University of excellence recognized globally.



FRANCIS XAVIER[®]
ENGINEERING COLLEGE
AN AUTONOMOUS INSTITUTION



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website

COUNSELLING CODE

4955

Admission Helpline

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Tirunelveli, Tamil Nadu 627003