கே.எல்.என். பொறியியல் கல்லூரி
K.L.N. COLLEGE OF ENGINEERING

Pottapalayam - 630612. (11 Km from Madurai City), Sivagangai District, Tamilnadu, India.
(Sponsored by K.L.N. Sourashtra College of Engineering Council)
Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai.
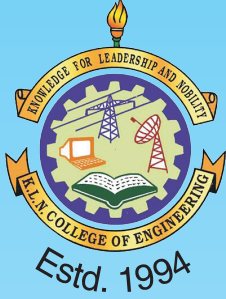**Approved Research Centres for MECH, EEE, ECE & CSE by Anna University**
Approved as Nodal Centre for Quality Improvement by Anna University
An ISO 9001 : 2015 Certified Institution. - A Sourashtra Linguistic Minority Institution
Ph : 0452 - 2090971 & 2, 6562172 Fax : 0452 - 2090070 Email : info@klnce.edu
Accredited by NBA, New Delhi for B.E. MECH, EEE, ECE, CSE & B.Tech.- IT for
3 Academic Years from 2016 - 2017 to 2018 - 2019 (i.e.,) upto 30.06.2019

Amarar.Shri. K.L.N.Krishnan
Founder President (1918 - 2001)

Estd. 1994

Sponsored by :

K.L.N. SOURASHTRA COLLEGE OF ENGINEERING COUNCIL
(Regn. No. 221/92), Regd. Office : 69, South Veli Street, Madurai - 625 001.
Ph : 0452-2338545, 2335062 Fax : 2330220 e-mail : cityoffice@klnce.edu

THE COLLEGE

K.L.N. College of Engineering is the first Self Financing Co-Education Engineering College in Madurai, Started in 1994 by munificence of 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 has the approval of All India Council for Technical Education, New Delhi and is Affiliated to Anna University, Chennai.

K.L.N. Sourashtra College of Engineering Council, Madurai. EXECUTIVE COMMITTEE MEMBERS (2017-2020)

Er. **K.N.K. Karthik** B.E.,	President
Dr. **K.N.K. Ganesh** B.E., Ph.D.(Hon).,	Secretary & Correspondent
Shri. **P.K. Mothilal** B.Sc.,	Treasurer
Shri. **K.B. Radhakrishnan**	Vice President
Shri **K.S. Babjee Gopinath**	Joint Secretary
Shri. **M.S. Vijay Ganesh** B.Com.,	EC Member
Smt. **S.P. Geetha Bharathi** M.A.,	EC Member
Smt. **Vahini Karthik** B.Sc.,	EC Member
Smt. **Amutha Ganesh**	EC Member
Shri. **K.M. Raghunath**	EC Member
Shri. **K.R.S. Manechshaw Babu** B.Com.,	EC Member
Shri. **G.R. Radhakrishnan**	EC Member
Shri. **S.K. Jegannathan** B.A.,B.L.,	EC Member
Er. **T.K. Mothilal** B.Sc., B.E.,	EC Member
Dr. **A.V. Ram Prasad** M.E., Ph.D.,	Principal & Ex.Officio Member

COURSES OFFERED

Four year B.E. Degree Courses

	Intake
1. Mechanical Engineering	120
2. Electrical & Electronics Engineering	120
3. Electronics & Communication Engineering	120
4. Computer Science & Engineering	120
5. Automobile Engineering	60
6. Electronics & Instrumentation Engineering	60

Four Year B.Tech Degree Course

	Intake
7. Information Technology	90

Post Graduate Degree Courses

	Intake
1. Master of Business Administration (M.B.A.) Two Years course	60
2. Master of Computer Applications (M.C.A.) Three Years Course	60

Post Graduate Engineering Degree Courses

(Four Semesters)

	Intake
1. M.E. CAD /CAM	18
2. M.E. Communication Systems	18
3. M.E. Power Systems Engineering	24
4. M.E. Computer Science and Engg.	24
5. M.E. Computer Science & Engg. (with specialistation in Networks)	18

ELIGIBILITY FOR 1st YEAR B.E / B.Tech. ADMISSION (As per Norms of Govt. of Tamilnadu)

A pass in XII Std. of Tamilnadu HSC (Academic) with Maths, Physics and Chemistry (or)
A pass in XII Std. of Tamilnadu HSC (Vocational Stream) with Engineering / Technology. Vocational Subjects and any one or two of the related subjects like Maths, Physics or Chemistry (or)
A pass in equivalent examination accepted by Universities in Tamilnadu for admission to B.E / B.Tech. degree course.

Eligibility for 2nd Year (Lateral Entry) B.E. / B.Tech. Admission (As per Norms of Govt. of Tamilnadu)

A Pass in Diploma examination in one of the courses like Mechanical, Electrical, Electronics, Computer Science, Information Technology, Automobile Engg. & Electronics & Instrumentation Engg. (For Lateral Entry Students only)

(or)

A pass in B.Sc. of minimum 3 years duration with 10+2+3 pattern of study with Mathematics as one of the subjects at the Degree level.

FOR 1st YEAR B.E. / B.TECH ADMISSION ELIGIBILITY / 2nd YEAR B.E. / B.TECH ADMISSION ELIGIBILITY

Community	HSC (Academic) or equivalent	HSC Vocational	Diploma
SC / ST	1. Mathematics 2. Physics & Chemistry Average - 40 %	1. Related Subjects 2. Vocational Subjects Average - 40 %	Marks in all Semesters in the Qualifying Exams Average - 40 %
MBC	1. Mathematics 2. Physics & Chemistry Average - 40%	1. Related Subjects 2. Vocational Subjects Average - 40 %	Marks in all Semesters in the Qualifying Exams Average - 45 %
BC	1. Mathematics 2. Physics & Chemistry Average - 45%	1. Related Subjects 2. Vocational Subjects Average - 45 %	Marks in all Semesters in the Qualifying Exams Average - 50 %
Others	1. Mathematics 2. Physics & Chemistry Average - 50%	1. Related Subjects 2. Vocational Subjects Average - 50 %	Marks in all Semesters in the Qualifying Exams Average - 55 %

FACULTY About 247 members of dedicated team of faculty having vast academic, research, consultancy and industrial experience are the backbone of this institution. The faculties are rewarded adequately for their best performance.

Vision : To become a Premier Institute of National Repute by Providing Quality Education, Successful Graduation, Potential Employability and Advanced Research & Development through Academic Excellence.

Mission : To Develop and Make Students Competent Professional in the Dynamic Environment in the field of Engineering, Technology and Management by emphasizing Research, Social Concern and Ethical Values through Quality Education System.

CAMPUS

This college is situated on the outskirts of Madurai, 11th km. on Madurai - Nedungulam road. The Campus has total built-up area of 49,270 sq.m. (5,30,145 sq.ft.) at permanent land of 53.8 acres. The Campus has multistoreyed Buildings consisting of well provided Class Rooms, Drawing Halls, Seminar Halls, Staff Rooms, Library, Common Computer Centre, Air-Conditioned Computer Centres, Indoor Stadium with Multi-Gym, Mineral Water Plant, Post Office, Health care Centre, SBI ATM Centre and Student Rest Rooms. The Infrastructure consists of six Double storeyed Laboratory Buildings and four single storeyed Buildings, Laboratories and Machine Shop. The M.B.A & M.C.A Departments are functioning in a separate spacious three storeyed Post Graduate Block of 4044 sq.m. (43,510 sq.ft) Well furnished Men's Hostel, Mess Block, Canteen Block are inside the Campus. Separate Ladies Hostel Block of 4709 sq.m Area is also inside the College campus. Sri Vidhya Vinayagar Temple is on the eastern side of the College Campus.

All Departments are having well established laboratory facilities to impart practical experience to students. Details of major equipment facilities are mentioned below (Department wise)

Department of Mechanical Engineering

The Department of Mechanical Engineering was started in the year 1994. The Department is offering Master's Program in CAD / CAM since 2007. This Department is recognized as the "RESEARCH CENTRE" by Anna University for offering Doctoral Degree Programs. The Department is Accredited by NBA, New Delhi upto 30.06.2019.

Facilities

CAD Lab
CAM Lab
Machine Shop
Engineering Practices Lab
Fluid Mechanics and Machinery Lab
Strength of Material Laboratory
Dynamic Lab
Metrology Lab
Mechatronics Lab
Heat and Mass Transfer Lab
Internal Combustion Engines Lab
Steam Lab
Research & Development Lab

K.L.N. COLLEGE OF ENGINEERING

Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering was started in the year 1994. Master of Engineering in Power System Engineering was started in 2004. The Research and Development section is doing research on Industrial Power Harmonics and mitigation and interact with industries in measuring, recording, analyzing and designing of filters for reducing harmonics with the help of Power Quality Analyzer, as per IEEE standard. It is recognized as the "RESEARCH CENTRE" by Anna University for offering Doctoral Degree Programs. The Department is Accredited by NBA, New Delhi upto 30.06.2019.

Facilities

Electrical Machines Laboratory
Control System Measurement Instrumentation Laboratory
Power Electronics Laboratory
Electrical & Electronic Circuits Laboratory

Power Systems Simulation Laboratory
Research & Development Laboratory
IEEE Library

Department of Electronics and Communication Engineering

The Department of B.E. Electronics and Communication Engineering was started in the year 1994. The Department is also offering M.E. Communication Systems since 2004. The Department organizers value added courses in the field of VLSI, NS2, MATLAB. It is recognized as the "RESEARCH CENTRE" by Anna University for offering Doctoral Degree Programs. The Department is Accredited by NBA, New Delhi upto 30.06.2019.

Facilities

Electronics & Simulation Lab
Communication System Lab
Microprocessor Lab

Micro Wave Lab
Project Lab
VLSI Lab

Embedded System Lab
Communication Lab
Digital Signal Processing Lab

K.L.N. COLLEGE OF ENGINEERING

Department of Computer Science and Engineering

This Department was started in the year 1997. M.E. Computer Science and Engineering was started in the year 2011. IBM Center of Excellence is Established for the benefit of Research and Development activities in this field. It is recognized as the "RESEARCH CENTRE" by Anna University for offering Doctoral Degree Programs. The Department is Accredited by NBA, New Delhi upto 30.06.2019.

Facilities

PDS Laboratory

CSE Laboratory

Project Laboratory

SDS Laboratory

R&D Laboratory

Department of Information Technology

This Department was started in the year 1999. M.E. Computer Science and Engineering (With Specialization Networks) was started in the year 2013. This Department Laboratories are dominated by open source operating system (Ubuntu) and Open Source Softwares. We provide training on latest technologies to meet the industrial requirements. We have various special interest groups to impart domain specific knowledge to students consistently. Cloud Computing & Internet of things (IoT). It is recognized as the "RESEARCH CENTRE" by Anna University for offering Doctoral Degree Programs. The Department is Accredited by NBA, New Delhi upto 30.06.2019.
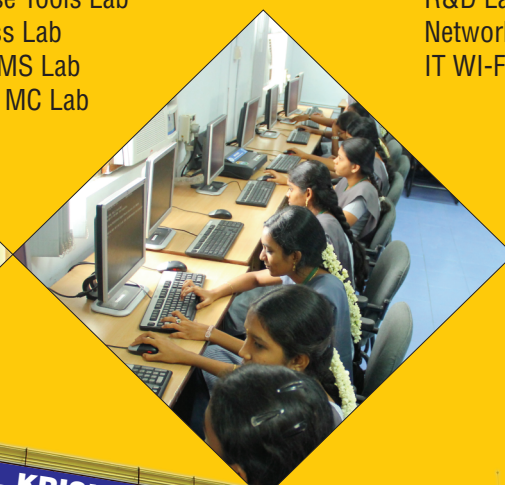
Established Honeywell Sentience Lab in the Department Signed MoU with Honeywell Technology Solutions, TVS Sundaram Medical Devices and TVS Sundaram Brake linings to undertake real time projects. Industrial Consultancy extended to both india and abroad (CHINA). Holds Three International Patents.

Facilities

IT Case Tools Lab   R&D Lab

IT Foss Lab   Network Lab

IT DBMS Lab   IT WI-Fi Lab

MP & MC Lab

K.L.N. COLLEGE OF ENGINEERING

❖ **Quality Education** ❖ **Potential Employability**
❖ **Successful Graduation** ❖ **Advanced R& D**

Department of Automobile Engineering

The Automobile Engineering Department was started in the year 1999. The department is well equipped with qualified and experienced faculty members with research background. The department contains well established Laboratories to impart good practical training to the students. The department is also running SAEINDIA collegiate club through which various events are organized for SAE student members.

Facilities

Automotive Components Lab
Automotive Electrical and Electronics Lab
Vehicle Maintenance Lab
Fuels and Lubricants Lab
Computer Aided Automotive Design and Drafting Lab
Two and Three Wheeler Lab

Department of Electronics & Instrumentation Engineering

This Department was started in the year 2001-2002 and got into a state of solid consolidation, in the years that followed, with the innovation of technology brilliant and highly sophisticated laboratories.

Facilities

Process Control Lab - I
Industrial Instrumentation Lab
Transducer Lab
System Design Lab
Process Control Lab - II

Department of Master of Computer Applications

This Department has been started in the year 1997.

Facilities
MCA Lab - I
MCA Lab - II, R & D Lab

Department of Master of Business Administration

This Department was started in the year 1997.

Facilities
MBA Lab with Research tools & Softwares
Internship & Placements & MNCs
Smart Class Rooms with Wifi

Department of Science & Humanities

Physics Laboratory - Optical fibre Kit - Ultrasonic interferometer, Forbidden Energy Gap Kit, Hot air Oven, Laser Setup, Spectrometer , Magnetic Stirrer, Digital balance, Lee's Disc Apparatus.

Chemistry Laboratory - Potentiometer - Spectrophotometer - Flame Photometer, Conductivity Meter, Electrochemical Measuring Unit, Magnetic Stirrer, Thermostat, Ultra Sonicator & BOD Incubator.

Technology Business Incubation

Innovation promotion cell and IIPC of KLNCE jointly took efforts to send proposals to establish MSME sponsored business incubation at KLNCE in he areas of Agriculture Engineering, information Technology, power quality, Industrial automation and Biomedical Engineering, The government has approved our proposals and request to send innovative ideas in the above mentioned areas for GOI financial assistance through MSME incubation scheme.

Hostel Details :

Well furnished Separate Hostels for Boys and Girls inside College Campus with separate Mess facilities (Both Veg. and Non-Veg. Items). The Boys Hostel inside campus consists of Three Separate Blocks. The Accommodation facility available for Boys is about 550. The Girls Hostel Block inside campus consists of three floors. The Accommodation facility available for Girls is about 350.

K.L.N. COLLEGE OF ENGINEERING

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Central Library & Facilities

The College has a well equipped stack of books with Barcoding RFID Library based system with about 50846 books consisting of Text books, Reference books, Handbooks, Popular Journals / Magazines, e-Journals. NPTEL facility, DELNET, Back volumes of Journals. Educational CDs. A separate Library with Barcoding for MBA & MCA Students is housed in a spacious hall in the Post Graduate Block and is provided with 18304 books. CDs/DVDs : Books and Periodicals - 1593 for Books, 551 for Periodicals. 8 Computers for Library networking with Multimedia facility. 2 Separate Systems for Library Automation.

List of International e-Journals Subscribed :

IEEE (ASPP), ASME, J-gate (Management Sc.,)

Department of Physical Education Achievement - 2013-14

Boxing - Anna University Chennai INTER - Zonal Boxing Gold Medal and he also All India Represented.
Athletic - Anna University Chennai Zonal Athletic Gold Medalist 1st for All events.

AUSB Zone -16. Table Tennis - women Winners   AUSB Zone -16. Table Tennis - Men Rnners
KLN Krishnan Memorial Cricket Tournament Runner   AUSB Zone -16. Badminton - Men Winners

Information System Support Group (ISSG)
(Office Automation, Web Services, SMS Services, Wi-fi Service, Hardware & Networking Services)

Tthis Department is formed to procure, install hardware, network related equipments, procure software, develop software for the college administration, implement and Maintain Wireless Campus (Wi-fi) development, CCTV Cameras to Whole campus, Internet Connectivity (132Mbps) and Develop the web applications. (Students and Parents to view the Students Marks, Attendance, etc., anywhere anytime through our college website). We maintain the own webserver (24x7) in our campus. We provide SMS Services for Students and Parents (Absent Intimation to Parents, Attendance, Marks, etc.,) This department is maintaining College Automation, ERP package Fusion Education, with five higher end servers (Blade Servers and Rack servers for Office Automation, Database, Web and Proxy) and 30 Nodes of latest configuration under LAN. The Fusion Education, Package has separate but integrated modules for Staff, Students, Training and Placement, Accounts, Purchase, Despatch,Library with RFid, Transport, Maintenance and Hostel. The Staff,Students & Library packages are web enabled. The other Responsibilities of the group include training of students, staff, social groups and industry personnel in computer hardware, software, networking and popular applications.

Industry Institute Partnership Cell (IIPC)

All India Council for Technical Education (AICTE) New Delhi gave the permission and financial assistance of Rs. 14.50 Lakhs to the formation Industry Institute Partnership Cell (IIP Cell). The objective of the IIP Cell is to reduce the gap between Industry expectations (practice) and academic offerings (Theory) by direct involvement of industry to attain a symbiosis. this cell will arrange industrial training / placement, interact with R&D organizations for conducting joint research works, arrange industrial visit / short-term and personality development workshops / guest lecturers/HR meet/ technical festivals. Based on the performance and collaborated activities in association with the various industries of this IIP Cell received an "Sustainable Industry Institute Partnership - SIIP award for the year 2015 from SEEDS Chennai at IIT Madras

IBM Rational Center of Excellence

The College has established an "IBM Rational Center of Excellence", the first of its kind in Tamilnadu, an exclusive center for testing software, research, development and student project activities. This center is equipped with a high end server and 30 intel workstations and well equipped seminar hall. IBM has donated software worth of Rs. One Crore.

Internet Facilities

132Mbps direct internet optical fibre connectivity from BSNL &AIRCEL (24 Hours x 7 days a week 1:1) Wi –fi enabled in Admin Block(CSE/IT/EIE), EEE/ECE Block, Mech Block, Auto Block and PG Block & Men's and Women's Hostel Blocks with Cyberoam Firewall Security System (complete monitoring and control over Individual user activity during internet browsing)

ISTE / IEEE / IETE / CSI CHAPTERS / IE (INDIA) / SAE (INDIA) COLLEGIATE CLUB / ISHARE / Non - Conventional Renewable Energy Club / Madurai Management Assn.

College is having Staff / Students Chapters of ISTE, IEEE and CSI, SAE Club. We are regularly receiving journals and magazines from these Institutes. Faculty Development Programs, Seminars and Guest lectures are arranged under this chapter on regular basis. A separate IEEE library is also functioning for the benefit of staff and students. Many of our staff and students are members of these institutions. Our college is a member in MADITSSIA ,CII and ICT Academy.

TRAINING AND PLACEMENT CELL

A TPO in professor cadre has been assigned dedicatedly to look after Training and Placement activities of all B.E./B.Tech./M.E./MBA/MCA students of this College. This department plays a vital role for the job placement services, internship, inplant training of students and project for B.E. / B.Tech., M.B.A. and M.C.A. students under various Government Organizations and Corporate Bodies. Different Corporate Bodies have recruited our final year B.E.,B.Tech., M.B.A & M.C.A., students during this academic year. Personality Development Programmes and Communication Skill Programmes are arranged for the benefit of the students of all years.

TRANSPORT

There are Thirty Seven (37) buses plying over through different routes for the benefit of the students and staff.

ROTRACT CLUB

This club aims at the self development of students through educational seminars, quiz programs and constructive activities for the benefit of the society.

Common Computer Centre Laboratory

The Smt.K.N.K. INTHERA COMMON COMPUTER CENTER LAB which has one higher end server, 180 nos higher end desktops,LCD Projector and Laster Printers with back up of 40 KVA UPS is located in TPO BLOCK FIRST FLOOR with access time between 8:30 AM - 6:30 PM. This laboratory is primarily focused on First year students, and caters for the growing requirements of the First year students of the college. It is connected with the College LAN and is used for a wide variety of applications with Access to both offline and online Internet Services are available. It provides modern computational and research facilities to First year students. The aim of this laboratory is to provide required computing and simulations facilities to the First year students in order to meet their requirements of engineering profession. The main emphasis is to do the Programming in C,C++, UNIX, AUTO CAD and other engineering package which are heavily used by the First year students.

National Service Scheme (NSS)

2 Units with 100 Student Members each - Activities like personality development programe, career guidance Programme, Medical Checkup & Blood Donation Camp, Village Camp for the benefit of People, Cleaning educational Institution and Temple etc.

Cultural and Literary Association

This association encourages the students to improve communication skills and their participation in cultural activities.

Department Associations

Different departments are having their own associations like MECHASO, ELITE, SPARKLES, ACE, EAGLE IT, PROPLEZ, EINSTEA, GEMS, EITA, KLNCESHA, etc. They are conducting symposia. Seminars at State / National level / National Conference / Guest Lectures are arranged by the Department Associations.

Quality Circle - Advanced Research and Development (QC-ARD)

The QC-ARD of K.L.N. College of Engineering was established during 2013 to cater to the research needs of our institution. The main focus of QC-ARD is to provide financial, technical and administrative support for the research activities of faculty members. Through QC-ARD, the management provides financial support in the form of venture capital to the faculty members to expose their innovations in the form of research projects. This scheme further motivates the researchers to forge their research into research proposals to external funding agencies. Innovative, multi-disciplinary and socio-economic research projects are encouraged through this scheme. The main focus of the Quality Circle is to motivate research projects, journal publications and sponsored research.

Red Ribbon Club (RRC)

This Club aims to train, educate and encourage students on safety, Primary Health Care, awareness of HIV/AIDS and promote healthy living. It encourage and motivate community service among students. It promotes international friendship with activities that cultivate a humanitarian spirit. It provides Technical Support in the development of youth programmes, fund raising identification of material and human resources.

Youth Red Cross (YRC)

This Club aims to train and develop our students relating to life skills, nutrition, mental health and reproductive health which leads them to adopt healthy life styles and behavior change. It organize and promote Blood Donation Camp, Seminar, Competition, Rally, Orientation programmes and instill negotiation skills among the youth.

Maths Club - ODYSSEY

ODYSSEY was inaugurated on 05.03.2013. The main objective of the club is to remove fear from the minds of budding Engineers and to create interest in Mathematics. Literally ODYSSEY means " a long exiting journey". The activities of the club are sculptured in such a way that the members will have an exciting journey for the four years of their Engineering course with Mathematics as the carrying craft.

Students Care Centre to Counsel for Students welfare.

K.L.N. Health Care Centre

ATM

Post Office

Sri Vidhya Vinayagar Temple

Multi - Gym