

UG COURSES

- ♦ B.Tech. - Artificial Intelligence & Data Science
- ♦ B.Tech. - Information Technology
- ♦ B.E. - Mechanical Engineering
- ♦ B.E. - Computer Science and Engineering
- ♦ B.E. - Electronics and Communication Engineering
- ♦ B.E. - C.S.E (Artificial Intelligence and Machine Learning)



PG PROGRAMMES

- M.E. - CAD / CAM
- M.E. - Computer Science & Engineering
- M.E. - Power Systems Engineering
- M.E. - Applied Electronics

RESEARCH COURSES

- Ph.D. - Mechanical Engineering



HI-TECH FACILITIES

- ♦ Smart Classroom
- ♦ Modern Computer Labs
- ♦ IoT & Embedded Systems Lab
- ♦ Management ERP System
- ♦ Advanced R&D Centers
- ♦ Solar Power & Eco-Friendly Infrastructure
- ♦ Digital Library
- ♦ AI & Robotics Lab
- ♦ Modern Auditorium
- ♦ 24/7 CCTV Surveillance
- ♦ E-Learning Portals

GOT JOB OFFERS
with a Average Salary
Package of

₹4.5 LPA

TOP RECRUITERS



IMPLEMENTED SYSTEM





SIR ISSAC NEWTON COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Permanently Affiliated to Anna University, Chennai) An ISO 9001:2015 and 2(f) UGC Certified Institution, Accredited By NAAC With 'B ++' Grade

Velankanni Road, Pappakovil, Nagapattinam - 611 102 | Email : principal@sincet.ac.in | Web : www.sincet.ac.in



"Machine intelligence is the last invention that humanity will ever need to make."

- Nick Bostrom

CSE - ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

Artificial Intelligence (AI) and Machine Learning (ML) are transforming industries by enabling machines to think, learn, and make autonomous decisions. These technologies are reshaping daily life in fields like communications, finance, healthcare, and transportation.

B.E ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

FUTURE SCOPE OF AI & ML

- AI is expected to create millions of new jobs by 2030
- Growing demand for AI professionals across industries
- AI and ML skills among the highest-paid in tech
- Opportunities for entrepreneurship and innovation



B.E (CSE-AI & ML SKILLSETS)

YEAR	AU CURRICULUM	TECHNICAL SKILL	COMMUNICATION SKILL
1 year	Python Programming Programming in C	Robotics Programming Basic in scratch- I&II	Public speaking basics Conversational English and fluency Group discussions and active listening Storytelling and narration
2 year	Machine learning Artificial intelligence Foundation of Data Science data structures and algorithms object oriented programming theory of computation operating system database design and management	C/ C++ Programming Data Structures Object-Oriented Programming (Java/Python) DBMS Basics	Extempore and impromptu speaking Technical presentations Interview and resume pitching Debate and argumentative speaking
3 year	Deep Learning for vision Natural language processing Cryptography and cyber security Distributed computing Object oriented software engineering	Full Stack Development (React/Node.js) UI/UX Design	Industry oriented communication Corporate and global communication
4 year	Real time projects Internship Human values and ethics	AI Model Deployment AI for IoT Edge AI AI in Healthcare	Leadership and negotiation skills

SALIENT FEATURES



ICT CLASS ROOMS



WI-FI ENABLED CLASSROOMS



EXPERIENTIAL CLASSROOMS



BTL LEARNING



100% PLACEMENTS



GO-GREEN CAMPUS



LIFT FACILITIES



TRANSPORT FACILITIES



HOSTEL FACILITIES

CAREER PATHWAYS: AI&ML

- AI Scientist • Machine Learning Engineer
- Software Developer • Robotics Scientist
- AI Consultant • Automation Engineer
- Research Scientist • AI Engineer





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B.TECH.

Artificial Intelligence & Data Science (AI & DS)

B.Tech in AI & Data Science (AI & DS) is a cutting-edge program designed to equip students with advanced skills in Artificial Intelligence, Machine Learning, and Big Data Analytics.

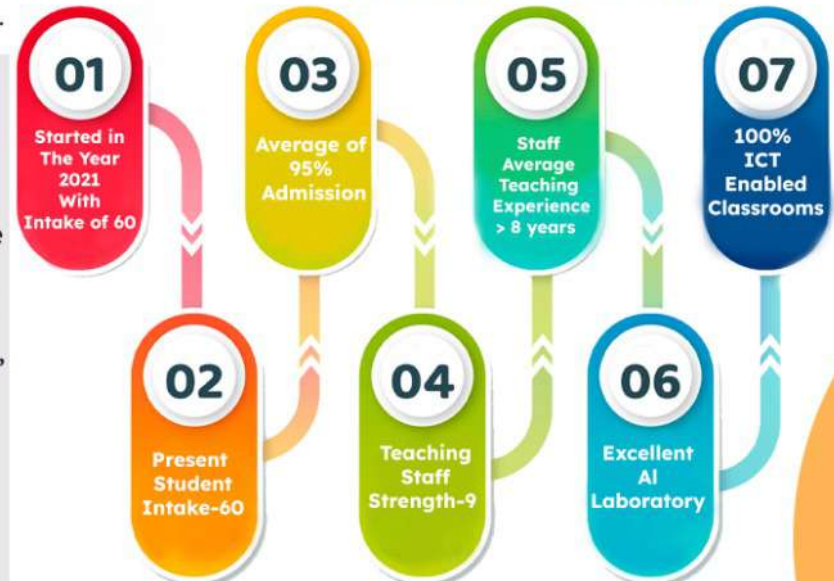
INTRODUCTION

DEPARTMENT VISION

- To produce globally competent engineering professionals with a focus on intellectual learning of artificial intelligence and data science tools with utmost professionalism.
- To enhance the problem solving skills of students with a focus to prepare them for industry expectation, support them in research areas with value based education to serve the greater cause of the society.

DEPARTMENT MISSION

- To improve the interdisciplinary skill set of students by cognitive learning environment with industrial collaboration in the field of Artificial Intelligence and Data Science.
- Provide the students with leadership qualities, ethical and human values to serve the nation and focus on students' overall development.
- To guide the students to do research in the area of artificial intelligence and data science with an aim of having impact on society by tackling societal challenges.



Transforming Education: Innovative Learning Approaches for the Future!

PROBLEM BASED LEARNING



ICT ENABLED LEARNING



EXPERIMENTAL LEARNING



FLIPPED CLASSROOMS



SKILL BASED LEARNING



ACTIVITY BASED LEARNING



Empowering Students with Future-Ready Learning Techniques!

SALIENT FEATURES



GLIMPSES OF THE DEPARTMENT



STUDENT PATENT



"The real question is, when will we draft an artificial intelligence bill of rights? What will that consist of?" – Gray Scott

B.TECH-AI&DS SKILLSETS:

YEAR	ACADEMIC COURSES	TECHNICAL SKILL	COMMUNICATION SKILL
1 year	Python Programming Data Structures Design	Robotics Scratch Programming Basics	Public Speaking Basics Conversational English And Fluency Group Discussions And Active Listening Storytelling And Narration
2 year	Database Design And Management Artificial Intelligence Machine Learning Fundamentals Of Data Science And Analytics Operating System	C/ C++ Programming Data Structures Object-Oriented Programming (Java/Python)	Extempore And Impromptu Speaking Technical Presentations Interview And Resume Pitching Debate And Argumentative Speaking
3 year	Deep Learning Big Data Analytics Distributed Computing Data And Information Security	Full Stack Development (React/Node.Js) UI/UX Design	Industry Oriented Communication Corporate And Global Communication
4 year	Real Time Projects Internship Human Values And Ethics	Full Stack Development (React/Node.Js) UI/UX Design	Leadership And Negotiation Skills

CAREER PATHS

- AI Engineer ■ Deep Learning Engineer
- Machine Learning Engineer ■ Computer Vision Engineer
- Data Scientist ■ NLP Engineer
- Big Data Analyst ■ AI Researcher



7 ENGINEERS

got job offers in

WORKCOHOL

with a salary package of



₹5 LPA



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DEPARTMENT OF

COMPUTER SCIENCE & ENGINEERING



Particular	2024-2025	2023-24	2022-23	2021-22	2020-21
Placement Count	44/55	36/51	33/46	25/35	17/46
Placement Percentage	80%	70%	71%	71%	36%



ABOUT US

The Department of Computer Science and Engineering, since its inception in 2010, has always attracted the best of engineering aspirants from all over the country. It is successful in producing skilled and competent Computer Engineers and Entrepreneurs ready to satisfy the needs of the industry and society at large. Department is Permanently Affiliated to Anna University, Chennai in 2019.

UG PROGRAM

(120 Students)

B.E., Computer Science and Engineering

PG PROGRAM

(24 Students)

M.E., Computer Science and Engineering

WHY CSE @ SINCET?

- ✦ Outstanding Infra structure with 600 MBPS Internet Facilities.
- ✦ Centre of Teaching and Learning.
- ✦ Online Courses of IIT's IIIT's Supported Through NPTEL Chapter.
- ✦ Project and Product Based Learning.
- ✦ State of Art Laboratories & Special Labs.
- ✦ Innovative Clubs to Initiate Technical and Leadership Skill.
- ✦ Highly Qualified Faculty Members.

TOP RECRUITERS



400+

PLACEMENTS OFFERS




SKILLS LADDER TRAINING & PLACEMENT

OUR VISION

To be a Center of Excellence in the field of Computer Science and Engineering believes in providing quality education to students through continuous learning and research activities to produce globally competitive, self-disciplined and ethical Computer Engineers to meet the social needs.

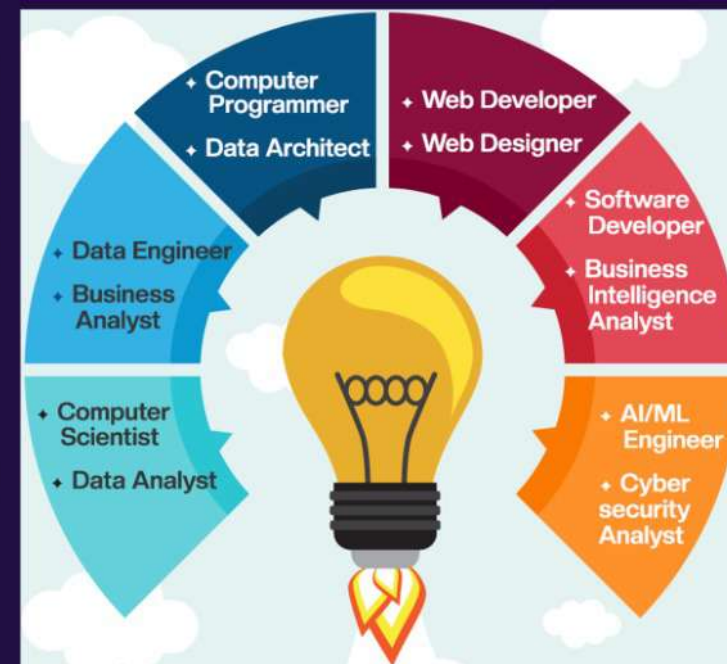
COUNSELLING CODE

3760

Edu Initiative	1 Year	2 Year	3 Year	4 Year
 KNOWLEDGE	<ul style="list-style-type: none"> * Conceptual Learning Methodologies * Problem Solving in Python Programming * Programming in C 	<ul style="list-style-type: none"> * Data science * DBMS * Algorithm * Artificial Intelligence and Machine Learning * Operating System 	<ul style="list-style-type: none"> * Object Oriented Software Engineering * UI and UX Design * Computer Networks * Distributed Computing * Cloud Computing 	<ul style="list-style-type: none"> * IT in Agricultural System * Human Values and Ethics * Renewable Energy Technologies * Principal of Management
 IT SKILL	<ul style="list-style-type: none"> * Python * C Programming 	<ul style="list-style-type: none"> * Java * SQL * Data Science * Machine Learning 	<ul style="list-style-type: none"> * Virtualization * HTML * Figma 	<ul style="list-style-type: none"> * Full Stack Training * Hands on Project
 ATTITUDE	<ul style="list-style-type: none"> * Enhancement of Communication and Soft Skills Training 	<ul style="list-style-type: none"> * Technical Seminars, * Conference & Workshop for Enrichment of Knowledge Carrier Planning Through Placement Activities 	<ul style="list-style-type: none"> * Developing Work Culture Through Internship * Carrier Planning Through Placement Activities 	<ul style="list-style-type: none"> * Carrier Planning Through Placement Activities * Product Development Through Innovative Projects

ROADMAP

CAREER OPPORTUNITIES



OUR ACHIEVEMENTS



ANNA UNIVERSITY RANK HOLDER



THIVYA.T
M.E CSE

PROUD MOMENT OF CSE

GOT JOB OFFERS in

WORKCOHOL®

with a Salary Package of

₹5 LPA

KRISHNA.P
CSE SOFTWARE ENGINEER





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B.E

DEPARTMENT OF MECHANICAL ENGINEERING

LAB

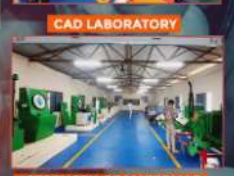
- ◆ Central Workshop Comprises A Machine Shop, Carpentry Shop, Foundry Shop, Welding Shop, Smithy Shop, Sheet Metal Shop, And Cnc Machines.
- ◆ Thermal Engineering Lab
- ◆ Heat And Mass Transfer Lab
- ◆ Dynamics Of Machines Lab
- ◆ Cad /Cam Lab
- ◆ Mechatronics Lab
- ◆ Metrology And Measurements Lab
- ◆ Robotics Laboratory
- ◆ Mechanical Research Laboratory
- ◆ Special Machines Laboratory
- ◆ Fluid Mechanics Laboratory



R.Sakthiguna (Reg No: 821721114036)
Won Gold medal



CRICKET TEAM WON GOLD MEDAL IN ANNA UNIVERSITY



STUDENTS ACHIEVEMENTS

சர்ஜசுக் நியூட்டன் கல்லூரி மாணவர் பல்கலைக் கழக தேர்வில் சிறப்பிடம்



1. Anna University Rank Holders]
2. Sakthivel Students Of Final Year Got All Subjects In O Grade
3. More Than 50+ Students Paper Presentation Got First Price

ASSOCIATION

The Department Has An Active Student Technical Association, Namely "Megamechanical"

VALUE ADDED COURSE

The Department Involves Itself In Value-Added Courses And International Certification Programs In Association With Simulation, And Analysis Of Engineering Systems During Semester Holidays.

PAPERS IN STAFF

The Teaching Faculties Are Active In Conducting Research And Publishing The 20 Papers In Reputed Journals And Conferences



MOU



NIT-TRICHY

about the department



1

B.E., Mechanical Engineering,
Establishment Year
2010. Intake of 60

2

M.E., in CAD/CAM Establishment
year 2013 Intake
of 24

CAREER OPPORTUNITIES IN MECHANICAL

- ◆ Automotive Engineer
- ◆ Design Engineer
- ◆ Production Engineer
- ◆ NDT Engineer
- ◆ Control And InstrumentationEngineer
- ◆ Maintenance Engineer
- ◆ Manufacturing Engineer
- ◆ CAE Engineer
- ◆ HVAC Engineer

WHY MECHANICAL @SINCET?

Outstanding Infra With
More Than 20 Labs

ABL Teaching Methodoly

1 Extra Course for
every year

30+Mou With Nit Trichy

Highly Qualified Staff With
15+ Years Experienced Staffs

Yearly more than 5+ work
shops and innovative programs

Support through NPTEL
Chapter

Yearly 2 Value Added
Course

Centre for research
recognition

10 students per 1(staff) mentor

B.E- MECHANICAL ENGINEERING

YEAR	SKILL	VALUE ADDED COURSE	KNOWLEDGE
1 year	Skill lab -1 (robotics) Orientation programs	Communications skill related course	Drafting (modern engineering graphics)
2 year	Skill lab -2 (welding technology)	Design course(2D) Auto cad	Central assignments
3 year	Skill lab-3 (assembly and dis assembly)	Design course (3D) Solid works	• Project expo • Paper presentations • Training and placement programs
4 year	Skill lab-4 (cad/cam)	Mechanical Coding	Paper publications

STUDENTS PLACEMENTS

Tyre A Company- 200+ (5 Lpa)
(Yamaha, Royal Enfield, Motherson, Tvs)
Tyre B Company- 210+ (4 Lpa)
Tyre C Company-100+ (3 Lpa)





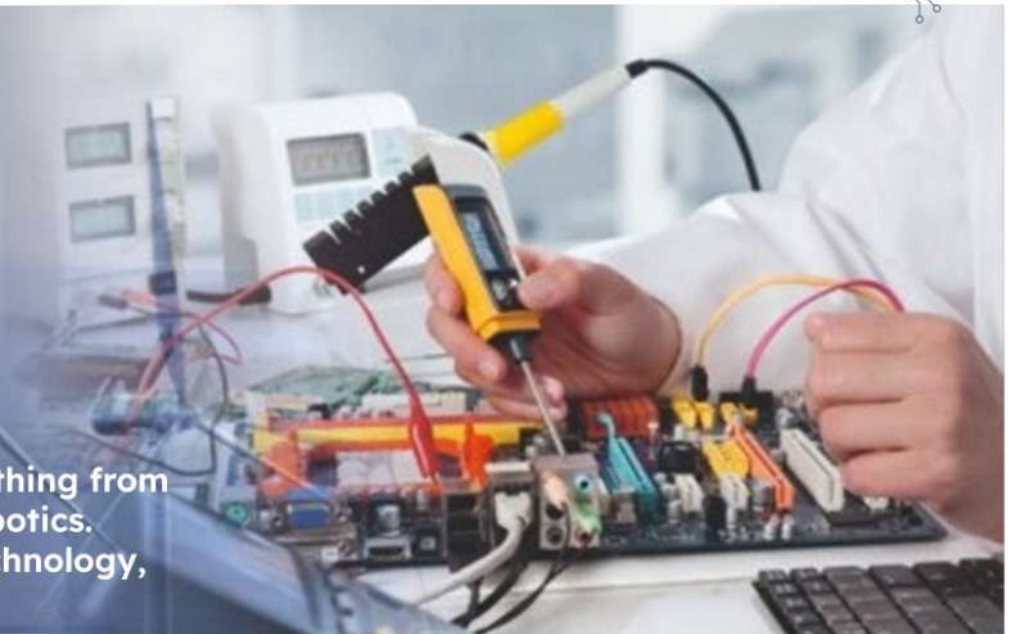
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B.E

Electronics and Communication Engineering

"Electronics has turned the world into a global village."

Electronics and communication technology power everything from smartphones and satellites to AI-driven systems and robotics. A degree in this field opens doors to careers in space technology, artificial intelligence, 5G networks, IoT, and more



ECE LAB DETAILS

IOT Lab

**Simulation
Lab**

**Advance
Communication
system Lab**

**Analog and
Digital lab**

PROGRAMS OFFERED:

**B.E – Electronics and Communication
Engineering (Undergraduate)**
M.E – Applied Electronics (Postgraduate)

INDUSTRY INSTITUTION INTERACTION

- Frequent guest lectures and mentoring sessions by tech industry leaders.
- In-depth practical learning through workshops on trending technologies like AI, VLSI, Robotics, and 5G.



INNOVATIVE TEACHING & LEARNING (CUTTING-EDGE INFRASTRUCTURE):

- ◆ Smart classrooms and AI-powered classrooms with Google Classroom integration.
- ◆ Hands-on labs with the latest simulation software to bring your ideas to life.
- ◆ Access to industry-grade IoT, VLSI, and Robotics labs.
- ◆ Wi-Fi-enabled campus supporting e-learning platforms.
- ◆ Access to online certification courses (NPTEL, Coursera, etc.) to strengthen skills.

BEYOND THE CLASSROOM REAL-WORLD EXPOSURE

- ◆ Industrial visits to top companies like ISRO, Ooty radio station.
- ◆ Exciting internship opportunities in leading tech industries and startups.
- ◆ Live projects in collaboration with industry leaders

BEYOND THE CLASSROOM REAL-WORLD EXPOSURE

- ◆ Participate in national and international hackathons, tech contests, and robotics competitions.
- ◆ Develop your own startup ideas with faculty guidance and incubation support.

TOP PLACEMENT ACHIEVEMENTS

YEAR	ACADEMIC COURSES	TECHNICAL SKILL	COMMUNICATION SKILL	
2017-21	Harish A	Quality Software Engineer	Infosys	Chennai
2017-21	Ganesh B	A.S.E Trainee	TCS TATA CONSULTANCY SERVICES	Chennai
2019-23	Dhanalakshmi M	Embedded Software Engineer	NIYATA INFOTECH	Bangalore
2017-21	Chitra	Software Developer	KGISL	Coimbatore
2015-19	Shamaladevi S	GET	HCL HCL TECHNOLOGIES	Chennai
2017-21	Shobana	GET	HCL HCL TECHNOLOGIES	Chennai
2017-21	Ganesh B	A.S.E Trainee	TCS TATA CONSULTANCY SERVICES	Chennai

**FACULTY
DETAILS**

**Ph.D
7**

**Ph.D
4**

Top Recruiters for ECE Graduates:

- | | |
|-------------------|---------|
| Intel | Wipro |
| Qualcomm | Samsung |
| Texas Instruments | Cisco |
| ISRO | Bosch |
| DRDO | BSNL |
| TCS | |

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INFORMATION TECHNOLOGY



Shape Your Future with
Technology!



**SKILL
TRAINING PROGRAM**

Any sufficiently
advanced
technology
is equivalent to
magic!



WE'RE CHANGING
THE
WORLD WITH
TECHNOLOGY

CAREER OPPORTUNITIES:

- SOFTWARE DEVELOPMENT
- IT CONSULTING
- NETWORK ENGINEERING
- CYBERSECURITY
- DATA ANALYSIS AND DATA SCIENCE
- CLOUD SOLUTIONS ARCHITECT
- ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING SPECIALIST



IT LAB-1



IT LAB-2



SPORTS MEET

SALIENT FEATURES:

1. ICT CLASSROOMS
2. WI-FI ENABLED CLASSROOMS
3. BTL LEARNING
4. 100% PLACEMENTS
5. GO-GREEN CAMPUS
6. LIFT FACILITIES
7. TRANSPORT FACILITIES
9. HOSTEL FACILITIES
10. SPORTS ACTIVITIES



ICT ENABLED
TEACHING