PROSPECTUS

M.E. CAD/CAM

(TWO YEARS FULL TIME PROGRAMME)

OUR COLLEGE MOTTO

Quality Education                              Potential Employability
Successful Graduation                                  Advanced    R&D
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.,
Dr. K.N.K.Ganesh B.E., Ph.D.(Hons.),
Shri. S.R.Premkumar B.E.,(Hons.),
Shri. K.B.Radhakrishnan
Shri. G.R.Radhakrishnan
Shri. K.M. Raghunath
Smt. Amutha Ganesh
Shri. K.B.Mohan L.C.E.,
Smt. S.P.Geetha Bharathi M.A.,
Shri. T.K. Mothilal B.Sc., B.E.,
Shri.S.K.Jegannathan B.A., B.L.,
Dr. Ramilla Sivanat M.B.B.S.,D.G.O., M.D.,
Shri. K.S.D.Siva Prasad M.Tech.,
Dr. A.V. Ram Prasad M.E., Ph.D., Principal, KLNCE

President
Secretary
Treasurer
Vice President
Joint Secretary
E.C. Member
E.C. Member
E.C. Member
E.C. Member
E.C. Member
E.C. Member
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
1. Information Technology#

#- Accredited by NBA, New Delhi

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 φ
   Four semesters (Full time)
4. M.E.Communication Systems φ
   Four semesters (Full time)
5. M.E.Power Systems Engineering φ
   Four semesters (Full time)
6. M.E.Computer Science and Engineering φ
   Four Semesters (Full time)
7. M.E.Computer Science and Engineering (with Specialisation in Networks) φ
   Four Semesters (Full time)

φ Six semesters duration for Teaching candidates under part time mode.
FACULTY
A dedicated team of about 28 Faculty members in the Mechanical Engineering 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 peak level.

ELIGIBILITY FOR M.E. (CAD/CAM) ADMISSION
A pass in B.E./B.Tech Degree examination in Mechanical Engineering / Automobile Engineering / Manufacturing Engineering / Production Engineering / Aerospace Engineering / Aeronautical Engineering / Industrial Engineering / Mechatronics Engineering / Marine Engineering / or equivalent with at least 50% marks. Preference will be given to GATE candidates. TNSF Consortium Entrance Test / TANCET Score is essential.

DEPARTMENT OF MECHANICAL ENGINEERING
The Department of Mechanical Engineering is accredited by National Board of Accreditation (NBA) since 2004. The Department of Mechanical Engineering is recognized as the "RESEARCH CENTER" by Anna University for offering Doctoral Degree programs. Three Ph.D. Supervisors, recognized by Anna University, are available in the department, under whom fifteen Ph.D. scholars are currently pursuing Ph.D. This department is having well established facilities to impart good practical experience to the students of both UG and PG courses.

CAD Lab is equipped with separate Local Area network exclusively comprising of 75 Computer systems with 23 KVA UPS backup. 10MBPS Direct Microwave Link internet facility is available in all the labs.

CAM Lab is equipped with Star Turn CNC Turning Centre, Flexible Manufacturing Cell with Aristo VA6E Robot, Vertical Milling Machine, CNC Production Lathe and Wire-cut EDM.

R&D lab is equipped with 14 numbers of core i-3 computer systems with 6 KVA UPS and Latest software’s.

Metrology Lab is equipped with Surface Roughness Tester, Autocollimator, Floating Carriage Micrometer, Mechanical/Electrical/Pneumatic Comparator, Tool Makers Microscope, Profile Projector, Temperature Measurement using thermocouple and number of other small Linear and Angular measuring instruments.


Latest software’s like ProE, ANSYS, Edge CAM, Solid Edge, Witness, Fluid Sim, Lab View, Timer Pro, iGrafx are presently available in CAD/CAM, Mechatronics and R & D laboratories.
LIBRARY
The college has a well equipped library with about 47,350 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, ASME, McGraw-Hill, Elsevier, ASTM Digital Library & EBSCO (Business Source Elite) 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 17,050 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 thirty Seven 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
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 profession.

Students Care Centre to Council for Students welfare.