

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 132 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, in-plant 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 ELITE, SPARKLES, ACE, KLNCSHA, 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 staffs are life members in profession.



**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

Fax: 0452-2090070

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

**An ISO 9001:2008 Certified Institution
A Sourashtra 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. COMMUNICATION SYSTEMS
(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
Dr.K.N.K. GANESH B.E., Ph.D(Hons.),	Secretary
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Er. T.K. MOTHILAL B.Sc., B.E.	E.C.Member
Shri.S.K.JEGANNATHAN, B.A., B.L.,	E.C.Member
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 VidhyaVinayagar 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 30 Faculty members in the ECE department having considerable academic, research, consultancy and industrial experience are striving their best, to provide high education. The faculties are being constantly motivated to perform at their best level.

ELIGIBILITY FOR M.E, (COMMUNICATION SYSTEMS)

A pass in B.E, degree examination in Electronics and Communication Engineering / Electronics or equivalent, with at least 50% marks. Preference will be given to GATE candidates. TNSF Consortium Entrance Test / TANCET Score is essential.

DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

The department has seven, different spacious laboratories, each provided with more than adequate equipment. With these facilities, the students are imparted effective practical training, both at UG, as well as PG level. Anna University of Technology, Chennai has recognized the department as research center for pursuing Ph.D.,

Communication Laboratory is equipped with 500MHz Spectrum analyzer, 100MHz CRO & Digital storage oscilloscope etc., for analysis of communication signals. Antenna training system unit, RF source, Communication trainer kit (Analog & Digital) & AM & FM generator are provided for experimental study of performance.

Digital Signal Processing Laboratory is air conditioned & equipped with a separate LAN, exclusively for ECE department, comprising of 77 computer systems, Digital Signal Processor kits (TMS, ADSP), VLSI training kit are available. This laboratory has simulation software packages, such as MATLAB, PSPICE. This lab has been sanctioned an amount of Rs. 7,00,000/ by AICTE under MODROB scheme.

Microwave & Optical Communication Laboratory is air conditioned & equipped with X-band and J-band Microwave test benches, optical trainer unit, LASER trainer kit, power meters (Optical & Microwave), APD. AICTE, New Delhi has sanctioned fund under MODROB scheme to modernize the Microwave Lab

Microprocessor & Microcontroller Laboratory is equipped with 16 bit processor kits, 8 bit Microcontroller and a variety of control interfaces, which include PC based temperature control system, computer based data acquisition application trainer kit.

Electronics Laboratory is equipped with DSO Dual Trace CRO’s, Digital Multimeters, 3MHz pulse Generators, AF Oscillators, Regulated Power supplies, Linear IC Trainer kits, Digital Trainer Kits and IC Tester, 10 Nos of Computer systems.

Communication System Laboratory is air conditioned & equipped with 16 nodes, configuring Intel P4 @ 2.6GHz and one Server. Software packages available include ORCAD capture PSPICE A/D, Matlab 7.0 version. Equipment available include 1GHz Spectrum analyzer, 1GHz Signal source. TMS320C6713 processors are being used for UG & PG projects. IE3D and ANSYS antenna simulation software are also available for research purpose.

Network Cum VLSI Laboratory houses 70 numbers of P4 Systems, LAN Training, FPGA Kit & Xilinx project kit.

Centre for Excellence – Embedded Systems AnMOU has been signed with Enix Technologies – Bangalore to promote the research activities, UG/PG projects and consultancy works in the department

Project Lab is air conditioned & equipped with 19 nodes and one Server. Altera DE0 & DE2 Development Board with software are available.

