

KRISHNASAMY

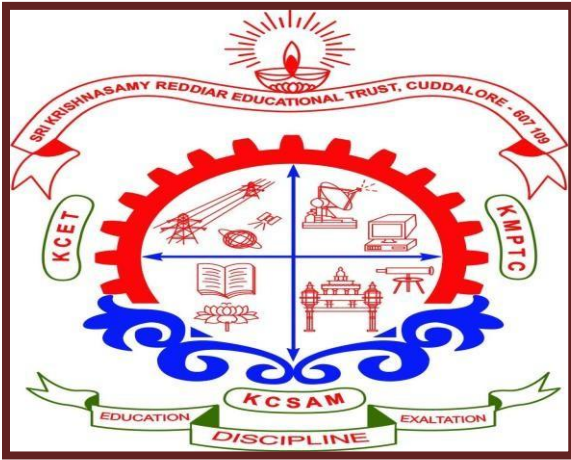
COLLEGE OF ENGINEERING AND TECHNOLOGY



An AICTE approved Institution, Affiliated to Anna University

Anand Nagar ,Nellikuppam Main Road, Cuddalore - 607 109.

PLACEMENT BROCHURE



INTRODUCTION

Krishnasamy College of Engineering and Technology was established in the year 2001 with a view to provide opportunities for the rural population in the backward district of Cuddalore to acquire Technical Education especially in the area of Information and Communication Technology and create manpower for the emerging knowledge society. The College believes in imparting quality education to its students. It believes that Engineering Graduates should have hands-on experience in their chosen area of specialization. Though it is not possible to prepare tailor made employees in an academic Institution, the college has been striving hard to improve the employability of the graduates. A strong link with other educational Institutions and industries will help in improvement of quality of our graduates. The College is functioning with the philosophy that every academic department should function with sufficient autonomy to plan and implement their academic programs.

OUR VISION

- ★ To gain international recognition as a world Class Technical Institution through discipline and devotion.

OUR MISSION

- ★ To provide high quality Technical Education meeting international bench marks.
- ★ To impart practical skills along with sound theoretical knowledge with the participation of industry.
- ★ To work for the development of Society in general and the rural masses in particular, in collaboration with other Institutions and Agencies.

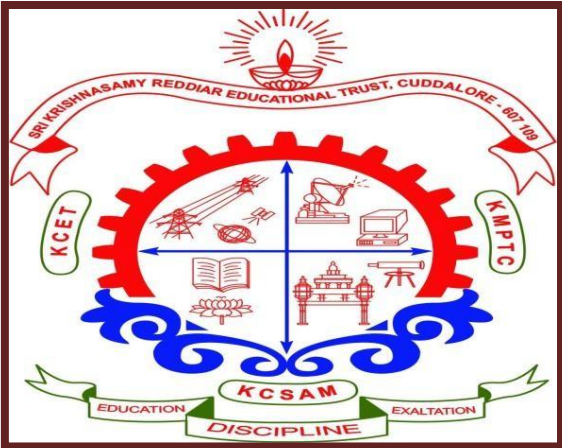


BOARD OF TRUSTEES OF

SRI KRISHNASAMY REDDIAR EDUCATIONAL TRUST

1. Dr. K. Rajendran, M.S., FICS., FAIS.,
Chairman / Managing Trustee
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Trustee / Chief Executive Officer
6. Er. Mrs. R. Bhuvaneeswari, M.E., M.B.A.,
Executive Director

Chairman's Message



A Call to Our Campus

Krishnasamy College of Engineering and Technology, established in 2001, approved by AICTE, is an institute of high technical standards offering five UG and two PG programmes. The College is affiliated to Anna University. Regular and meticulous conduct of examination, excellent infrastructure and above all, qualified, motivated and committed faculty members go a long way in ensuring the all round development of the professionals emerging from this institution.

The students are imparted with the state-of-the-art theory and practical knowledge to meet the global competition. Guest lectures are arranged frequently with the help of experts from reputed Universities to upgrade the knowledge of students. Industrial personnel are also involved in the training activities of the college to achieve excellence. Efforts are being made to provide greater impetus for practical training and Plant visits.

Personalities of International renown in the field of engineering are visiting our campus periodically and their impact to our students and faculty.

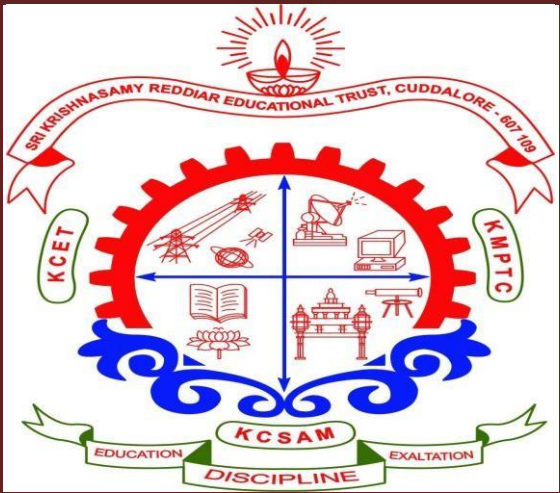
I am, confident that a visit to our luscious green campus will be mutually beneficial and you can be assured that the **KCETians** will be an asset to your organizations.

I invite you to organize Campus Recruitment Programme in our College and assess the caliber of our budding engineers and select as many of them as you may require.



Dr. K. Rajendran, M.S., FICS., FAIS.,

Principal's Message



A Call to Our Campus

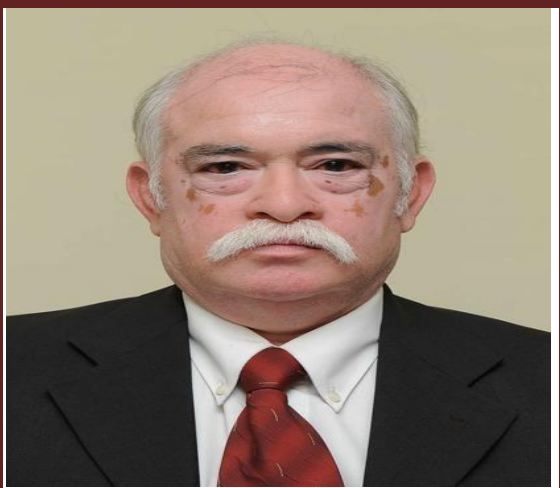
I am delighted to welcome you to the Krishnasamy College of Engineering & Technology website. I hope to convey the passion and enthusiasm that both staff and students bring to all that they do here, making this Institution such a wonderful place to learn. Founded in 2000, Krishnasamy College of Engineering & Technology is renowned for the outstanding holistic education that we provide. As a College we have a strong focus on student academic progress and achievement and continuation to University is the chosen route for the significant majority. We deliver a curriculum model based upon the English National Curriculum but which goes significantly beyond the minimum expectations to cover a diverse range of subjects.

Students work in an environment where they are stretched and challenged and have their expectations raised to achieve demanding targets. This is evidenced in the latest results where our students have done exceptionally well. Such success is a result of the partnership between the College, the students and parents through our commitment to parental engagement.

I am very proud of the exceptional body of teaching staff we have working across the College, engaging the students in a wide range of exciting learning opportunities.

I am confident that our ever evolving initiatives help to provide a balanced and holistic education.

Prof. Dr. T. ShanmugaVadivel





FACULTY

Krishnasamy College of Engineering and Technology is one of the few Institutions which have a diligent and devoted Faculty, recruited through open advertisement. All the members of the Faculty meet the qualifications prescribed by AICTE for the respective posts. Student-Faculty ratio of 20:1 is maintained in all UG & PG Departments.



ABOUT US

Krishnasamy College of Engineering & Technology (KCET) was established in the year 2001 by Sri Krishnasamy Reddiar Educational Trust with the sole motto of “EDUCATION, DISCIPLINE and EXALTATION”. The management is committed to provide quality technical education to the students, in particular from rural areas.

The trust also administers a Polytechnic College, a Women’s Arts College, School, College of Education besides the College of Engineering and Technology.

ACADEMIC PROGRAMMES

All B.E Programmes are of 4 Years duration divided into 8 Semesters. MCA Programme is of 2 Years(Lateral) duration divided into 4 Semesters and M.E Programme is of 2 Years duration divided into 4 Semesters. Each semester normally consists of 90 working days or 540 hours. The B.E. Final year UG & PG students are required to submit a Project during their final semester as a partial requirement for the award of the degree. Special efforts are taken by the College for the students to choose subjects of topical interest and get guidance to carry out their Projects.

COURSES OFFERED

| UG - PROGRAMMES | DURATION | INTAKE |
|---|----------|--------|
| Civil Engineering | 4 Years | 60 |
| Computer Science and Engineering | 4 Years | 60 |
| Electronics and Communication Engineering | 4 Years | 60 |
| Electrical and Electronics Engineering | 4 Years | 60 |
| Mechanical Engineering | 4 Years | 60 |

| PG - PROGRAMMES | DURATION | INTAKE |
|--------------------------------------|------------------|--------|
| Master of Computer Applications | 2 Years(Lateral) | 60 |
| M.E - Embedded System Technologies | 2 Years | 18 |
| M.E - Computer Science & Engineering | 2 Years | 18 |

ACTIVITIES

- Industrial Visits
- Guest Lectures, Seminars & Workshops
- National Level Technical Symposiums
- National Level Conferences
- Training Programs
- Carrier Development Programs
- Personality Development Programs
- Guidance for Placement
- Project EXPO

Department of Mechanical Engineering



ACTIVITIES

- ★ Guest Lectures by eminent professionals and experts are organized to enhance the students.
- ★ Regular industrial visits are arranged for the students to have an exposure about industrial environment.
- ★ Students are trained and encouraged to participate in national and international level symposiums and Technical exhibitions.



The department of Mechanical Engineering was established in 2005 with a vision to impart high quality technical education. Its mission is to craft the young students as energetic engineers blessed with pragmatic skills so that they can boldly face the challenges of the technical world. The Department is equipped with full fledged laboratory facilities and graced with field specialists, qualified faculty members and academicians to impart training to the students in the state-of-the-art technologies.

CURRICULUM

The curriculum given by Anna University is followed.

LABORATORY FACILITIES

Thermal Engineering

- Heat transfer equipments, IC engines, Steam boiler with turbine.
- Refrigeration and Air-conditioning test rigs.

Fluid Mechanics and Machineries

- Flow measuring devices
- Hydraulic pumps and Turbines

Strength of Materials

- Universal, Torsion, Impact, Hardness and Spring Testing Machine
- Metallurgical microscopes

Dynamics

- Cam analyzer, Governor apparatus, Motorized Gyroscope
- Static and Dynamic balancing machine
- Vibrating table, Whirling of shafts apparatus

Manufacturing Technology

- Lathes (All geared and CNC Trainer)
- Milling machines (Universal, vertical and CNC)
- Grinding machines and Drilling machines
- Slotter, Shapers, planer and Gear hobbing machines

CAD/CAM

- ★ CAD Software's: AutoCAD 2008, Autodesk Inventor
- ★ Offline part programming Software: FANUC
- ★ Analysis Software : ANSYS 11.0

Metrology

- ★ Profile projector, Floating carriage micrometer
- ★ Tool makers microscope, Mechanical comparator
- ★ Force and torque measuring setup, Autocollimator
- ★ Digital dial gauge calibrator

Mechatronics

- ★ Pneumatic Trainer Kits with electrical and PLC control.
- ★ HYDROSIM and PNEUMOSIM Software.
- ★ 8051- Microcontroller kit with stepper motor

Department of Civil Engineering



PROJECT AREA

- ★ Fibre Reinforced concrete.
- ★ Silica fumes in concrete.
- ★ Fly-ash for normal concrete.
- ★ Quarry dust in concrete.
- ★ Self-Healing concrete.
- ★ Fly-ash in high performance concrete.
- ★ Study on coarse aggregate with plastic chips.
- ★ Investigation on coconut shell in concrete.
- ★ Glass Fibre Reinforced Concrete.

The department of CIVIL Engineering was established in 2011 with a vision to impart high quality technical education with respect to construction within our students. Its mission is to craft the young graduates as energetic civil Engineers bestowed with construction, designing and estimation skills theoretically as well as practically, so that they can boldly face the challenges of the technical world. The Department is equipped with full fledged laboratory facilities and graced with field specialists, qualified faculty members and academicians to impart training to the students in the state-of-the-art technologies. Mini projects in seventh semester helps to develop designing and estimation skills in construction Platforms.

CURRICULUM

The curriculum given by Anna University is followed.

LABORATORY FACILITIES

Strength of Materials

- Rock well hardness testing machine, Beam deflection test apparatus
- Izod/Charpy impact testing machine.
- Utm of minimum 400 KN capacity, Torsion testing machine
steel rods.

Soil Mechanics

- Direct shear apparatus, Triaxial shear apparatus
- Unconfined compression testing machine, Relative density measuring device.

Hydraulic Engineering

- Calibration of flow through orifice tank/mouthpiece, Kaplan turbine
- Deep well pump, Centrifugal pump (single stage)
- Rotameter, Centrifugal pump (multi stage), Francis turbine, Venturimeter.

Environmental Engineering

- Turbidity Meter, Conductivity Meter,
- Bod Incubator, Desicator, Cod Apparatus, Kjeldane Apparatus, Chlorine Comparator.

Concrete and Highway Engineering

- Los Angles Abrasion test, Aggregate impact testing machine, Marshall Stability testing machine,
- Vibrating machine for mortar cubes, Flexural testing machine, Sieve shaker machine, and Flow table apparatus.



Department of Electrical & Electronics Engineering

As this era marks rapidly developing technologies, it is highly essential that the students should be aware of the developments in the fields of Power, Modern Power Electronics, Control of Power System and Measurements of Power Parameters. As business is in a state of flux, speed of thought and competitiveness are the criteria, which separate the best from the rest. The department of Electrical and Electronics Engineering is well equipped with state-of the art facilities, laboratories and infrastructure which are regularly upgraded to add strength to our team. The course curriculum is periodically updated with inputs from the industry to facilitate better comprehension of the emerging technology like Power system Simulation designs. Highly experienced and dedicated faculty members shape the students into Engineers with all round expertise. The Department is offering two courses B.E., [EEE] and M.E., [Embedded System Technologies].

CURRICULUM

The curriculum given by Anna University is followed.

LABORATORIES

- ★ Electrical machines Lab
- ★ Measurements and Instrumentation Lab
- ★ Control System Lab
- ★ Electric circuit's lab
- ★ Power Electronics Lab - Voltage/frequency controller
- ★ Power system Simulation Lab - MATLAB
- ★ Electrical Engineering Practice Lab

STATE-OF THE-ART EQUIPMENT

- ★ DSP Trainer Kit
- ★ Advanced Networking Kits
- ★ Microwave test benches, sources and detectors
- ★ Computer terminals with P-IV processors with 2.6GHz.
- ★ High frequency oscilloscopes
- ★ Digital Coding System
- ★ Modulation and Demodulation trainer kits
- ★ Transmitter and receiver trainer kits
- ★ Microprocessor and Microcontroller Trainer Kits
- ★ Microprocessor Interface kits

ELECTIVES

- ★ Special Electrical Machines
- ★ Power Quality Management
- ★ Power system transients, Power system dynamics
- ★ Bio Medical Instrumentation
- ★ Solid State Relays



PROJECT AREAS

- ★ Fault location in power ~~st~~ using computer network
- ★ Radial Energy System
- ★ Power System Control
- ★ Power management through web
- ★ Real Time Operating Systems
- ★ Robotics
- ★ Speech Recognition and DSP
- ★ Power System Simulator and ~~W~~ based System



Department of Electronics & Communication Engineering

Electronics and Communication Engineering (ECE) is a swiftly advancing field, with new ideas emerging every other second. From mobile phones to fiber optics to remote sensing, there are exciting avenues to explore and create even better ideas. With technology becoming all pervasive in everyday life, opportunities for electronic engineers are endless.

CURRICULUM

The curriculum given by Anna University is followed.

LABORATORIES

- Electronic Devices and Circuits Lab
- Digital Electronics Lab
- Design and Simulation Lab
- Microwave Engineering Lab
- Microprocessor and Microcontroller Lab
- Advanced Communication Engineering Lab

STATE OF THE-ART EQUIPMENT

- DSP Trainer Kit
- Advanced Networking Kits
- Microwave test benches, sources and detectors
- Computer terminals with 2.6 GHz, P-IV processors.
- High frequency oscilloscopes
- Digital Coding System
- Modulation and Demodulation trainer kits
- Transmitter and receiver trainer kits
- Microprocessor and Microcontroller Trainer Kits
- Microprocessor Interface kits

ELECTIVES

- Medical Electronics
- High Speed Networks
- Television and Video Engineering
- Total Quality and Management
- Telecommunication Switching and Networks
- Optoelectronic devices



PROJECT AREAS

- ★ VLSI Design and Embedded Systems
- ★ Optical Communication
- ★ Tele Maintenance
- ★ Cellular Mobile Communication
- ★ Bio Medical Engineering
- ★ Real Time Operating Systems
- ★ Speech Recognition
- ★ Digital Signal Processing
- ★ Robotics
- ★ Network Simulator
- ★ Radio Frequency, Zigbee & Wireless Protocols



Department of Computer Science & Engineering



PROJECT AREAS

- ★ Grid Computing
- ★ Networks Security and Information System
- ★ Image Processing
- ★ AD-HOC Networks
- ★ Information Retrieval
- ★ Distributed Computing
- ★ Cloud Computing
- ★ Mobile Computing
- ★ Big Data



These departments provide technically sound environment for the students to hone their skills and knowledge in the field of Computer Science & Engineering . The courses offered are innovatively designed in accordance with the curriculum and syllabi. Constant up gradation and revisions are taken up to meet the growing demands of the industries. The department have eminent, qualified and well-trained faculty members recruited as per AICTE norms. The regular lectures are delivered by using state-of-the-art techniques like visual communication aids. The Department has excellent infrastructure to keep the students abreast with latest developments in the field. The Department of Computer Science & Engineering is offering both PG & UG courses.

CURRICULUM

The curriculum given by Anna University is followed.

INFRASTRUCTURE

This department has an excellent infrastructure equipped with the following labs:

- Internet Programming Lab
- Network Lab
- Java Lab
- Object Oriented Programming Lab
- Service Oriented Architecture Lab
- Open Source Lab
- Data Structures & Algorithms Lab
- Advanced Databases Lab
- Computer Graphics Lab

ELECTIVES

- C# & .NET FRAMEWORK
- Cryptography and Network Security
- Parallel Computing
- Software Quality Management
- Software Testing
- Data Warehousing and Data Mining
- Advanced Databases
- TCP/IP Design and Implementation
- Software Project Management
- Advanced Java Programming
- Nano Computing

Eight labs are provided with Pentium-IV machines working in both Windows and UNIX platform.

Master of Computer Applications



PROJECT AREAS

- ★ Network Security
- ★ Distributed DBMS
- ★ Mobile Communication
- ★ System Programming
- ★ Image Processing
- ★ E-Commerce
- ★ Web Development.

The Department of Computer Applications was established in the year 2002 with a vision to impart high quality technical education. Its mission is to craft the young graduates as energetic Software Engineers bestowed with programming skills so that they can boldly face the challenges of the technical world. The Department has well established laboratories equipped with the latest software and a Central Library with a separate section for MCA containing 5000 volumes of books which provide vital information to the students. The department is graced with qualified, interactive and dedicated faculties to develop the students as employable programmers. Mini projects in every semester helps to develop programming skills in various languages/Platforms.

ACHIEVEMENTS

Few pearls among our students have brought laurels to the department by achieving university ranks in the past years and we believe this will be a continuing attainment in the forth coming years too.

CURRICULUM

The curriculum given by Anna University is followed.

INFRASTRUCTURE

The MCA department has an excellent infrastructure equipped with the following labs:

- Programming & Data Structures Lab
- C++ & Java Lab
- Graphics & Multimedia Lab
- XML Lab
- Operating System Lab
- Software & Project Lab

ELECTIVES

- Software Testing
- Information Security
- Data Warehousing and Data Mining
- Advanced Databases
- Electronic Commerce
- Distributed Computing
- Web Graphics
- Human Resource Management

SERVER

- Windows 2003 server
- Novell Network server
- Linux Server
- IBM e-Server



CENTRAL FACILITIES

Library & Information Centre

The KCET Library is one of the premier academic libraries in Cuddalore district. This has the necessary infrastructure and aesthetic environment to draw the attention of the entire academic community. The majestic entrance, the spacious reading hall, the bright and airy reference hall, and the modernized attractions to the users in the library promote the reading. The library holds collections on Arts, Science, Humanities, and Engineering and Management.

The library has around 50,834 volumes of books. The reference collection in the library includes dictionaries, encyclopedias, periodical indexes and computerized data bases. The library subscribes to more than 50 international journals and 122 national journals and magazines in various disciplines, such as IEEE, CAN and more than 5000 volume of IEEE conference proceedings.

The library includes one of the important sections “Media Library” where the students can have access to information in the audio and video form. The collection of this section includes more than 2000 non materials like CDs, video and audio cassettes. The reprographic facility is also available in the library.

Network facilities and OPAC system services were implemented to modernize the library. Now the entire library collection of 60,000 of volume is available online, and the students are offered a wide array of services like On Line Access to Public Catalogue (OPAC) and On Line reservation of books. A Digital library with internet connectivity is available to upgrade the knowledge of the students and staff.

Sivaramakrishnan Auditorium

A centrally air conditioned Auditorium with a capacity to accommodate around 1000 persons fitted with the state-of-the-art audio visual equipments. The auditorium provides the venue for important functions like the Inauguration of the first year classes, English and vernacular language Societies, Graduation Ceremony, Job fair etc... in addition to the Inauguration of national level Technical symposia organized by various departments.

Browsing Centre

Internet facilities are available to Staff & Students. Campus is connected to the Internet through a BSNL Broadband having an Internet bandwidth of 2Mbps.

Power Backup

Un-interrupted supply of power is ensured with the help of two generators of capacity 320 KVA and 125 KVA.



SCHOLARSHIPS

Following scholarship schemes are available to the students of Krishnasamy College of Engineering and Technology.

- ★ Chief Ministers Farmers Study Scholarship
- ★ B.C. First graduate scholarship
- ★ B.C. Other than first graduate scholarship
- ★ MBC First graduate scholarship
- ★ MBC Other first graduate scholarship
- ★ SC/ST Scholarship





T & P Cell Hierarchy

Dr. T. ShanmugaVadivel, Principal

Dr. K. Raghu, Vice-Principal

Mr. G. Balakrishnan, T&P Officer

Mrs. J. Kalaivani, Member (MCA)

Mr. C. Suresh Kumar, Member (CIVIL)

Mr. N. Thanigaivel, Member (CSE)

Mrs. V. Sudha, Member (ECE)

Mr. J. Jayakumar, Member (EEE)

Mr. G. Senthivel, Member (MECH)

Mr. S. Samisrael, Member(S&H)



TRAINING & PLACEMENT CELL

Vision

- To enhance the employability of our students and impart the necessary skills to meet with the expectations of the Industry.

Mission

- To equip students with the skills necessary to face interviews confidently, by giving sufficient training in Aptitude and Reasoning, Communication, Group Discussions and Presentations, thereby bringing about an overall transformation.
- To organize recruitment drives for our students with renowned business organizations from all over the country, within and outside the campus.
- To enhance career guidance by promoting guest lectures by experienced personnel from the corporate sector and to arrange for industrial (in-plant) training, for the senior students.

CO-CURRICULAR ACTIVITIES

Our college activated an IEEE students' branch service its formative years. The branch was established in the year 2007. The exclusive feature of this academic activity is to provide nearly 100 top journals and magazines in the areas of Electrical, Electronics and Computer Science through the IEEE students' branch library.

The ISTE students' chapter was also established in the college in the year 2008. The students' branch arranges a number of expert lectures, workshops and symposia on the emerging areas of engineering.

EXTRA-CURRICULAR ACTIVITIES

National Sports Organization and Physical Fitness

The infrastructure of the institute provides a conducive atmosphere for the students to hone their skills in their favorite games. Our students also participate in the sports conducted at the regional level & national level and have won many prizes. The institute also has a well equipped gymnasium.

National Social Service

The National Social Service is active in the college conducting blood donation camps, campus cleaning programmes and other social service programmes thereby inculcating a spirit of service among the students.

Youth Red Cross

Students participate in various community development programmes by organizing blood donation camps, polio vaccination and Hepatitis B immunization.



**THIRUVAHINDHAPURAM
TEMPLE**



**PADALEESWARAR
TEMPLE**



**ST. DAVID FOR T
(SILVER BEACH)**

ABOUT CUDDALORE

CUDDALORE - THE PLACE OF TOLERANCE

THIRUVAHINDHAPURAM TEMPLE

“LORD DEVANATHA SWAMI” temple, which is nearly 6 kilometers from our College, is an ancient temple built before the period of Pandavas. This also comes under “NADUNAATTU THIRUPATHI”. This is not only the place of pilgrimage but also a place of interest. Opposite to this temple is the famous “HAYAGRIVA TEMPLE” known as the God of Education.

PADALEESWARAR TEMPLE

This is also one of the historical temples in Cuddalore which is 2 kilometers away from Cuddalore. The important feature of this temple is that it is situated within the city limit.

ST. DAVID CHURCH

This is also one of the Historical churches which are in Cuddalore Old Town. It was built in the year 1854.

ST. DAVID FORT

This is also one of the historical places situated in DEVANAMPATTINAM which is 6 kilometers from Cuddalore. And this was the Capital of the English possession on the Coromandal Coast from 1746 – 1752.

COLLECTOR’S BUNGALOW

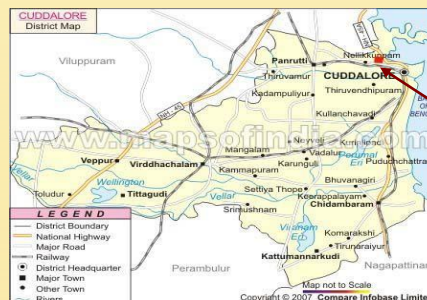
This is also one of the historical places in Cuddalore in which Mr. Robert Clive lived. At present is known to be a “COLLECTOR’S BUNGALOW”.

SILVER BEACH

It is the second largest beach in South India Known as “SILVER BEACH”.

TO REACH US

Cuddalore is a district headquarters located in Tamil Nadu and just 20 Kilometers away from PUDUCHERRY.



**Krishnasamy College of
Engineering & Technology**





PLAY FIELD



GYMNASIUM



BOYS HOSTEL



GIRLS HOSTEL



FLEET OF TRANSPORT



BROWSING CENTRE

All correspondence regarding placement may be addressed to:

Training and Placement officer

KRISHNASAMY COLLEGE OF ENGINEERING & TECHNOLOGY

Anand Nagar, Nellikuppam Main Road, S. Kumarapuram, Cuddalore - 607 109, Tamil Nadu.

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