

## K.L. NAGASWAMY MEMORIAL POLYTECHNIC COLLEGE,

Kozhivedu, Viraganoor P.O., Madurai 625 009, Tamil Nadu, India

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### அமைவிடம்

மதுரை மாநகருக்கு மிக அருகில் மாரியம்மன் தெப்பக்குளத்திலிருந்து 3வது கிலோ மீட்டரிலும், விரகனூர் சுற்றுச்சாலை சந்திப்பிலிருந்து அரை கிலோ மீட்டர் தூரத்திலும் அமைந்துள்ளது.

### City Office

69, South Veli Street, Madurai - 625 001.

Ph: 0452-2338545, 2335062 Fax : 2330220

### THE COLLEGE

In 1983, the Tamil Nadu Government declared starting of self financing Polytechnics and Engineering colleges by registered societies to create job opportunities amongst educated youths. Taking this opportunity, the Elite of Sourashtra community promoted Sourashtra Polytechnic in Madurai with Shri K.L.N. Krishnan, as Founder President. Sourashtra Polytechnic was later named as K.L.Nagaswamy Memorial Polytechnic College.

### EXECUTIVE COMMITTEE MEMBERS

Dr. K.N.K. Ganesh B.E., Ph.D., (Hons.)

Dr. K.B. Radhakrishnan, D.Litt., USA

Shri. P.K. Mothilal B.Sc.,

Shri. K.B. Mohan L.C.E.,

Dr. K.N.K. Karthik B.E., D.Litt., USA

Shri. M.V. Sathyamoorthy L.T.M.

Shri. K.L.N.M. Rangunath

Shri. P.J. Bansidhar D.C.E.,

Shri. K.S. Kumaresh B.A.,

Shri. G.R. Radhakrishnan

Shri. K.R.S. Maneckshaw Babu B.Com.,

Smt. P.K.M. Anuradha

Shri. P.V.N.Anandan B.Tech., M.Tech., Principal

President

Secretary

Treasurer

Vice President

Joint Secretary

EC Member

EC Member

EC Member

EC Member

EC Member

EC Member

EC Member

Ex-Officio Member





## ABOUT US

Ours is an ISO 9001-2008 Certified Polytechnic College. All courses offered by our Polytechnic are approved by All India Council for Technical Education (AICTE), New Delhi. Our College has Collaboration with most of the Engineering Industries and other Industries around Madurai. All Five Departments are headed by eminent, dedicated and sincere Professors with qualification in their appropriate branch of engineering and technology. Each branch has student faculty ratio according to AICTE norms. The Polytechnic has a team of 105 well-qualified and experienced staff with Degree in Engineering. The staff are well groomed with up-to-date Technology in Technical Teaching to motivate the students to learn the modern trend in Engineering and Technology Since 1983, our Polytechnic College is graduating 720 Diploma Engineers annually. Our students have proven themselves to be versatile and adaptable in both their employment careers as well as furthering their studies in Engineering colleges in the merit quota of Anna University Single window system to get seats in direct second year. Our polytechnic has the highest intake of 600 students in first year in and around Madurai.

## CAMPUS

Our Polytechnic is functioning in a well laid out campus with shady trees in fifteen acres of fertile land on the bank of River Vaigai. The classrooms, Laboratories and all student amenities are housed in a 1,50,000 square feet of R.C.C Buildings. A well-planned layout of playground supplements the extra-curricular activities of the students.

### COURSES OFFERED

#### Three Years Diploma Courses

- 1 Civil Engineering
- 2 Mechanical Engineering
- 3 Electrical and Electronics Engineering
- 4 Electronics and Communication Engineering
- 5 Computer Engineering



## ELIGIBILITY

- A Pass in SSLC is eligible for the Admission in the I Year Diploma Course.
- A Pass in HSC (Academic / Pure Science / Vocational Engineering / 10th Pass with 2 Years ITI) are eligible for the admission in the Direct II Year Diploma Course.

## ACHIEVEMENTS

Our K.L.N. Polytechnic College is the first accredited polytechnic college in India in 2001. We are consistently producing good results (95% to 100%) in all subjects. Our polytechnic is awarded as "Best Education Polytechnic of the year 2019" at 11<sup>th</sup> International Achiever Conference conducted at Bangkok. Rainwater Harvesting Technology by Civil Department and Energy conservation Audit by EEE Department has been propagated extensively among public from the year 2001 by Community Polytechnic Scheme of our polytechnic college.

Our Polytechnic won winner award consequently six times in Table Tennis at State Level and more than fifteen times at divisional level. Our students are getting Individual Championship award at Divisional level for the past two years.





## SPECIAL FEATURES

- The students are counseled extensively by Teachers and Good Relationship is maintained between Teachers and Parents and Teachers and students.
- Intensive care is taken to develop the below-average students with individual attention.
- Personality Development workshops are conducted for all students.
- Special Evening classes are conducted for below-average students.
- N.S.S. and Rotaract Club are very active units in our Polytechnic College which develops Personality, Character, Culture and Patriotism among students.
- 105 members of well - experienced teaching faculty put their heart and soul in their dedicated mission to the student community.
- Books Publication - 19 number of books have been published by our staff member of various disciplines.
- Every year around 25-30 Campus Interviews are conducted through placement cell. For the past 20 years, all branch students are placed and most of the candidates are placed in lead industries & Multinational company (MNC) in Delhi, Pune, Chennai, Bangalore, Coimbatore, Madurai & Foreign Countries like Singapore, Malaysia, Dubai, USA etc.,
- Career guidance is given through placement cell to go for Higher Studies.

## FOREIGNER'S VISIT

- A Team of 15 delegates from 12 European and Asian Countries called and learned our system of Teaching and getting Diploma.
- A Team of 20 Students with 2 Deans of University of Rotterdam Netherlands Visited and interacted with our Staff and students.
- A team of 48 foreign delegates from different countries visited to study about how total quality management systems are followed & empowerment of women is carried out in our polytechnic college.



**தமிழ்நாட்டிலேயே மாணவர்  
சேர்க்கையில் முதலிடத்தில் உள்ள  
பாலிடெக்னிக் கல்லூரி**



## CIVIL ENGINEERING

Established in the year 1983 Civil Lab is well equipped with Universal Testing Machine and other equipments at a cost of Rs. 8 Lakhs. Survey Lab is modernized with Automatic Levels, Electronic Theodolites and Total stations at a cost of Rs. 10 Lakhs. Total stations are used for angle measurements, distance measurements and Area measurements. Application of Total station is very wide in mapping and locating routes in Roadways, Railways and canal construction. CADSRC detailing software package and A3D MAX software package are purchased for about Rs. 2.5 Lakhs. Hand operated machineries are motorized at a cost of Rs. 6 Lakhs in Strength of Materials lab. Calibration is done periodically and testing of materials is done. Total value stands at about Rs. 30 Lakhs. Students are motivated to become state rank achievers and they shine as licensed contractors in various departments. Area of Civil Lab is 4000 Square feet. Survey Camp and Industrial visits are arranged regularly. Government job opportunities are wider in Railways, Highways, Irrigation, Watersupply and Publicworks Departments.



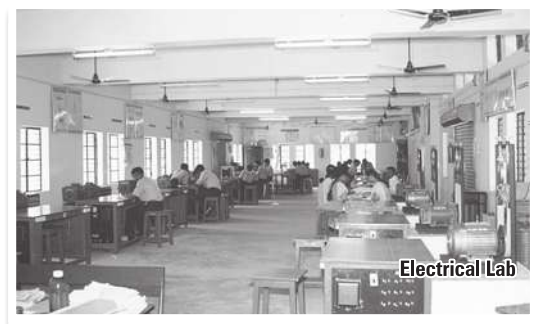
## MECHANICAL ENGINEERING

Mechanical Engineering is an EVERGREEN branch. It gives lot of exposure to diversified engineering fields. The department is well equipped with latest labs and manned by highly qualified & experienced faculty members. Total lab area is 6600 Square feet. Total lab equipment cost around Rs. 45 Lakhs. The department has adopted latest teaching learning process like e-learning (<http://klnemech.in>), PowerPoint presentations, overhead projectors, seminars, guest lectures, industrial visits, etc. We take special efforts to reduce the gap between Industry & Institute. Mechanical Engineers are required in hard core Mechanical Industries. Also they play very important roll in Government Sectors like Engineering Services, Railway, Navy, Army, Air force, Marine, Power Plants, etc. Hence the employment potential is very high for Mechanical Engineers. We motivate our students for higher education and Entrepreneurship through structured training. Earn while learn during vacation time. The department has an intake of 240 in 1st year and 288 in IInd year with faculty strength of 30. The faculties are all well qualified and experts in their respective skilled and excellent technical knowledge. During vacation periods of every semesters, our students are being deputed for inplant training to various industries. They are being benefited to earn stipend for their studies.



## ELECTRICAL AND ELECTRONICS ENGINEERING (EEE)

A well furnished and a well equipped Electrical Machines Lab., Wiring and Winding lab and Modernized Industrial Electronics Lab have been set up. The curriculum covers the subjects as per the needs of industries like Electrical AC/DC Machines Lab. Control of Electrical Mechines Lab, Power Electronics Lab, Electrical Estimation and Auditing. Electrical Workshop for servicing of Domestic Appliances. Computer Applications Lab, ECAD, Circuit Simulation Lab... Industrial Electronics Lab is further modernized for the students to acquaint themselves with the latest Technological development followed in industries. For this the Industrial Electronics Lab is modernized with AC/DC drives and TMS 320 40 based DSP trainer with IGBT module. In EEE department Electrical Machines Lab is equipped with all AC/DC Motor, PLC Drives Stepper Motor, Interfacing Switches and relays... The Department organised Industrial visits to various power plants at Mettur, Tuticorin, Papanasam, Kudankulam. Students are motivated to participates in all National level Symposium, Project contest, Technical Quiz... Need based Technical Training courses like Wiring, Winding and Servicing of Domestic Appliances. Industrial Automation are conducted to improve the technical skill of the students. Students from EEE Departments are getting Job opportunities at TNEB, Railway, Metro, Adhani Projects, BSNL... Students are visiting industries periodically for undergoing In-plant training and earning money during semester holidays.





## ELECTRONICS AND COMMUNICATION ENGINEERING (ECE)

ECE Department in our college was established in the year 1983. Among the Polytechnic colleges in India, our ECE Department is the first Accredited Department during the year 2001, by NBA, AICTE, New Delhi.

ECE Department is enriched with four laboratories equipped with the latest Equipments, Instruments and Computer systems. The four labs are Electronics Lab, VLSI/Embedded Systems Lab, Instrumentation Lab and Communication Lab. Total Lab area is 5619 Square feet. Electronics Lab is equipped with the latest version of Cathode Ray Oscilloscopes (CRO), Signal generators, Analog/Digital power supplies, Measuring meters etc., VLSI/Embedded system Lab is equipped with the latest Computer systems, VLSI trainers, Embedded system trainers, Interface kits etc., Instrumentation Lab is equipped with the latest version of Microcontroller trainers, PLC trainers, Transducer kits, Interface kits etc., Communication Lab is equipped with the latest version of Digital Storage Oscilloscopes (DSO), AM/FM generator, Microwave bench, Analog/Digital Communication trainers, TV trainers etc.,



Electronics & Communication Lab

Electronics and Communication Engineering has scopes in the fields of core Electronics, Instrumentation, Robotics, Mechatronics, Computer Hardware, Communication Systems, Sensors, VLSI techniques and Embedded Systems. Diploma ECE students have various job opportunities in the above fields and Government sectors such as Police Department, BSNL, Railways, Airforce, and TNEB. Hence suitable training courses like mobile phone servicing, Computer hardware and Networking, PCB design etc., are being conducted to make the students industry ready. The ECE faculty are highly qualified and well experienced. The Teaching-Learning process implemented is well and good. It improves the academic performance of the students. Slow learner students are given good coaching and counselling.

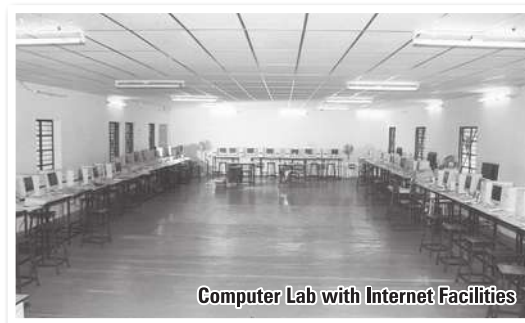
The Department students can utilize the 'Department Library'. The library has text books and reference books related to all subjects. 'Guest Lectures' are periodically arranged for the students by inviting experts from industries. Suitable guidance is given to students to participate in the paper presentation contests, project work competitions etc., Personality development programs are conducted. Our college counselor provides psychological counseling to the students in need. Various Industrial visits are regularly arranged for the students.

## COMPUTER ENGINEERING

The Department of Computer Engineering was established in the year 1995 and maintains an outstanding record of academic performance. The Department adopts "M Scheme" syllabus developed by Directorate of Technical Education, Chennai on topics related to all aspects of Computer Hardware and Software with an emphasis on practical learning. The curriculum covers the subjects such as Operating Systems, Programming Languages (C, Java, .NET), Data Structures, Computer Architecture, Computer Networks, Cloud Computing, RDBMS, Computer Hardware & Servicing, Android, Multimedia, etc., In addition to the curriculum there are ample opportunities for the students to participate in co-curricular and extracurricular activities.

The Department has state-of-the art infrastructure and computing equipments supported by Servers, Desktop Computers, Laser Printers, Scanner, UPS, etc., Internet Lab is equipped with 60 advanced PCs with 10 mbps (1:1) dedicated Internet connectivity. Total Lab area is 3500 Sq.Ft. Total cost of equipments in the lab is around Rs. 65 Lakhs. The Department comprises a smart classroom which includes LCD projector, Screen, Speakers, Microphone and a computer system. Apart from College Central Library, Department has well equipped Departmental Library having approximately 150 Titles with Audio & Video facilities.

After successful completion of Diploma course candidates can join Direct 2nd year B.E./B.Tech., in Engineering Colleges under Lateral entry scheme. Diploma holders in Computer Engineering have a plethora of job opportunities over a range of industries. These include Hardware Servicing, Software Development, System Administration, Graphic Design, Web Design, Mobile App. Developmental, BPO Services, etc.,



Computer Lab with Internet Facilities



Students browsing on Internet



## COMMUNICATION SKILL DEVELOPMENT LAB

This Lab has been set up at a Cost of Rs. 12 Lakhs to develop communication Skill among students particularly in Spoken English. Two exclusive spoken English experts have been appointed to handle spoken English Classes which are conducted for II year and III year students one period per week compulsorily apart from syllabus.

## LIBRARY

Well stocked library with 18000 Reference Books for the students' use has been established and Journals and Magazines are available in abundance. The Library functions from 9.00 A.M to 6.00 P.M. Digital Library with 10 Computers are provided.

## COMMON COMPUTER LAB

Common Computer lab has 100 Dual Core HP and IBM computers. These systems are provided commonly for all courses.

## MODERNIZATION OF LABORATORIES :

Grant in Aid by AICTE, Government of India, New Delhi, To Accredited Polytechnic College Programs : Since our POLYTECHNIC COLLEGE PROGRAMMES are ACCREDITED BY AICTE, Grant in Aid is sanctioned to our Polytechnic College by AICTE, for modernizing our Laboratories under Government Aided Schemes like MODROBS (Modernization and Removal of Obsolescence Schemes) Our Polytechnic College Labs are Modernized with latest Equipment at a Cost of Rs. 47,82,000.

## PLACEMENT CELL ACTIVITIES

Campus interviews are arranged frequently. We are visiting the HR/Personnel Department of the reputed industries and concerns in Industrial cities periodically. We are going through the Opportunity, Classified and Appointment columns in the dailies, different telephone industry directories and contact the Advertiser companies and industries through Telephone and by Correspondence. The HODs are advised to conduct need based and skill developing Short term courses according to the need of the industries. Feed back from employers are collected about the performance of our polytechnic college candidates who are employed to know about the skills to be added to our students. Technical tests, aptitude tests, personal interviews (mock interviews) communication skill development and group discussion are conducted. Statistical details of placement, Brochures of our polytechnic college and resumes of the candidates are prepared and submitted to invite executives to visit our institution for conducting campus Interview.





## Major Recruiters:

Tessolve semiconductor Pvt. Ltd., Coimbatore, Cadence Design Desk Pvt. Ltd., Bangalore, Avalon Technologies, Chennai, Pulsar, Chennai.

HCL-HYDERABAD, Zoho Corporation, Chennai, Easy Tech Instruments Madurai, Sify Technologies, Chennai. S.B.L. Madurai. Neeeyamo Enterprises Solutions,

WTI Advanced Technology, Chennai, Centum Electronics, Bangalore KPR Mills, Tirupur, B.K. Systems, Chennai. Cube Yogi, Jiloba Software Services

Ashok Leyland, TVS Dalphi, TVS Brakes India, LMW, HITECH Arai,

L & T, TVS LUCAS, APOLLO TYRES, TVS TYRES, TAFE, VST MOTORS, ARUNA ALLOYS, ESSAR, HYUNDAI, MOTROLLA, SARADHA MOTOR.

SIMPLEX, Construction & Infrastructure, L & T.



## INDUSTRIAL INSTITUTE PARTNERSHIP CELL (IIPC)

Industrial Institute Partnership Cell is set up at a Cost of Rs. 8.95 Lakhs with grant in aid by AICTE, New Delhi with sophisticated and Hi-tech Seminar Presentation Equipments like LCD (Liquid Crystal Display) Projector. OHP etc. For Conducting Regional and state level Seminars and for developing good Industry Institute Interaction for the benefit of the students, our Polytechnic College has signed MOU (Memorandum of Understanding) with industries and with Madurai District Tiny and Small Scale Industries Association (MADITSSIA).

IIPC aims:

- To arrange Inplant Training for students in Industries
- To arrange Industrial Visits for students
- To arrange lecturers to deliver contents beyond syllabus.
- To conduct to skill courses like Multimedia, Cellphone Servicing, CAD/CAM, ECAD, PLC, ProE and structured CAD, Servicing of Domestic appliances.
- To arrange Guest Lectures by Eminent Technical Experts from Industries
- To conduct Seminars in Latest Technologies.
- To conduct Exhibition in Modern Technologies.

## TRANSPORT

Sixteen buses are at service for transport. Our polytechnic is situated just 3 km away from the city and number of city buses are available from the town to reach the Institution.



## SPORTS :

Institute level sports and games are conducted every year students are encouraged to participate in divisional level & State level sports and games. Our Team has won state level Table Tennis game for the Sixth time. Also our team has become winners in Division Level chess and carom Tournaments in the year 2005-06 and II Place in Pole Vault.

மாணவர்கள் வருகை மற்றும் கல்லூரியின் முக்கிய அறிவிப்புகள்,  
தேர்வு பற்றிய விவரங்கள் SMS மூலம் உடனுக்குடன் தெரிவிக்கப்படுகிறது.



## ENTREPRENEURSHIP DEVELOPMENT CELL

Every year EDP is conducted for the outgoing students to start their career as Entrepreneurs. The Officials from Government Organizations such as TIIC, DIC, KVIC, SIDCO, etc., and the Senior Managers of Nationalized Banks address the students and give information about the Subsidies and facilities offered to ENTREPRENEURS by Government Organizations and also the Loan Schemes of Nationalized banks in EDP. The students are guided by the EDP Cell in the Polytechnic to approach the Organizations. EDP Cell was established in 2009 sponsored and funded by AICTE, New Delhi. We received grant-in aid of Rs. 8 lakhs from AICTE, Rs. 4 Lakhs for non recurring grant and Rs. 4 lakhs for recurring grant for a period of 3 years.

## COMMUNITY DEVELOPMENT THROUGH POLYTECHNICS SCHEME:

This is sponsored by MHRD, Govt. of India and monitored by NITTTR, Chennai. Through this program 13 job oriented short-term skilled courses are conducted in around 6 villages, where minimum 600 villagers are trained each year. Other activities of this program include Transfer of Technology, Technical Service Camp and Dissemination of information.

## HOSTEL:

Separate Hostel facilities are available for both Boys and Girls inside the College Campus. Hostel provide facilities to accommodate around 100 Girls and Boys Separately like Water Heater, Washing Machine, LCD TV, Purified Water, Dining, etc.

