



ASAN MEMORIAL COLLEGE OF ENGINEERING & TECHNOLOGY



(Approved by AICTE and Affiliated to Anna University, Chennai)
ISO 9001-2008 CERTIFIED INSTITUTION

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PROSPECTUS

TNEA COUNSELLING CODE

1423



ASAN

EDUCATIONAL INSTITUTIONS



Mahakavi Kumaran Asan

Mahakavi Kumaran Asan was a poet of Malayalam literature,
Indian social reformer and a philosopher.



The world dawns from love and flourishes with love;
Love itself is the might of the world,
Love brings happiness to all;
Love is itself, Sir,
and its negation is death.

- Mahakavi Kumaran Asan

ADMINISTRATION

This college is administered by the General Secretary with assistance from the Joint secretary, the Director and the Principal and the team.

FOUNDER

The Founder of the Association, **Shri A.K. Gopalan** continues to be the spirit behind the Asan Memorial Educational Institutions. Shri A.K. Gopalan, an eminent civil engineer with experience of over 60 years in construction industry, is the founder secretary of the Asan Memorial Association, Which runs eight educational institutions in and around Chennai. A visionary with extraordinary capabilities, his dynamic leadership has made the Asan Group of Educational Institutions a force to reckon with in education field.



Inauguration of the College by His excellency Shri P.S Ramamohan Rao,
Governor of TamilNadu, on 27.06.2003

GENERAL SECRETARY



The General Secretary of the Asan Memorial Association, **Mrs. Shyamala Jayaprakash** is an eminent educationist and an erudite public speaker. An able administrator, she has been moving spirit behind the implementation of many innovative ideas in the Asan Group of Institutions.

With over 35 years of experience in the field of education Shyamala Jayaprakash brings to the table her vast knowledge in managing educational institutions. Under the able guidance of her father the founder Secretary and Chairman Sri AK Gopalan she learnt the nuances of building and running various institutions ranging from schools to colleges. She took over the reins of the management as the General Secretary in 2011. The group has since grown both in size and eminence.

The Asan group of institutions started with Asan Memorial Senior Secondary school in the year 1966 which went on to become the first private CBSE school in Chennai. 55 years later the groups portfolio include schools, play schools, arts and science college, engineering college and a dental college. Shyamala Jayaprakash vision is to build further on the solid foundation laid by her late father Sri AK Gopalan.



JOINT SECRETARY

Dr. Gautham Babu is a dentist by profession and an educationist by passion. After completing his dentistry, Dr Gautham entered private practice in Chennai. He was called upon by our founder secretary Sri AK Gopalan to realise his dream of building a dental college in the outskirts of Chennai.



He was the force behind the implementation of the Dental College having worked from the design stage to building completion. Recognising his management skills the founder secretary entrusted him with various additional responsibilities. After the passing of his mentor he took upon the role of joint secretary and has since been steering the Asan Group of institutions under the leadership of General Secretary Shyamala Jayaprakash.

Dr Gautham is a passionate animal lover with a deep rooted interest in the environment. His eye for detail and design is visible in all our newer developments and renovations.



DIRECTOR

Kumaresan.Muthiah, Director of ASAN Memorial College of Engineering and Technology (AMCET) is a veteran in industries having more than 35 years of service in various industrial sectors. He is an accomplished Engineering & Management professional with 13 plus years in leadership roles in Fertilizer, Power, and Petro Chemical Plants of the major Conglomerate Murugappa Group of Companies Chennai. He has overseas experiences at a global level working with multicultural and diverse ethnic environments.



He graduated B.E. from the College of Engineering, Guindy (CEG), Anna University, Chennai. Further qualified in MS (Master of Science) from BITS Pilani. On Management Studies graduated in Advanced Management Program in IIM Bangalore – BLP (Business Leadership Program).

He is a Certified Personal and Professional Coach in NLP (Neuro Linguistic Program) and Certified CII Assessor on Business Excellence in EFQM Model. He has got proven expertise in grooming young talent for future Leaders from IITs, NITs and Premium Universities. He handled HR management from recruitment of Graduate Engineer Trainees (GET), Performance Evaluation and improving the Skill Competency & role mapping. He was awarded as achievement-oriented professional with excellent management skills and initiated Safety Culture Survey by UK consultants.

He has got high recognition from the Centre and State Government. Won award consecutively four times at Delhi from the Ministry of Chemicals and Fertilizers. Best Management Award for the major Chemical Industry category three times from CM, AP State. He is a member of many professional bodies like CII, MMA.



INFRASTRUCTURE

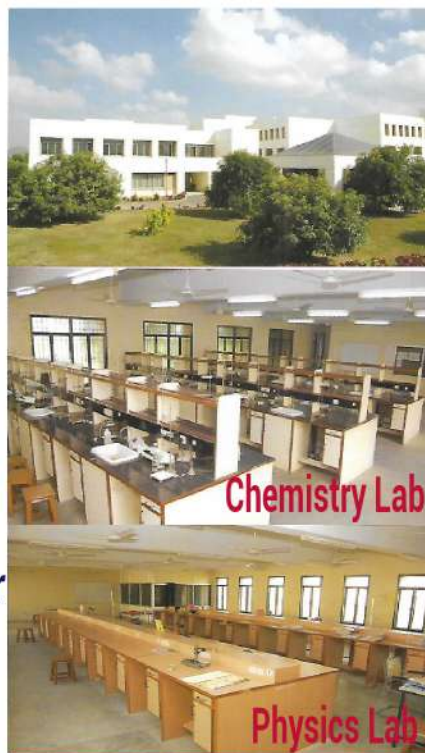
The master plan for the campus has been designed and developed by the renowned Architects & Engineers. The building have been constructed with highest quality standard using the best of materials to make the facilities most modern, aesthetic, comfortable and convenient for the users.

ACADEMIC BLOCKS

The College has already established spacious and impressive facilities for various academic programmes. The major academic blocks are listed below :

BASIC SCIENCE BLOCK

The Basic Science Block having an area of about 26,000 sq.ft spread over three floors accommodating all the basic facilities for the first year students. The Physics & Chemistry Labs housed in this block having over 2,000 sq.ft each are well ventilated and with most modern latest equipments as per the norms of affiliating Anna University, Chennai. The common computing facility with 92 latest P IV systems with uninterrupted & stabilized power supply are housed in an air- conditioned hall with internet facilities for making learning process and easy to the



students. This block has spacious Engineering Drawing Hall, Chemistry Lab, Physics Lab, Computer Lab, Class Rooms, Tutorial Rooms, Department Library, staff rooms, students common Room etc.as per AICTE norms.

BASIC WORKSHOP



Basic Workshop Lab

This Workshop having an area of nearly 9,000 sq.ft., is equipped with facilities required for practice in fitting, carpentry, sheet metal, welding, foundry and smithy. In addition, all department students will be working in General workshop as per Anna University syllabus to cope with the requirement for 1 year.

CLASS ROOM BLOCK - I

This Block is designed and constructed as an independent and exclusive class room facility consisting of eight spacious class rooms and general administrative office. All the class rooms are well ventilated with capacity for more than 70 students each.



CLASS ROOM BLOCK - II



This Block has 12 class rooms generally to accommodate 1st Year Classes of all Branches of study and each class room can accommodate 70 students.

LIBRARY BLOCK

The Library Block has Library, Reception & Visitors Lounge and the office of the Director. The library with an area of 10,000 sq.ft has spacious reading hall, reference section and periodical section. The library has adequate number of books as per Anna University norms and journals of nation and international origin, educational CD's etc. The Library has been automated with latest library automation software.



The issues and returns of the books are monitored through the bar code facilities. The library is provided with a digital library and audio-visual room and internet facility. Reprographic facility is available in the library for the benefits of staff and students. The Library functions from 9.00 am to 6.00 pm during which the staff and students can make use of the facilities including internet. The library is having more than 21,000 books and more than 40 national journals and magazines. Our library has subscribed for the e-journals of the AICTE consortium which provides access to more than 872 international journals.



DEPARTMENT OF MECHANICAL ENGINEERING



An exclusive Mechanical Engineering Block with an area of nearly 30,000 sq.ft. houses major Mechanical Engineering Laboratories.



Manufacturing Technology Lab

Fluid Mechanics Lab

Thermal Engg Lab-1

CAD/CAM Lab

Thermal Engineering Lab-2 (HMT)

Metrology and Measurements Lab

Manufacturing Technology Lab-2

Strength of Materials Lab

Mechatronics Lab

Dynamics Lab



“Mechanical Laboratories”



DEPARTMENT OF COMPUTER SCIENCE ENGINEERING



Computer Science Block with area of nearly 30,000 sq.ft. accommodates the laboratories, Class-rooms, staff-room and other facilities required for Computer Science and Information Technology branches. The latest operating system environment like Windows 11 available Unlimited speed internet connection is also provided in the computer lab.

LAB FACILITY

- 01 Problem Solving & Python Lab
- 02 Cloud Computing Lab
- 03 Networks Lab
- 04 Security Lab
- 05 Database Management Systems & Object Oriented Analysis & Design Lab
- 06 Data Structures & Object Oriented Programming Lab
- 07 Internet Programming & Mobile Application Development Lab

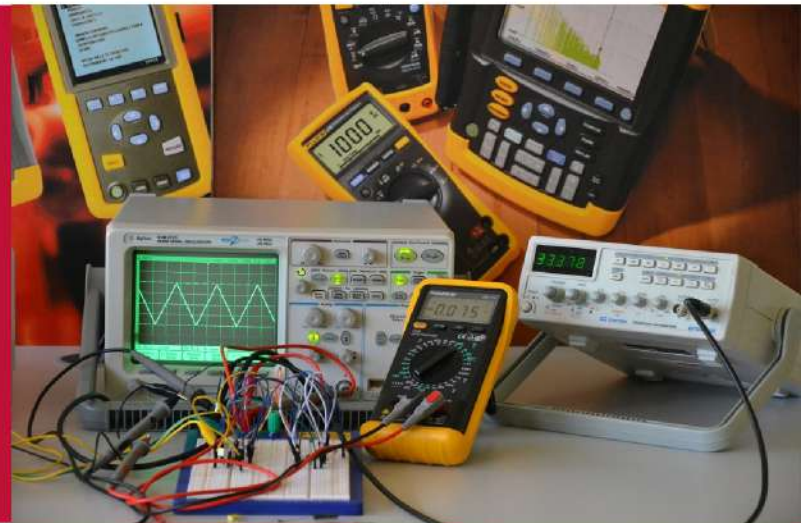
EVENTS IN DEPARTMENT

- Symposium
- Conference
- Workshop
- Online Courses
- Faculty Development Program

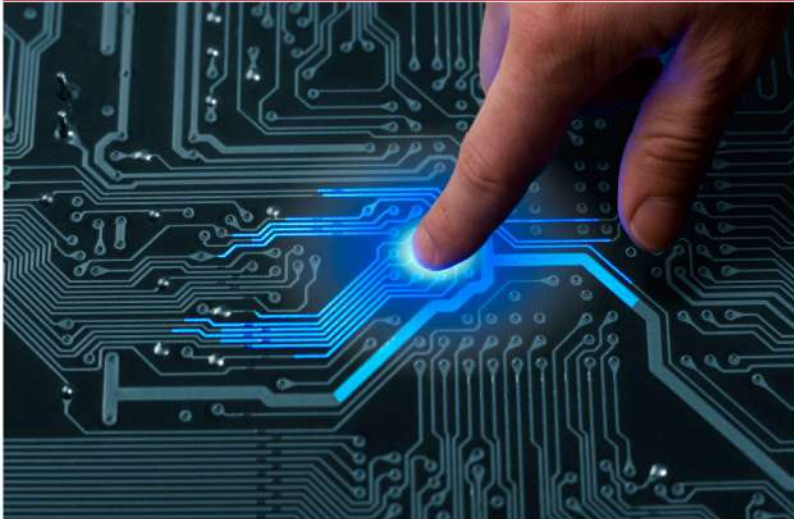
DEPARTMENT OF ELECTRONICS AND COMMUNICATIONS ENGINEERING

INTRODUCTION

The department of Electronics and Communication Engineering was established in the year 2001 and is ISO certified. It is equipped with excellent infrastructure. The department has a team of experienced and dedicated faculty members in different fields of specialization.



The ECE Department is keen on developing the instructional, analytical and communication capabilities of the forth coming engineers. The department is equipped with adequate classrooms, department library, seminar hall, and conference hall. The department had started with 60 students and now the intake is 120 students per batch.



The electronic devices and circuits, communication, microprocessor, digital signal processing, microwave, Electronic system design, linear integrated circuits, and networking are well equipped in with laboratories with all facilities.

LAB FACILITY

- | | | |
|-----------------|-------------------------------|---------------------------------|
| 01 VLSI Lab | 05 Communication Lab | 09 Microwave and Optical Lab |
| 02 Networks Lab | 06 Advanced Communication Lab | 10 Microprocessor Lab |
| 03 DSP Lab | 07 Basic Electronics I Lab | 11 Digital Electronics Lab |
| 04 LIC Lab | 08 Basic Electronics II Lab | 12 Basic Electronics Lab – I yr |

DEPARTMENT OF ROBOTICS AND AUTOMATION

Driving the future world of Robotics &
Automation



Robotics and Automation comprise the design and development of robots to integrate with intelligent control systems. The designing of robotic systems deals with the principles of electromechanical and computer engineering. In today's era, the increased demand of industry needs a professional with added expertise in the field of 'Robotics and Automation

Career Opportunities for a Robotics & Automation Engineer

Robotics and Automation being integrated and interdisciplinary branch involving domain knowledge of Mechanical, Electronics and Computer Science, a pass out engineer will have Immediate & long term employment opportunities exist in the fields like industrial automation, manufacturing, mining, aerospace, healthcare and defense.



Fundamentals of
Robotics



Mechanisms Design
and Development



Robot Kinematics &
Dynamics Covering
Rigid and Flexible Manipulators



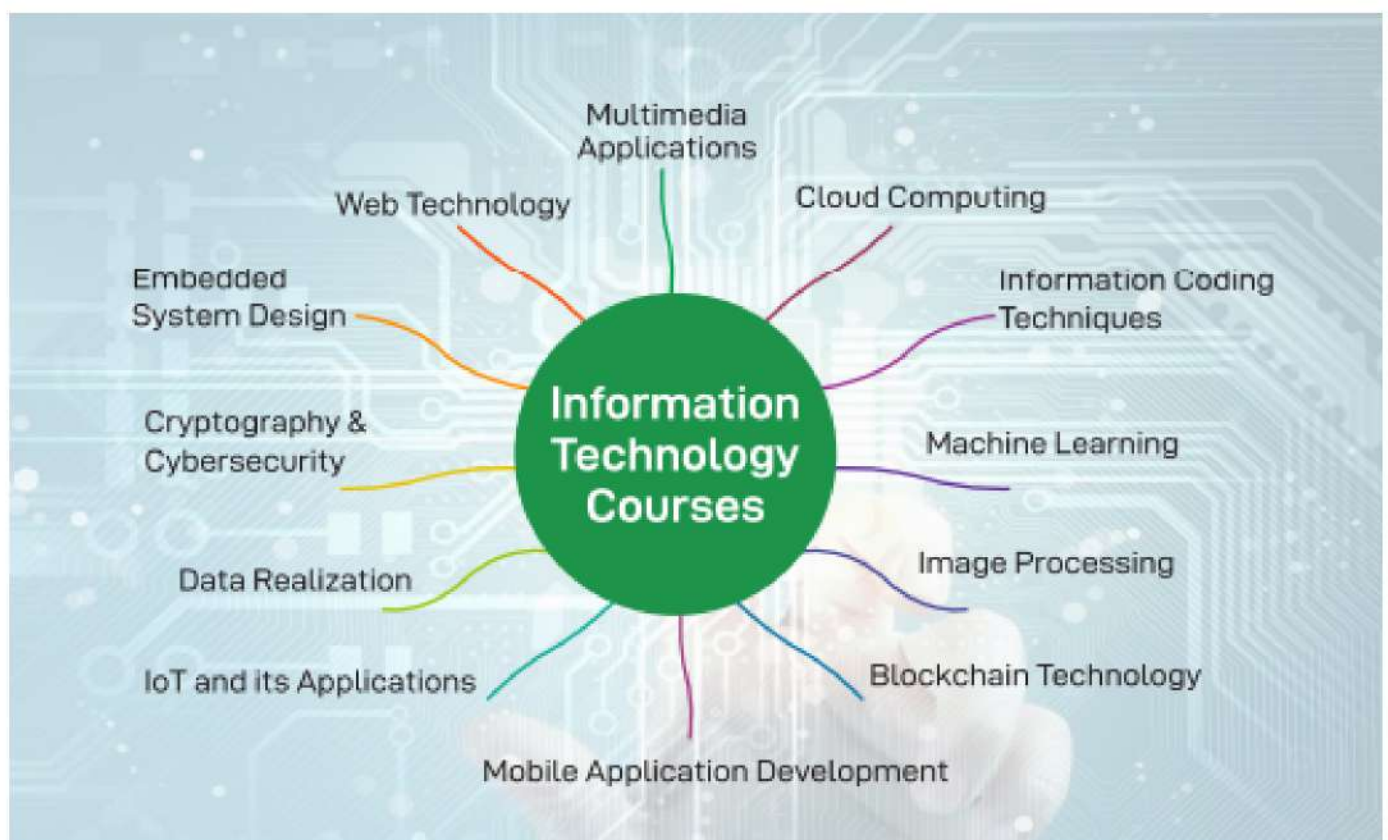
AI based Control
systems



Use of
Humanoid Robots

DEPARTMENT OF INFORMATION TECHNOLOGY

Information Technology is the field of study, design, development, implementation, support and management of computer-based information systems, particularly software applications and computer hardware. IT provides the means to develop, process, analyze, exchange, store and secure information.



- ★ To provide a strong foundation for the students aspiring a career in the field of the software industry and IT-enabled service industry.
- ★ To build and grow the commerce and business sector and generate maximum possible output.
- ★ To develop technologies such as hardware systems, OS and application software.



DEPARTMENT OF ARTIFICIAL INTELLIGENCE & DATA SCIENCE

- AI & DS Curriculum is designed to enable the students to build intelligent machines, softwares and applications.
- AI & DS works with a cutting-edge combination of Machine Learning, Deep Learning, Data Analytics and Visualization Technologies.
- The current talent pool in the IT industry has set its eyes on AI & DS as an avenue for attractive pay and rewarding careers.



The scope of Artificial intelligence and Data Science (AI & DS) is massive and plays a vital role in future technologies.

AI & DS Laboratories

- Artificial Intelligence Lab
- Data Science Lab
- Deep Learning Lab for Computer vision

Core Areas of AI & DS :

- Deep Learning
- Machine Learning
- Natural Language Processing
- Data Analysis
- Reinforcement Learning
- Big Data Analytics
- Business Intelligence

STUDENTS HOSTEL

Separate hostels have been provided for boys and girls within the campus. The design of hostel rooms and facilities incorporates latest ideas and tested concepts with provision for natural lighting, wide corridors and open area ensuring good ventilation for healthy living.

All the rooms are spacious with three seated accommodation, having almost independent and exclusive living and study areas for each inmate. A separate dining hall including a centralized kitchen with an area of over 7,500 sq.ft has been provided for the boy's hostel. A separate space is allotted for recreation purposes where in indoor games, T.V and reading room facilities are provided. The dining and recreational area has capacity for 250 students.



The girl's hostel has also been provided with spacious 3 seater rooms, dining and recreation halls besides a pantry and exclusive facilities for indoor and outdoor games.

CANTEEN FACILITY



A canteen with an area of over 3,500 sq.ft. has been located near the Basic science Block, easily accessible from the academic and administrative wings. The canteen has been well planned and laid out in the midst of mango gardens.

SPORTS

Facilities for sports and games are made available in the campus itself. Foot ball court, basket ball court, two volley ball courts, tennis court and courts for playing shuttle badminton, tennikoit etc.,



Best cricket ground with ICC Level 2 certified coach tie up in a serene lush green state of art campus facilities.



Facilities for indoor games like carom, chess, table tennis etc., are also provided.

AUDITORIUM

The College has an auditorium of 1200 capacity constructed at a cost of about 1 crore.



TRANSPORT

Transport facility is provided for students coming from Chennai, Chengalpet, Madhurantagam, Kalpakkam and Thirukalukundram and enroute.



INNOVATION INCUBATION CENTRE

Innovation and Incubation Centre provides a platform for students to convert their innovative ideas into commercially viable products. It stimulates innovation, research, and entrepreneurial activities in technology-based areas which in-turn facilitate students to start a business venture with minimum risks.

EXCELLENCE CENTRE

Excellence Centre imparts leadership, best practices, research, support, training for students. It organizes high Quality Training in specified sectors with unique focus on upcoming technologies.



ASAN

EDUCATIONAL INSTITUTIONS



**ASAN MEMORIAL
SENIOR SECONDARY SCHOOL**



**ASAN MEMORIAL MATRICULATION
HIGHER SECONDARY SCHOOL**



**ASAN MEMORIAL
COLLEGE OF ARTS AND SCIENCE**



**ASAN MEMORIAL COLLEGE OF
ENGINEERING AND TECHNOLOGY**



**ASAN INSTITUTE OF
MANAGEMENT**



**ASAN MEMORIAL
DENTAL COLLEGE AND HOSPITAL**



**AKG
PUBLIC SCHOOL**



**The
Carousel**
Asan's Play School

**AKG
PUBLIC SCHOOL**

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