

LIBRARY

The college has a well equipped library with about 49,000 books consisting of Reference books, text books section, Back volumes of journals. Popular magazines, Indian and Foreign journals. Educational video cassettes, Common Computer Center with Internet connectivity are available in reference wing. IEEE, Elsevier, Springer, ASME, DELNET PROQUEST E-Journals are available for reference. A separate library for M.B.A. & M.C.A. students is housed in a spacious hall in the Post Graduate block, and is provided with 17750 books. A separate Department Library is functioning for both PG as well as UG students with total number of volumes equal to 1800 books.

COMPUTER & INTERNET FACILITIES

The Institution has nearly 1565 Computer Systems available, for processing data of Students and Staff as well as for Laboratories / faculty rooms of all departments. Computer centers and project laboratories are functioning effectively to cater the need of students. A Microwave link, providing internet access at the speed of 30 Mbps is in use. All the departments are provided with internet access, through Optical Fiber cable networking. Wi-Fi enabled zones are available in Admin Block, PG Block, EEE/ECE Block & Men's Hostel Block.

DEPARTMENT OF PHYSICAL EDUCATION

Our college has an Indoor stadium of 1505 sq.m. area. The college has football field, cricket circle, ball badminton court and a volley ball court. A 400 mts. track, long jump pit and high jump pit are available. The college has a vast area of land for outdoor games. This department is also conducting scientific yoga and meditation classes to the interested students.

TRAINING AND PLACEMENT CELL

This department plays a vital role for the job placement services, inplant training of students and projects for all the M.E., M.B.A. and M.C.A. students under various Government organization and corporate bodies. Different corporate bodies have recruited our final year B.E, B.Tech, M.B.A. M.C.A. and M.E students. Personality development and Communication skill programmes are arranged for the benefit of students.

NSS

The National Service Scheme started functioning in the college from the academic year 1997- 98. Now it is functioning with three units. Activities like planting of hybrid trees, blood donation camp, general medical camp, a special 10 days youth awareness camp is conducted every year.

TRANSPORT

There are Forty one buses plying through different routes for the benefit of the students and staff.

DEPARTMENT ASSOCIATIONS

Different departments are having their own associations like MECHASO, ELITE, SPARKLES, ACE, KLNCESHA, etc. They are conducting Symposia, Seminars and Conferences at State and National levels regularly.

ISTE/ IEEE / IETE/ CSI/SAE (INDIA)/IE (INDIA)/ISOI/ ISHARE

College is having the above staff and student Chapters. We are regularly receiving journals and magazines from these Institutes. Seminar and Guest lectures are arranged under these chapters on regular basis. A Separate IEEE library is also functioning for the benefit of staff and students. Many of our staff are life members in professional society.



Quality Education
Successful Graduation



Potential Employability
Advanced R&D



K.L.N.COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai

Pottapalayam – 630612, (11 km. from MADURAI city), Tamil Nadu

Phone : 0452-6562171, 6562172, 2090971, 2090972

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E-mail : info@klnce.edu URL: www.klnce.edu

An ISO 9001:2008 Certified Institution

A Saurashtra Linguistic Minority Co-Educational Institution

Sponsored by

K.L.N. SOURASHTRA COLLEGE OF ENGINEERING COUNCIL

Regn. No: 221/92, Regd. Office: 69, South Veli Street, Madurai – 625 001.

Phone : 0452- 2338545, 2335062 Fax: 0452-2330220



PROSPECTUS

M.E. POWER SYSTEMS ENGINEERING

(Two Years Full Time Programme)

Permanent Affiliation with Anna University Chennai

THE COLLEGE

K.L.N. College of Engineering is the first self financing co-educational Engineering college in Sivagangai District (11 kms from Madurai) started in 1994 by philanthropist and well wishers in Sourashtra community which is a linguistic minority in Tamilnadu. Shri. K.L.N.KRISHNAN was the Founder-President. This college is approved by All India Council for Technical Education, New Delhi and is affiliated to Anna University, Chennai.

Executive Committee Members of K.L.N.Sourashtra College of Engineering Council

Er.K.N.K.KARTHIK B.E.,	President
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Dr.RAMILA SHIVNATH, M.B.B.S.,D.G.O., M.D	E.C.Member
Er. K.S.D.SIVA PRASAD, M.Tech	E.C.Member
Dr.A.V.RAM PRASAD M.E., Ph.D., Principal, KLNCE	Ex-officio Member



CAMPUS

This college is situated at 11kms from Madurai City on Madurai - Nedungulam road. It is built in an area of 53.8 acres. The campus has well provided class rooms, drawing halls, seminar halls, library, air-conditioned computer centres, Laboratories, Machine Shop, Staff rooms, Student rest rooms, Indoor Stadium, Generator rooms, Health Care Centre, Mineral Water Plant & Post office. The M.B.A. & M.C.A. departments are functioning in a separate, spacious, three storied Post Graduate block of 4,044 sq.m. Well furnished men's hostel, mess block, canteen block & Women's Hostel are also inside the campus. Sri Vidhya Vinayagar temple is on the eastern side of the administrative block. The infrastructure consists of Eighteen double storied buildings, Three single storied buildings and Six Lab/Machine shop buildings with total built up area 46,580 sq.m.

COURSES OFFERED

Four year B.E. Degree Courses

1. Mechanical Engineering
2. Electrical & Electronics Engineering
3. Electronics & Communication Engineering
4. Computer Science & Engineering
5. Automobile Engineering
6. Electronics & Instrumentation Engineering

Four year B.Tech. Degree Course

Information Technology

Post Graduate Degree Courses

1. Master of Business Administration (M.B.A.)
Four semesters
2. Master of Computer Applications (M.C.A.)
Six semesters
3. M.E.CAD/CAM
Four semesters (Full time)
4. M.E.Communication Systems
Four semesters (Full time)
5. M.E.Power Systems Engineering
Four semesters (Full time)
6. M.E.Computer Science and Engineering
Four Semesters (Full time)
7. M.E. Computer Science and Engineering
(with Specialization in Networks)
Four Semesters (Full time)

FACULTY

A dedicated team of about 31 faculty members in the EEE Department, having considerable academic, research, consultancy and industrial experience are striving their best, to provide high quality education. The faculty members are being constantly motivated to perform at their best level.

ELIGIBILITY FOR M.E. (Power Systems Engineering)

A pass in B.E. degree examination in Electrical & Electronics Engineering with at least 50% marks, Preference is given to GATE candidates. TNSF Consortium Entrance Test / TANCET Score is essential.

Department of Electrical & Electronics Engineering has seven different spacious laboratories, each provided with modern and sophisticated equipments and **IEEE library**. With these facilities, the students are imparted effective practical training both at UG, as well as PG level.

1. Electrical Machines Laboratory: The complete distribution panel and rectifier serve the needs of this lab. Students can perform various type of experiments on these machines and improve their caliber to the modern needs of a potential engineer.

2. Electric and Electronic Circuits Laboratory: The Electronics lab is concerned with basic knowledge and technology needed to understand and participate in the development and application of the rapidly changing electronics field. The various experiments done with DSO, Function Generator, Single Trace and Dual Trace CRO's designed to provide breath and depth of knowledge as the basis for quality education that helps each student to keep pace with the enormously changing professional and academic needs.

3. Power Electronics Laboratory has sophisticated electronic devices for modern applications. Equipments include CROs, Microprocessor & Microcontroller kits, Oscillators, Thyristor Trainer kits, Cycloconverters, IBM PIV system and Demo units. All these latest facilities provide a field for further research. (PSIM Software)

4. Control Systems Laboratory is very spacious and equipped with Power Quality Analyzer, programmable logic controller, 30 MHz CRO, Digital Storage Oscilloscope, Control System components modules, first and second order temperature controllers, transducer modules, lead lag compensators, Digital IC testers, Dual Tracking power supplies, LCR meters, IBM P IV system, AFOs, LVDT & function generators are provided for experimental study. The equipments in this control system lab enable the students to learn more on modern control technology.

5. Power System Simulation Laboratory – I, II & III is intended to impart training in computer applications for advanced machine design, control system and power system problems. Students are trained in these areas with the help of softwares like MATLAB, AU power lab module ETAP, PSCAD, Power World Simulator, Dig Silent.

6. Research and Development Laboratory – For the promotion of Research in the field of Power Systems Engineering, a well dedicated team is formed to study and design of Harmonic filters in the industries..

7. IEEE Library

One of the world's pioneer technical organization IEEE has many Electrical, Electronics and computer science pupil as its members. This has enabled the students to interact with the members of Technical Society all over the world. Membership of IEEE also provides an avenue for modern technical correspondence. IEEE Journals and magazines are readily available for reference.

