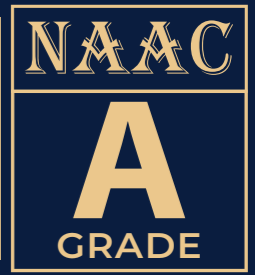


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COURSES OFFERED

B.E / B.Tech

Artificial Intelligence and Data Science | Biotechnology and Biochemical | Civil | CSBS | CSE | EEE | ECE | Food Technology | Mechanical | Petrochemical | Petroleum

M.E / M.Tech

CSE (Artificial Intelligence & Machine Learning) | Power Electronics and Drives | Structural Engineering

Ph.D

Electrical and Electronics Engineering

Arts and Science

B.Com. Logistics & Supply Chain Management
BBA. Logistics
BCA
B.Sc. Artificial Intelligence & Machine learning
B.Sc. Computer Science
B.Sc. Digital and Cyber Forensic Science *

Diploma

Agricultural Engineering
Automobile Engineering
Computer Technology
Electrical and Electronics Engineering
Mechanical Engineering
Petrochemical Engineering

ADMISSIONS JCT COURSES OFFERED

B.E./B.Tech Courses

Artificial Intelligence & Data Science
Biotechnology & Biochemical
Computer Science & Business Systems
Civil | CSE | EEE | ECE |
Food Technology | Mechanical | Petroleum | Petrochemical

M.E Courses

CSE (Artificial Intelligence & Machine Learning) |
Power Electronics and Drives | Structural Engineering

Ph.D

Electrical and Electronics Engineering

Arts and Science Courses

B.Com. Logistics & Supply Chain Management
BBA. Logistics
Bachelor of computer application
B.Sc. Artificial Intelligence & Machine learning
B.Sc. Computer Science
B.Sc. Digital and Cyber Forensic Science

Diploma Courses

Agricultural Engineering
Automobile Engineering
Computer Technology
Electrical and Electronics Engineering
Mechanical Engineering
Petrochemical Engineering

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About Us & Trust

Shri Jagannath Educational Health and Charitable Trust was established by renowned and philanthropic people with an objective of providing education to all especially the downtrodden and rural population. Considering the growing demands for technical education in the country, the trust has established an engineering college JCT College of Engineering and Technology at Pichanur, Coimbatore in 2009 & JCT Polytechnic College in the year 2012. The JCT College of Arts and Science has been started during the academic year 2024. The Management strives hard to enhance the professional knowledge, skills and attitudes of educators, so that they might in turn improve the learning process of students. The college aims at developing a deep understanding of the human values and social concerns among our graduates.

Students are encouraged to get equipped and sensitized to understand full implications of their decisions, actions and ever inactions. Above all the college is inclined to promote Technical Education to meet the requirements of a developing nation in the context of global concern at the threshold of the twenty-first century. A team of educated, enlightened, experienced technocrats with vision, firmly determined to promote high quality of education strive to provide every facility for achieving excellence.



Our Founder Shri.S.A.Subramanian hails from a renowned scholarly family. He did his post graduation in English. He distinguished himself as an academic and industrial innovator. He has also travelled widely, and has visited many educational institutions. With a rare and enriching exposure to both academic research and industrial experience, Shri.S.A.Subramanian has a penchant appetite for preparing the students to be competent in academic and engineering studies. They are to be equipped to meet the challenges in industries.

Our Chairman Mr.R.Arulsevan is the visionary of this institution. He holds a B.E (Production Engineering) from Guindy Engineering College and MBA from De Montfort University, United Kingdom. He is also an Accredited Building Practitioner, Tasmania (Australia) specialising in Residential and Commercial construction projects. Through his experience in running business enterprises in India and overseas play a pivotal role in developing JCT as a leading engineering college.



OUR ASSOCIATIONS & CERTIFICATIONS



OUR VISION

To emerge as a premier Institute for developing industry ready engineers with competency, initiative and character to meet the challenges in Global environment

OUR MISSION

- To impart state-of-the-art engineering and professional education through strong theoretical basics and hands on training to students in their choice of field.
- To serve our students by teaching them leadership, entrepreneurship, teamwork, values, quality, ethics and respect for others.
- To provide opportunities for long-term interaction with academia and industry. To create new knowledge through innovation and research.

OUR INSTITUTIONS

1. JCT COLLEGE OF ENGINEERING AND TECHNOLOGY (Autonomous)

2. JCT POLYTECHNIC COLLEGE

3. JCT COLLEGE OF ARTS AND SCIENCE

WE ARE THE 1ST INSTITUTION

- Who launch **B.Tech BIO TECHNOLOGY & BIO CHEMICAL** in Tamilnadu (Non–Autonomous Self Financing)
- Who launch **B.Tech FOOD TECHNOLOGY** in South India (Non–Autonomous Self Financing)
- We are the 1st Institutions, Who launched **B.E PETROCHEMICAL** in South India. (Non–Autonomous Self Financing)



11 UG 3 PG 1 Ph.D (Engineering) 6 UG (Arts) 6 DIPLOMA



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B.Tech ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

UG PROGRAMME

DEPARTMENT VISION

To impart research and to meet the global challenges in the field of Artificial Intelligence and Data Science.

DEPARTMENT MISSION

- Augmentation of knowledge, information and interaction to the agents and humans to get a better performance in the current AI-driven era.
- The domain of study that deals with vast volumes of data using modern tools and techniques to find unseen patterns, derive meaningful information, and make business decisions.
- To transform your organisation into a data-driven AI organisation to better deliver information, products and services.

ABOUT THE DEPARTMENT

The Department of Artificial Intelligence and Data Science stands at the forefront of technological innovation, blending cutting-edge research with a robust academic foundation to equip students for the evolving digital era. The curriculum integrates key domains such as machine learning, data analytics, neural networks, and big data, fostering both theoretical understanding and practical expertise. Through state-of-the-art laboratories, industry collaborations, and hands-on projects, we ensure students are prepared to tackle complex challenges in a rapidly evolving technological landscape. Through internships, hackathons, and workshops, we ensure students are industry-ready and prepared to lead in AI-driven transformations. With a vision to drive progress through ethical AI practices and sustainable solutions, the Department of Artificial Intelligence and Data Science is committed to empowering the next generation.



LABORATORIES

Business Communication & Value Science Lab | Data Structures Lab | Data Mining and Analytics Lab | Statistical Softwares Lab | Artificial Intelligence Lab | Design Thinking Lab | Services Science & Service Ops Management Lab | Project Evaluation Lab

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Utilize their proficiencies in the fundamental knowledge of basic sciences, mathematics, Artificial Intelligence, data science and statistics to build systems that require management and analysis of large volumes of data.
- Advance their technical skills to pursue pioneering research in the field of AI and Data Science and create disruptive and sustainable solutions for the welfare of ecosystems.
- Think logically, pursue lifelong learning and collaborate with an ethical attitude in a multidisciplinary team.
- Design and model AI based solutions to critical problem domains in the real world.
- Exhibit innovative thoughts and creative ideas for effective contribution towards economy building.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Evolve AI based efficient domain specific processes for effective decision making in several domains such as business and governance domains.
- Arrive at actionable Foresight, Insight, hind sight from data for solving business and engineering problems.
- Create, select and apply the theoretical knowledge of AI and Data Analytics along with practical industrial tools and techniques to manage and solve wicked societal problems



SCOPE

The scope spans diverse fields such as healthcare, finance, automation, cybersecurity, and entertainment, where AI-driven insights are transforming industries. Graduates can pursue careers as data scientists, AI engineers, research analysts, or innovation consultants, contributing to advancements in predictive modeling, robotics, and intelligent systems. This interdisciplinary domain fosters critical thinking, creativity, and a problem-solving mindset. It also opens pathways for entrepreneurial ventures, enabling individuals to pioneer new AI-based solutions. With the rapid growth of digital transformation, the demand for expertise in AI and data science is surging globally, ensuring a promising future for professionals in this dynamic field.

JOB OPPORTUNITIES





DEPARTMENT MISSION

- To impart sound basic knowledge of Biotechnology and Biochemical Engineering concepts to achieve career fulfilment.
- To inculcate passion and motivation for lifelong learning and learning in premier National and International institutions.
- To excel students to identify, analyze and solve problems related to the field and also skillful in emerging areas of Bio technology and Bio chemical Engineering

UG PROGRAMME

B.Tech BIOTECHNOLOGY AND BIOCHEMICAL ENGINEERING

DEPARTMENT VISION

To become a Centre of Excellence in technical education, promoting research and bringing out professionals with social commitment capable of contributing to individual and national prosperity

ABOUT THE DEPARTMENT

B.Tech. Biotechnology and Biochemical Engineering is an undergraduate course. It is science, Technology and Engineering driven. This exciting specialization is based on living organisms with its application extending to all phases like industrial processing, Agriculture, Medicine, Environment and Energy. Course introduces the concepts of Biochemistry, Microbiology, Industrial Microbiology & Enzyme Technology, Cell & Molecular Biology, Genetics, Bioinformatics (IT), Industrial Microbiology & Enzyme Technology, Thermodynamics, & Biochemical Reaction Engineering, to name a few. Specific areas of studies include metabolic, enzyme, and tissue engineering. The study of cell cultures is widely used in Biotechnology and Biochemical engineering due to its many applications in developing natural fuels, improving the efficiency in producing drugs and pharmaceutical processes, and also creating cures for disease like

LABORATORIES

Biochemistry Lab | Bioorganic Chemistry Lab | Cell Biology & Microbiology Lab | Instrumentation Methods of Analysis Lab | Downstream Processing Lab | Molecularbiology and Genetic Engineering Lab | Bioprocess Engineering Lab | Lab | Immunology Lab | Research Lab |

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Our graduates will excel in biotech and related industries as good process and design engineers capable of handling production related activities including quality control.
- Our graduates will serve as good entrepreneurs with strong ethical values and communication skills.
- Our graduates will persue extended studies and research in reputed institutions in National and International level.



PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Acquire sound basic knowledge of bioscience, biotechnology and engineering concepts to emerge as good process engineers in industries.
- Impart expertise on various bioprocess techniques for sustainable design and development
- As Biotechnology and Biochemical Engineer, function as member or leader for managing projects, recognize the need for technological change and communicate with the society effectively.

SCOPE

Biotechnology and Biochemical Engineering is an emerging field, which has many promising career aspects. They are playing a vital role in the development of medicines that do not have any side effect, Development of new drugs, Modern medical treatment and Diagnostic techniques, Production of Renewable form of energy, Production of biogas from waste materials, Mass propagation, Tissue cultre methods and Research in natural herbal products. Biotechnology and Biochemical Engineer may work in any of the fields of pharmaceutical companies, agriculture and Bio chemical industries, Waste management firms, Biomedical Firms and Engineering design companies



JOB OPPORTUNITIES





B.Tech COMPUTER SCIENCE AND BUSINESS SYSTEMS

UG PROGRAMME

DEPARTMENT VISION

To produce competent IT professionals to meet the dynamic needs of the emerging trends in the field of Computer Science & Business Systems.

DEPARTMENT MISSION

- Augmentation of knowledge, information and interaction to the agents and humans to get a better performance in the current AI-driven era.
- The domain of study that deals with vast volumes of data using modern tools and techniques to find unseen patterns, derive meaningful information, and make business decisions.
- To transform your organisation into a data-driven AI organisation to better deliver information, products and services.

ABOUT THE DEPARTMENT

The focus of the department is to build the wide range of knowledge in the areas of accounting concepts and techniques to meet the current and future requirement of the industry. The department aim to develop the strong knowledge in the areas such as finance, taxation, and laws relating to commerce helps to relate the conceptual and analytical skills in the field of auditing, finance etc. This programme offers the students value-based education by acquiring adequate knowledge, skill and attitude to creatively and systematically apply the principles and practices of management, accountancy, finance, business law, statistics, HR, operations and IT to management problems and work effectively in modern day business and non-business organizations specifically in areas of Logistics and Supply Chain Management.

- 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

LABORATORIES

Business Communication & Value Science Lab | Data Structures Lab | Data Mining and Analytics Lab | Statistical Softwares Lab | Artificial Intelligence Lab | Design Thinking Lab | Services Science & Service Ops Management Lab | Project Evaluation Lab

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Challenges in their profession through the application of theory and principles of computer engineering.
- Problem solving skills in computer science and engineering by applying mathematical, scientific and engineering fundamentals and also to pursue higher studies.
- Good scientific and engineering breadth so as to comprehend, analysis, design, and create novel products and solutions for the real-life problems.
- Possess professional and ethical attitude, effective communication skills, team working skills, multi-disciplinary approach, and an ability to relate engineering issues to broader social context.
- Exhibit leadership qualities and progress through life-long learning

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Enriched knowledge in aiding academic excellence in order to adopt to changing demands in the cutting-edge technology.

SCOPE

The CSBS Department works closely with several related industries of repute. These relationships facilitate joint research, funded projects, and the opportunity to learn the latest technologies.

Experts from industries and leading institutions are invited every fortnight for technical lectures under the association activities.

The department has collaboration with various industries in terms of members of Board of Studies, offering credit courses, conducting workshops & faculty development programmes, offering internships, projects and placements etc. Students are sent on industrial visits to companies and they also undergo in-plant training at foreign industries as well.



JOB OPPORTUNITIES





UG PROGRAMME

B.Tech FOOD TECHNOLOGY

DEPARTMENT VISION

To provide a platform for overall development of the students, to be more creative, innovative, ethical and globally competent food technocrats.

DEPARTMENT MISSION

- To inculcate in-depth knowledge of Food Technology with an ability to analyze, evaluate, design and integrate existing and new knowledge.
- Imparting knowledge & technical skills for better processing and value addition of food & agro-products.
- Creating a multi-disciplinary platform capable of conducting research, technology development, solving industrial and social challenges on top of classroom teaching.
- To educate our students by teaching them leadership, entrepreneurship, teamwork, values, quality and ethics.

LABORATORIES

Food Microbiology Lab | Food Chemistry Lab | Food Analysis Lab | Food Processing & Preservation Lab | Dairy Process Technology Lab | Fruits & Vegetable Processing Lab | Baking & Confectionary Lab | Testing of Materials Lab | Skills for new Product Development Lab

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Graduates will have successful career in food and allied industries at various levels of management.
- Graduates will have the core technical skills and knowledge that will empower them to pursue lifelong learning and research.
- Graduates will deliver innovative solutions and services to address industrial and societal challenges, upholding ethical principles and social responsibility.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- PSO : Able to design, analyse equipment in new product development at food and allied industries.
- PSO : Able to develop analytical techniques to evaluate food safety and quality

SCOPE

Food technologists can opt for jobs in various areas such as Food processing companies, Soft drink manufacturing firms, cereals and spice, Quality control organisation, Packaging industries and food research lab.

Food processing industry is rapidly growing in India and several employment opportunities are available in various industries. There is a good scope for food technology courses which offer numerous job opportunities in various areas.

In India food processing industry is gaining momentum as the consumer food industry, which includes pasta, breads, cakes, pastries, corn flakes, ready to eat and ready to cook products, cocoa products, biscuits, soft drinks, beer, alcohol beverages, mineral and packaged water and segment of consumer foods is seeing an upward trend.



JOB OPPORTUNITIES



ABOUT THE DEPARTMENT

The department is intended to provide technical support to farmers and entrepreneurs to establish small scale industries. Food Technology is a multidisciplinary course which includes subjects on processing, preservation, quality, safety and marketing aspects of food and food products. The curriculum has been framed in such a manner that by the time the student completes this degree program, the entrepreneur skill is already developed and they are fit to work in research, teaching and industry.





B.Tech PETROLEUM ENGINEERING

ABOUT THE DEPARTMENT

The globe is heavily reliant on petroleum as a source of Energy, a career in the sector is sure to be appealing and demanding, especially since a bachelor's degree program in petroleum engineering began in 2013. Petroleum engineering is a specialized discipline that deals with the exploration, production, and transportation of hydrocarbons from crude oil and natural gas. The department provides programs to train professionals in this essential field, and the curriculum has been designed so that when the students complete this degree program, they are equipped to work in industry, research, and education.

LABORATORIES

Drilling Fluids and Cementing Techniques Laboratory | Mass Transfer Laboratory | Petroleum Testing Laboratory | Professional Communication | Heat Transfer Laboratory | Geology Laboratory | Fluids and Solid operations Laboratory | Chemical Analysis Laboratory



UG PROGRAMME

DEPARTMENT VISION

The department aims to create competent petroleum engineers to build a better world through professional service and research for affordable, eco-friendly oil and gas production.

DEPARTMENT MISSION

- To improve the skill based professional education activities, governing responsibility, coordination, standard, and moral in line with quality teaching learning process.
- To strengthen industry institute interface for developing team work and entrepreneur skills.
- To maintain good relationship with innovative research and development in the benefit of oil and gas society.



PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- PEO 1: Demonstrate the technical abilities and basic understanding of the fuel, gas, and oil field industries.
- PEO 2 : Explore higher education, Scientific research and development, entrepreneurship, and professional sectors that reflect innovation and originality.
- PEO3 : Managing ethical values and demonstrate strong leadership qualities to follow energy fields in a way that will have a beneficial social impact.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

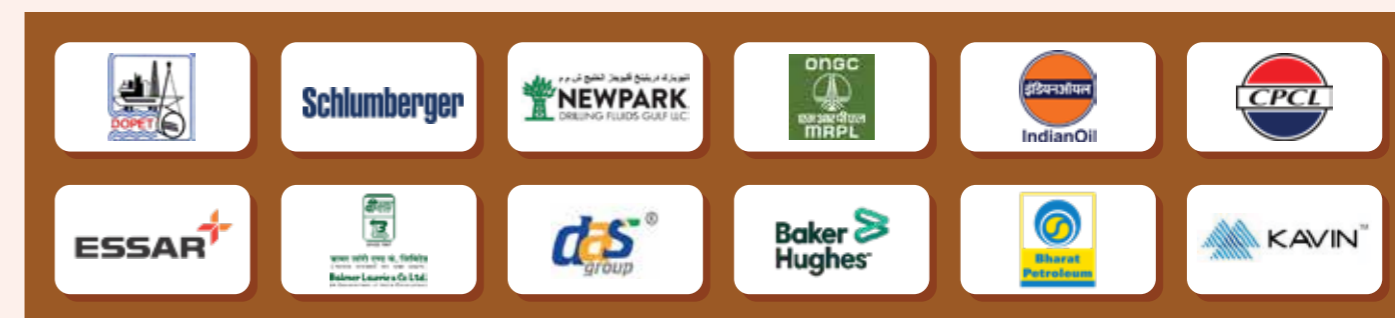
- PSO 1: Survey and Interpret data for oil and gas Exploration and Exploitation.
- PSO 2: Analyse, design and evaluate various components, methods and systems using State -of -art technology in petroleum Exploration and Exploitation.

SCOPE

The petroleum engineering is regarded as a course which is in great demand among many students. Petroleum engineers are involved in working in areas of oil and natural gas production and extraction. The demand for this course is very high in India as well as abroad. It is the task of the Petroleum Engineers to discover natural sources of oil, extract them from the earth, refine them and make it usable. Petroleum engineering can be divided into two parts, upstream sector and downstream sector. The upstream sector activities include exploration, production and exploitation of oil and natural gases. The downstream sector consist activities such as the refining, marketing and distributing of petroleum products.

JOB OPPORTUNITIES

This field always suffers in short supply of professionals. Due to the ever increasing demand of safe sources of energy, it is worth to gain a degree in the field of petroleum engineering. Petroleum Engineering offers excellent career opportunities to the graduates. The scope for freshers in public firms is very high. The corporate sector also provides ample space for the fresh graduates to set in. The various fields offered in this sector include the exploration, extraction and production of petroleum. The petroleum engineers can be given responsibility as petroleum geologists, reservoir, production, drilling, and mud engineers among several other profiles. The petroleum engineers mainly have needs in refineries of petrochemical plants as well as downstream petroleum industries and R & D Organizations also.





B.Tech

UG PROGRAMME

PETROCHEMICAL TECHNOLOGY

ABOUT THE DEPARTMENT

The Department of Petrochemical technology was started in the year 2011 to render services to the student community to meet as the global industrial expectations. The department is well equipped with various laboratories with modern sophisticated equipments. Its mission is to create Industry ready engineer in the field of Petrochemical Engineering. Our endeavor is to make the PCT Department an important regional, national and international resource center for the development of energy (oil & gas) and environment (pollution free sustainable processes & products) sectors.

LABORATORIES

Organic chemistry | Physical Chemistry | Technical Analysis | Fluid Mechanics | Heat Transfer | Mass Transfer | Mechanical Operations | Petroleum Product Testing | Petrochemical Analysis | Physical Testing Lab for Petroleum products | Chemical Reaction Engineering | Instrumentation and Process Control

DEPARTMENT VISION

To evolve as a Centre of excellence for teaching learning, research and consultancy, integrating basic sciences with engineering applications, to produce world class, industry ready skilled young engineers in the field of Petrochemical Technology with caliber to develop sustainable processes and system, yielding innovative products aimed to serve the nation and the global community.



DEPARTMENT MISSION

- To bring out industry ready, career oriented graduates by means of innovative practices in teaching and learning.
- To educate students to design and develop intelligent products and services meeting global demands and standards.
- To promote collaborative learning and research with industry, government and international organizations for continuous knowledge transfer and enhancement.
- To inculcate ethical values, communication, team works, leadership and entrepreneurial skills to contribute to society.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Shall have contemporary knowledge and competency in petrochemical engineering complemented with appropriate practical skills.
- Shall work as team members on multidisciplinary projects with effective communication skills, individual, supportive and leadership qualities with the right attitudes and ethics.
- Shall have interest on life-long learning, research and development to continuously strive for the forefront of technology.



PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Ability to work on contemporary domains like hydrocarbon and hybrid fuel, thermal energy, waste and pollution management.
- Have abilities to successfully qualify in national and international level competitive examinations for higher studies and employment.

JOB OPPORTUNITIES

Petrochemical Engineers are able to break down oil or natural gas into its base components and then reconstruct it as specific types of oil products such as auto fuel, as well as plastics, polymers and other compounds found in many everyday products.

Petrochemical Engineering graduates have plenty of job opportunities in manufacturing and service sector industries such as oil and gas reservoirs, speciality chemicals, rubber and plastics, power production, biotechnology, tyre manufacturing, nanotechnology, mining process, mineral based industries, petrochemical plants, pharmaceuticals, paints, synthetic fibers, chemical engineering designs, nuclear energy, materials science, development of new sources of energy and even medicine. The Engineering Graduates are employed in defense establishments, healthcare related research projects, atomic power plants, environment regulation agencies, recycling department and power conservation projects. All the sector offers wide range of employment opportunities through the public and private sector companies operating under its purview.



DEPARTMENT VISION

To impart world class engineering knowledge to bring out ethical mechanical engineering graduates ready for industries or research or higher studies.



B.E MECHANICAL ENGINEERING

DEPARTMENT MISSION

- To impart quality education to enhance the skill and knowledge required for industry or for higher studies.
- To have state of art laboratory facilities.
- To interact with industry and other institutions.
- To provide an environment to inculcate ethical values and life long learning.

UG PROGRAMME

ABOUT THE DEPARTMENT

The focus of the department is to offer quality education in the specialized fields of Design, Manufacturing, Thermal and Materials engineering. The might of the Department, apart from its Students, is its Qualified and Experienced Faculty/Staff. Faculty is actively engaged in Teaching and mentoring students apart from perusing their research activities in the emerging fields of engineering. The department has a resourceful team of faculty that mostly consists of PG holders.

Faculty members regularly attend technical workshops and seminars organized by various technical institutes, and many of them have

LABORATORIES

CAD/CAM Lab | Engineering Practices Lab | Computer Aided Machine Drawing Lab | Manufacturing Technology Lab (Special Machines) | Metrology and Measurement Lab | Thermal Engineering Lab | Simulation and Analysis Lab | Dynamics Lab | Mechatronics Lab | Research & Project Lab | Industry Powered Lab (Messer Cutting Systems)

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Graduates shall become outstanding engineers in industries or pursue higher studies.
- Graduates shall have the caliber to contribute to national goals through design and manufacturing.
- Graduates shall serve the society by being entrepreneurs or consultants to overcome the challenges they face.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Capable of successfully qualifying national level competitive examinations for higher studies and employment.
- An ability to apply their knowledge in the domain of engineering mechanics, fluid mechanics, thermal engineering and advanced technologies in solving engineering problems for the benefits of society.

SCOPE

Mechanical Engineering is not only limited to the manufacturing and design companies, but also it finds room in power sector, aerospace, petroleum and mining. The following are the top companies that recruit MERCEDES BENZ, TATA MOTORS, VOLKSWAGEN Group, BMW, MARUTI SUZUKI, MAHINDRA for Automobile Sector. HITACHI, INGERSOLL RAND, LIEBHERR CRANES are Companies for Heavy Machinery. In power sector LARSEN and TUBRO, BHEL, THERMAX, ALFA LAVAL, GODREJ, KIRLOSKAR, SUZLON are the

JOB OPPORTUNITIES

Major Industries that employ Mechanical Engineers include Automobiles, Space research, Aeronautical, Energy and utilities, Air conditioning, Bio-Mechanical industry. Other major employers include giant manufacturing plants, Air conditioning and refrigeration industry, Turbine manufacturing plants, oil and Gas exploration and refining industries and the Agricultural sector. They can get Employed in Government departments like Defense, PWD, CPWD, Technical Wings of Armed Forces, Space Research Organization. Industries like the Aeronautical, Agricultural, Automobile, Chemical, Bio-Medical equipment manufacturers, Energy, Power, Electronics, Steel, Oil Exploration and refining, Railways, etc.



DEPARTMENT VISION

To become leaders in Civil Engineering education and address the most challenging demands in Construction, Sanitation, and the Environment at a Global Level.

DEPARTMENT MISSION

- To produce outstanding Civil Engineering graduates with the highest ethical values.
- To provide state-of-the-art learning and laboratory environments.
- To collaborate with industries and address issues related to infrastructure and the environment for sustainable living.highest ethical values.



LABORATORIES

Construction Material Testing Lab | Computer Aided Drawing Lab | Fluid Mechanics and Machinery Lab | Hydraulic Engineering Lab | Surveying Lab | Soil Testing Lab | Concrete and Highway Lab | Environmental Engineering Lab | Advanced Structural Lab | Hydraulic Engineering Lab | Structural Studio Lab

B.E CIVIL ENGINEERING



ABOUT THE DEPARTMENT

The Department of Civil Engineering was established in the academic year 2009-2010 with the objective of creating outstanding engineers. It offers advanced teaching and learning aids for the benefit of students. The department has well-qualified faculty members and excellent laboratory facilities.

The Under Graduate (UG) Program equips students with expertise in Civil Engineering while also providing knowledge of recent trends and developments to help them excel as successful Civil Engineers.

Students gain practical experience through field visits to Construction sites, Dams, and Irrigation Structures, etc.

The department also offers a Post Graduate (PG) Program to provide in-depth knowledge in Structural Engineering. Additionally, students receive training in their field of study through internships.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Graduates will excel as successful Civil Engineers, Academicians, and Researchers.
- Graduates will exhibit Professionalism, Ethical Attitudes, Communication and Managerial Skills, Teamwork, and Social Responsibility.
- Graduates will adapt to current trends by engaging in Lifelong Learning.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Graduates will be capable of successfully qualifying in National-Level Competitive Examinations for higher studies and employment.
- Graduates will contribute to the nation's infrastructure through technologies for Low-cost housing, Skyscrapers, Sanitation, Pollution-Free environments, Water Harvesting and Transportation.

SCOPE

Civil Engineers are involved in working in areas such as the Design, Construction, and Maintenance of Roads, Highways, Bridges, Dams, Canals, Docks, Airports, Housing Complexes, and Environmental Management, etc.

Some of the prominent hiring companies for Civil Engineers include

L&T Constructions | DLF Building India | Oberoi Realty | Unitech Group | HCC Infrastructure | URC Constructions | Sobha Developers | Afcons India Pvt. Ltd. | India Cements | NCC Ltd. | VRCL Pvt. Ltd. | TCE Consulting Engineers | Sakthi Constructions, | Indian Railways | Prestige Group | Godrej Properties | Ashoka Builders | Ultratech Cements |

JOB OPPORTUNITIES

There is a huge demand for Civil Engineers in India, and this demand is expected to grow as the country prepares to upgrade its infrastructure with its expanding economic and political clout in the world.

Civil Engineers are employed in large numbers in both the public and private sectors across various branches, including the Design, Construction, and Maintenance of Roads, Highways, Bridges, Dams, Canals, Docks, Airports, Housing complexes, and Environmental Management, etc.



B.E COMPUTER SCIENCE AND ENGINEERING

DEPARTMENT VISION

To produce the leaders in the field of Computer Science and Engineering, evolving as a Centre of Excellence for Learning and Research.

ABOUT THE DEPARTMENT

The Department of Computer Science and Engineering was started in the year 2009 to render services to the student community to meet as the global industrial experts. The department is well equipped with state of the art laboratories with internet and Wi-Fi facility. The objective of the department is to develop competent professionals with innovative research capabilities. The students have facilities to do their project on or off-campus in the final year with an option to choose their platform and thus they are exposed to the real time computer problems which are to mould them to conquer the challenging IT world.



UG PROGRAMME

DEPARTMENT MISSION

- To develop globally competent engineers capable of providing secure and Out-of-the Box computing and cutting-edge technology solutions.
- To provide state-of-art laboratories and quality learning environment.
- To educate students with ethical values and to serve society with innovative, intelligent products and services.

LABORATORIES

Computer Programming Lab | Programming & Data Structures Lab | Object Oriented Programming Lab | DBMS Lab | Internet Programming | Computer Network Lab | Compiler Lab | Operating System Lab | Mobile Application Development Lab | Research Lab | Object Oriented Analysis Design Lab | Networks Lab | Cloud Computing Lab | Security Lab

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

Graduates shall exhibit their sound theoretical, practical skills and knowledge for Successful employments or higher studies or research or entrepreneurial assignments.

Graduates shall have lifelong learning skills, professional ethics and good communication capabilities along with leadership skills, so that they can succeed in their life.

Graduates shall become leaders, innovators and entrepreneurs by devising software solutions for social issues and problems, thus caring for the society.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Have capabilities to successfully qualify in national level competitive examinations for higher studies and employment.
- Have abilities to apply their knowledge in the domain of Design and Analysis of Algorithms, Computer Networks, Artificial Intelligence, Information Security, Data Science, Data Structure, Grid and Cloud Computing, Software Engineering, Machine Learning, Operating Systems.

SCOPE

True to its global reputation, the Indian IT sector has a lots of scope in terms of growth in employment opportunities. According to Nasscom, the Indian IT exports are expected to expand to the tune of US\$ 175 billion by 2020. A huge requirement of trained IT Engineers is expected in the forth coming years. Some of the Multinational Firms and Government sectors who hire Computer Engineers in large are Google, Yahoo, Microsoft, Intel, Apple, Sony, Accenture, IBM, Oracle, Honeywell, Facebook, HP, Amazon, Dell, Acer, DRDO, ISRO, ECIL and BEL etc.

JOB OPPORTUNITIES

The field of Computer Science and Engineering (CSE) offers diverse and exciting career opportunities in an ever-evolving technology landscape. Graduates with a Bachelor of Engineering (B.E.) in CSE are in high demand across industries, ranging from IT services to cutting-edge technology domains. Job roles include Software Engineer, Full-Stack Developer, Mobile App Developer, Data Scientist, Data Analyst, Business Intelligence Analyst, AI Engineer, Machine Learning Specialist, Robotics Engineer, Cybersecurity Analyst, Ethical Hacker, Information Security Manager, Cloud Solutions Architect, DevOps Engineer, Cloud Engineer, Web Developer, Front-End Developer, UX Designer, Game Developer, VR/AR Engineer, Graphics Programmer, and Entrepreneur.





B.E ELECTRONICS AND COMMUNICATION ENGINEERING

UG PROGRAMME

DEPARTMENT MISSION

- To cater all necessary inputs to excel in electronics knowledge both in theory and practical.
- To develop leadership and entrepreneurship qualities with social and ethical values
- To provide the opportunities for innovation & collaborative research with industry and academia.



LABORATORIES

Analog and digital circuits Lab |
LIC and Communication Systems
Lab | Microprocessors and
microcontrollers Lab | DSP Lab ,
Embedded systems and computer
networks Lab | optical and
microwave Lab | PG and research
Lab, Embedded sysem & LOT Lab
| Electronic system design Lab
| CISCO netwrking Lab | Project Lab

ABOUT THE DEPARTMENT

The Department of Electronics and Communication Engineering came into existence in 2009 at JCT. Rapidly changing needs of telecommunication industry coupled with indispensable need for Electronics has fabricated this specific branch of recent times . Apart from the prescribed curriculum, students at JCT are kept in close contact with the industry to make them capable of taking their professional challenges. The Department of Electronics and Communication Engineering, imparts maximum knowledge to students and nourishes them as capable engineers with high level of talent, Professional ethics and creativity.

DEPARTMENT VISION

Electronics and Communication Engineering department aims to empower the budding engineers with technological excellence to meet current and imminent challenges in creative research and employment.

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Graduates will have the potential to become globally competent team players and leaders in the allied fields of electronics and communication engineering.
- Graduates will have the core technical skills and knowledge that will empower them to pursue lifelong learning and research.
- Graduates will deliver innovative solutions and services to address industrial and societal challenges, upholding ethical principles and social responsibility.



PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Analyze, Design, Simulate and Integrate Electronic Circuits and Systems for given specifications.
- Apply the technical knowledge to solve complex problems in the areas like signal processing, Communication, VLSI design and Embedded Systems.

SCOPE

The scope of the course gives enormous job opportunities in Electronics and Software Companies. All Electronic devices need software interface to run and come with one other or other device controlling programs architected and developed by Electronics and Communication Engineering. It also gives great opportunities for research and development, as everyday consumer needs new devices to support them in daily life.

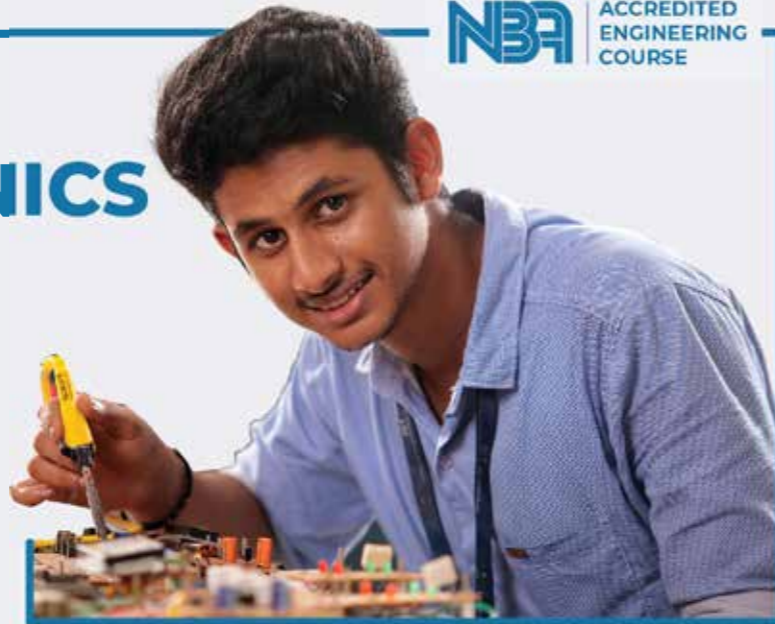
JOB OPPORTUNITIES

Electronics and Communication Engineering is one of the best course in the field of Engineering. This article provides Career Guidance, Choices, Career development strategies, Job Opportunities, Salary and Skills required in the field of Electronics and Communication for ECE students to make a successful career. Ece students have jobs in both Private Sector as well as Public Sector.



B.E ELECTRICAL AND ELECTRONICS ENGINEERING

NBA ACCREDITED
ENGINEERING
COURSE



UG PROGRAMME

DEPARTMENT VISION

Emerging as a Center of Excellence in Electrical and Electronics Engineering education for studies and research.

DEPARTMENT MISSION

- To create state-of art facilities for teaching, learning, laboratory practices and research.
- To develop competent engineers through value addition programs, products incubation, interactive seminars, communication programs, group discussions, trainings, etc.
- To initiate collaborative relationships with Industries and Institutions for real-life experiences.



ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering is dedicated to the current needs of industry with the flexibility to tune its programmes according to different requirements. Application of new technology in various fields is one of the main focuses in the activities of the department research facility for the development in design and development of lightning protection system etc. Educational activities in the Department of Electrical and Electronics Engineering are carried out in buildings equipped with highly developed laboratories, where all the technological facilities of our present-day world met at our students disposal.



LABORATORIES

Electric Circuits Lab | Electronic Devices and Circuits Lab | Engineering Practices Lab | Power Electronics Lab | Power System Simulation Lab | Electrical Machines Lab | Measurement and Instrumentation Lab | Control Systems Lab | Electronics Design Lab | Electric Drives and Control Lab

PROGRAMME EDUCATIONAL OBJECTIVES (PEOs)

- Graduates shall have successful career in industry or have motivation for higher education or research.
- Graduates shall apply their knowledge of Electrical and Electronics Engineering and work as part of a team on multidisciplinary projects.
- Graduates shall have lifelong learning skills, professional ethics and good communication capabilities along with entrepreneur skills and leadership, so that they can succeed in their life.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- Have abilities to apply their knowledge in the domain of Electronics, Electrical Drives, Power Generation and Transmission, Power Electronics and Control system for the benefits of the society and the Nation.
- Have abilities to successfully qualify in national level competitive examinations for higher studies and employment.

SCOPE

Our life would be unthinkable without the use of electrical energy. The growing utilization of the latter is a decisive prerequisite for a rapid development of industry and agriculture. The progress of the country nowadays is measured in terms of electrical energy generating capacity of that country. The demand for environmentally friendly power generation, more sophisticated Electrical and Electronic devices are cheaper and smarter products which provides a lot of work for Electrical Engineers.

The areas they can fit in are design and development, manufacturing, automation, production and maintenance, operation and control of any equipments or products which work on electricity.

JOB OPPORTUNITIES

Electrical Engineers are much in demand in India in the recent years. They are needed in all manufacturing units. All major companies of Public and private sector such as Electricity Boards, Large Scale Industries, Manufacturing plants, Power Corporations, Hydro-Electricity sector are continuously in need of electrical engineers for their projects.





JCT COLLEGE OF ARTS AND SCIENCE

PREAMBLE

JCT College of Arts and science (JCTCAS) was started by Jagannath Educational Health and Charitable Trust in 2024 with the primary objective of providing quality education for all students, embraced by serene nature, world-class infrastructure and excellent learning environment. The college, at present offers 6 UG courses with a foremost ambition to promote and provide value-based quality education to enlighten the students, empower and equip them to be the leaders of tomorrow and frame them to the responsible citizen of our country.

COURSES OFFERED

BSc - COMPUTER SCIENCE

B.COM - LOGISTICS AND SUPPLYCHAIN MANAGEMENT

BBA - LOGISTICS

BSc - ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

BACHELOR OF COMPUTER APPLICATIONS

BSc - DIGITAL AND CYBER FORENSIC SCIENCE



BSc COMPUTER SCIENCE

DEPARTMENT MISSION

- To enrich knowledge in core areas related to the field of computer science and Mathematics.
- To provide opportunities for acquiring in-depth knowledge in Industry 4.0/5.0 tools and techniques and there by design and implement software projects to meet customer's business objectives.
- To enable graduates to pursue higher education leading to Master and Research Degrees or have a successful career in industries associated with Computer Science or as entrepreneurs.

DEPARTMENT VISION

- To cultivate a community of computer science professionals who can collaborate effectively, communicate complex ideas clearly, and demonstrate a commitment to ethics, social responsibility, and continuous learning.

ABOUT THE DEPARTMENT

Bachelor of Computer Science (B.Sc. CS) is the foundation technology for building a rich and fulfilling information society. At the department, students are not simply taught how to program in multiple languages, but they are also given the practical training to acquire a deeper understanding, such as the basics of data structures and control structures, basic algorithms and methods involved in software design and constructions.

The department provide students with the propitious platform and standard education in Computer Science education and reinforce their potential for lifelong quality career in the highly competitive global environment.

JOB OPPORTUNITIES

- Software developer
- Website developer
- Mobile app developer
- UI/UX developer
- Web designer
- Web administrator
- Software tester
- System administrator



B.COM. LOGISTICS & SUPPLY CHAIN MANAGEMENT

DEPARTMENT MISSION

- Empower the graduates to develop comprehensive professional skills which are required for commerce with specialization in logistics and supply chain management.
- To enhance various commerce functions such as finance, accounting, financial analysis, project evaluation, taxation and cost accounting.
- Enable the students to engage exams like C.A., C.S., and CMA

DEPARTMENT VISION

- To develop logistics and supply chain professionals who can analyze complex data, identify trends, and make informed decisions that drive business growth, improve efficiency, and reduce costs.

ABOUT THE DEPARTMENT

The focus of the department is to build the wide range of knowledge in the areas of accounting concepts and techniques to meet the current and future requirement of the industry. The department aim to develop the strong knowledge in the areas such as finance, taxation, and laws relating to commerce helps to relate the conceptual and analytical skills in the field of auditing, finance etc. This programme offers the students value-based education by acquiring adequate knowledge, skill and attitude to creatively and systematically apply the principles and practices of management, accountancy, finance, business law, statistics, HR, operations and IT to management problems and work effectively in modern day business and non-business organizations specifically in areas of Logistics and Supply Chain Management.

JOB OPPORTUNITIES

- Inventory control manager
- International logistics manager
- Warehouse operation manager
- Materials manager
- Supply chain manager
- Customer service agent
- Production manager



BBA LOGISTICS

DEPARTMENT MISSION

- Graduates will be capable of making a positive contribution to business, trade and industry in the national and global context in logistics.
- Graduates will be able to apply frameworks and tools to arrive at informed decisions in profession and practice, striking a balance between business and social dimensions.
- Graduates will have solid foundation to pursue professional careers and take up higher learning courses such as MBA, MCA, MCM, MMM as well as research.

DEPARTMENT VISION

- To cultivate globally-minded logistics professionals who can navigate complex international trade environments, manage cross-cultural teams, and drive business success in a rapidly changing world.

ABOUT THE DEPARTMENT

BBA Logistics, a three-year full time degree program essentially covering the concepts and process involved in logistics. Logistic management includes the designing and administration to control the flow of materials to all business units.

The curriculum is designed to give a holistic business perspective with in-depth industry knowledge in logistic domain. It equips students with required business expertise and industry-centric knowledge.

Demonstrate the critical thinking mindset and the ability to identify and formulate research problems, research literature, design tools, analyze and interpret data, and synthesize the information to provide valid conclusions and Logistical approaches across a variety of subject matter.

JOB OPPORTUNITIES

- Production manager
- Export executive
- Operations manager
- Logistics coordinator
- Distribution center officer
- Warehouse supervisor
- Global logistic manager



BACHELOR OF COMPUTER APPLICATIONS

DEPARTMENT MISSION

- Aims to inculcating essential skills as demanded by the global software industry through interactive learning process. This also include team-building skills, audio-visual presentations and personality development programs.
- To enable students for pursuing respectable career through self-employment, executive employment, entrepreneurship, professional career in the field of service sectors such as web design, data analysis, network security, and software development.
- To provide students with the knowledge and abilities necessary for professions in the software sector, as well as with the application of computers.

DEPARTMENT VISION

- To develop industry-ready graduates who can excel in software development, IT consulting, and related fields, and who possess the skills, knowledge, and attitudes necessary to adapt to an ever-changing technological landscape.

ABOUT THE DEPARTMENT

BCA is a three-year undergraduate degree program for candidates wishing to start a career in computers and its applications. This department aims to provide the graduates the required skills from fundamentals to current technologies for them to create efficient solution for industrial and real-life problems.

The department provides the graduates with the knowledge and promote innovative thoughts by addressing design and developmental trade-offs in the IT industry. It comprises of papers like database, networking, data structure, core programming languages like 'C' and 'Java'. This course develops critical, analytical thinking and problem solving abilities for a smooth transition from academic to real-life work environment. In addition, students are trained in communication skills and interdisciplinary topics to enhance their skills and employment opportunities.

JOB OPPORTUNITIES

- Software developer
- Data base administrator
- Information systems manager
- Data analyst
- Data scientist
- Cyber security analyst



BSc ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

DEPARTMENT MISSION

- Expertized with the principles of Artificial Intelligence and problem solving, inference, perception, knowledge representation, and learning.
- Exhibit high standards with regard to application of AI techniques in intelligent agents, expert systems, artificial neural networks and other machine learning models.
- Investigate with a machine learning model for simulation and analysis and explore the scope, potential, limitations, and implications of intelligent systems.

DEPARTMENT VISION

- To develop skilled professionals who can drive AI-driven innovation, collaborate with cross-functional teams, and demonstrate a commitment to ethics, social responsibility, and continuous learning in the rapidly evolving field of AI and ML.

ABOUT THE DEPARTMENT

B.Sc. Artificial Intelligence & Machine learning programme prepare students with the skills to perform intelligent data analysis which is a key component in numerous real-world applications. During the past ten years, data science has emerged as one of the most high-growth, dynamic and lucrative careers in technology. The department aims to providing not only the core technologies such as artificial intelligence, data mining and data modelling but also gives intensive inputs in areas of machine learning and big data analytics. The students will gain cross-disciplinary skills across fields such as statistics, computer science, machine learning, and logic, data scientist and may have career opportunities in health care, business, e-commerce, social networking companies, climatology, biotechnology, genetics and other important areas. The major focus of the department is to equip students with statistical, mathematical reasoning, machine learning, knowledge discovery and visualization skills+

JOB OPPORTUNITIES

- Machine learning engineer
- Artificial intelligence engineer
- Business intelligence analyst
- Big data engineer
- Cloud architect
- Technical writer



B.Sc DIGITAL AND CYBER FORENSIC SCIENCE

DEPARTMENT MISSION

- To empower students with comprehensive knowledge, practical expertise, and ethical values in digital and cyber forensic science, enabling them to combat cybercrime, safeguard digital ecosystems, and contribute to society through innovation, research, and multidisciplinary collaboration.

DEPARTMENT VISION

- To equip students with the knowledge, skills, and tools necessary to stay ahead of emerging threats, vulnerabilities, and technologies, enabling them to drive innovation in digital forensics and cybersecurity.



ABOUT THE DEPARTMENT

The Department of BSc Digital and Cyber Forensic Science at our Arts and Science College is dedicated to providing a comprehensive education in the dynamic fields of digital forensics and cybersecurity. In today's technology-driven world, the need for skilled professionals who can investigate and protect against digital crimes is greater than ever.

Our department offers a cutting-edge curriculum that combines the fundamentals of forensic science with the latest advancements in digital technologies. Students will gain a deep understanding of areas such as cybercrime investigation, data recovery, ethical hacking, network security, and digital evidence analysis.

With a focus on both theoretical learning and hands-on experience, we equip students with the practical skills needed to excel in the ever-evolving landscape of cyber forensics. Through state-of-the-art laboratories, expert faculty, and industry collaborations, our students are prepared to meet the challenges of securing digital environments and solving cybercrime cases.

JOB OPPORTUNITIES

- Digital Forensics Analyst
- Cybersecurity Consultant
- Incident Response Specialist
- Computer Crime Investigator
- Information Security Analyst
- Penetration Tester
- Information Assurance Specialist
- Vulnerability Assessor
- Cyber Intelligence Analyst
- Digital Evidence Examiner
- Forensic Computer Analyst
- Network Security Engineer
- Threat Intelligence Analyst
- Cryptanalyst
- Cybersecurity Architect
- Electronic Discovery Specialist
- Cybercrime Investigator
- Digital Forensics Engineer

JCT POLYTECHNIC COLLEGE

PREAMBLE

The JCT Polytechnic College was established in 2014 as a charitable institution with a prime ambition of affording opportunities to young men and women for equipping themselves to get employed and contribute to the technological development of the nation. The college is growing day by day and emerging as one of the ranking Polytechnic Institutions in Tamilnadu. The College is located at Pichanur at the foothills of the Western Ghats in a serene, eco friendly lush green environment. The college has an excellent infrastructure facilities like spacious buildings, fully equipped laboratories for each discipline, workshops, computer center with internet connectivity, and well - qualified, experienced and dedicated faculty.

6 DIPLOMA COURSES

Agricultural Engg.,

**Computer
Technology**

Mechanical Engg.,

Automobile Engg.,

EEE

Petrochemical Engg.,

VISION

Emerge as a leading Institute for Quality and Skill embedded Diploma Education.

MISSION

- ▶ State of –the–art infrastructures for conducive, quality learning.
- ▶ Skills embedded education for productive careers and higher studies.
- ▶ Value and Ethics Integrated Technical Education.

QUALITY POLICY

JCT Polytechnic College is committed to produce technically competent Engineers with the necessary skills and character especially from among the rural youth, to meet the emerging needs of the Industry and Society.



HIGH QUALITY TRAINING APPROACH FOR DOMAIN & PERSONALITY

At JCT regular domain based & personality based training sessions are conducted with the help of best expert trainers. This helps students in both campus recruitment and corporate placement. JCT is consciously working towards a regime wherein industry's aspirations for recruiting plug and play kind of employees are met by imparting employability skills to the students. JCT students have strong conceptual foundations, capacity to work and exposure to real-life work conditions. The education system at our College is highly innovative and has incorporated the best practices followed in Higher education.

AGRICULTURAL ENGG.,

DEPARTMENT VISION

To become a leading technical Institute of academic excellence in the field of Agriculture Engineering by imparting professional education with human values to the younger generation.



ABOUT THE DEPARTMENT

Diploma in Agricultural Engineering is an ancient engineering field which laid the foundations for the development of other engineering fields. Agricultural engineers play a vital role in the development of agriculture and land development for so many other fields. The department aims at producing quality engineers with sound technical knowledge and awareness of the latest advancements in existing and emerging technologies. This Diploma course on Agricultural Engineering emphasis of agro Industries and Technical Industries in rural area, and this course Agricultural Engineering is serving Rural farmers in a big way on Farm technology Transfer and imparting Technical Education.

DEPARTMENT MISSION

- ▶ Ensuring effective teaching–learning process to provide in-depth knowledge of principles and its applications pertaining to Agricultural Engineering and interdisciplinary areas.
- ▶ To undertake collaborative projects which offer opportunities for long-term interaction with academia and industry.
- ▶ To inculcate value-based, socially committed professionalism to the cause of overall development of students and society.

MECHANICAL ENGG.,

DEPARTMENT VISION

To impart value based quality technical education with multi disciplinary skills in Mechanical engineering enabling young generation to face challenges in the modern world.

ABOUT THE DEPARTMENT

The Department of Mechanical Engineering (DME) at JCT Polytechnic College was started in the year of 2014 with sanctioned intake of 120 students. The department has a team of well qualified, dedicated and motivated faculty members. An interactive relationship is maintained between the students and staff which enable the students to develop a technical knowledge up to date.

DEPARTMENT MISSION

- ▶ To provide value based technical education and mould the character of younger generation.
- ▶ Discharging Hands-on training to students for continuous improvement in knowledge , and skills with good sound practical exposure and hence satisfying stake holders in terms of quality man power for industries and good placement for students.
- ▶ Providing professional ethics, leadership qualities ,self confidence, decision making capabilities, good communication skills and empowerment to students to face challenges in the industries and the world.

PETROCHEMICAL ENGG.,

DEPARTMENT VISION

To produce competent Diploma graduates in Petrochemical Engineering and to achieve Excellence in Education.



delivers to ensure the creation of a complete Petrochemical engineer with high sense of social responsibilities.

DEPARTMENT MISSION

- ▶ To develop the students with good technical skills.
- ▶ To produce competent diploma engineers to meet the industries and societal needs and to address the same through innovative and eco-friendly solutions
- ▶ To meet the aspirations and expectations of the industry, society and the country.

ABOUT THE DEPARTMENT

The department of Petrochemical Engineering is regarded as one of the first centre for Petrochemical engineering in Coimbatore Tamil Nadu (India) by industries as well as academia. Department of petrochemical engineering is committed to impart knowledge to students at all levels through a vibrant , Dynamic and state of art intellectual

COMPUTER TECHNOLOGY

DEPARTMENT VISION

To qualify in the field of Computer Technology through high quality technical education and empower the professionals to serve better the society.



DEPARTMENT MISSION

- ▶ To create innovative technologies in the field of Computer Technology for building the nation with modern tools and technologies.
- ▶ Upgrade the facilities to develop competent faculty and staff to produce quality Diploma Engineers.
- ▶ Establish sustainable industry - Institute interaction to enhance specific domain knowledge and entrepreneurship skills.

ABOUT THE DEPARTMENT

The department of Computer Technology has well equipped laboratories and experienced faculty members to provide an excellent knowledge and skill to the students. It enables the students to meet the future challenges in terms of employment in high technology workforce and the ability to pursue higher studies.

ELECTRICAL AND ELECTRONICS ENGG.,



ABOUT THE DEPARTMENT

The Department of Electrical and Electronics Engineering was established in the year 2014-2015 with an intake of 60 students. The EEE department has been established with the firm commitment of developing and producing quality Electrical and Electronic Engineers with high-technical knowledge and good practical basis, combined with leadership skills and decision making capabilities. The curriculum of the department of electrical and electronics engineering is therefore designed to impart the students consummate knowledge and skills for careers in wide range of industries.

DEPARTMENT VISION

To impart value based, quality technical education with multidisciplinary skills in Electrical and Electronics Engineering

DEPARTMENT MISSION

- ▶ Quality technical education in Electrical, Electronics and allied Engineering.
- ▶ Training programs imparting employable skills and knowledge towards employability or to pursue higher studies.
- ▶ Programs on Human values and ethics to serve the society.



ABOUT THE DEPARTMENT

Department of Automobile Engineering is started at 2024. Automotive or Automobile Engineering is a branch of engineering discipline which studies the operating principles of the automobiles by incorporating various elements of engineering such as mechanical, electronic, electrical, software and safety engineering. The study of automotive engineering is to design, develop, and test vehicles or vehicle components. Designing, development, manufacturing and service of vehicles are the major functions in this field. Manufacturing involves production of components and vehicles which utilizes most modern machines, equipments and tools. We are committed to nurture our students with interdisciplinary knowledge required, with attitude.

AUTOMOBILE ENGG.,

DEPARTMENT VISION

To develop globally competent Automobile Engineers with multidisciplinary skills for serving better to the industry with social and moral values.

DEPARTMENT MISSION

- ▶ To provide a learning environment that helps to acquire basic and interdisciplinary knowledge.
- ▶ To develop technical skills and ability to handle modern tools and equipments used in industry.
- ▶ To create an ambiance that inculcates ethical values and leadership skills.

CURRICULAR ACTIVITES

Each department is organizing work shop, National level seminars, Faculty Development programs, Guest lectures, Industrial visits and QUIZ programs through their departmental Associations.Co-curricular activities are conducted through Professional society like ISTE, NSS, YRC, SAE, I.I Chem.E, and IEEE. Cultural activities are appreciated from the students and talented students are encouraged to take part in inter collegiate competitions. Good sports facilities for both Boys and Girls are available under the guidance of Physical Directors. Students are participating in inter university and inter collegiate competitions. The college sponsors sport events of national and state level tournaments. Coaching for GATE, GRE, TOFEL, I.A.S, B.E.C and many value added courses are conducted. M.O.U is signed with many industries for Institute-Industry interaction. Some industries recently signed for M.O.U include Nilgiris Chemical and Stoneware company (P) Ltd, COCENA, ROBERT BOSCH, Q-BURST, COINDIA, V- GUARD. All efforts are taken by the placement cell to make Psychometric assessment to determine aptitude, behavioral traits and communication abilities of students, provide counselling of Job prospects and provide training for the gaps discovered in the assessment. This will help the institution to have 100% campus placement.



HIGH QUALITY TRAINING APPROACH FOR DOMAIN & PERSONALITY

At JCT regular domain based & personality based training sessions are conducted with the help of best expert trainers. This helps students in both campus recruitment and corporate placement. JCT is consciously working towards a regime wherein industry's aspirations for recruiting plug and play kind of employees are met by imparting employability skills to the students. JCT students have strong conceptual foundations, capacity to work and exposure to real-life work conditions. The education system at our College is highly innovative and has incorporated the best practices followed in Higher Education.

JCT EDGE

- ▶ MOU's with best in country corporate training companies for imparting knowledge in special domains and niche areas of PETROLEUM/ PETROCHEMICAL /FOOD TECH/ AUTOMOBILE / MECHANICAL/CSE / ECE / EEE/ CIVIL.
- ▶ Industry-Instituted-Interface through inter-collegiate technical events / technical festival, seminar, conferences etc.
- ▶ MOU's with campus recruitment consultancies.
- ▶ Online quiz, placement papers of logical reasoning, English, Aptitude and Mock Interviews.
- ▶ Invitation to Companies and professional career consultants as a part of industry-instituted-interface program.

PLACEMENT AND TRAINING

The Training & placement Cell is committed to provide all possible assistance to its graduates in their efforts to find employment. This commitment is demonstrated by the existence of a full time professor in charge.The benefit of this assistance is reflected in the preparation of students who are able to secure lucrative and esteemed positions. The Training is assisted by Faculty of JCT and trainers from the reputed training sectors. Placement service operates year round to facilitate contacts between companies and graduates. Placement coordinators are available to respond to student's question and concern of all kinds. The aim is to ensure that students have the information and skills necessary for an effective job search. All advice is based on up-to-date placement statistics and an envisioned view of future and educational and industrial trends. Every efforts is undertaken to create opportunities for our students to get placements. We hope to reach maximum placements level in the years to come.



PLACEMENT AND TRAINING

QUALITY OBJECTIVES

- ▶ Up-gradation of the student's skill commensurate with the expectations of the industry.
- ▶ Empower students with life-long career decision-making skills.
- ▶ Serve the community by providing access to our campus multifarious activities & career resources.
- ▶ Assist the students for placement in reputed companies through in-campus and joint campus placement programs.
- ▶ Enhance Industry-Institute interaction program through various industrial visits.
- ▶ Conduct Entrepreneurship awareness programs for final and pre-final year students.



CORPORATE RESOURCE CENTRE

The Corporate Resource Centre (CRC) at JCT has been established to prepare its students for the large competitive world. The CRC consists of a team that combines the academic power of JCT with the vitality and ambition of the students. It helps them to develop and shape their vision through a whole series of Training and Placements. The CRC networks with the best companies in IT, Telecommunications, Petroleum, Petrochemical, Food Technology, Mechanical, Electrical, retailing, manufacturing, FMCG, and many other industry sectors on a day to day basis. Every student is provided with ample opportunities for employment through campus interviews and placement processes which are conducted regularly for the entire year with the help of best expert trainers. This helps students in both campus recruitment and corporate placement.

WE TRUMPET ONLY THE COMPANIES VISITED

“ WE ONLY SAY WHAT WE DO ”

PLACEMENT AND TRAINING ROAD MAP



100% PLACEMENT ASSISTANCE

65+ COMPANIES VISITED IN CAMPUS

362+ OFFERS

60 LPA HIGHEST SALARY

9.0 LPA AVERAGE SALARY

PLACEMENT RECORDS IN 2023-2024

32 COMPANIES ADDED

MOU WITH THE COMPANIES

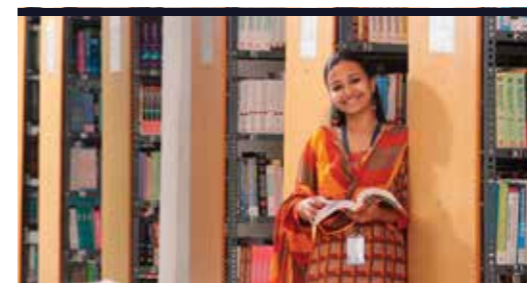


GOLD MEDALIST

AND ANNA UNIVERSTIY RANK HOLDERS

 RANK 1 SHIRLEY D FOOD TECHNOLOGY (2018-2022) BATCH	 RANK 1 SOWMIYA R FOOD TECHNOLOGY (2016-2020) BATCH	 RANK 1 PRIYADARSHINI G FOOD TECHNOLOGY (2015-2019) BATCH	 RANK 1 ANUSUYA S FOOD TECHNOLOGY (2014-2018) BATCH	 RANK 1 JIBIN BASIL PETROCHEMICAL (2014-2018) BATCH	 RANK 1 NANDHINI DEVI K M PETROCHEMICAL (2013-2017) BATCH	 RANK 2 RAHUL PETROCHEMICAL (2019-2023) BATCH	
 RANK 2 ASRAY A PETROCHEMICAL (2018-2022) BATCH	 RANK 3 SNEHA VASUDEVAN NAIR FOOD TECHNOLOGY (2018-2022) BATCH	 RANK 3 ABDULLA HAMZA A PETROCHEMICAL (2019-2023) BATCH	 RANK 3 JANSEER K PETROCHEMICAL (2014-20218) BATCH	 RANK 4 TEJAVATHU GOPALA KRISHNA PETROCHEMICAL (2018-2022) BATCH	 RANK 4 AMAL SHINO C PETROCHEMICAL (2015-2019) BATCH	 RANK 4 ABILASH PS PETROCHEMICAL (2013-2017) BATCH	
 RANK 5 SOWMIYA P FOOD TECHNOLOGY (2019-2023) BATCH	 RANK 5 PADMAPRIYA A FOOD TECHNOLOGY (2017-2021) BATCH	 RANK 5 SOURAV MS PETROCHEMICAL (2014-2018) BATCH	 RANK 5 PRANAV RAM PETROCHEMICAL (2013-2017) BATCH	 RANK 5 JAYASURYA S PETROLEUM (2015-2019) BATCH	 RANK 6 ARUNDHATHY SHABU FOOD TECHNOLOGY (2018-2022) BATCH	 RANK 7 AJITH LAL K.L PETROCHEMICAL (2014-2018) BATCH	
 RANK 7 ASHFAQ AHMED FJ PETROLEUM (2015-2019) BATCH	 RANK 7 ASWATHY S ME STRUCTURAL ENGG (2016-2018) BATCH	 RANK 8 MOHAMED HALITH M PETROCHEMICAL (2014-2018) BATCH	 RANK 9 ADHARSH M R PETROCHEMICAL (2015-2019) BATCH	 RANK 10 PREETHI R PETROCHEMICAL (2015-2019) BATCH	 RANK 11 HRITHIK PRAKASAN PETROLEUM (2017-2021) BATCH	 RANK 13 JAYASHREE V CIVIL ENGG. (2016-2018) BATCH	 RANK 14 SUJINI POWER ELECTRONICS & DRIVE (2016-2018) BATCH

FACILITIES



LIBRARY

Access to information is a vital key in developing the individuals potentiality. JCT has provided a central library consisting more than 10,000 volumes of books and adequate number of journals. All the latest editions of books both for reference and text are available in this library. It also subscribes to various newspaper and periodicals for the information and update of their knowledge.



HOSTEL

Every effort has been made at JCT to provide the best facilities for the students who live on the campus. Separate hostel facilities are available for boys and girls. The inmates of hostel are provided with reading table, chair, cot and fans. Hygienic steam boiled food is served in dining hall, Mineral water is available.



TRANSPORT

Transport facility is well provided for students and staff, who commute to college from far away places. All the buses reach the campus before 8:40 a.m.. The buses leave the campus at 4:30 pm, which help students to reach home early and safely. Around 90 kms radius of distance is covered by the 21 numbers of well-maintained college buses



CANTEEN

The College Cafe is a great hang out for all students. The College Cafe provides healthy & hygienic condition in & around. Hygienic food is available at reasonable cost. The Canteen serves both North Indian and South Indian cuisine and provides sumptuous food to the students.



RO PLANT SYSTEM

RO system is also installed in the campus. The water treatment plant provides safe drinking water at every tap on the campus. A high level of maintenance attention and regular testing ensure the quality of the water. Water treatment plant with reverse osmosis technology is available to provide quality drinking water.



ATM

City Union Bank has been operating with 24-hour ATM facility inside the college campus. All the students and staff members are utilizing these facilities. Hence, money transactions such as transfer, withdrawal and saving are carried out with ease. Hostel students are able to use the bank at any time. Parents can transfer money to their children's account.



ACHIEVEMENTS 2023 - 2024



WINNER TROPHY in Park Alumni trophy-2024 held at Park College of Engineering.



WINNER TROPHY in RGF Trophy -2024 held at Rathinam Group of Institutions.



WINNER TROPHY in Park Alumni trophy-2024 held at Park College of Engineering.



RUNNER TROPHY in Open Junior State Level Kabaddi tournament at Kerala.



Athletics team won **GOLD- 5,SILVER- 2,BRONZE- 2** in Anna university zone-10 Athletic championship 2023 held at SKCET.



GOLD MEDAL in 10000m and Silver medal in Half Marathon - Anna University 10th Zone Athletic Championship 2023.



GOLD MEDAL in Half marathon and 5000m. Anna University 10th Zone Athletic Championship 2023.



GOLD MEDAL in 400m, Anna University 10th Zone Athletic Championship 2023.



GOLD MEDAL in 10000m, Anna University 10th Zone Athletic Championship 2023.



SILVER MEDAL in Mr.Tamilnadu Classic Strong Men-2024 held at coimbatore on 12-03-2024..



SILVER MEDAL in Pole Vault. Anna University 10th Zone Athletic Championship 2023



SILVER MEDAL in Coimbatore Vizha Marathon held at Nehru stadium coimbatore on 07-01-2024



BRONZE MEDAL in Anna University Interzonal Power Lifting Championship held at PEC.



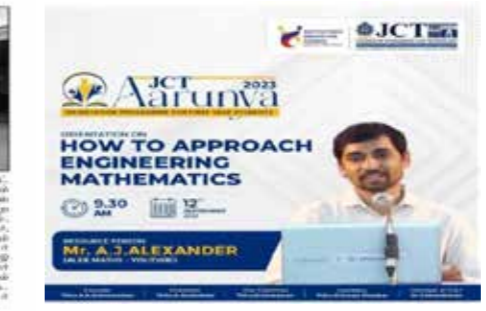
BRONZE MEDAL medal in 400m & Triple jump. Anna University 10th Zone Athletic Championship 2023.



BRONZE MEDAL in Anna University zone 10 Football Tournament held at NCET.



BRONZE MEDAL in Anna University zone 10 Badminton Tournament held at SKCET.



ஜெ.சி.டி., கல்லூரியில் வேலைவாய்ப்பு முகாம்
 சென்னை, 06-01-2024: கல்லூரியில் வேலைவாய்ப்பு முகாம் நடைபெற்றது. இதில் கல்வித்துறை அமைச்சர் கருணாநிதி, கல்வி அமைச்சர் ஜெ.சி.டி., கல்லூரியின் தலைவர் மற்றும் மாண்புமிகு உறுப்பினர்கள் கலந்துகொண்டனர். முகாம் நடைபெற்று, மாண்புமிகு உறுப்பினர்கள் மாண்புமிகு உறுப்பினர்களுக்கு வேலைவாய்ப்பு முகாம் குறித்து விவரம் தெரிவித்தனர். மாண்புமிகு உறுப்பினர்கள் மாண்புமிகு உறுப்பினர்களுக்கு வேலைவாய்ப்பு முகாம் குறித்து விவரம் தெரிவித்தனர்.



கனகசுந்தரன் வெள்ளாடு நகர்ப்பகுதி
 கனகசுந்தரன் வெள்ளாடு நகர்ப்பகுதி கட்டிடப்பணிகள் முடிவடைந்தன. இதில் கல்வித்துறை அமைச்சர் கருணாநிதி, கல்வி அமைச்சர் ஜெ.சி.டி., கல்லூரியின் தலைவர் மற்றும் மாண்புமிகு உறுப்பினர்கள் கலந்துகொண்டனர். முகாம் நடைபெற்று, மாண்புமிகு உறுப்பினர்கள் மாண்புமிகு உறுப்பினர்களுக்கு வேலைவாய்ப்பு முகாம் குறித்து விவரம் தெரிவித்தனர். மாண்புமிகு உறுப்பினர்கள் மாண்புமிகு உறுப்பினர்களுக்கு வேலைவாய்ப்பு முகாம் குறித்து விவரம் தெரிவித்தனர்.

NEWS AND EVENTS



Happy to share that **JCT College of Engineering and Technology(AUTONOMOUS)** has been shortlisted for the implementation of

AICTE -IDEA Lab
(idea Development, Evaluation & Application)

2024-25
 With a Funding Value of

₹ 1.1 Crore!
 (One Crore and Ten Lakhs)

Sincere Thanks to,
All the Stakeholders of our college