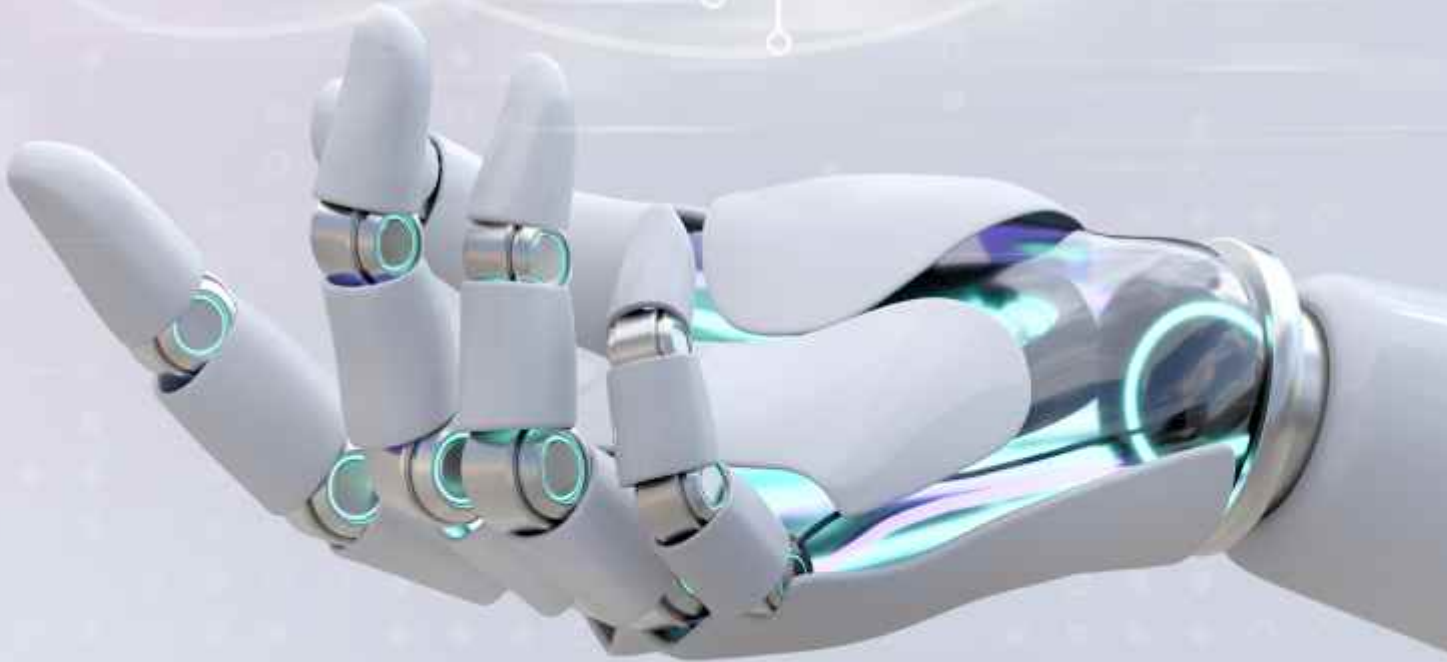




سيثو للخدمات التعليمية ش.ذ.م.م

SETHU
EDUCATIONAL SERVICES L.L.C





Vision

To promote excellence in technical education and scientific research for the benefit of the society

Mission

- To provide quality technical education to fulfill the aspiration of the student and to meet the needs of the Industry
- To provide holistic learning ambience
- To impart skills leading to employability and entrepreneurship
- To establish effective linkage with industries
- To promote Research and Development activities
- To offer services for the development of society through education and technology

PROGRAMMES OFFERED

Under Graduate Programmes

*B.E. Mechanical Engineering **
*B.E. Computer Science and Engineering **
*B.E. Electronics and Communication Engineering **
*B.E. Electrical and Electronics Engineering **
*B.Tech. Information Technology **
B.E. Civil Engineering
B.E. Biomedical Engineering
B.Tech. Agricultural Engineering
B.Tech. Computer Science and Business Systems
B.Tech. Biotechnology
B.Tech. Artificial Intelligence and Data Science
B.E. Computer Science and Design
B.E. Computer Science and Engineering
(Artificial Intelligence and Machine Learning)
B.E. Computer Science and Engineering (Cyber Security)
B.E. Computer Science and Engineering (Internet of Things)
B.Tech. Chemical Engineering
*B.Arch***

* Accredited by NBA, New Delhi under Washington Accord (Tier-I)

** Subject to Approval by AICTE / COA / ITPI

Post Graduate Programmes

M.E. CAD/CAM
M.E. Communication Systems
M.E. Computer Science and Engineering
M.E. Power Electronics and Drives
M.E. Structural Engineering
*M.Plan***
*M.B.A***

Brief History of The Institution



Sethu Institute of Technology, the brainchild of our Founder & Chairman, **Mr.S.Mohamed Jaleel**, who has been rendering noble service since 1995 for the growth of the educationally, industrially and economically backward rural areas. Sethu Educational Trust established the College with a motto of “Knowledge, Service and Progress”, on Madurai – Tuticorin National Highway (NH 45B), Pulloor, Kariapatti, Virudhunagar District at 12 km from Madurai airport.

Sethu Institute of Technology, established with three disciplines of 4 year B.E. Degree programmes with an initial intake of 180 students has recorded a stupendous growth to offer courses in sixteen disciplines of B.E./B.Tech. and five disciplines of 2 year M.E. degree programmes with a total intake of 1290 students.

The college is approved by All India Council for Technical Education and affiliated to Anna University, Chennai. The college obtained ISO certification in the year 2002. The college has been conferred Autonomous status in the year 2012 by University Grants Commission(UGC), New Delhi. The college is accredited by National Assessment and Accreditation Council (NAAC) with 'A++' grade. Many programs of the college have been Accredited by NBA since 2006. The programs of MECH, CSE, ECE, EEE and IT are accredited by National Board of Accreditation (NBA), New Delhi under Tier-I, Washington Accord. The degree obtained by the students of NBA Accredited Programs are recognized among the member countries of Washington Accord throughout the world.

The College offers the students a range of learning opportunities and is committed to imparting holistic and value based professional education to the students. The faculty members are leading professionals in their fields of practice and effective teaching, mentoring and research work are their top priorities. The college has been making rapid strides in academic performance, infrastructure development, employability of its graduates, service to the society, industry institute interaction and research work.



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An Autonomous Institution

“Knowledge, Service and Progress”



Management Profile

F o u n d e r & C h a i r m a n

The founder and Chairman, Mr.S.Mohamed Jaleel,B.Sc.,B.L., strongly believes that providing quality technical education is a noble service to the society . He has great ambition to provide excellent academic ambience and higher education in south Tamil Nadu. He has been serving the needy ever since his school days. He was an illustrious student in St.Joseph's College, Trichy. He came out with flying colours and joined law and was awarded a Degree of Bachelor of Law by Madras Law College. With a vision to impart technical knowledge to the economically, socially and industrially backward people, the Founder & Chairman established Sethu Insitute of Technology at Pulloor village near Kariapatti in Virudhunagar District in the year 1995. He has been successful in his pursuit of offering quality education to rural poor. Thousands of rural students are being benefited by his philanthropic attitude. His outstanding service to the humanity has crowned him with many awards like Communal Harmony Award by Victoria Edward Hall, Madurai.

He is the President of self-financing Engineering College Management Association of Anna University – Tirunelveli. He was a member of the Vice-Chancellor search committee of Madurai Kamaraj University in the year 2001. He was also nominated as Syndicate Member of the Anna University – Tirunelveli in the year 2008. His service to the rural people is a constant endeavour that makes him a living legend. It is the courage and conviction of our Chairman that has taken Sethu Institute of Technology to soaring heights within a span of twenty eight years.

Management Profile



Chief Executive Officer

Mr.S.M.Seeni Mohaideen, B.Com.,MBA., is the trust member of Sethu Educational Trust and also the Chief Executive Officer. He is a personality with heterogeneous abilities that map into his performance. He did his Master's in Business Administration at The New College Institute of Management, University of Madras .

The Chief Executive Officer was the Syndicate member of Tamil Nadu Open University and also the former President of Tamil Nadu Football Association. He is a sportsman and an athlete nurturing the sporting spirit which is vital for the wholesome development. He devotes himself ardently to promote excellence in Administration, Industry Institute Interaction, Accreditation, Faculty Appraisal, Placement and Sports activities in the College. He is the inventor of 30+ inventions. Sethu Institute of Technology is crowned with his outstanding contribution in Intellectual Property Rights. His desire, commitment and accomplishments brighten up the lives of SITians.



Joint Chief Executive Officer

Mr. S. M. Seeni Mohamed Aliar Maraikkayar, B.E.,M.E., MBA., (Ph.D) is the trust member of Sethu Educational Trust and also the Joint Chief Executive Officer. He is an outstanding administrator who evinces a keen interest in the development of the institution. He did his Master's in Business Administration at Coventry University, London, UK.

He is armed with an infallible spirit of fortitude awakening in raising the educational of students to the pinnacle of excellence.

The Joint Chief Executive Officer has obtained a grant of Rs.50 Lakhs for his R&D Projects

Management Profile



Director -Administration

Ms. S.M. Nilofer Fathima, B.E.,M.B.A, is the trust member of Sethu Educational Trust and also the Director Administration. She is an efficient administrator and she meticulously plans for the growth and development of the Institution. She did her two fold MBA in Madurai Kamaraj University and Anna University.

She has perfect blend of Professional Excellence and Intellectual Accomplishments. As the Director of Administration, she empowers the college to promote excellence in engineering, technical and professional education.



Director - R & D

Dr. S. M. Nazia Fathima, B.Tech.,M.E., Ph.D., is the trust member of Sethu Educational Trust and also the Director R&D. She is a prominent scholar with comprehensive proficiency in research and development activities.

As the Director of R&D, she is an indomitable personality with a vision to fortify the Institution through her novel ideas in the expanse of research. She is a technical prodigy and her expertise pilots the institution in the path of glory.

The Director - R&D obtained an award of Rs. 11 lakhs under the DST – Lockheed Martin – Tata Trusts IIGP 2.0 University challenge 2019.

From Advisor...



We Warmly Welcome

We warmly welcome you to the portals of Sethu Institute of Technology, a centre of excellence in technical education. Sethu Institute of Technology aims to impart quality technical education to all the students. We provide a holistic learning ambience with well-qualified and dedicated faculty members.

Our students are motivated to excel in their studies. We provide ample opportunities to participate in technical competitions, cultural programmes and sports activities. We care to provide training to the students and place them through campus interviews. Faculty and students are motivated to involve themselves in research and development activities to become competitive professionals and contributing citizens.

With hearty wishes,

Dr.A.Senthil Kumar
Advisor

Principal's Desk...

The SIT stands as one among precious Engineering Colleges in southern side. It is a pleasure for the faculty members and the students to be a part in SIT. Our engineering educational system is aligned with the nature of technology and industrial changes. To make the student industrial ready, the team of laudable faculty members and academicians at SIT is committed to nurturing recent technologies and leadership skills among the students to become proficient engineers. Experiential learning is adopted in teaching learning process which permeate an entrepreneurial skill among the students. The training and placement cell here facilitate students to inculcate managerial and administrative skills and develop required learning skills. Our engineering educationalists acquainted with existing practices in industry, bring in innovation and improvements. In short, we transform the students to meet the industrial and societal needs

Best Wishes,

Dr.G.D.Sivakumar
Principal in-charge





ADMISSION CRITERIA FOR NRI / FN / PIO / OCI / CIWGC SEATS

MINIMUM ELIGIBILITY MARKS FOR NRI

S.No	Community	A Pass with Minimum average marks in Mathematics, Physics and Chemistry put together in the qualifying examinations	
		NRI	FN / PIO / OCI / CIWGC SEATS
1	General Category (OC)	45 %	45%
2	Reserved categories including BC / BCM / MBC / DNC / SC / SCA / ST	40 %	

Candidates must have passed the qualifying examinations, Indian System (10+2 Pattern) or its equivalent (Completed 12 years of school education).

The candidates must have studied in English Medium.

NON-RESIDENT INDIAN (NRI)

Non-resident Indians are people of Indian birth or descent who live outside the Republic of India. An Indian Citizen who stays abroad for employment / carrying on business or vocation outside India or stays abroad under circumstances indicating an intention for an uncertain duration of stay abroad is a non-resident.

FOREIGN NATIONALS (FN)

A Foreign National is a person who is not a citizen of the host country in which he or she is residing or temporarily sojourning.

OVERSEAS CITIZENS OF INDIA (OCI)

The Overseas Citizenship of India (OCI) is an immigration status authorized for a foreign citizen of Indian origin to live and work in the Republic of India indefinitely.

PERSONS OF INDIAN ORIGIN (PIO)

Persons of Indian Origin Card (PIO Card) is a form of identification issued to a Person of Indian Origin who has held a passport in a country other than Afghanistan, Bangladesh, Bhutan, China, Nepal, Pakistan and Sri Lanka.

CHILDREN OF INDIAN WORKERS IN GULF COUNTRIES (CIWGC)

Children of Indian expatriates in Gulf countries.

QUALIFYING EXAMINATIONS

- GCE Examination of U.K. with pass grades in five subjects at the Ordinary Level (O level) and two subjects at the Advanced Level (A Level).
- Higher School Certificate Examination, University of Cambridge Local Examinations Syndicate, U.K.
- International Baccalaureate Examination of Geneva. High School Graduation from accredited Institutions of USA.
- 12 Years High School Diploma from China.
- 12 Years High School Graduation Diploma of International School, Bangkok / Grade 12 Examination of Ruam Rudee International School, Bangkok / 12 Years High School Diploma of Adventist English School, Bangkok Mathayom VIII, Final Examination of Upper Secondary Education Course; Final Examination of Secondary Education Course; Mathayom Suksa, 5 Pre-University Final Examination (12 Year Course) in Ministry of Education, Thailand.
- 12 Years High School Graduation Diploma from Myanmar.
- Ethiopian school leaving certificate (12 years course) Ministry of Education, Sultanate of Oman and Yemen.
- 12 Years High School Graduation Diploma from Syria.
- 12 Years of Secondary Stage qualifications of National Examination Board / Council of Ministries of Education from Kenya, Nigeria, Sudan, Tanzania and Uganda.
- 12 Years General Secondary School Certificate of Ministry of Education, Sultanate of Oman and Yemen.
- SMA/SLTA/Senior High School/Secondary School Advanced stage exams from Indonesia.
- Intermediate Science Course, Kathmandu University, Kathmandu, Nepal
- Intermediate / Senior Secondary / Higher Secondary / 12 Years High School Diploma / Certificate Level Examination of the approved Board / Council of Secondary Education from Bangladesh, Sri Lanka, Iran, Iraq, Bahrain, Kuwait, Jordan, Saudi Arabia, UAE and other Gulf Countries.
- Sijil Tinggi Persekolahan Malaysia (STPM) of Ministry of Education, Malaysia / Matriculation Science Course of National University of Malaysia / 12 Years Matriculation Science Certificate of University of Malaya & University of Science, Malaysia.

RESIDENCE FOR NRI

*Hostels of International standards
with Air- conditioned rooms are available for students.*



Department of Mechanical Engineering



The Department of Mechanical Engineering, the pioneer and the most popular branch of engineering offers both B.E. and M.E. degree programmes. The Department is accredited by NBA Tier -1 (Washington Accord). The experienced faculty members persistently adopt innovative methods to set global Standards. It has modern laboratories to impart practical training. The Department is recognized as research centre by Anna University, Chennai. The Department is accredited by National Board of Accreditation (NBA), New Delhi under Tier-1 (Washington Accord).

The Department has received fund for modernization of laboratory from AICTE. The Department of Mechanical Engineering signed MoU with leading industries and offers consultancy work to Hi Tech Arai Pvt.Ltd., Sunpressing Pvt.Ltd., etc. The students have won in many National level competitions through the effective training of the Department.



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Department of Mechanical Engineering



Major Placement Recruiters

- TECHNIP INDIA PVT LTD
- COASTAL ENERGEN PVT LTD
- SANMAR
- J.K.FENNAR
- TCS
- BRAKES INDIA PVT LTD
- WHEELS INDIA PVT LTD
- FAURECIA
- RENAULT NISSAN
- ROYAL ENFIELD
- GOFRUGAL
- TVS TYRES
- TVS SUNDARAM FASTENERS
- STEEL STRIPS WHEELS INDIA
- SUN PRESSING PVT LTD
- SPIC
- CASTWEL AUTO PARTS PVT LTD

Department of Computer Science & Engineering

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

The Department of Computer Science and Engineering keeps up with the pace of the information age that has universal permanence. The Department accredited by NBA under Tier I (Washington Accord). The department offers both B.E and M.E degree programmes. The department is recognized as research centre by Anna University, Chennai. The focus of the department is to produce computer engineers for the innovative systems and product development in hardware and software across all industries. Realizing the importance of rapid advancement in the recent technologies, all the labs including the research labs are well equipped, updated and upgrad as per the requirement and demand of industries.

The department has received fund for modernization of laboratory from AICTE. The department has organized many International/National Conferences, FDPs, Seminars and Workshops sponsored by various funding agencies like AICTE, DST,ISRO,CSIR,Anna University, and TNSCST. The department always motivates the students to participate in various national level contest and give effortless training in order to get a better placement.



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Department of Computer Science & Engineering

Major Placement Recruiters

- KAAR TECHNOLOGIES
- WIPRO TECHNOLOGIES
- ATOS / SYNTEL
- HCL
- TCS
- AMAZON
- IBM
- ALTRAN
- ACCENTURE
- GOFRUGAL TECHNOLOGIES
- INFOVIEW
- CTS
- ZOHU CORPORATION
- INFOSYS
- VURAM
- HEXAWARE TECHNOLOGIES
- ASPIRE SYSTEMS
- AMERICAN MEGA TRENDS
- VERNALIS
- SOFT SQUARE
- VERIZON
- MAVERIC SYSTEMS



Department of Electronics & Communication Engineering

ELECTRONICS AND COMMUNICATION ENGINEERING

The vast scope and growing demand for Electronics and Communication Engineering has made this programme the preferred career choice of many. The department offers quality education at both UG and PG levels. The department with its state of the art laboratories and team of well qualified and dedicated faculty members has carved a niche in sculpting the students for a bright career. The department has been recognized as Research centre by Anna University, Chennai. The Department is accredited by National Board of Accreditation (NBA), New Delhi under Tier-1 (Washington Accord).

The department of ECE has received funds from DRDO for the Research project on Innovative antenna design using Nano ferrite materials. DST Lockheed Martin -Tata Trusts MGR 2.0 for the research project on " Low cost BMD Device for Detection of Osteoporosis"



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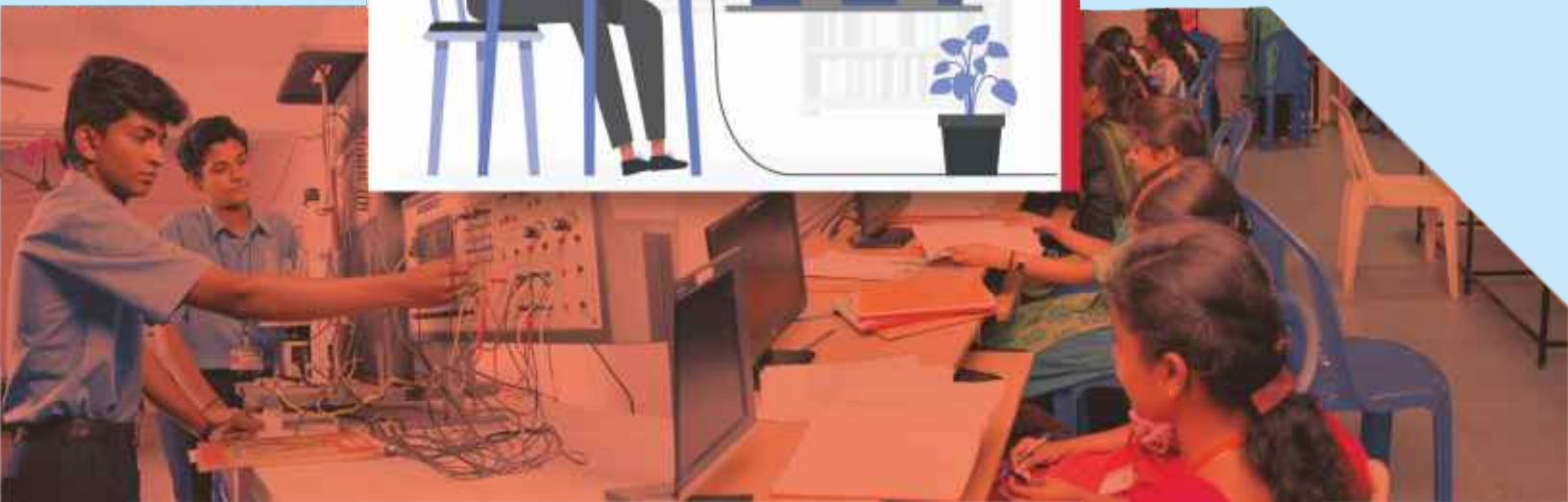


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Department of Electronics & Communication Engineering

Major Placement Recruiters

- TATA CONSULTANCY SERVICE
- DATA PATTERN
- CTS
- SOLARTIS TECHNOLOGY SERVICE
- VURAM TECHNOLOGIES
- INFOSYS
- HEXAWARE
- GROWSMART SMB SOLUTIONS Pvt.Ltd
- ASPIRE SYSTEMS
- BROADCOM
- CADENCE
- BUDDY HEALTH
- VERNALIS
- HCL TECHNOLOGIES
- SANMINA
- TESSOLVE PVT. LTD
- VDIME INNOVATIVE NETWORKS Pvt.Ltd
- CRYSTAL DELTA



Department of Electrical & Electronics Engineering



The Department offers U.G. and PG. programmes with the aim of producing sound technical background among the students in the areas of Electrical & Electronics Engineering. The Department is accredited by National Board of Accreditation (NBA), New Delhi under Tier-1 (Washington Accord).

The Department is embellished with competent members of faculty. The labs are well-structured with modern machines and equipment. The feather in the cap of EEE department is successful launch of MNRE subsidiary project of 75kW solar photo voltaic power generation system and received a Project Grant of Rs.60 lakhs from DST and DRDO. Consultancy work in the field of Energy Auditing and Automatic Power Factor Controller is carried out in companies such as Prabhu Paints, Unique Controls & Automation, PS Power Controls and Sundaram Industries Limited.



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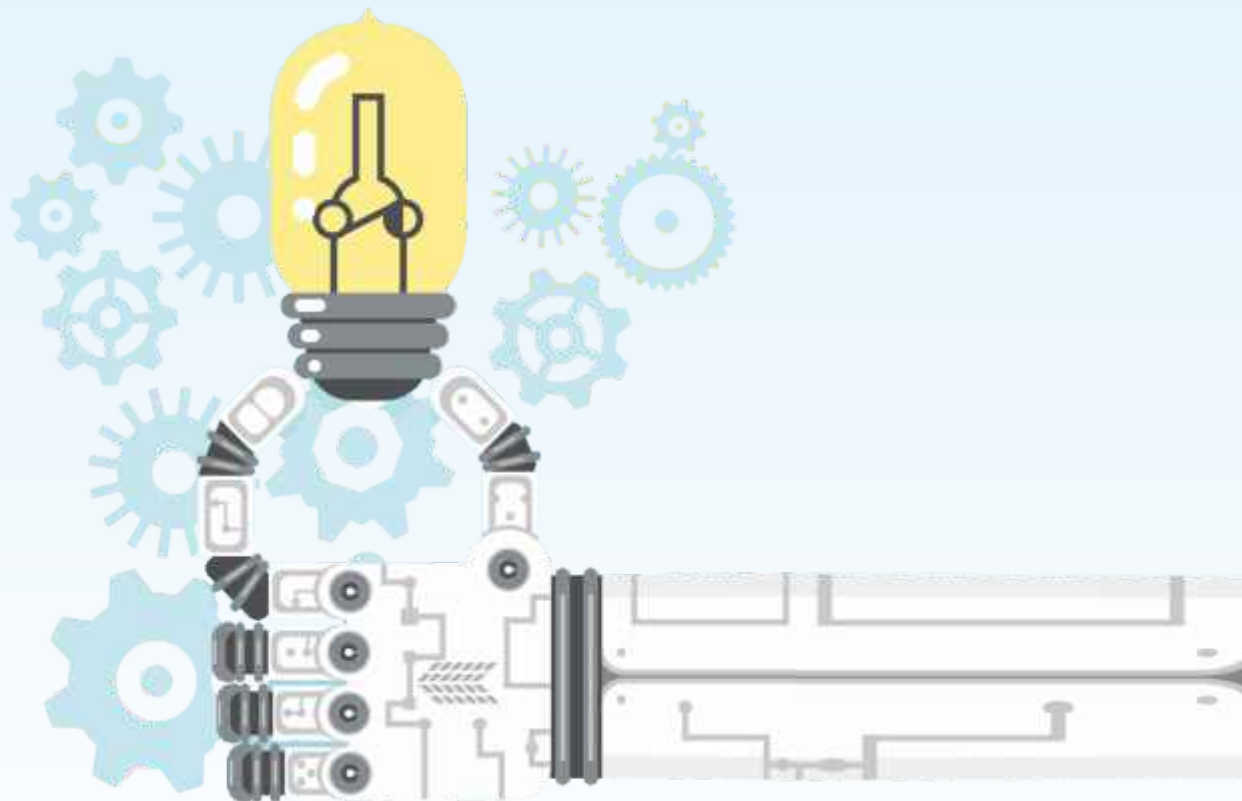


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Department of Electrical & Electronics Engineering

Major Placement Recruiters

- TATA CONSULTANCY SERVICE
- Zoho CORPORATION
- VURAM TECHNOLOGIES
- AMPHISOFT TECHNOLOGIES
- ODESSA TECHNOLOGIES
- SH ELECTRONICS
- VANJAX PVT LTD
- E-CON SYSTEMS INDIA PVT LTD
- JASMIN INFOTECH PVT LTD
- HCL TECHNOLOGIES
- SANMINA
- MAVERIC SYSTEMS,
- TESSOLVE PVT. LTD.,
- GBOXZ
- SOFT SQUARE
- CHAINSYS



Department of Information Technology

DEPARTMENT OF INFORMATION TECHNOLOGY

The Department offers under graduate programme in Information Technology and it has state of Art Laboratory facilities and well qualified faculty members.

The Department enjoys a high placement record by offering highly employable & industry - ready Curriculum.

The Department travels an extra mile in equipping students to take challenging application based projects suitable for industry environment and motivating them to participate in symposiums and conferences.

The Department has been Re - Accredited by NBA Under TIER - I (Washington Accord)

The Department has signed MoUs with many leading industries and offering consultancy services in the field of web development, software development in India and abroad



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Department of Information Technology

Major Placement Recruiters

- TATA CONSULTANCY SERVICE
- ZOHU CORPORATION
- VURAM TECHNOLOGIES
- AMPHISOFT TECHNOLOGIES
- JADFOCUS
- VERNALIS
- ARICENT
- INFOSYS
- HCL TECHNOLOGIES
- GODBTECH
- IVTL INFOVIEW
- SOLARTIS
- MAVERIC SYSTEMS
- SYNTEL
- ELYSIUM TECHNOLOGIES PVT. LTD



Department of Civil Engineering



The Department of Civil Engineering creates world class engineers with professional knowledge through advanced teaching learning methods.

The Department has well qualified faculty members and well equipped laboratories to promote technical knowledge and research. The Department has signed MoUs with many leading industries and consultancy is offered to Government Departments and Private Builders.



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Department of Civil Engineering

Major Placement Recruiters

- TATA CONSULTANCY SERVICES
- HUNTER DOUGLAS
- CADeploy ENGINEERING
- ELITE CONSTRUCTION
- GOFRUGAL
- V-INFRA PVT LTD
- HCL TECHNOLOGIES
- GOFRUGAL
- CADD MASTER 5C
- GLOBAL PROJECTS GEO SURVEY
- INVESTIGATION
- SOLARTIS TECHNOLOGY SERVICE
- ZEALOUS
- GODBTECH
- LADDER SURVEYING INSTITUTE OF TECHNOLOGY
- VEL BRICKS



Department of Agriculture Engineering



Agriculture Engineering (AE) is the area of engineering concerned with the design, construction and improvement of farming equipment and machinery. Agricultural engineers integrate technology with farming and use the latest technology to advance environmental issues and activities. Students have the opportunity to study machine components and equipment, testing agricultural machinery to ensure safety and performance and providing leadership on water and environmental concerns.

The agricultural engineer helps to make farming sustainable, safe, and environment friendly. He / She analyze agricultural operations and weigh the use of new technologies and methods to increase yields, improve land use, and conserve resources like seed, water, fertilizers and fuel.

An agriculture engineering degree will open doors around the world in large corporations and small businesses, including careers in tractor, irrigation, dairy and food processing industry, structural design, agricultural power and equipment design and more.



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Department of Agriculture Engineering

Scope of Agriculture Engineering

- Agricultural Engineer
- Agricultural production Engineer
- Environmental Control Engineer
- Food Quality Engineer
- Agricultural Machinery Design Engineer
- Irrigation Engineer
- Agricultural Surveyor
- Landscape Engineer
- Rural Development Officer
- Agricultural Field Officer
- Dairy Plant Engineer
- Agricultural Entrepreneur
- Food processing Engineer



Department of Biomedical Engineering



*B*ioomedical Engineering is the only unique interface between engineering and healthcare in which knowledge of engineering can be utilized in healthcare to perfection. It involves studying all types of engineering ranging from Electronics, Computers, Mechanical, Chemical, Nanotechnology, Biotechnology along with Anatomy and Physiology. Biomedical Engineers help the doctors to design new instruments and procedures to diagnose diseases in early stage and treat them. Biomedical solutions impact the society to improve the lifespan of an individual. The enthusiastic and thoroughly professional team of faculty members backup the steady growth and development of the department.



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Department of Biomedical Engineering

Scope of Biomedical Engineering

Biomedical engineering is a technology which offers bright career prospects and opportunities in any country around the world and in various sectors.

- BIOENGINEER
- DESIGN ENGINEER
- CLINICAL ENGINEER
- BIO-INSTRUMENTATION ENGINEER
- RADIOLOGY ENGINEER
- REHABILITATION DESIGN ENGINEER
- HOSPITAL MAINTENANCE ENGINEER
- BIO- ROBOTIC DESIGN ENGINEER
- PHARMACEUTICAL ENGINEER
- SCIENTIST



Department of Computer Science & Business Systems

On the event of 25th glorious year of serving Engineering Education in the state of Tamilnadu, Sethu Institute of Technology has introduced a new 4 year regular undergraduate Bachelor of Technology degree programme in "Computer Science & Business Systems" (CSBS) with sanctioned intake of 60 from the academic year 2020-2021. CSBS is a highly recommended industry relevant programme in the field of Computer Science. The Department is recognized as research centre by Anna University, Chennai.

The Programme curriculum has been developed with the support of Tata Consultancy Services (TCS) with prime focus on Industry 4.0. Students graduating from the program not only know the core topics of Computer Science but also develop an equal appreciation of humanities, management sciences and human values. The students are also exposed to emerging topics such as Analytics, Machine Learning, Cloud Computing, Internet of Things etc to make them industry ready (100% Placement) at the end of four years of study. The course focuses on enhancing the following key attributes among graduating students



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- Understanding of Contemporary Technology
- Understanding of Technology Abstraction
- Knowledge of Common Business Principles
- Business Discipline and Service Orientation
- Innovation Ability
- Strong in Ethics and Life Values



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Department of Computer Science & Business Systems



JOBS OPPORTUNITIES

- Database Designer / Administrator.
- Human-Computer Interaction Specialist
- IS or IT Management
- Management Consultant
- Management, Systems, or Operating Research Analyst
- Business Application Developer
- ERP Administrator
- Business Decision Support Specialist
- Internet or Intranet Manager
- Programmer
- Software Developer / Publisher



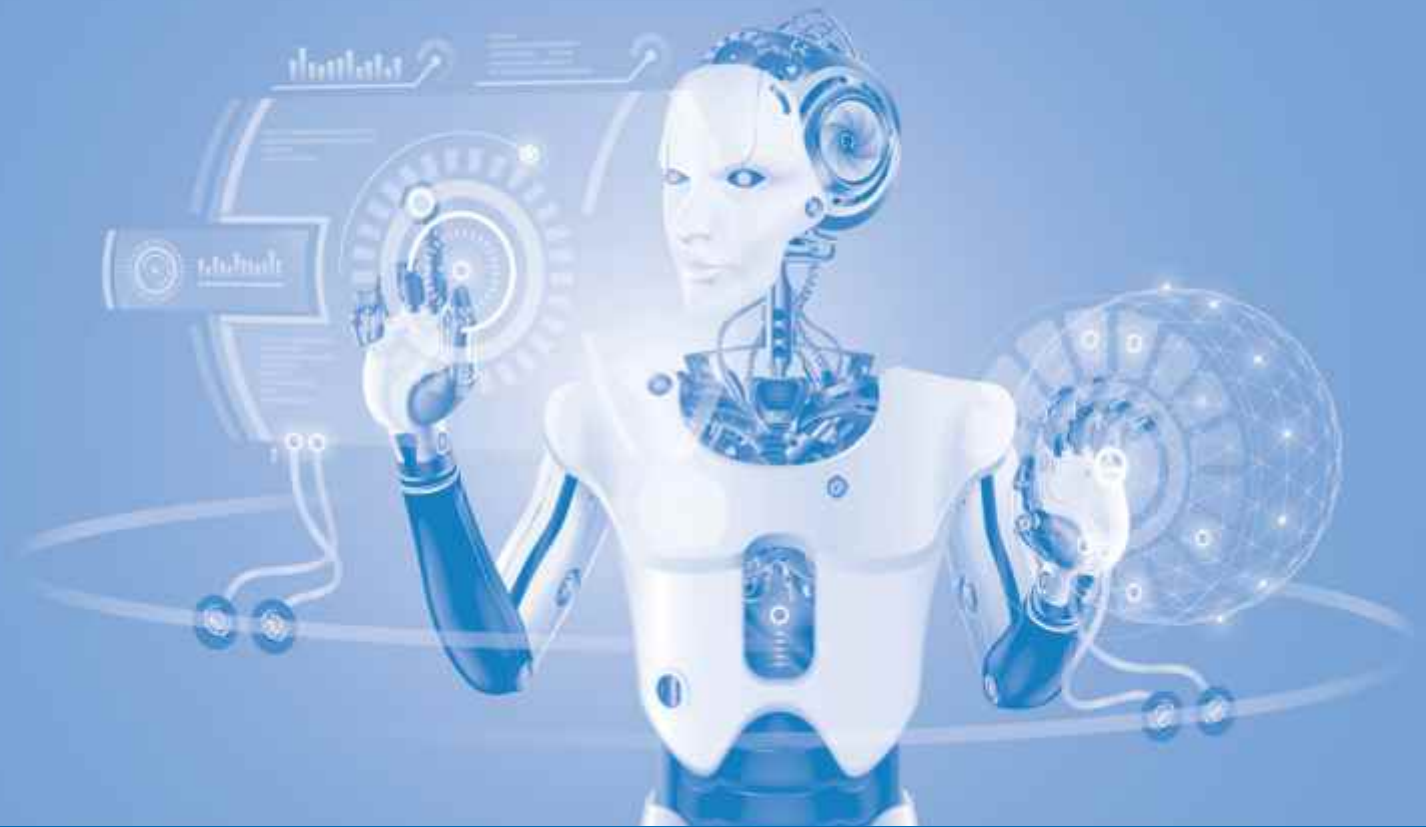


*B*iototechnology is a field of applied biology that involves the use of living organisms and bioprocesses in engineering, technology, medicine and other fields requiring bio-products. It is one of the fast growing career fields in India and abroad. With this foresight, our institution has taken a strategic initiative by starting the Biotechnology Programme in the year of 2020 to provide skilled human resource in this new Modern Biotechnology and to enhance the research in this area.

Students who are interested in the field of Engineering, Technology and Biology will find this branch attractive and suitable. It is because of the fact that this branch is a combination of both Engineering as well as Biology subjects. Biotechnology students have a vast scope as they can work in sectors of pharmaceuticals, agriculture, healthcare, food processing, bio-processing industries, nutrition, animal science, and energy and environmental conservation, drug and pharmaceutical research. They can also work as analysts and managers in research and development and quality control laboratories. Biotechnologists can be an active entrepreneurs starting biotech industries.



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Major Placement Recruiters

Biocon

Shantha Biotechnics Limited

Dr.Reddy's

Bharat Biotech

Glenmark

Bharat Serums and Vaccines Limited

Novozymes

Panacea Biotec

BrainWave Biotechnology

Serum Institute of India

Wockhardt

Cipla

Orchid Pharma

Aurobindo

Indian Immunologicals Limited

Glaxo Smith Kline

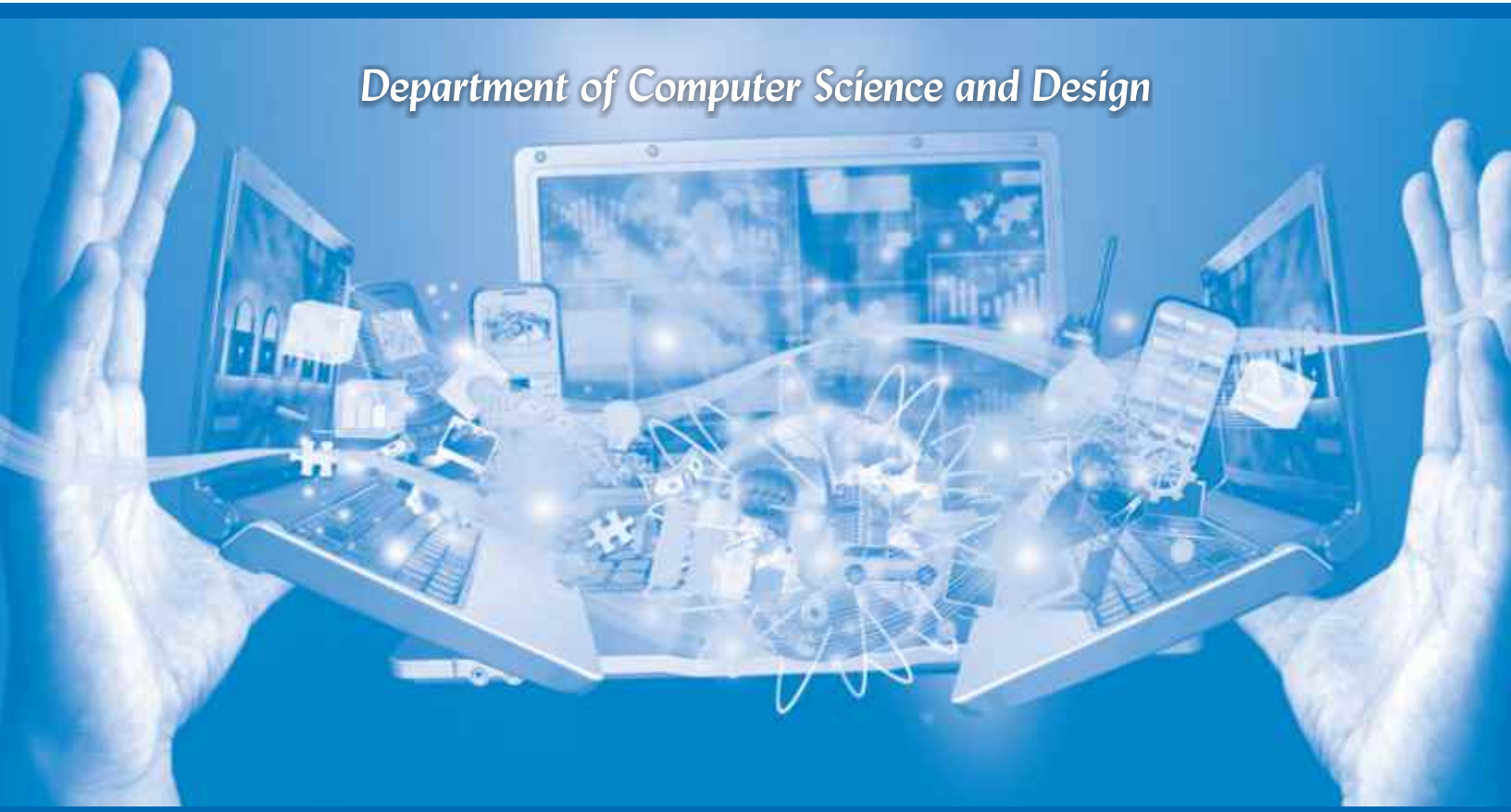


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Computer Science and design program is the best choice for the one who is willing to shine in IT industry as well as in media industry, gaming, animation, virtual / augmented reality etc.. As the digital media is getting expanded day by day the need for presenting a content with creativity has increased abundantly. Individuals with the skills of creativity and design and the ability to build reliable software will be increasingly in demand. This program has computer science courses as well as design courses. One can build their career path by opting electives in computer science and design courses. There'll be an increasing focus on user experience, Interaction Design and Design Methods in all IT products and services.

Department of Computer Science and Design



Job Opportunities

- Software and systems designer
 - Software engineer
 - System architect
 - User experience (UX) designer
 - User interface (UI) designer
 - Multimedia artist
 - Art director
 - Advertising & promotions manager
 - Film & video editor
 - Web designer
 - Video game designer
 - Flash Designer
 - Creative Director
 - Data Modeler/ Data Designer
 - Research Designer
 - Presentation Designer
 - Animator
 - Visual and Communication designer
-
- Research Scientist
 - Machine learning engineer
 - Machine learning researcher
 - Business Intelligence (BI) developer
 - Business Intelligence (BI) officer



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The program Artificial Intelligence and Data Science enhances the analytical skills of the students to perform intelligent data analysis. In today's digital world huge volume of data persists around us. There is no business without data. Artificial Intelligence is widely used to analyze such huge data to do lot of impressive tasks and jobs. From industry giants like Amazon and Google to even small startups are driving digital evolution with adoption of AI into their businesses. Since both data science and artificial intelligence are rapidly evolving fields, there is a vast scope for someone holding a professional degree in Artificial Intelligence and Data Science. The domains of automation, expert systems, cyber, economics, medicine, defense, video games, agriculture etc. are getting advanced by means of these dynamic technologies. This program aims to provide

- Core programming skills and techniques, including designing and coding applications, and the important principles of code design and development.
- Artificial intelligence tools and techniques, including problem-solving, knowledge representation, machine learning, computer vision, human-computer interactions.
- Data science tools and techniques, including the principles of data science, data analysis, visualization and interpretation, and the use of “big data”.

Department of Artificial Intelligence and Data Science



Job Opportunities

- Artificial Intelligence Engineer
- Software and systems designer
- Software engineer - AI specialist
- System architect - AI specialist
- IT manager
- Business Analyst
- Data Analyst
- Database Administrator
- Data Architect
- Data and Analytics Manager
- Data Journalist
- Intelligence Analyst
- Data Manager
- Information Security Analyst
- Risk Analyst
- Machine Learning Engineer
- AI & ML Lead
- Data Scientist
- Deep Learning Engineer
- Data Engineer
- NLP Engineer
- NLP Analyst



Department of Computer Science and Engineering (Artificial Intelligence and Machine Learning)



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B.E. Computer Science and Engineering (Artificial Intelligence and Machine Learning) is designed to provide knowledge and skills to the students enabling them to impart intelligence to systems and machines through programming.

- As modern systems provide intelligent solutions through machine learning, there is a vast scope for someone holding a professional degree in artificial intelligence and machine learning. With a huge explosion in data and its applications, a career in the field of AI&ML can be very promising as Big Data Engineer, Business Intelligence Developer, Data Scientist, Machine Learning Engineer, Research Scientist, AI Data Analyst, AI Engineer, Robotics Scientist, etc.
 - With a specific job description on AI&ML, students have been recruited by reputed industries like Microsoft, Amazon, Goldman Sachs, Oracle GBU, Cisco, Dell Technologies, Accenture, among others. From the IT sector to healthcare, AI&ML has proven its worth.
 - The future roles are many with AI&ML as the foundation. The graduates of the program can pursue higher education and research at premier national or international universities with a great future in research. Graduates from this program will be groomed towards their career prospects on par with Industry expectation
- 

Department of Computer Science and Engineering

(Artificial Intelligence and Machine Learning)

Job Opportunities

- Artificial Intelligence Engineer
- Software and systems designer
- Software engineer - AI specialist
- System architect - AI specialist
- IT manager
- Business Analyst
- Data Analyst
- Database Administrator
- Data Architect
- Data and Analytics Manager
- Data Journalist
- Intelligence Analyst
- Data Manager
- Information Security Analyst
- Risk Analyst
- Machine Learning Engineer
- AI & ML Lead
- Data Scientist
- Deep Learning Engineer
- Data Engineer
- NLP Engineer
- NLP Analyst

Department of Computer Science and Engineering (Cyber Security)



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Cyber Security technologies, Procedures, and Practices are intended to guard Networks, Computers, Programs, and Data against detriment or unauthorized access. Cyber Security also deals with substantiation discovered in Cyberspace and Digital Storehouse Media. Therefore, it is crucial to have the right information security procedures in place to protect it. Cyber-attacks pose a threat to a wide range of sectors, including Small and Medium-sized Enterprises (SMEs), Healthcare, Government agencies, Energy, Higher Education, Information Technology and Telecommunications, Human Resources and Recruitment.

The specialization in Cyber Security is one of the most in-demand areas of IT, combining sophisticated security elements, practical application, and security implications within a company. This program will train the students for careers in Cyber Security, Application & Software Security, and Cyber Law Enforcement.





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Department of Computer Science and Engineering (Cyber Security)

Job Opportunities

- Network Security Engineer
- Cyber Security Analyst
- Cyber Security Architect
- Cyber Security Specialist
- Cyber Security Manager
- Cyber Security Officer
- Chief Information Security Officer (CISO)
- Cyber Defence Analyst
- Digital Forensics Investigator
- Digital Forensics Specialist
- Digital Forensics Analyst



Computer Science and Engineering (Internet of Things)



Job Opportunities

- IoT/Cloud Software Developer
- IoT Infrastructure Architect
- IoT System Administrator
- Vulnerability/Cyber Engineer
- Security Engineer
- Embedded Program Engineer
- Test Engineer



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Department of Chemical Engineering



Chemical Engineering is a discipline influencing numerous areas of technology. In broad terms, Chemical engineers conceive and design processes to produce, transform and transport materials - beginning with experimentation in the laboratory followed by implementation of the technology in full - scale production. Chemical engineers are in great demand because of the large number of industries that depend on the synthesis and processing of chemical and materials. Chemical engineer will possess a complete and quantitative understanding of both the engineering and scientific principles underlying these technological processes.



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Department of Chemical Engineering

Scope of Chemical Engineering

Scope of Chemical Engineering ranges from core Oil and Gas, Mineral processing, Pharma, Polymers to Pollution Control. Chemical engineers are required both in Govt (BPCL, ONGC) and Private sectors.

Chemical Engineering graduates can find potential opportunities in sectors such as Petrochemical industries, Petroleum refineries, Cement Factories, Food Processing and Technology units, Fertilizer Factories, pharmaceutical industries, Biotechnology Sector, etc.

Chemical Engineering are in demand at

- Mineral - based industries
- Synthetic fiber units
- Petroleum refining plants
- Chemical industry
- Textiles sector
- Plastics
- Explosives
- Paint Manufacturers.



Salient Features



Sethu
Institute of Technology
An Autonomous Institution

- ✓ Accredited by National Assessment and Accreditation Council (NAAC) with 'A++' Grade
- ✓ The college has been consistently ranked under PLATINUM category in AICTE CII survey for the past 5 years.
- ✓ NBA Accreditation of Programs under Tier - 1 Washington Accord
- ✓ The College has been ranked at 56th Position in All India level among the Private Engineering Colleges in India by Times Survey 2018
- ✓ The college has been rated in AAA+ category among all affiliated Engineering Colleges of Tamil Nadu by CAREERS 360 Survey 2019
- ✓ Well equipped Labs in all branches and fast internet access with 1 Gbps & Wifi enabled campus
- ✓ More than 100 Ph.D. holders in all departments and more than 90 faculty members pursuing Ph.D
- ✓ Recognized as Scientific and Industrial Research Organization (SIRO) by the Department of Scientific and Industrial Research (DSIR), Ministry of Science and Technology
- ✓ Total Grant Received from Various Funding Agencies ₹ 7.08 Crores
- ✓ Encouraging students for innovation and Research activities.
More than ₹ 5 Lakh cash award for best innovation and research projects
- ✓ Preparing the students for the global market through Foreign Languages training in French, German, Japanese and BEC
- ✓ Enhancing the communication & leadership skills of the students by International Toastmasters Club & Gavel Club
- ✓ MoUs signed with Foreign Universities: AIMST University, Malaysia, MMU University, Malaysia & Infrastructure University, Malaysia
- ✓ Canteen with Non veg foods are available
- ✓ Separate hostel facilities with all amenities for both boys and girls.





Sethu
Institute of Technology
An Autonomous Institution

- ✓ College is Permanently affiliated to Anna University, Chennai

- ✓ Competent, Experienced and Qualified Faculty members

- ✓ Department of MECH, CSE, ECE, EEE, CSBS, Physics and Chemistry have been recognized as Research Centres by Anna University, Chennai

- ✓ More than 95% of students have been placed in various MNCs every year

- ✓ State level Intellectual Property Rights Award for Fourteen Patents of Innovations

- ✓ Institution Innovation Council under MHRD with Three Star Status to promote Innovation
 - Student Privileges for Amazon Web Services (AWS)
 - Learning through Oracle Platform
 - Infosys Campus Connect Springboard
 - IIT-Bombay e-Yantra Robotics Lab
 - Centre of Excellence in Robotics, AI, IoT and Signal & Image Processing domains

- ✓ Modern and well equipped digital library with well stacked books and journals

- ✓ Well organized Training and Placement Programs offered to our students

- ✓ The Mineral Water plant with Reverse osmosis for drinking water to staff and students

- ✓ Mosque for Five times Prayers & Special Foods for Fasting are available in the campus

- ✓ Lift and Ramp Facilities are available for the Physically Challenged Candidates

- ✓ Choice Based Credit System (CBCS)

- ✓ Medical facilities and 24 hours Ambulance service

- ✓ Ideally located on the National Highways of Madurai – Tuticorin NH 45B

- ✓ Just 15 minutes travel from Madurai International Airport to college

- ✓ Bus and Train transport also available nearby



Glimpses Of Facilities



ATM Centre

The ATM centre available on campus are highly beneficial to the staff, students and the public.

Health Care

The faculty and students can make use of the dispensary located in the college premises. A Medical Officer visits the campus everyday. A residential nurse is available for medical care. An ambulance is available to meet any emergency.

Reprographic Center

An exclusive Centre for reprographic facilities is available inside the campus to cater to the needs of students as well as staff.

Post Office

Postal Service is available inside the campus and it is useful to the students and staff. The Post Office renders its service to the inhabitants in and around Pulloor.

Stationery Store

A shop that has all kinds of stationery & eatables are available for the benefit of the students.

Telecom Centre

The students utilize the services of telecommunications through the phones available in Telecom centre to make STD/ISD calls.

Sewage Water Treatment Plant

As a part of sustainable development, The College has a Sewage treatment Plant (STP) worth Rs. 63 Lakhs with a treating capacity of 4 Lakh litres per day (400 KLD).

Mineral Water

A mineral water plant with reverse osmosis provides clean drinking water to staff and students.

Power Backup Unit

Three generators with the capacity of 320kVA, 125kVA, 82.5 KVA and 62.5 kVA provide uninterrupted power supply at the time of power failure.

Solar Power Plant

Four Solar Generation Plants with total capacity of 73 KW provides uninterrupted power supplies



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Glimpses of Lab Facilities





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Glimpses of Lab Facilities



Training & Placement Cell

Training & Placement Cell forms the backbone of the modern education system. The Placement Cell is dedicated to facilitate 100% placement for the students studying in this institution. It is powered with a team of untiring faculty members from all departments assisting the Dean Placement and the Placement Officer. The Placement Cell has organized about 101 Placement Programs both On - Campus and Off-Campus and Placed 702 students during the academic year 2022- 23.

The Training Division hones the innate talents of the students. The Training Division provides training on the areas where the students need to build skills. The team of Training Division exhibits its potential by bringing guests from reputed organizations to update the latest skills required in the industry in an industry perspective. The Training and Placement cell is exclusively working for the following thrust areas.

- ▶ Quantitative and logical reasoning
- ▶ Communication and soft skill
- ▶ Technical training in C, C++, Java etc.,
- ▶ Technical training in Core Subjects

Business English Certificate Course (BEC)

With the advent of globalization and liberalization, the world has come under one umbrella. Hence English has become a universal language. In order to improve the proficiency in English language, Business English Certificate Course is provided for our students. This training has brought about a great change in their command over English.

Foreign Language Training

The Training Division also conducts classes for foreign language. This is one of the most value additions to our students and has helped in rich dividends in the placement arena. The following are the foreign languages that are being imparted to our students

- Japanese
- French
- German

Memorandum of Understanding Signed (MoU)

In order to bridge the gap between the Institution and the Industry, our college has signed MoU with various renowned multi-national industries to cater the need of the students for In plant training, project assessment, internship as well as for recruitment. The following is the sample of few MoUs, the College has signed with the industries.

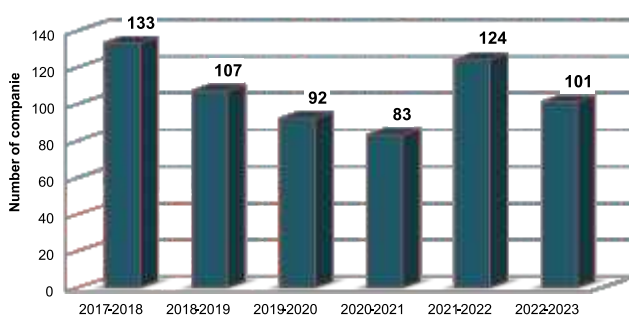
- ▶ TATA Consultancy Services(TCS), Chennai
- ▶ IBM India Pvt Ltd. Bangalore
- ▶ Infosys Technologies Limited, Chennai
- ▶ TVS Infotech, Chennai
- ▶ Sure Soft, Pondicherry
- ▶ FL Smidth , Chennai
- ▶ Edify Path, Chennai
- ▶ Besant Technologies, Chennai

International Placements

The training and placement cell not only focuses on internal placements but also focuses on international placements too. The Training & Placement Cell undertakes lot of efforts to place our students in foreign countries. The following are the overseas companies who recruit our students

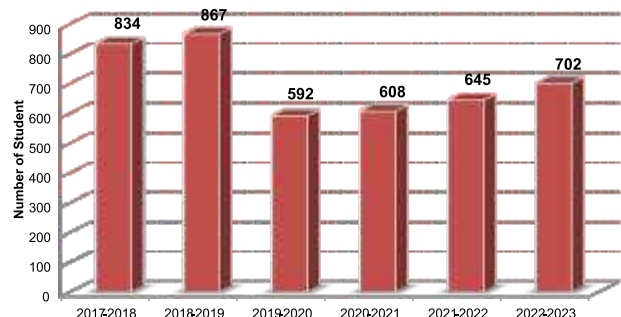
- ▶ Huda lighting, Dubai
- ▶ Varian medical systems, Muscat
- ▶ Global suhami, Saudi Arabia

Number of Placement Drives Organized



Yearwise Companies Visited

Number of Students offered



YEARWISE PLACED

Our Esteemed Recruiters



Club Activities

Clubs are imperative part of college life. A club is a group of students organized with similar interest for a social, literary, or other common purpose. Students have the opportunity to choose and join these groups for many reasons including pursuit of individual interest, career networking opportunities, social camaraderie etc. All the students should be strongly encouraged to pursue club and organizational membership opportunities to help them enrich their college experience. The following are the active students clubs of the college.

Clubs

1. Red Ribbon Club
2. Eco Club
3. Photography Club
4. Rotaract Club
5. Toastmasters club
6. Fine Arts Association
7. National Service Scheme
8. Youth Red Cross Society
9. Research Forum
10. Yi Club

Cells

1. Women Empowerment Cell
 2. Entrepreneurship Development Cell
 3. Innovation Cell
 4. International Relations Cell
- This Cell has signed MoU with the following International Universities :

- **Asian Institute of Medicine, Science and Technology (AIMST) University, Kedah, Malaysia**
- **Multimedia University, Malaysia**
- **Infrastructure University, Kuala Lumpur**

Sethu Research Forum promotes Research activities and around 150 faculty members are doing Research and Innovation work in various fields. With the fruitful effort of the Research Forum, our College has obtained funds for Research and Innovation activities.

Research and Development Activities:

- The College has approved Research Centres of Anna University, Chennai for the Departments of Mech, CSE, ECE,EEE, CSBS, Physics & Chemistry
- More than 100 Faculty members have completed their Ph.D. and 90 Faculty members are pursuing their research in various Institutions leading to Ph.D. degree.
- More funded projects from various agencies like DST, DRDO, EDII, DST-SEED,NIAM-Startup, UBA, H-Social creator are in progress with a total amount of Rs.701 Lakhs.
- Our faculty members have published more than 600 research papers in the reputed Peer reviewed Journals.
- The College has received Funds for Improvement of Science and Technology from the Department of Science and Technology (DST-FIST)
- The College has received funds from AICTE for Modernization of Laboratories (MODROBS)
- The College has been recognized as Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research (DSIR).

ASTOUNDING ACHIEVEMENTS IN RESEARCH & DEVELOPMENT



In All India level Sethu Institute of Technology has been sanctioned the highest number of Innovative projects with a Total Grant of Rupees One Crore Eleven Lakhs and Seventy Five Thousand (Rs.1,11,75,000) by MSME 1.0, Government of India



In All India level Sethu Institute of Technology has been sanctioned the highest number of Innovative projects with a Total Grant of Rupees One Crore Twenty Six Lakhs and Ninety Five Thousand (Rs.1,26,95,000) by MSME 2.0, Government of India



We are also happy to announce that Sethu Institute of Technology won the first place in the All India Start-up Agribusiness Incubation Program held in Rajasthan and received Rupees Twenty Five Lakhs (Rs.25 Lakhs) from the Ministry of Agriculture Government of India



SETHU RESEARCH FORUM

MICRO, SMALL AND MEDIUM ENTERPRISES (MSME) PROJECTS

In All India level competition, the College was sanctioned highest number of projects by **Micro, Small and Medium Enterprises (MSME 1.0)** with a total grant of Rs.111.75

MSME 1.0
Rs.111.75 lakhs

Team Members:

Ms.A.Sabah Afroze, Research Scholar.
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Detection of Osteoarthritis using Thermal Images

Sanctioned
Amount:
Rs. 15 Lakhs

Team Members:

Mr.S.M.Seeni Mohamed Aliar Maraikkayar,
Research Scholar.
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Bionic Arms for Amputees

Sanctioned
Amount:
Rs. 15 Lakhs

Team Members:

Ms.A.Sabah Afroze, Research Scholar.
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Sanitary Napkin Disposal Machine

Sanctioned
Amount:
Rs. 15 Lakhs

Team Members:

Dr.S.Sivaranjani, Professor & Dean (CS & IT)
Dr.V.Akilandeswari, Associate Professor/IT

Title of the Project:

Automated Bagging Machine for the Oyster Mushroom Cultivation

Sanctioned
Amount:
Rs. 15 Lakhs

Team Members:

Dr.V.Akilandeswari, Associate Professor/IT
Dr.S.Sivaranjani, Professor & Dean (CS & IT)

Title of the Project:

Smart Assistive Robot for Hearing Impaired Children

Sanctioned
Amount:
Rs. 15 Lakhs

Team Members:

Dr.R.Tamilselvi, Professor/ECE
Dr.J.Vairamuthu, Assoc.Prof./Mech
Mr.M.Venkat, IV Mech

Title of the Project:

Tyre Pressure Regulator

Sanctioned
Amount:
Rs. 15 Lakhs

Team Members:

Dr.P.Meenalochini, Associate Professor/EEE
Ms.V.S.Chitra, Assistant Professor/EEE
Sri Varshini, III EEE

Title of the Project:

LTLC Detector

Sanctioned
Amount:
Rs. 10.75 Lakhs

Team Members:

Dr.M.Sheik Dawood, Professor/ECE
Ms.Devika, Assistant Professor/ECE
Ms.Brindha, IV ECE

Title of the Project:

Biopolymer for Eco-Friendly Bags

Sanctioned
Amount:
Rs. 11 Lakhs

SETHU RESEARCH FORUM

MICRO, SMALL AND MEDIUM ENTERPRISES (MSME) PROJECTS

In All India level competition, the College was sanctioned highest number of projects by **Micro, Small and Medium Enterprises (MSME 2.0)** with a total grant of Rs.126.95

MSME 2.0
Rs.126.95 lakhs

Team Members:

Mr.S.M.Seeni Mohamed Aliar Maraikkayar,
Ms.M.Kasthuri
Dr.R.Tamilselvi
Dr.M Parisa Beham

Title of the Project:

Thaisei Care

Sanctioned
Amount:
Rs. 15 Lakhs

Team Members:

Dr.V.Akilandeshwari
Dr.S.Siva Ranjani

Title of the Project:

AR EdutechInteractive Robo for Autism
Spectrum Disorder Children

Sanctioned
Amount:
Rs.12.75 Lakhs

Team Members:

Dr.Shunmugavel
Dr.R.Rubesh Selvakumar
Dr.K.Nagalakshmi

Title of the Project:

Cloud Data Analytics Stack for
Smart Farming

Sanctioned
Amount:
Rs.9.35 Lakhs

Team Members:

Mr.Mohammed Ilham Khan,
Dr.M.Parvathy
Ms.M.Mathina Kani
Ms.K.Priyadharsini

Title of the Project:

IoT and AI Based Smart Shopping Trolley

Sanctioned
Amount:
Rs.5 Lakhs

Team Members:

Mr.B.Vishnu Kumar
Dr.G.D.Siva Kumar

Title of the Project:

Drone Mail

Sanctioned
Amount:
Rs. 8 Lakhs

Team Members:

Mr.Manoj pandi Thangapandi
Dr.P.Meenalochini
Dr.G.Narmadha

Title of the Project:

Accident Alerting System

Sanctioned
Amount:
Rs. 15 Lakhs

Team Members:

Ms.R.Nageshwari

Title of the Project:

Fabrication of Smart Orthotic Calipers with
Nanofabrics for Physically Challenged Person

Sanctioned
Amount:
Rs.12.75 Lakhs

Team Members:

Ms.R.Nageshwari

Title of the Project:

Low Cost,Non-Invasive Microfluid Device
for Early Screening of Cancer

Sanctioned
Amount:
Rs.12.75 Lakhs

Team Members:

Mr.T.Saravana Kannan
Dr. B.Meenakshi Sundaram

Title of the Project:

FoodPackaging Materials from Rice Husk
Reinforced with Sodium Montmorillonite
and Titanium Dioxide Nanomaterials

Sanctioned
Amount:
Rs.12.75 Lakhs

Team Members

Mr.S.Sriram
Dr.T.Gangadharan

Title of the Project:

Stair To Ramp Converter Using Pneumatic
Cylinders for Disabled People

Sanctioned
Amount:
Rs.12.6 Lakhs

Team Members:

Ms.S.Nandhini, Mr.S.Vishnuprasad,
Dr.S.Mariaamalraj

Title of the Project:

Eco Friendly and Innovative Moss Bags
for Air Pollution Control

Sanctioned
Amount:
Rs.15 Lakhs

SETHU RESEARCH FORUM

PROJECTS SANCTIONED BY OTHER FUNDING ORGANIZATIONS

Projects Sanctioned by National Institute of Agricultural Marketing (NIAM)

Team Members:

Dr.M.Parisa Beham, Professor/ECE
Dr.R.Tamilselvi, Professor/ECE

Title of the Project:
E-Cotton

Sanctioned
Amount:
Rs.25 Lakhs

Projects Sanctioned By DST - SEED

Team Members

Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE
Dr.A.Merline, Professor/ECE

Title of the Project:
Fetal stress monitoring device

Sanctioned
Amount:
Rs.21.48 Lakhs

Projects Sanctioned By Hyundai Motor India Limited

Team Members:

Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:
FEMCARE

Sanctioned
Amount:
Rs.15 Lakhs

Project Sanctioned and Incubation support by IITM, Chennai in the NIDHI PRAYAS

Team Members:

Mr.S.M.Seeni Mohamed Aliar Maraikkayar,
Research Scholar
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:
Thaisei care

Sanctioned
Amount:
Rs.10 Lakhs

Project Sanctioned in Onion Grand Challenge, Ministry of consumer Affairs Food and Public Distribution

Team Members

Dr.V.Akilandeswari, Associate Professor/IT
Dr.M.Poomani@punitha, Professor/IT

Title of the Project:
Automated Grading Machine

Sanctioned
Amount:
Rs.5.75 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Ms.V.Vaishnavi, Assistant Professor/EEE
Dr.S.Vijayarajan, Associate Professor/EEE

Title of the Project:
Non-invasive Infant Health Monitoring Device

Sanctioned
Amount:
Rs.2.61 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Dr.S.Vijayarajan, Assoc. Professor/EEE
Ms.V.Vaishnavi, Assistant Professor/EEE

Title of the Project:
Non-invasive Glucometer

Sanctioned
Amount:
Rs.2.51 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members

Mr.A.Nagaraj, Assistant Professor/ECE
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:
Malgo- A Thermo based device for weevil detection in mango

Sanctioned
Amount:
Rs.2.5 Lakhs

SETHU RESEARCH FORUM

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Osteochex:A low cost Portable
BMD Device

Sanctioned
Amount:
Rs.2 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Ms.Pooja Varshini, Student,
Mr.Naveen Raj, Student
Ms.T.Ruba, Assistant Professor/ECE
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Kashaya Machine

Sanctioned
Amount:
Rs.2.5 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Mr.Surya Kumar, Scholar
Ms.S.Ramya, Assistant Professor/ECE
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Rapid Invasive bacteria detection

Sanctioned
Amount:
Rs.2.5 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Ms.J.Judith, Assistant Professor/ECE
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Dew point based supply management
in atmospheric water generator

Sanctioned
Amount:
Rs.2.4 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Mr.S.M.Seeni Mohamed Aliar Maraikkayar,
Research Scholar
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Prosthetic Arm for Amputees

Sanctioned
Amount:
Rs.2 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII),Tamilnadu

Team Members:

Mr.S.M.Seeni Mohamed Aliar Maraikkayar,
Research Scholar
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE
Ms.T.Ruba, Assistant Professor/ECE

Title of the Project:

AI and IoT based Smart Aquaculture System

Sanctioned
Amount:
Rs.2 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Ms.K.Shanmuga Priya, Assistant Professor/ECE
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Amnisen: A novel device for Amniotic
fluid measurements in womb

Sanctioned
Amount:
Rs.2.5 Lakhs

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Ms.Swetha, Student
Ms.Veroni Divya, Student
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Title of the Project:

Garbo: An Automated Detacher of water
Hyacinth and Floating trashes

Sanctioned
Amount:
Rs.2 Lakhs

SETHU RESEARCH FORUM

Projects Sanctioned By Entrepreneurship Development Institute of India (EDII), Tamilnadu

Team Members:

Ms.S.Sathiya Pandiya Lakshmi, Scholar
Ms.N.Swetha, Scholar
Ms.M.Gayathri, Scholar
Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE

Sanctioned Amount:
Rs.2 Lakhs

Title of the Project:

IoT based Air quality Monitoring device

Project Sanctioned and Incubation support by IIM, Nagpur in the E-Waste Hackathon

Team Members:

Dr.S.Siva Ranjani, Professor/CSE
Dr.S.Rathnamala, Associate Professor/AI&DS
Dr.C.Parameswari, Associate Professor/IT

Sanctioned Amount:
Rs.2 Lakhs

Title of the Project:

E waste to wealth

Projects Sanctioned By Unnath Bharat Abhiyan (UBA)

Team Members:

Dr.M.Parisa Beham, Professor/ECE
Dr.R.Tamilselvi, Professor/ECE
Mr.A.Nagaraj, Assistant Professor/ECE

Sanctioned Amount:
Rs.1 Lakh

Title of the Project:

Liquid waste Management

Projects Sanctioned By Tamil Nadu Student Innovators (TNSI)

Team Members:

Dr.R.Tamilselvi, Professor/ECE
Dr.M.Parisa Beham, Professor/ECE
Selvan Manobala, IV ECE
Selvan Manoj Kumar, IV ECE

Sanctioned Amount:
Rs.1 Lakh

Title of the Project:

FEMCARE

Accreditation Details

- ▶ The College is accredited by National Assessment and Accreditation Council (NAAC) with 'A+ +' Grade.
- ▶ The following programmes have been accredited by National Board of Accreditation (NBA), New Delhi under Tier-1 (Washington Accord)

- B.E. Mechanical Engineering
- B.E. Computer Science and Engineering
- B.E. Electronics and Communication Engineering
- B.E. Electrical and Electronics Engineering
- B.Tech. Information Technology

Approved Research Centres

The College has Research Centers approved by Anna University, Chennai to pursue Ph.D. research work in the following departments

- Department of Mechanical Engineering
- Department of Computer Science and Business Systems
- Department of Computer Science and Engineering
- Department of Physics
- Department of Electronics and Communication Engineering
- Department of Chemistry
- Department of Electrical and Electronics Engineering

Award in India Innovation Growth Programme



₹11 Lakhs

Received cheque From DST-Lockheed Martin-Tata Trusts IIGP 2.0 - University Challenge for the Project entitled "OsteCheX - A Handheld device to measure bone density from X-Ray Images"



Our Mechanical Engineering Department students won SECOND PRIZE with the cash award of Rs. 7500 for the Project titled "A portable UV Disinfectant" in the National level Project Contest held at Sri Manakula Vinayagar Engg College, Puducherry on 15.09.2022

Dr.R.Tamilselvi, PG Head & Prof. ECE obtained IETE Technomedia Award for Young Woman in Engineering at IETE convention on September 2022 at Hyderabad.

AWARDS IN SMART INDIA HACKATHON 2022 GRAND FINALS



Our Students of Information Technology Department won FIRST PRIZE and CASH PRIZE of Rs. 1 Lakh in SMART INDIA HACKATHON 2022 Software Edition held at Manipal University, Jaipur.

Team Mentors : Dr S.SivaRanjani, Prof & Dean (CS&IT),
Dr.S.Rathnamala, HoD,AI&DS and
Dr.C.Parameswari,Assoc. Prof., IT

Idea Title : Suggesting a solution to help municipal bodies maximize solid waste collection with their given resources



Our Students of MECH and ECE Departments won SECOND RUNNER and CASHPRIZE of Rs.50,000/- in SMART INDIA HACKATHON 2022 Hardware Edition Grand Final held at IIT ROORKEE, Uthtrakhand.

Team Mentors : Dr.M.Parisa Beham Prof & Head / ECE,
Dr.R.Tamilselvi, Prof & PG Head / ECE and
Mr.J.Vairamuthu, Asst Prof / Mech

Idea Title : Air Inflation System

Research & Development

IPR PATENTS & DESIGN



Adjustable Breakdown Warning Alarm and Light Lantern

Remote Operating Movable Fire Extinguisher

Side Wind Screen and Rear View Mirror Wipers

Fire Extinguisher with Automatic Movable Water and Power Sprinkler System for Confined Place

Pre Fabricated Foldable Refrigeration Device

Rearview Mirror With Wiper For Vehicles

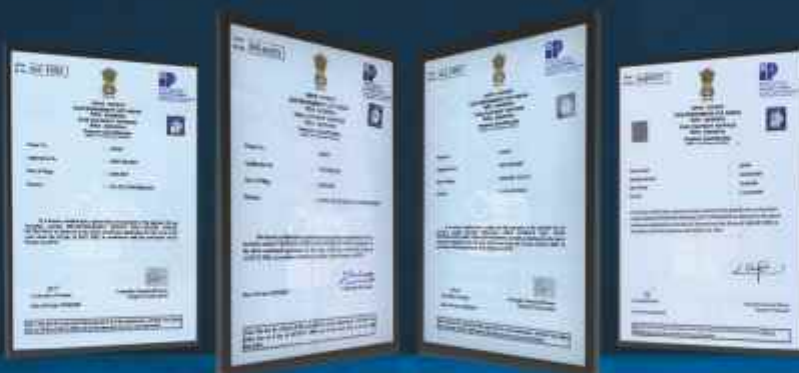
Wiper For Vehicle Door

Portable Hydraulic Lifiable Light Stand



IPR PATENT FILED BY OUR COLLEGE

Filed	21
Granted	11



Our college encourages the faculty members to file patents rights for their innovative research work. Students are also encouraged to do innovative projects. patents right awareness programs are conducted to obtain more patents. The fruit of the innovative research activity is read by the patents obtained by the college.

TOTAL GRANT RECEIVED FROM VARIOUS FUNDING AGENCIES
₹ 7.08 Crores

Sports Facilities

The College has a well established sports facility with 25 acres of playground and other facilities for different sports and games. The Institution encourages the students to participate in different sports, games, yoga competitions in the University level, State level and National level. Yoga, Prayer and Meditation halls are provided in Girls and Boys hostel to develop a healthy life and a sound body. Gym Facilities with the latest fitness equipments are also available for men and women.



Facilities available for Sports and Games

- ▶ Cricket Ground
- ▶ Foot Ball Ground
- ▶ Hand Ball Ground
- ▶ Hockey Ground
- ▶ Volley Ball Court
- ▶ Basket Ball Court
- ▶ Kabaddi Court
- ▶ Badminton Court
- ▶ Throw Ball Court
- ▶ 400m Running Track
- ▶ Long Jump & Triple Jump
- ▶ High Jump
- ▶ Shot-Put
- ▶ Javelin Throw
- ▶ Disc Throw
- ▶ Kho-Kho





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website : www.sethu.ac.in

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• NEAREST TO AIRPORT •

The college is situated near Madurai Airport and it is just 15 Kms from the Airport. Madurai airport is well connected with major cities of the world.



SCAN FOR
COLLEGE LOCATION



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