LAYOLA

INSTITUTE OF SCIENCE AND TECHNOLOGY

Affiliated to APJ Abdul Kalam
Technological University
Approved by AICTE

**Murukkungal P O, Vellikulangara,
Via Kodakara, Thrissur 680 699**

LAYOLA INSTITUTE OF SCIENCE AND TECHNOLOGY was founded in Global Knowledge foundation, a trust instituted by a group of educationalists, technocrats and philanthropists, with the primary objective of rendering selfless, dedicated and yeomen service to the cause of higher education in the fields of Engineering and Technology initially and in Management, Arts, Science and Medical Sciencess subsequently.

Vision

"To establish an institution of international standards that can meet the optimum demand of professionalism and empower the youth with ethical values for global outlook towards nation building.

To implement National Educational Policy programmes

Mission

To Create an amalgamated educational centre for academic experience excellence which foster for the development of technology and entrepreneurship skill and to social responsibilities in young aspiring engineers towards reviewer nation building in the new millennium

Dr. SHASHIDHARAN
M Tech (Structures), PhD
(Principal)

Prof.(Retired N S S College of Engg.Palakkad) thirty one years of teaching experience , research and industry in India & abroad. Author of many national and international publications.

Prof. Nirmala Devi N.C
M Tech(Geotech from IIT Madras)
(Director)

(Retired prof. From N. S. S college of Engg. Palakkad) thirty six years of teaching experience.

B.Tech
COURSES OFFERED

LAYOLA INSTITUTE OF SCIENCE AND TECHNOLOGY has been approved by AICTE and affiliated to the APJ Abdul Kalam Technological University if conducting B.Tech Degree courses in the following branches with an intake of 60 students in each Batch

CE CIVIL ENGINEERING

CS COMPUTER SCIENCE & ENGINEERING

EC ELECTRONICS & COMMUNICATION ENGINEERING

EE ELECTRICAL & ELECTRONICS ENGINEERING

ME MECHANICAL ENGINEERING

Admission

50% of the seats are filled by Government under Centralized Allotment Process and remaining 50% Seats including NRI quota are filled by the management on the basis of merit.

Application Forms

Application forms for the admission under Management. NRI quota can be obtained from the College office or can download from the website

Eligibility

Candidates who have passed Higher Secondary Examination, Kerala. Or Examinations recognized as equivalent thereto, with 50% marks in Mathematics separately, and 50 % marks in Mathematics, Physics and Chemistry put together are eligible for admission However Candidates who have obtained 45% marks in Mathematics separately with 60% aggregate marks in Physics and Chemistry put together are also eligble for admission . 5% relaxation in the above criteria for OBC and only 40% marks required for SC/ST.

CIVIL ENGINEERING

The department is well equipped with Materials Testing Lab. Survey Lab, Geotechnical Engineering Lab, Fluid Mechanics Lab. Environment Engineering Lab and Computer Lab with Civil Structural and Drawing Software, The department offers consultancy services for planning and designing of building, site investigation, design of foundation for multi – storied buildings etc. The department undertakes strength test for concrete, bricks and steel

ELECTRONICS & COMMUNICATION ENGINEERING

The department offers hands on training to the students to meet the requirement on the industry in well equipped and hi - tech laboratories with sophisticated instrument and equipments under the guidance of highly qualified, experienced and dedicated faculty.

COMPUTER SCIENCE & ENGINEERING

Computer Science is the scientific and practical approach to computation and applications . It is the systematic study of the feasibility, structure expression and mechanization of the methodical processes (or algorithms) that underlie the acquisition, representation, processing, storage and access to information, whether such information is encoded in bits and bytes in computer memory.
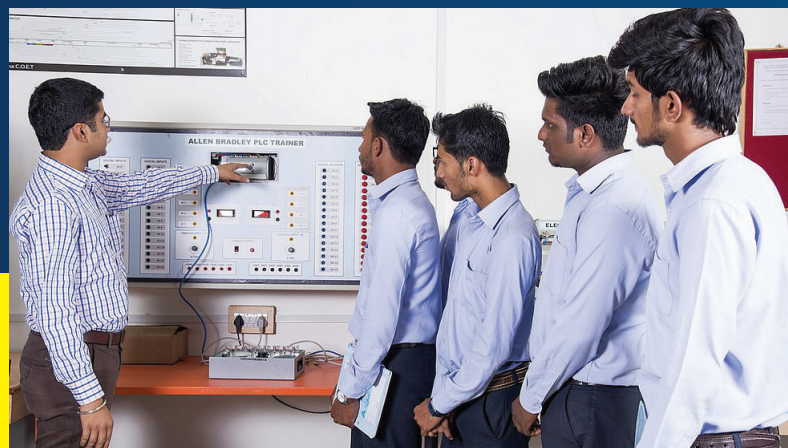
A computer specialist specializes in the theory of computation and the design of computational systems. Its subfields can be divided into a variety of theoretical and practical disciplines. Some fields such as computational complexity theory (which explores the fundamental properties of computational problems) are highly abstract, while fields such as computer graphics emphasize real world visual applications. Still other fields focus on the challenges in implementing computation

MECHANICAL ENGINEERING

Mechanical engineering is discipline of engineering that applies the principles of engineering, physics and material science for analysis, design, manufacturing, and maintenance of mechanical systems. It is the branch of engineering that involves the production and usage of heat and mechanical power for the design production, and operation of machines and tools. It is one of the oldest and broadest engineering disciplines.

Mechanical engineering offers and exciting environment where many skills are brought together to create innovative products and infrastructure and technology for manufacture. A career in Mechanical Engineering offers the exciting challenge of using mathematical and scientific knowledge for the design and development of practical devices and machines. As the world's population grown and issues of energy consumption and transport demand become more pressing, innovation in this area critical to our future

ELECTRICAL & ELECTRONICS ENGINEERING

Electrical Engineering is a filed of engineering that generally deals with the study and application of electricity , electronics and electromagnetism. It continues to be one the fastest growing branches of engineering incorporating a wide spectrum of activities and specialization including power generation and transmission, electrical machines and actuators, communication electronics, embedded computer systems and control electronics

Highly qualified and experienced faculty enable the department to mould the students into full fledged Electrical Engineers. Excellent job Opportunities exist in various public/private power intensive organizations such as Electricity Board, ISRO, DRDO, OilRefineries, NTPC etc.

Infrastructure

The College offers the following facilities

- Spacious class rooms
- Well – equipped laboratories
- Workshops
- Central Library with an excellent collection of books,National and international journals in Engineering and Science including E books and E Journals
- 100 Mbps leased line internet bandwidth connection with 1:1 ratio
- Seminar hall/conference hall with video conference facility
- Virtual class rooms for interaction with foreign universities and important personalities
- Weekly seminars to improve students quality
- Placement training from first year itself
- Link with foreign universities
- An active NSS unit
- Students and staff health insurance
- Community health programme
- Woman grievance cell
- Local area network connected computing and `data handing facility
- Spacious reading room
- Internet facility
- Video conferencing facility
- Modern office
- Hostels for boys and girls
- College buses linking all major neighbouring towns
- Canteen
- Students Store
- Language Lab
- Seminar hall/ Conference hall
- Health Centre
- Reprographic centre and Telephone booth
- Guidance and Counselling Centre
- Placement & Training Cell
- Pantry & Snacks bar
- Cyber Centre
- PTA
- Anti – Ragging Cell
- Grievance Redressal Cell

Faculty

All the departments are headed by experienced professors. Teachers are well qualified. Experienced and dedicated

Transport

College buses are plying in all the major routes connecting Thrissur, Irinjalakuda, Aluva, Mannuthy and Triprayar

WONDER OF NATION
SPORTS ACADEMY

"Shaping the Future on Nation "

An academy focused on athletics, Games and academic ability with world - class infrastructure, professional coaches, best training teachers and sports clinics.

HIGHLIGHTS

1. Earn while you learn support
2. Add on programs & international certifications
3. Scholarship for meritorious students
4. Community outreach programs
5. Arts & cultural festivals
6. Separate hostel for boys & girls
7. Hygienic canteen

CAMPUS INITIATIVES 2022

- Start up Units : In Association with Central, State, AICTE, ASAP etc..
- Dedicated Learning Management System Platform for skill development
- Professional Career Counselling
- ERP Solutions for paper less campus.
- Plantation of exotic trees.

Up'sLevel

LAYOLA
INSTITUTE OF SCIENCE AND TECHNOLOGY

Upskill Beyond The Classroom, Closer To Industry With Us

No Course Fees Until You Get A Job

Information Technology

- Artificial Intelligence
- Machine Learning
- Computer Hardware and Networking
- Cyber Security
- Ethical Hacking
- Cloud Computing
- Block Chain Technology
- Python Development
- Full stack Development
- Cyber Forensic
- Android Development
- Robotics Course
- Argument Reality
- Ui/UX Designing
- Java Development
- Mean stack Development
- Flutter Development
- Linux Basics
- Machine Learning
- Artificial Intelligence
- Python Programming
- PHP
- NET
- SAP

Personality Development and Job Readiness

- Stress Management
- Time Management
- Emotional Intelligence
- Personal Finance For Recent Graduate
- Aptitute Test & Logic Reasoning
- Spoken English
- IELTS Training
- Linkedin personal Branding
- Resume Building & Interview Preparation

INTERNATIONAL
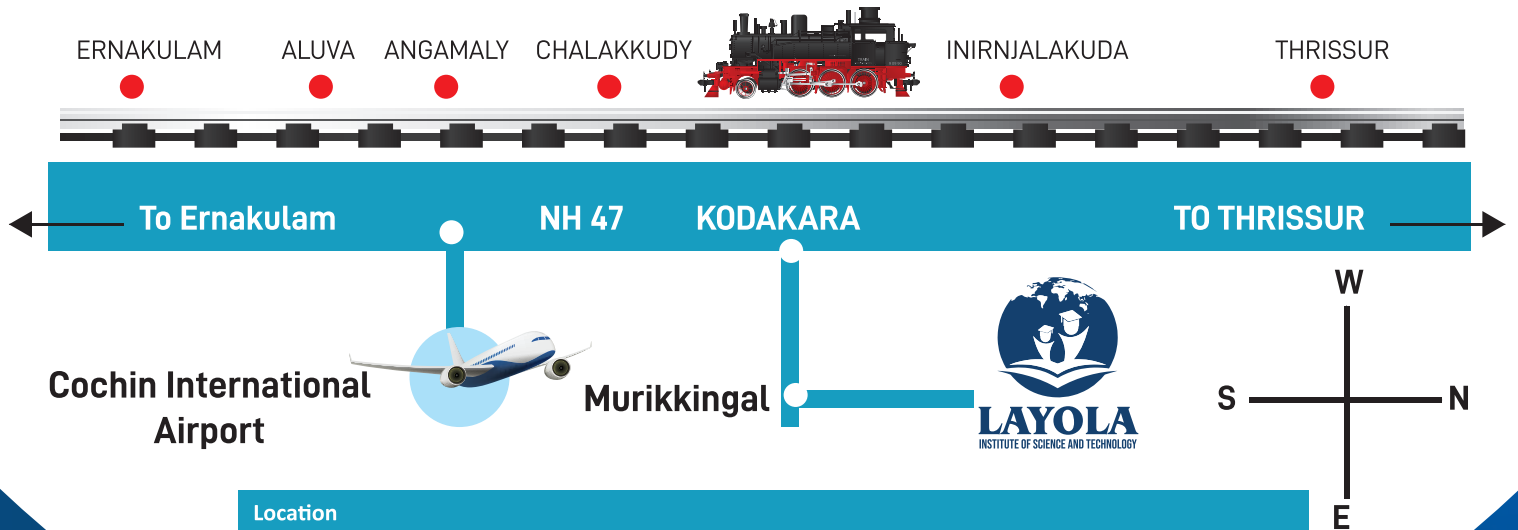## UNIVERSITY TIE UPS

- UK
- USA
- AUSTRALIA
- CANADA
- GERMANY

HOW TO REACH US

ERNAKULAM   ALUVA   ANGAMALY   CHALAKKUDY   INIRNJALAKUDA   THRISSUR

To Ernakulam   NH 47   KODAKARA   TO THRISSUR

Cochin International Airport

Murikkingal

LAYOLA INSTITUTE OF SCIENCE AND TECHNOLOGY

W
S — N
E

Location

The College is located 29 kms away from Kochi International Airport, 38 kms from thrissur Swaraj round and less than 15 kms from Irinjalakuda Railway Station. It is located midway between Thrissur and Ernakulam at Murikkingal P.O, Vellikulangara, Via Kodakara, Thrissur - Kerala

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