

JAYA SAKTHI ENGINEERING COLLEGE

**St.MARY'S NAGAR, THIRUNINRAVUR, CHENNAI-602024.
APPROVED BY AICTE, NEW DELHI, AFFILIATED TO ANNA UNIVERSITY, CHENNAI**



NEWS LETTER

**ACADEMIC YEAR
2022 - 2023**

ABOUT JAYA SAKTHI ENGINEERING COLLEGE

JAYA SAKTHI ENGINEERING COLLEGE is situated close to Chennai Metropolis; the College is one of the foremost centers of graduate and professional education in the state of Tamil Nadu. The range and depth of resources at the college have few peers. Within easy reach on the same campus and other sites, the college combines all the advantages of a comprehensive institution in the Arts and Science with a full complement of professional schools. Among these are business, dentistry and an unusually complete array of paramedical professions, including pharmacy and physiotherapy.

Clearly, the undergraduate programmes in Engineering at the College offer its students the optimum setting in tertiary education: specialized programmes with a contingent of accessible and dedicated faculty members, within a large, highly diverse college offerings nearly unlimited academic opportunities and resources. Lecture and Laboratory areas are modern and well-equipped; the college has extensive links with IT facilities for the benefit of students. The Engineering programs are as follows: BE. Computer Science Engineering, BE. Mechanical Engineering, BE. Bio – Medical Engineering, B.Tech Artificial Intelligence and Data Science & B.Tech Pharmaceutical Technology.

The college ensures that all students have the opportunity to acquire and develop personal and transferable skills, such as technical communication and team-working skills, which are directly appropriate to their future courses. Top and Best Engineering College in Chennai.



VISION AND MISSION

VISION

To achieve Excellence Technical Education through Innovative Teaching, Research and Entrepreneurship who create wealth for our nation and develop a fulfilling global society.

MISSION

To create a modern educational institution contributing to innovation entrepreneurship, engineering and technology for our country.

To Provide Quality Education, Self discipline and Ethical values.

To identify student's skills and encourage them through creative and enriching methodologies and share their knowledge to create new society.

CHIEF PATRON

CHAIRMAN's MESSAGE



Prof. Dr. A. Kanagaraj, M.A., M.Phil., CHAIRMAN

Delightful task! to rear the tender thought;
To teach the young how to shoot;
To pour the fresh, instruction over the mind ;
To breathe the enlivening spirit, and
To fix the generous purpose in the glowing heart.

- Thomson, Sp. 1149

Count your chick before it hatches” says an old Adage. Our JAYA SAKTHI ENGINEERING COLLEGE is gearing-up such skills to the budding Engineers. In this wide arena of competition, we would like to enable Engineering aspirants with more calibers and more innovation.

World Class Laboratories, Tireless Professors, High-Sounded Placement Cell, International Seminars, National Level Symposiums, Igniting Projects are the strong pillars of Jaya Sakthi Engineering College. Our qualified professors are remaining candle in educational service to lead them for a Bright Future. I assure that 45 years of educational service has its own Pensive Meditation and Epitomized Achievement in the Speculation of perfect Engineers.

PATRONS

VICE-CHAIRMAN's MESSAGE



Er. K. NAVARAJ, M.Tech., (Ph.D.)
VICE-CHAIRMAN

Dear student,

“Mind has thousand eyes But the Heart with one yet the light of whole life done when the Education is in” by adhering these words our Jaya Sakthi Engineering College the Educational Tree has it's own branch and extending great shelter to Enthusiastic Engineering Candidates. It has great Milestone of Achievement in the ventures on various fields like Computer Science Engineering, Mechanical Engineering, Bio – Medical Engineering, Artificial Intelligence and Data Science & Pharmaceutical Technology. We are paying at most interest over the standard of Education by the overseas experiences. Thereby we are building the castle of career set-up to the upcoming Engineers.

PATRONS

SECRETARY's MESSAGE



Smt. K. VIJAYA KUMARI, M.A., B.Ed
SECRETARY

**TO STRIVE;
TO SEEK & TO ACHIEVE;
THIS IS THE AGE**

We are launching in all hearts of forth-coming Engineering doers. The vision of worldwide corporate scope has been given and still continues in our reputed Jaya Sakthi Engineering College. We are giving helping-aid to various technical innovations and stimulating those projects for worldwide knowledge. Like a Mother assuaging the pain to success of child, we are indeed find immense pleasure in helping economically lagging but mentally capable students to obtain scholarships, sponsors, bank loans and other endowment prizes. Like a well known proverb, this is not an end; but a beginning. Our Jaya Sakthi Engineering College will do Educational Service in Eternal Manner.

CO-PATRONS

PRINCIPAL'S MESSAGE **JAYA SAKTHI ENGINEERING COLLEGE** **Chennai - 602024**

Our students are well known for their discipline; best practices and moral standards which help them show good performance in academics and obtain the best placements. This has been made possible due to the excellent support from the management, the faculty members, the staff, the students and their parents.

The infrastructure of our college is in a continuous process of up gradation. Through periodic seminars, symposia, workshops and industry visits as an integral part of the course, the students are equipped with technical knowledge, critical thinking skills and creativity to be competent to face the global challenges in engineering and technology.

The college encourages the students to participate in co-curricular and extracurricular activities in a balanced manner to develop their personality. We have an Entrepreneurship Development Cell to inculcate research culture and enterprising skills among the students and faculty. We also have various professional bodies to work closely with the industrial leaders to get their expertise and professional values.

The faculty members are also encouraged to participate in specialized training programmes, conferences, pursue higher studies, etc. to upgrade their skill set in their domain. I am sure that our students will continue their stellar performance during the course, and also continue their good work in pursuing post graduate, research studies and in their profession work.

We have been making greater interaction with the Industry in providing student projects, workshops, seminars, in-plant-training and placement. We are also now focusing on building a strong Alumni Association who, we believe that, are the ambassadors of this Institute and could contribute significantly to its growth in all dimensions

I extend my best wishes to all my students, certainly that they will create their own path to success.

ORGANISING COMMITTEE MEMBERS

CHIEF PATRONS

Prof. A. KANAGARAJ, M.A., M.Phil.

CHAIRMAN - JAYA GROUP OF INSTITUTIONS

Er. K. NAVARAJ, M.Tech., (Ph.D.)

VICE – CHAIRMAN - JAYA GROUP OF INSTITUTIONS

Smt. K. VIJAYA KUMARI, M.A., B.Ed.

SECRETARY - JAYA GROUP OF INSTITUTIONS

Dr. K. DHEENA, MBBS.

JOINT SECRETARY - JAYA GROUP OF INSTITUTIONS

CHIEF PATRONS

Dr. P. Marimuthu, M.E, PhD.

PRINCIPAL – JAYA SAKTHI ENGINEERING COLLEGE

The College is approved by All India Council for Technical Education (A.I.C.T.E) and Affiliated to the Anna University, Chennai. It can be proudly stated that many Engineers pass out every year from various branches from the college it is a self financing institution which brings out well qualified, talented Engineers. We impart skills in a harmonious, pluralistic environment preparing students to meet challenges and embrace opportunities of the increasingly global world.

Situated close to Chennai Metropolis, the College is one of the foremost centers of graduate and professional education in the state of Tamil Nadu. The range and depth of resources at the college have few peers. Within easy reach on the same campus and other sites, the college combines all the advantages of a comprehensive institution in the Arts and Science with a full complement of professional schools. Among these are business, dentistry and an unusually complete array of paramedical professions, including pharmacy and physiotherapy.

B.E. COMPUTER SCIENCE ENGINEERING

The College is approved by All India Council for Technical Education (A.I.C.T.E) and Affiliated to the Anna University, Chennai. It can be proudly stated that many Engineers pass out



every year from various branches from the college it is a self financing institution which brings out well qualified, talented Engineers. We impart skills in a harmonious, pluralistic environment preparing students to meet challenges and embrace opportunities of the increasingly global world.

The Department of Computer Science at JSEC is renowned for

Cutting edge research and for imparting state of the art education. We attract some of the brightest students and faculty, and invite you to join us in the excitement.

B.Tech. ARTIFICIAL INTELLIGENCE AND DATA SCIENCE



B.Tech in Artificial Intelligence and Data Science are one of the many branches of science, engineering ,and technology. Engineering in Artificial Intelligence and Data Science is

a four years undergraduate course that deals with core technologies like Machine learning, Artificial Intelligence, Data warehouse, Data mining, Scripting language, Product development, Mathematical modeling.This course also gives importance to areas like big data analytics, fuzzy technologies, artificial neural networks. It helps students in getting ready with skills to perform decisions that are based on data analysis.

Through AI and DS courses, students will gain skills in areas like statistics, data scientists, machine learning, computer science, and logic. Artificial Intelligence is a part of Data Science. For its operations in the field of Data Science, Artificial Intelligence is used. Data Science is connected with Artificial Intelligence through machine learning. The candidates who qualified class 12th exam in Science stream are eligible for admission in this course.

B.E. BIO MEDICAL ENGINEERING

The Department of Biomedical Engineering was established in the year 2020 with an intake of 60 students. The department has eminent faculties with precise knowledge in the area of Biomedical Engineering.

The objective of the department is to produce Biomedical Engineers as well-groomed, skilled professionals in various domains of Biomedical Engineering, ready to deploy



in industrial projects upon graduation through outcome based education with activity-based learner-centric approaches blended with state-of-art technology tools which lead to innovation and entrepreneurship skills.

B.Tech. PHARMACEUTICAL TECHNOLOGY



B.Tech. Pharmaceutical Technology is an undergraduate Engineering course. Pharmacy is the study of the origin, preparation, properties, effects, dosage and dispensation of medicines.

Pharmaceutical engineers are concerned with the transformation of raw materials into valuable products by chemical, biochemical or physical processes. They are involved in the conception, design, construction, and operation of industrial plants in which the above processes take place, increasingly with design at the molecular scale being more and more significant. The duration of the course is four years and it is career orienting in nature.

B.E. MECHANICAL ENGINEERING

The Mechanical Engineering department of this college understands the needs of the society and striver to produce excellent quality engineers and professionals in its mission to contribute to the industry to the future.

Mechanical Engineering is one of the largest, broadest and oldest engineering disciplines. Mechanical Engineering applies the principles of physics, materials science and mathematics to the design,



development, research, evaluation, manufacture, installation, testing, operation, maintenance and management of mechanical systems. They create the processes and systems that drive technology and industry.

DEPARTMENT OF SCIENCE AND HUMANITIES



The Science & Humanities department of this college understands the needs of the society and striver to produce excellent quality engineers and professionals in its mission to contribute to the industry to the future. The department

has highly qualified, experienced and dedicated staff members. These motivating Professors cater to the needs of the students. The subjects are quite challenging and interesting. They make the staff to be creative in teaching and implementing their ideas effectively.

DEPARTMENT OF CYBER SECURITY

The Department of Cybersecurity is a specialized division within an organization or academic institution dedicated to safeguarding digital systems, networks, and sensitive information from cyber threats and attacks. Its primary focus is to identify vulnerabilities, implement robust security measures, and respond promptly to incidents to ensure data confidentiality, integrity, and availability. Cybersecurity experts employ

various technologies, tools, and strategies to proactively defend against cyberattacks and mitigate potential risks. They constantly monitor for potential threats, educate users on best security practices, and collaborate with other departments



to maintain a secure and resilient digital environment in an ever-evolving landscape of cyber threats.

INTERNSHIP

DEPARTMENT OF BIO-MEDICAL ENGINEERING

Department of Bio – Medical Engineering had conducted the internship for students in **DEEPAM HOSPITAL**. Our second and third year bio medical students have completed training both practical and theory in “**BIOMEDICAL INSTRUMENTATION**”. The internships was for 5 days. Students attended 30 sessions.



That was a wonderful experience for the students. Students learned how to plan and execute biomedical and research and production, communicate their visions.

effectively, and collaborate with a team on a shared goal

CAREER GUIDANCE PROGRAM

A Career Guidance Programme – “Capacity Building & Skill Enhancement was conducted for our first year students which is very useful for their future goals. Dr. V. Seedha Devi / Associate Professor/ HOD of IT Department/ Jaya Sakthi Engineering College has given a

seminar for the students. Sixty eight students were participated in the event.



First Year Induction Programme

First Year Induction Programme was held for all Jaya Group of Engineering Institutions. Our chairman has presided the event. Prof. Dr. G. Kulanthaivel, Head, Centre for International Affairs, NITTTR, Chennai has given the inaugural speech to the students.



Career Guidance Programme



The Department of Science and Humanities has conducted a Career Guidance Programme – “Personality Development & Interpersonal Skills”. All the first year students were participated the event. Mr. T. Ajith/ Associate Professor / Department of English / VIT has given a motivation speech for the students. Our Principal

also given some valuable suggestions for the students to develop their skills

Symposium – Rocketry & Machining Competition

Department of Mechanical Engineering Students participated in Technical Symposium Conducted by St. Joseph's College of Engineering held on 17.09.2022 and won Third Price in Rocketry competition and won third place in Lathe Machining.



Public Exhibition – AVADI HVF



Department of Mechanical Engineering Students went to Avadi for Public Exhibition on State of the Art – Main Battle Tanks conducted on 17.08.2022

IGEN – GREEN DAY Celebration

Green day celebrated on 22nd of October by collecting of Solid Waste management with Corporation Municipality conducted on 22.10.2022



Industrial Visit - ISRO

Department of Mechanical Engineering and Computer Science

Engineering students went to the Industrial Visit on 26th November at ISRO for pslv launch. Totally 50 students & two faculty members went to the visit.



Christmas Day Celebration

Christmas day celebration was conducted in our college on 14/12/22. The Christmas Day Celebration was organized by the Department of Computer Science and Engineering. All the students were joined in the celebration. The celebration was started with Tamil thai Vazthu and followed by songs, dances and dramas.



National Youth Day – 2023

The National Youth Day is being celebrated to commemorate the birth anniversary of Swami Vivekananda. This year, the National Youth Day 2022 the theme is "It's all in the mind". The government



of India declared to celebrate the National Youth Day on 12 January to recognize and honor the teachings of Vivekananda the great Philosopher and monk.



National Youth Festival is one of the biggest exercises in social cohesion and intellectual and cultural integration. National Youth Day aims to bring diverse cultures of India and integrate them into a united thread of 'Ek Bharat, Shreshtha Bharat'. This year, in view of the emerging Covid

situation, the festival has been scheduled to be held virtually on January 12.

JSEC - Samathuva Pongal

Jaya Sakthi Engineering College - NSS organized competition for Samathuva Pongal Selection on 12th JAN 2023 for the all the year students of all Departments. The Program started with the welcome address by P. Marimuthu, Principal, JSEC



National Voter's Day – Awareness Meet



National Voters Day virtually observed with the theme Electoral Literacy for Stronger Democracy was conducted to Empower the Young Youths of JSEC on 25th January 2022

JSEC – Culturals Programme – 2023

Cultural event was conducted in our college on 28/06/2023. The programme was conducted in a grand manner. The event was started with Tamil Thai Vazthu, in order to inaugurate the cultural event the Baradhanatiyam performance was given by our first year students. The mime, solo dance, solo song and drama also performed by the students. The rangoli and mehendi competition were conducted the winners were awarded prize also. The whole day was very enjoyable and memorable for the students.



International Day against Drugs - 2023

We have given a awareness to the students about the drugs and addiction of drugs on International Day against Drugs. Miss. Bharathi Sub – Inspector of Thiruninravur Police Station had given the awareness speech about the drug awareness and



also explained the problems that the youngsters facing out of it. Our Principal had given moral instructions to the students. At the end of the awareness program the students has taken the pledge against it

World Environment Day - 2023

Green Marathon Run on World Environment Day flaged off by Actress Sakthi Aggarwal Hema Rukmani and Prof. A. Kanagaraj chairman (Jaya Group of Institutions) organized by Geo India foundation held at chennai Nandhanam YMCA Ground.



conclusion

To conclude Annual report by placing on record, respectful and sincere thanks to our Chairman, Vice – Chairman, Secretary & Join – Secretary for their support. Thanking to our management for their continuous encouragement to enable me to discharge our duties, our teaching faculty, administrative staff, non-teaching and technical staff for their untiring efforts in their work that makes this institution to develop in a faster rate in Global Level, wishing all the students a bright and a prosperous future.