PROUD TO BE AN ENGINEER
It begins with a dream.
A dream to chart your own course.
A dream to hold out on your own in this bright, big world.

Now, give wings to your dreams
and watch your future unfold.

Welcome to DCE, a place where career dreams are shaped into reality.
Vision of DCE

Dhanalakshmi College of Engineering is committed to provide highly disciplined, conscientious and enterprising professionals conforming to global standards through value-based quality education and training.

Mission of DCE

<table>
<thead>
<tr>
<th>To provide competent technical manpower capable of meeting the global requirements of the industry</th>
<th>To contribute to the promotion of Academic Excellence in pursuit of Technical Education at different levels</th>
</tr>
</thead>
</table>

To train the student: to sell his brawn and brain to the highest bidder but to never put a price tag on heart and soul
It is said that "Every one has a will to win but very few have the will to prepare to win". Dr. V. P. Ramamurthi, (fondly known as Dr. VPR) a former professor of Anna University, is one among those very few. Yes! He has realized the dream of serving the student community by establishing a "Temple of Learning" namely Dhanalakshmi College of Engineering. Dhanalakshmi College of Engineering, popularly known as DCE, is the brainchild of the card-carrying and committed academician Dr. VPR.

DCE, having various engineering branches like ECE, CSE, IT, EEE, Civil, Mechanical and PG courses M.E. (CSB), M.E. (Embedded System Technologies) and MBA, simply excels for the past 14 years. DCE, located near Tambaram, is emerging as one of the top 10 colleges, affiliated to Anna University. Being isolated from the frenzied activity associated with city life, the picturesque location provides an ideal ambience for wholesome development.

DCE positively explodes with energy and activity. The passion for excellence that drives it can be seen in every aspect of this vibrant, future-focused institution - from its stringent recruitment policies and academic performance to its outstanding infrastructure and placement initiatives.

The ISO 9001:2008 Certification and accreditation by NBA further substantiate the high standards of excellence that the institution has set for itself. Keeping pace with changing times and technologies evolving constantly, Dhanalakshmi College of Engineering has come a long way since its modest beginning in 2001. The 70-acre lush campus with an impressive built-up area of over 25 acres, welcomes about 1000 students every year, in as many as 6 traditional and emerging disciplines of Engineering. The students are well trained in their academic curriculum and also in skills that are required for Industry. They are trained in customized areas, both in communication and technology. Also they are currently doing their industry oriented projects in their pre-final semester which give them experience and exposure on Industry practices and challenges.

A unique feature of DCE is the BEC club. Considering the importance of communication skills for the career growth of students, the management of DCE has initiated Business English Certification (BEC) Course for students. So far nearly 700 students have undergone BEC (Preliminary) examination and have received BEC certification from Cambridge University. To sustain the urge and enthusiasm of students, BEC Club christened as "inspire" has just been started by the students.

Yet another exceptional facility at DCE is the online training centre for students. Students get trained for pre-placement process in this centre which enables them to be employable. DCE has established a CISCO Networking Academy. In addition, DCE has established Centre for Excellence by signing MoUs with Texas Instruments, Free Scale Semiconductors, etc...
"Every one has a will to win
but very few have the will to prepare to win"

A LANDMARK IN ENGINEERING EDUCATION
A MAN WITH A MISSION

Dr. V.P. Ramamurthi
Founder and Chairman
DCE is the brain child of the legendary academician Dr. V.P. Ramamurthi (Dr VPR). He graduated from Anna University (then, the College of Engineering, Guindy) in 1965, with Electrical and Electronics Engineering as his branch of specialization.

Dr VPR joined Anna University as a faculty. Later he obtained a Doctorate in Power Electronics from IIT-Madras.

Dr VPR is one of the few academicians to accomplish technology transfer from the academic arena to the industrial houses such as HTL and ELCOT Power Control.

After serving continuously for 28 years at Anna University, he took voluntary retirement in 1993. Then he started IPE, a training institute for entrance examinations for professional courses with 80 Business Associates and stood top in Tamil Nadu.

Dr VPR founded DCE in 2001 to create a higher educational institution of world standards and to provide quality education to aspiring students from all social and economic backgrounds.
UG PROGRAMMES

Civil Engineering

Mechanical Engineering

Computer Science and Engineering

Electrical and Electronics Engineering

Electronics and Communication Engineering
In today’s global marketplace, multi-national companies are looking at India for a veritable pool of talented professionals in all spheres. Indian engineers are making a mark in the global workplace, in a big way. Be it the software industry or mechanical or aeronautics, the engineers are expected to deliver from day one in today’s workplace.

At DCE, we provide 360° education in order to get our students future-ready. We couple theoretical insights with practical applications to provide our students with an enriching learning experience. This way, they are ready to take on the challenges and succeed in a highly competitive global arena.

DCE offers undergraduate and postgraduate programmes in engineering. DCE caters to the higher education needs of over 1600 students. Our 140 member staff team endeavours to bring in a whole new perspective to technical education, thereby enriching the minds of the engineers of tomorrow.

PG PROGRAMMES

M.E. (Embedded System Technologies)
M.E. (Computer Science and Engineering)
Department of
Civil Engineering

The undergraduate curriculum is broad based and is
designed to introduce the students to a wide range of
problems encountered by Civil Engineers in the field.

A number of elective subjects are offered to enable a
student to study the area of his special interest in depth.
Students are given practical problems from different
areas of Civil Engineering as their projects. Survey
 camps and practical training are part of the curriculum
aimed at familiarizing the students with real-time
problems. The students are exposed to the main areas of
Structural Engineering, Transportation Engineering,
Water Resources and Irrigation Engineering,
Environmental Engineering and Construction
Technology and Management.

Laboratory Facilities:
The department has excellent laboratory facilities for
experimental work. The major laboratories are in the
fields of Structural Engineering, Hydraulics, Concrete
Structural Models, Surveying, Soil Mechanics,
Environmental Engineering, Fluid Mechanics and
Materials Testing.

TOGETHER, LET US BUILD A STRONG FUTURE
Civil Engineering Laboratories
Department of Mechanical Engineering

The course aims at providing basic knowledge in Mechanical Engineering in areas like Mechanics, Strength of Materials, Dynamics of Machinery, and Thermodynamics. It also includes subjects in the areas of Design Engineering, Production Engineering, Techniques of Management, Computer Programming and Numerical Analysis and CAD/CAM.

The department has excellent facilities for practical and research work in the laboratories of Dynamics of Machines, Hydraulic Machines, Thermal Engineering, Heat Transfer, Refrigeration and Air Conditioning, Strength of Materials and CAD.
Laboratory Facilities:

- Manufacturing Technology
- CAD/CAM
- Dynamics of Machines
- Fluid Mechanics
- CNC
- Mechatronics
- Thermal Engineering
- Metrology and Measurements

Students of the department have fabricated a composite leaf spring which has won accolades from several organizations.
Department of Computer Science and Engineering

The curriculum covers the theoretical foundations and essential topics of computer science as core courses and also offers a wide range of advanced specialized courses in computer systems in the form of elective courses. The major subjects covered in this program include Introduction to Computing, Data Structures, Computer Architecture, Microprocessors, Database Management Systems, Computer Graphics, Computer Networks, Operating System, Software Engineering and Project Management, Artificial Expert System, Network Security and Cryptography, System Software, Theory of Computation, etc.

The competence of the department is reflected in the growing demand for its fresh graduates. The number of recruiting companies has multiplied many folds in the last few years. Many alumni of the department are offering their expertise in India and abroad with several MNCs like Cisco, IBM, Infosys, etc.

Master of Engineering
The programme exposes students to a wide range of courses combined with specialized projects which culminates in a thesis. The students get a combination of breadth and depth necessary for pursuing careers in academics as well as in industry.
e-XPERIENCE
THE FINAL FRONTIER IN LEARNING
To foster synergy from the industry and academia coming together and to bridge the gaps between graduating engineers and professional engineers as well as to promote research, the Department of CSE has multi-faceted relations and collaborations with Infosys, ICTACT, etc.

The students take up various projects on practical/industrial problems in areas related to robotics, web development and ERP software.
Laboratory Facilities:

All the laboratories in the Department are well equipped with state-of-the-art facilities ranging from basic equipment to advanced specialised equipment.

Following are some of the laboratories in the department:

- Computer Practices Laboratory
- Computer Networks Laboratory
- Mobile Application and Development Laboratory
- Operating System Laboratory
- Software Engineering and Programming Laboratory
- Compiler Laboratory
- Database Management System Laboratory
- Internet Programming Laboratory
- Object Oriented Programming Laboratory
- Visual Programming Laboratory
- Computer Graphics Laboratory
- Data Structures Laboratory
- Open Source Laboratory
- Grid and Cloud Computing Laboratory
- Security Laboratory
Department of Electrical and Electronics Engineering

The undergraduate programme has been developed to provide a sound foundation in Electrical Engineering. The main areas covered in the curriculum are Basics of Electrical Engineering, Electrical Circuits, Electrical Measurement, Programming Methodology using ‘C’, Electric Power Generation, Transmission and Distribution, Electrical Machines, Digital Electronic Circuits and Devices, Control Engineering, Digital Systems and Microprocessors, Electromagnetic Field Theory, Microprocessors and Interfacing, Power Electronics, Power System Analysis, Electrical Machine Design, Electric Drives, Analog and Digital Communications and High Voltage Engineering.

The students take up various projects on practical/industrial problems in areas related to Power Systems, Electrical Machines, Power Electronics and Electric Drives and Control Systems using hardware/software.
The department is proud to house LabVIEW Academy (Virtual Instrumentation Laboratory) which has a total of 31 workstations available to students. NI LabVIEW 6.5 software is installed on each workstation. Special training on LabVIEW is periodically given to students by experts.
Laboratory Facilities:

- Electrical Machines Laboratory
- Electric Circuits Laboratory
- Control Systems Laboratory
- Power Electronics Laboratory
- Measurements and Instrumentation Laboratory
- Power System Simulation Laboratory
- Linear and Digital Integrated Circuits Laboratory
- Electron Devices and Circuits Laboratory
Department of Electronics and Communication Engineering

The department offers a B.E. programme in Electronics and Communication Engineering. The subjects covered in the curriculum are Electronic Devices and Circuits, Microwave Engineering, Digital Design, Communication Engineering, Satellite Communication and Information Theory, VLSI, Microprocessor and Microcontrollers, Digital Signal Processing, Computer Architecture and Data Communication, etc.

Master of Engineering

The department offers M.E. programme in Embedded System Technologies.
GET CAREER POSITIVE ++++
Facilities and expertise exist in the areas of Telecommunications, Optical Communication, Microprocessor Applications, Microwave Communication and Networking.
Laboratory Facilities:
- Electronic Devices Laboratory
- Electronic Circuits and Simulation Laboratory
- Digital Electronics Laboratory
- Microprocessor and Microcontroller Laboratory
- Digital Signal Processing Laboratory
- Network Simulation Laboratory
- Communication Laboratory
- Linear Integrated Circuits Laboratory
- Electronic Systems Design Laboratory
- Microwave and Optical Laboratory
Department of Science and Humanities

The department offers core courses in Mathematics, Physics, Chemistry and English to all the undergraduate students. The students of undergraduate Engineering programme undergo training on communication skills offered by the English department. The department has a well-equipped English Communication laboratory which has more than 50 systems connected to a server. The server is loaded with Hi Class software. This software helps to control the students' systems. The systems are loaded with language learning software packages.

In addition, several courses in Mathematics e.g., Probability and Statistics, Numerical Methods and Discrete Mathematics are offered to select branches of undergraduate Engineering programmes according to the prescribed curriculum.
Laboratory Facilities

The department has well equipped laboratories to impart practical training to the students in the field of Physics, Chemistry and Engineering Practices. Nanoparticles are synthesized and the properties of these nanoparticles studied. The projects in this laboratory are being carried out by students.

The department provides research facilities in the fields of Theoretical Physics, Material Science, Semiconductor Physics and Nano Technology.
Research and Development Cell
Centre for Excellence

The centre plays a pivotal role in enhancing the employability skills of students and in strengthening the industry-institute bond and growth.

Laboratories:
The following laboratories have been set up under the centre for excellence:
CISCO Academy (Next Generation Network Laboratory)
We are now a CISCO Network Academy. We have acquired:
- 3 CISCO 1941 routers
- 3 CISCO 2960 L2 switches
- 3 CISCO Aironet Access Points
- OPNET Modeler Suite with 5 user licenses
Students are trained on CCNA and on network simulation using OPNET.

Freescale Laboratory (Internet of Things Laboratory)
This laboratory has procured microcontrollers, microprocessors, wireless networking, and digital signal processing-based boards. We have signed up with:
- Freescale Semiconductor, Texas, Austin, USA
- Texas Instruments, USA
- ARM USA

Advanced Computing Technologies Laboratory
The laboratory has 10 Xeon processor based blade servers for developing projects in the areas of Cloud Computing and Big Data. Furthermore, the laboratory houses 10 Xeon processor based desktop systems for developing mobile applications based on iOS platform. Additionally, 10 Xeon processor based desktop systems are available for developing Android-based mobile applications.
Training on developing Android applications is offered to students.

Industrial Automation Laboratory
The laboratory is proud to have acquired Yaskawa Motoman MH12 industrial robot (which can implement, for example, a pick and place application) and the MOTOSIM EG V4.01 simulation software. The laboratory also has PLCs from Siemens, ABB, and ABB. SCADA and HMI for industrial automation training is an integral part of this laboratory. Students have been trained using these PLCs, SCADA, and HMI.
Training and Placement Cell

The Training and Placement Cell is a vital organ of the institute. It acts as a link between industry and the students. The cell has the responsibility to invite the future employers of the students. The whole placement process is organized and executed by this cell. The campus interviews are held under the supervision and jurisdiction of this cell and the relevant feedback is obtained from the industry. The cell maintains a close liaison with many companies in the country.

The cell also arranges career talks for dissemination of knowledge regarding the employment opportunities in the industry related to the relevant fields and interests of the students. It keeps record of the students who undergo internships and the companies which come for recruitment.

The Training and Placement Cell firmly believes in 'Industry-Institute Interaction'. In order to accomplish the same, it organizes seminars and talks to provide a platform for the budding engineers to interact with professionals from various industries. It encourages visits to the industries by the students and arranges industrial problems to be worked out by students as a part of their projects. It also takes suggestions from members of the industry regarding designing/changing of curriculum. The institute has signed MoUs with many industrial organizations and industrial chambers. Technical paper presentation contests are held in collaboration with industries to discuss new developments and trends.
Our students have been placed in a number of leading industries like:

- TCS
- CTS
- Infosys
- IBM
- L&T Infotech
- Wipro Technologies
- HCL Technologies
- Virtusa, Vietcom
- Maveric Systems Ltd
- HCL comnet
- Tech Mahindra
- Alcatel development India Pvt Ltd
- Data Pattern
- BAE
- EDS
- Emphasis
- Ford
- i-Gate
- Polaris
- Slash Support
- Systech Solution
- Tata Elx
- US Technology
- Visual Business tools

Placement Training -- Highlights

- Infosys Campus Connect - Advanced Partner
- Business English Certification – Cambridge University
- Certification Training – CCNA, SCJP, .NET, ORACLE, OPNET
- E-Learning
- Scientific Assessment and Talent Benchmarking
- Group Discussions and Mock Interview
- Core Languages Training – C, C++, JAVA, PHP
- Communication and Aptitude skills
- Online tests embedded in the regular time table

START RIGHT
START, RIGHT HERE
A WORLD OF KNOWLEDGE
UNDER ONE ROOF
Library

The Central Library is housed in an area of about 1000 sq.m. and organized into various sections which are manned by professionally qualified staff.

With a collection of about 35000 volumes in science and technology, catering to the needs of about 2000 members (faculty, staff and students), imparting/pursuing studies in different branches of engineering, the library continuously acquires text and reference books. It has an impressive collection of printed resources including books, journals, dissertations, standards, conference proceedings, reports and other materials. The library provides access to journals in electronic form to keep its readers abreast with the latest developments in engineering and technology. All these resources are available through campus LAN.
The library functions from 0.30 a.m. to 6 p.m. with an open access system to maximize the use of library resources. It has a spacious 150-seater reading hall.

The Central Library also has Multimedia Section to make use of the most popular mode of education i.e. Electronic Media with the help of computers. CDs and DVDs on various disciplines of technology. Online network connection helps the users to access NPTEL courses.

The databases of Circulation Section, Reference Section and Theses Section have been prepared using Library Software. The issue/return of books is processed using barcode technology.
A healthy body always houses a healthy mind. At DGE, we realize that physical fitness is vital to tackle the challenges thrown up by engineering minds. We have complete in-house facilities for indoor and outdoor sporting activities. Our students are encouraged to take part in sports tournaments as they help imbibe a spirit of competition and camaraderie among youngsters. Our students have participated in several state-wise and district-wise events and won laurels.

FIT IN MIND
BRIGHT IN SPIRIT
Physical Education and Sports

HIGHLIGHTS

II place in Anna University: Zone-IV
Priority for admission under sports quota
Good facilities for games, both indoor and outdoor
Basketball Court, Volleyball Court, Tennis Court and Cricket ground
Annual host of DCE-103 Cricket Rolling Trophy
Annual host of DCE-108 Basketball Tournament
Annual host of Anna University Zonal Tournaments
Conduct of Yoga Sessions
HOME'S THE WORD!
Hostels

The college has separate hostel facilities for boys and girls. Each room has individual cots, cupboards, tables, chairs and coat stands for inmates. The inmates are also provided easy access to library and computer facilities during leisure hours.

A standby 62.5 kVA diesel generator ensures uninterrupted power supply for an uninterrupted learning and living experience.
Club Activities

The Robotics Club is active. It regularly arranges workshops on Robotics. These workshops aim at educating and inculcating interest about robotics in the minds of budding engineers, triggering them to do robotics-related projects. The students are encouraged to participate in various robotics competitions.

The team work of the faculty plays a key role in promoting the activities of the club.

The National Service Scheme (NSS) unit of Dhanalakshmi College of Engineering (DCE) is functioning with the objective of developing students’ personality through community service. Every year the NSS unit of DCE is conducting special camp programmes in the adopted village with the motto ‘Not Me But You’.

The Rotaract Club of DCE has successfully performed many activities like Thinkapt, Tree plantation, Teachers’ day celebration, Orphanage Visit, Road Safety Program, etc. It paves the platform for building inner personal skills, leadership skills, management skills and so on.
The Open House and Science Exhibition, a technical exhibition organized by Uthamalaikham College of Engineering, is an ode to the stupendous growth made by science and technology over the years.

DCE Open House and Science Exhibition is bound to quench the thirst for information in various fields. The best way to promote science and technology and to develop a scientific approach towards different theories is through science exhibitions.

The Open House and Science Exhibition is organized annually to promote a spirit of competition and creativity among the budding engineers.

In this exhibition, students from DCE provide a complete learning experience for school students. Students of DCE present their models/ projects, showcasing innovative ideas related to the fields of Robotics, Electronics & Communication, Electrical and Electronics, Telecommunication, Civil Engineering and Mechanical Engineering.

Open House and Science Exhibition

MOST INNOVATIVE DESIGN AWARD

won by
our students in
International Aerial Robotics
Competition held in
CHINA
For a plant to grow, it doesn’t just need water, it needs sunlight and manure, as well.

In the same way, for a student to become a well-rounded professional, only academic knowledge will never be enough.

Extra-curricular activities like dance, dramatics, social service and music are very essential.

Extra-Curricular Activities

That’s why, at DCE, we encourage our students to participate in various activities that explore their potential, boost their confidence and promote better physical health. Dance, dramatics, elocution and music promote artistic expression and provide the perfect forum for expressing emotions. At DCE, we think it is important to present students with an opportunity to explore their hidden talents in the fine arts. That’s why, we have built a fully-furnished auditorium with a seating capacity of 350 persons. The auditorium has a very powerful LCD projector.

Regular music, dance, drama, painting, oratorical competitions are conducted to unravel the talents of students. Students are also encouraged to participate in cultural events in other colleges.
HIGHLIGHTS

Founded and run by a Former Professor of Anna University

7th rank in Anna University examination results

8th rank in Infrastructure and facility in Tamilnadu

Departments headed by doctorates

Experienced, dedicated and dynamic faculty

Innovative teaching techniques

LCD Projectors fitted in classrooms

State-of-the-art laboratories

24 x 7, 36 Mbps internet facility

Each department has self contained block

All departments networked by optical fibre

Value-added software courses offered

Continuous, online assessment and feedback for 100% pass

Dynamic training and placement cell for 100% placement

Training throughout the year to improve communication and soft skills

Exclusive HR Cell for counselling and guidance

e-governance of the campus

Recording of attendance through biometrics

Access to students' performance through IVRS/Website

Separate and convenient hostels for boys and girls

Hygienic food and treated water for all

Yoga and meditation for body, mind and soul

Serene environment congenial for learning
**Bachelor Degree Programme**

**B.E. / B.Tech., (All disciplines)**

<table>
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<th>Duration</th>
<th>4 years</th>
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</thead>
<tbody>
<tr>
<td>Eligibility</td>
<td>HSC / any other equivalent</td>
</tr>
<tr>
<td>Subjects</td>
<td>Mathematics (M), Physics (P), Chemistry (C)</td>
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<tr>
<td>Percentage of marks</td>
<td>As per the rules of Government of Tamilnadu. Other state students are considered under OC category</td>
</tr>
</tbody>
</table>

**Lateral entry – B.E./B.Tech.**

Students of diploma stream and B.Sc. first class with mathematics are admitted at second year level of the four year bachelor degree programme.

**Master Degree Programme**

**M.E. (CSE, EST)**

<table>
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<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Eligibility</td>
<td>B.E./B.Tech.</td>
</tr>
<tr>
<td></td>
<td>As per the rules of Government of Tamilnadu</td>
</tr>
</tbody>
</table>
College:

DHANALAKSHMI COLLEGE OF ENGINEERING,
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Mob : 98410 55 959