



MOHAMED SATHAK
ENGINEERING COLLEGE
KILAKARAI, RAMANATHAPURAM DIST.



Prospectus

B.E. / B.Tech.
B.Arch.
M.E. / M.Tech.
MBA / MCA

COUNSELLING CODE 5907

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OUR VISION

To be an institution of repute and rare creativity in providing quality education with technical endeavor and research opportunities of very high standards to the students, who in turn shall contribute to the advancement of the society and human kind.

OUR MISSION

To provide Quality Education to the students across the country.

To motivate them to acquire skills and disseminate knowledge.

To achieve academic and professional excellence.

To offer the frontline facilities and sophisticated environment.

To endow with Expertise Faculty by providing opportunity to promote the students' skills and knowledge.



About the Trust

➤ Mohamed Sathak Trust, a charitable and educational organization, was established on 26 October 1973 at Kilakarai, by the Philanthropic Mohamed Sathak Family of Kilakarai, Ramanathapuram District, Tamil Nadu, with the sole purpose of helping deprived people from rural and financially challenged background to obtain quality education.

The first self-financing engineering college in the country was established by the Trust in 1984 at Kilakarai, and from that day onwards the Trust has been contributing to provide quality education with academic excellence to meet the requirements of industries at national and international levels.

The trust has an impeccable track record of running quality educational institutions from higher secondary level to the under graduate and post graduate levels in various disciplines such as Engineering Technology, Arts and Science, Pharmacy, Physiotherapy, Nursing and Medical Sciences; It has 18 educational institutions at present in Kilakarai, Ramanathapuram and Chennai.

We believe that "Verily God will not change the condition of a people until they try to change themselves". We focus on doing right things without any bias and with charitable mind would strive to build an institution of academic excellence and help in building the nation.

TRUSTEES



Alhaj. S.M. MOHAMED YOUSUF
CHAIRMAN, MST



Hajiyan. S. M. H. SHARMILA
SECRETARY, MST



Janab. P. R. L. HAMID IBRAHIM
DIRECTOR, MST

IN THE LOVING MEMORY OF OUR FORMER TRUSTEES



S.M. Ahamed Jalaludeen
Founder Chairman



Alhaj. Dr. S.M. Hamid Abdul Quadir
Former Chairman



Alhaj S.M. Kabeer
Former Correspondent



Alhaj. Dr. S.M. Dastagir
Former Executive Director



Alhaj. P.R.L. Shaik Abubucker
Former Trustee

About the COLLEGE

> All praises are to God Almighty. The Charitable Mohamed Sathak Trust was started in the year 1973 by Five brothers and Four brother-in-laws in the loving memory of their father Janab. Mohamed Sathak Thampy, who was the Jameen of Mayakulam and the surrounding region and later on as the President of the Kilakarai Panchayat Union for several times. The aim of the Trust was to promote Technical Education and train the students to cope with the technological needs of the day.

Initially, the Trust was offering scholarships to poor students for their education. In the year 1980, their first institution Mohamed Sathak Polytechnic College was established and the Mohamed Sathak Engineering College (MSEC) was started in the year 1984 as the very first Self finance Engineering College in the State of Tamil Nadu (G.O. Ms.No.1088, Education dated 21.08.1984).



It was started with 3 Programmes and now we are running successfully 10 Under Graduate and 10 Post Graduate Programmes. All programmes are approved by AICTE and affiliated to Anna University, Chennai. The Marine Engineering programme is approved by Director General of Shipping (DGS) and Architecture programme is approved by Council of Architecture (COA), New Delhi.

The Trust is a promoter of a number of educational institutions at Kilakarai, Ramanathapuram and in Chennai. Its group of institutions offer programmes in the fields of Technological, Technical, Vocational, Paramedical, Medical, Arts and Science, Teacher Training Education, School Education and other Higher Education.

Alhaj. S.M. Ahmed Jalaludeen was the Founder and Chairman, then his younger brother Alhaj. Dr. S.M. Hameed Abdul Quadir was the Chairman and Alhaj S.M. Mohamed Yousuf is the present Chairman of the Trust.

ACADEMIC CREDENTIALS & SPECIAL FEATURES

➤ The College offers 10 UG Programmes and 10 PG Programmes. Anna University, Chennai has offered “Permanent Affiliation” for 7 specializations to our college.

Every year, our college has been producing 100% results in many subjects and several top Anna University rank holders.

More than 42 students received University level Academic Ranks from Anna University, Chennai in the recently held Examinations for their Academic Excellence : 2 Gold + 2 Silver + 4 Bronze medals are also included. Well experienced, qualified and dedicated Faculty in all specializations including 30 Professors having Ph.D degree.

We are the first in the Anna University to implement E-Learning method through E-Cloud Computing Technique in the class room teaching system to improve the teaching / learning process. Wi-Fi enabled Cloud Campus with 50Mbps Internet Connectivity for 24 hours facility.

More than 80,000 books with latest collections and 200 National / International journals are available in the college library along with the access for more than 10,000 E- journals through Net. Research groups in all departments are functioning well with Research Activities in their respective areas and communicate their technical contributions to National / International journals / Conferences. Sophisticated and well Equipped Laboratories

The staff attend Faculty Development Programmes (FDP) on latest topics and undergo Intensive Training Programmes on advanced topics. Every year, on an average basis, more than 400 students are participating in mini research activities, present their papers at the national conferences and bring awards, appreciation and laurels to the college. More than 65 percent students are getting bank loan through our Bonafied Certificates.

Many more steps are being taken and methods are adopted to improve teaching / learning processes through counseling, internal tests, assignments, revision classes, class seminars, communication skills development programme, Parent-teachers meeting and E-Learning Process etc., The Self-Appraisal Process is implemented every semester to grade the Teachers' Quality and the Teaching Effectiveness of the teachers is found every semester from the student's feedback through well - framed Questionnaire system.

Research groups formed in all departments are involved in Research Activities in their respective areas on average basis every year more than 30 papers are published in International Journals / Conferences and around 100 papers are in National journals / Conferences. The Department of Training and Placement is effectively functioning by conducting Communication Skills, Technical Skills, and Personality Development Programmes and as a results every year more than 90% of the students are getting employed through ON- Campus and OFF Campus Drives during the period of their final year of graduation. In the Previous year, more than 348 students have been placed well, of which, about 100 students got into MNC Companies.

Programmes Offered

PROGRAMMES OFFERED

| | | | |
|-----------------|--|----------------|--|
| 10 - UG COURSES | B.E AERONAUTICAL ENGINEERING CIVIL ENGINEERING COMPUTER SCIENCE & ENGINEERING ELECTRONICS & COMMUNICATION ENGG. ELECTRICAL & ELECTRONICS ENGG. MARINE ENGINEERING MECHANICAL ENGINEERING | 9 - PG COURSES | M.E APPLIED ELECTRONICS COMMUNICATION SYSTEMS COMPUTER SCIENCE & ENGINEERING POWER SYSTEMS ENGINEERING STRUCTURAL ENGINEERING THERMAL ENGINEERING |
| | B.Tech CHEMICAL ENGINEERING INFORMATION TECHNOLOGY | | M.Tech CHEMICAL ENGINEERING |
| | B.ARCH - 5 YR. ARCHITECTURE | | MBA MCA |

ELIGIBILITY FOR UG PROGRAMMES

(1) a) Eligibility for B.E/B.Tech.

Pass in 10 +2 with Physics, Chemistry and Mathematics or a pass in higher secondary course (HSC) Vocational with Physics / Chemistry / Mathematics as one of the subjects or a pass in any other equivalent qualification approved by the concerned authority.

| A. Academic Stream | OC | BC / BCM | MBC/DNC | SC/ST |
|--|-----|----------|---------|-------|
| Aggregate percentage of Marks in Mathematics, Physics & Chemistry put together | 50% | 45% | 40% | 40% |

| B. Vocational Stream | OC | BC / BCM | MBC/DNC | SC/ST |
|--|-----|----------|---------|-------|
| Aggregate percentage of Marks in Mathematics, Physics & Chemistry put together | 50% | 45% | 40% | 40% |

b) Eligibility for B.E. Marine Engineering :

All categories of candidates must have secured a minimum average of 60% marks in Physics, Chemistry & Mathematics (PCM average). In addition, they should have a minimum of 50% marks in English either in + 2 (HSC) or 10th standard. Admissions made to the candidates are provisional till the approval given by the Directorate of the Technical Education, Anna University and Directorate General of Shipping (DGS), Mumbai. All the candidates should submit the physical fitness certificate at the time of admission*. For B.E. Marine Engineering, the Age should not exceed 25 years.

| A. Academic Stream | OC | BC / BCM | MBC/DNC | SC/ST |
|--|-----|----------|---------|-------|
| Aggregate percentage of Marks in Mathematics, Physics & Chemistry put together (PCM average) | 60% | | | |

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Programmes Offered

c) Eligibility for B.Architecture :

All candidates must have secured a minimum of 50% total marks with Mathematics, Physics, Chemistry and English as subject. NATA entrance exam shall be qualified

| A. Academic Stream | OC | BC / BCM | MBC/DNC | SC/ST |
|--|-----|----------|---------|-------|
| Aggregate percentage of Marks in Mathematics, Physics & Chemistry put together | 50% | | | |

d) Lateral Entry Admission: (Direct Second Year) B.E. / B.Tech.

Candidates who have passed the Diploma course in Engineering of the State Board of Technical Education or its equivalent are eligible for admission to the second year of all Engineering Courses. B.Sc Graduates with Mathematics are also eligible to join directly to the second year.

| | OC | BC / BCM | MBC/DNC | SC/ST |
|---|-----|----------|---------|-------|
| Aggregate percentage of Marks in Pre-final Semester & Final Semester put together | 50% | 45% | 40% | 40% |

ELIGIBILITY FOR PG PROGRAMMES

(2) a) Eligibility for MBA

Any Bachelor or Master Degree

b) Eligibility for MCA

Any Degree with Mathematics or Mathematics in 10 + 2 school level.

3 years for general graduate with mathematics or mathematics in 10 + 2 School level and 2 years for BCA candidates

| Sl.No. | P.G. Programmes Offered | Qualifications for Admission |
|--------|--------------------------------|---|
| 01. | M.E. (Thermal Engineering) | B.E. Degree in Mechanical / Automobile / Aeronautical Engineering |
| 02. | M.E. (Applied Electronics) | B.E. Degree in E.C.E / E.E.E. / Electronics & Instrumentation. |
| 03. | M.E.(Computer Science & Engg.) | B.E. Degree in CSE / ECE / IT |
| 04. | M.E. (Power Systems) | B.E. Degree in E.C.E / E.E.E. / Electronics & Instrumentation. |
| 05. | M.E. (Structural Engineering) | B.E. Degree in Civil |
| 06. | M.E. (Communication Systems) | B.E. Degree in E.C.E |
| 07. | M.Tech. (Chemical Engineering) | B.Tech. Degree in Chemical / Petrochemical Engineering |

Candidates with valid Management Aptitude Test (MAT) score or marks in any other All India Entrance Test will be considered for M.B.A admission also. Similarly candidates with Common Entrance Test (TANCET) Score will be considered for admission to M.C.A and M.B.A.

For M.E. Courses, students are admitted by the college as per Government rules and regulations on the basis of the marks obtained by the candidates in their qualifying examinations. The candidates can be admitted through the Tamil Nadu Common Entrance Test (TANCET) conducted by Anna University.

Department of AERONAUTICAL ENGINEERING

> Aeronautical Engineering Department was started in 1998 in this institution and was the first of its kind among the Self- Financing Engineering Colleges in Tamil Nadu. The department was started with a strong mission to promote Aeronautical and Aero space related activities especially in the field of Aircraft design, Production and Maintenance Engineering.

The department is at present encompassing Aerodynamics Lab, Aircraft structures Lab, Aircraft Structural Repair practices Lab, Propulsion Lab, Aero Engine Maintenance and Repair Lab, Design and Drafting Lab, Aircraft Design Project Lab, Aircraft systems Lab, Avionics Lab and CAD / CAM Lab etc.,



In addition to the related books available in the college main library, the department library also has adequate number of books on Aeronautical Engineering for reference to enlighten the staff and studying.

The department is also supported by other department laboratories such as Fluid Mechanics Production Process, Strength of Material and Thermodynamic Lab, Electrical Sciences and Computers etc., Real Aircraft systems, Electrical Systems, Landing gear and A/C Instrumentation Systems etc., are also available to provide hands on training to the students.

Department of AERONAUTICAL ENGINEERING

➤ The students learning process is augmented by arranging lectures by the experts in the field of Aeronautical Engineering through the 'Students Forum' in the Department known as "Airfare Association". Students are also encouraged to build aircraft models through "Aeromodelling Club" in the Department.

Memorandum of Understanding is signed with software companies to train the students on software packages such as Ansys, Pro-E and CATIA.



Regular Industrial Visits / Seminars / In – Plant Training / Project work are arranged to HAL, NAL, DRDL, NAVAL, Air station, DRDO, TANEJA Aircraft & Aerospace Limited, CABS, Aeronautical establishment of Air force and Navy, Indian Air lines, JET Airways, DECCAN Airways etc. The Students are well placed in the leading Aeronautical Organizations.

The department organizes National Level Conference every year with invitees, Research Scholars and budding aero engineers from other institutions and honour the best paper presenters. The department is headed by a well known senior professor and maintaining its best position with respect to rank holders including Gold Medalists in Anna University, Chennai.



Department of **B.E. - CIVIL ENGINEERING** **M.E. - STRUCTURAL** **ENGINEERING**



The Civil Engineering Department was started in the year 1984. The department has well qualified and experienced faculty with specializations in various branches of Civil Engineering, such as Structural Engineering, Soil Mechanics, Hydraulics, Environmental Engineering, Water Resources and GIS etc.,

Among the faculty, two are possessing Ph.D degree and the remaining faculty are pursuing with their Ph.D programmes in different specializations of Civil Engineering.

The Department produces academic rank holders every year with Anna University, Chennai. The Department is maintaining its superior position with respect to the pass percentage of Anna University, Chennai in Madurai zone.

The Department has several laboratories as per the requirements of Anna University. The labs are fully equipped with latest equipment. The labs are: Soil Mechanics Lab, Hydraulics Engineering Lab, Survey Lab, Concrete and Highway Engineering Lab, Strength of materials Lab, Environmental Engineering Lab, Computer Aided Design & Drafting Lab (CADD) etc.



Department of B.E. - CIVIL ENGINEERING M.E. - STRUCTURAL ENGINEERING



> The labs include all the required equipments, instruments, and setups. Few are listed below:

1. Hydraulics Lab

having different types of pumps with accessories, Turbines like Impulse turbine, Francis Turbine and Kaplan Turbine etc.,

2. Survey Lab

having total station, theodolite, dumpy level, plane table with all accessories, prismatic and surveyors compass etc.,

3. Concrete and Highway Lab

having concrete mixer, Flow table, Vee-bee consistometer, Aggregate Impact machine etc.,

4. Strength of materials Lab

includes 400KN capacity of Materials UTM(computerised), Torsion Testing machine, Hardness machine (Vickers, Rockwell & Brinnet) Beam deflection testing machine, Impact (Charpy, Izode) testing machine, Spring (Closed & Open Coil) machine etc.,

5. Soil Engineering Lab

consists of CBR apparatus, Unconfined compression testing machine, Direct shear apparatus, specific gravity, sieve analysis, permeability test, Atterberg limit apparatus etc.,

6. Environmental Engineering Lab

includes PH meter, Turbidity meter, conductivity meter, muffle furnace, Hot air oven, COD and BOD apparatus, calorimeter, heating mantles etc.

At the end of the 4 year programme, the students acquire hands on experience in design and preparation of structural drawings for concrete / steel structures, Hydraulic and environmental problems, normally encountered in Civil Engineering practice. Hence, the students undergo training and taking practice in the Computer Aided Design and Drafting lab which includes several models of structures and other related topics of civil engineering.

The Department of Civil Engineering organizes National level / State level conferences / Seminar / Workshop on latest topics of Civil Engineering. The faculty members are sponsored to attend FDPs to enhance their knowledge. The department has been producing Civil Engineers from 1988 onwards and so the Alumni are well placed across the nation / world and hence outgoing students are very much benefitted in all aspects for guidance and placement.

Department of **COMPUTER SCIENCE AND ENGINEERING (B.E. / M.E.)**

> The Department of Computer Science is offering BE computer Science and Engineering at UG level and ME Computer Science and Engineering at PG level. The Department was started in 1993. It is a well organized department and the UG / PG students are well motivated towards excellence.

The department has well established laboratories for UG and PG students. The Software labs are well maintained and conditioned powered by DELL and Pentium systems of latest configuration and 24 hours Internet facility. The Internet (50 Mbps) and laboratory facilities are available for staff and students round – the clock.



All the labs are well equipped with many modern facilities / utilities. The department has its own Local Area Network. More than 250 latest computers are installed in the computer labs with the help of structured cabling technique. There are two servers and 5 line UPS of 10KVA each in order to utilize the computing effectively. Special PC Server is also serving in the department.

Few of the laboratories are: Network Lab, Data Structure Lab, Communication Lab, PG Research Lab, CISCO Lab etc.

These labs are provided with Dell Optiplex 760 with Intel core 2 Quad processors, Linux, Window XP, Window 7 / Linux Novell Network, HP laser P1505 printers, Software such as open office, C, C++ compiler, JAVA, SQL plus, Net beams IDE, VB, Turbo C++, Net frame work, Globarina etc,

Department of **COMPUTER SCIENCE AND ENGINEERING (B.E. / M.E.)**



➤ PG Research and Development Lab has more than 30 systems with core i5 processor, 6.4G Hz processor speed, 8GB RAM, 500 GB Hard disc, Dell mother Board.

The system software lab, Linux / Unix lab, DBMS lab, case tools lab are provided with Dual core processors, with 3GB Processor speed, 160GB hard disc and Visual Studio 6.0, Window 7 / Linux, Rational Rose, JAVA jdu1.7, SQL server, ORACLE etc,

The students who have passed out from the department are well placed in National / International companies. ME students of this department are placed in various Engineering colleges as Assistant Professor / Associate Professor / Professors in TamilNadu & Kerala.

Every year, considerable number of outgoing students of CSE department secures academic ranks of Anna University, Chennai at UG & PG levels. Recently the ME (CSE) students of our college has obtained 10 State Level Ranks and obtain 2nd Position in the State.

The department is a Recognized Center for Cloud Computing & Nodal Center for CISCO Network Training.

The department often organizes National level Conferences / Seminars / Video Conferencing by Alumni on advanced / latest topics and the faculty are publishing research – oriented papers at the International / National Journal / Conferences.

The department has well qualified faculty specialized in various field of CSE.

Three of the faculty had been trained by cloud EMC2 and another three by CISCO Network Academy.

Industrial Training Programmes are carried out by reputed MNC's representatives.

Department of
**B.E. - ELECTRONICS AND
COMMUNICATION ENGG.
M.E. - APPLIED ELECTRONICS
M.E. - COMMUNICATION SYSTEMS**



This Department of Electronics and Communication Engineering was started in the year 1984 and so a large number of ECE engineers have been produced by this department who are all well employed at the National / International companies.

The department is offering BE in ECE and two ME Programmes one in Applied Electronics and the other in Communication Systems.



The entire faculty is well qualified and experienced and most of them are pursuing with Ph.D. programmes.

The department has several well equipped laboratories such as Electronics Devices Lab, μ p Lab, Electronics Circuits Lab, Embedded Systems Lab, Network Lab, DSP Lab, VLSI Lab, PC Lab, Optical Fiber Lab, Communication Systems Lab etc.

Latest instruments / equipments such as Digital Storage Oscilloscope, Spectrum Analyzer, Linear and Digital IC trainer, Microwave Benches, RF Communication Trainer, Antenna trainer, Optical Fiber Communication Trainer, 8085/86 μ p, 8051, 8096 μ c and their interfacing cards, ARM 7 processor, PIC Micro Controller, Simulation S/W 89 C 51 RTOS kit, ZigBEE Controller, LAN trainer kits, D-link Router, TMS320 DSP kits, MATLAB simulation software etc are available in the laboratories of ECE department.

Department of
**B.E. - ELECTRONICS AND
COMMUNICATION ENGG.
M.E. - APPLIED ELECTRONICS
M.E. - COMMUNICATION SYSTEMS**

➤ The students are very well encouraged and guided to present their technical papers at the conferences held in other institutions and as a result they bring awards / prizes to the department / college.

All the faculty are well qualified and experienced and most of them are pursuing Ph.D. programmes. The senior faculty members are involved in their Ph.D programmes and publishing research papers at the International / National journals / Conferences.

The department arranges visits to Radio / TV stations for students to acquire practical knowledge with real pictures.

This department often organizes special lecture programs with eminent scholars and conferences on latest topics in Optical Communication, Networking, Embedded Systems etc.



Department of
**B.E. - ELECTRICAL AND
ELECTRONICS ENGINEERING
M.E. - POWER SYSTEMS
ENGINEERING**



This Department of Electrical and Electronics Engineering was started in the year 1994 and has produced more than 1000 graduates in the field of EEE who are all well employed at the National and International organizations. The department has well qualified and experienced faculty from renowned institutions with various specializations such as Power Systems, High Voltage Engineering, Power Electronics, Applied Electronics, control systems, Instrumentation etc.

The department offers BE in EEE and ME in Power systems Engineering and is headed by a professor who is possessing Ph.D. degree in Electrical power. There are more than three faculties of this department holding fellowships of Institution of Engineers (India), and many other faculty are life members of Indian Society for Technical Education.

The department has well - equipped laboratories such as Electrical Machines Lab (with all the types A.C / D.C. machines), Measurement Lab, Instrumentation and control lab, Power Electronics and Drives lab, Power Systems Simulation Lab, Electronic Devices and Circuits Lab, Engineering Practice Lab etc.

The labs include the Instrumental set up for the analysis of stability, operation and control of Power System, Load flow analyzer, Transformer Oil Testing equipment to provide consultancy service to private power sector companies, Digital Storage Oscilloscope to study to transient analysis of Inverter / Converter setups, Programmable Logic Controller etc.

The department often organizes programmes to visit all Power Stations for students to get training.



Department of
**B.E. - ELECTRICAL AND
ELECTRONICS ENGINEERING
M.E. - POWER SYSTEMS
ENGINEERING**

➤ Heptic Research Activities are progressing in the department in the areas of Solar, Wind Power generations etc.

The department organizes National conferences / Seminars on latest topics of Power Engineering such as Renewable Energy Sources, Gas Turbine Power Generation, Solar Power Generation, Distributed Generation System (DGS), Energy Auditing & Power Quality Control etc.

The faculty have been publishing research papers in International Journals such as Elsevier, IEEE etc. / National Journals Conferences. The prototype model of conventional as well as renewable power generation setups made by our students was well appreciated by all eminent visitors and published in News Papers.

Our EEE Students were Placed in Various Companies and other MNC's they got 80% Placement Record.



Department of **MARINE ENGINEERING**

➤ This department was started with the aim of enhancing the job opportunities and providing more seafarers to the Marine Industry, BE Marine Engineering Degree course is being conducted since 1997.

We are proud to state that our Mohamed Sathak Engineering College is the First College in Tamil Nadu to begin with Four years BE Marine Engineering Degree course. The cadets after graduation will be able to join as Fifth Engineers on board ships.



Department of **MARINE ENGINEERING**



➤ This Degree course is Affiliated to Anna University, Chennai, ISO accredited by TUV SUD with ISO 9001:2008 and approved by AICTE and Directorate General of Shipping (DGS), Ministry of shipping, Government of India.

Ship – in – Campus:

In order to mould the Marine Engineering cadets to face internationally challenging carrier at sea and to enhance their practical knowledge on operation and maintenance of ship, one semester is fully utilized in our Ship-in-campus (approved by DGS) to meet international standards on Training, certification and watch-keeping as per International Maritime organizations norms. Ship-in-Campus consists of all machinery in operational condition like a Merchant ship and was constructed under the supervision of Department of ocean Engineering and Naval Architecture, IIT, Kharagpur.

This is the first of its kind in India. The special features of Ship - in - Campus are a main Engine of 3500 BHP, Two generators with 125 KVA each, Boiler, Emergency Generator, Purifier, steering Gear, incinerator, various types of pumps etc. The salient features of the department are the following fully fledged highly sophisticated cutting edge technological laboratories.

Marine Machine Lab:

Cadets are dismantling all marine machinery and their component parts in order to develop hands on experience and competency levels. It covers a wide range of Marine machinery like Auxiliary Engine, Cargo pumps, Purifier, Globe valve, Air compressor, Boilers, Fire& General Service pump, Incinerator, Bilge pumps, Main Engine crank shaft and other components.

Fire Fighting laboratories:

A special laboratory highly equipped with Modern Fire Fighting equipment to extinguish on board fires. It consists of equipment and sensors. Such as Fireman's outfit, Caba sets and all types of extinguishers.

The department often organizes National Level Conferences / Workshop on latest topics and Guest Lecture programme on advanced topics by visiting experts. A two Zone fire Alarm system with all accessories is installed in the Ship-in-Campus.

Department of
**B.E. - MECHANICAL
ENGINEERING
M.E. - THERMAL
ENGINEERING**



The Mechanical Engineering Department was started in the year 1984. This department offers BE in Mechanical Engineering and M.E. in Thermal Engineering. The department has well qualified and experienced faculty members both from Industries and Academics.

The department has been producing constantly rank holders at the University level. There is a separate Department Library with large collection of volumes of books and scientific journals.

The department is maintaining more than eight laboratories such as Engineering Practices Lab (with equipment for Welding, Foundry systems, grinders etc), Manufacturing Lab includes all types of Lathes, Milling machines, drilling machines, shaping machines, planner, Grinding machines etc,. CAD - CAM Lab with drafting software, modeling software, systems S/W & CNC machines, Dynamics Lab with cam Analyzer, Gyroscopes, whirling of shaft apparatus, balancing machines, Kinematic models, Vibration testing arrangement etc.,

Thermal Engineering Lab with Diesel engines, Petrol engines, Model steam power plant with steam boiler and turbine setup etc.

Heat Transfer Lab with convection cylinder apparatus, Pin-fin, Stefan – Boltzmann apparatus, heat exchanger apparatus, Reciprocating air compressor, Refrigeration / Air-conditioning test rig etc.



Department of
**B.E. - MECHANICAL
ENGINEERING
M.E. - THERMAL
ENGINEERING**

➤ Metrology and measurement Lab includes Vernier gauges, floating carriage Micro meter, Mechanical/ Electrical/Pneumatic comparator, Autocollimator, Temperature / Displacement / Force / Torque / Vibration / Shock Measuring set ups etc.,

Mechatronics Lab is equipped with Pneumatic Trainer kit with controls, PLC, Hydraulic trainer kit, μ -controller with stepper motor control unit, Flow rate, direction, speed, velocity and force setups etc.,



The department constantly maintains its best position with respect to pass percentage and student rank holders in Anna University Examination in this Zone. The department organizes National Level Conferences / Workshops / Seminars on various advanced topics. Two of the faculties are Ph.D. degree holders and most of the others are pursuing their Ph.D programmes.

The staff members are constantly publishing research papers at the National / International journals. The students of Mechanical Engineering are participating in the other college paper presentation competitions and bring laurels to the department. The students are well placed in reputed companies every year through on - campus and off - campus drives.



Department of **CHEMICAL ENGINEERING** (B.Tech. / M.Tech.)



➤ The Department of Chemical Engineering was established in 1996 in MSEC, which is the first institute among self financing colleges in Tamil Nadu which started this specialization at undergraduate level. It is one of the well established departments with strong and well knit faculties, good department library with relevant books and excellent laboratory facilities. Three faculty members are possessing Ph.D degree and the remaining faculty are pursuing their Ph.D programmes.

The B.Tech. in Chemical Engineering is a focused programme designed to have the balanced version of theoretical knowledge and practical knowhow in the fields of Basic Science, Physics, material science, chemistry, chemical engineering process and control system, Industrial manufacturing etc to solve industrial related chemical problems.

The faculty and students are publishing their research oriented papers in National / International journals and conferences which add additional credit to the Department. The Department organizes through its Chemical Engineering Students Association (CESA) several students level Conferences / Seminars on latest / practical / research oriented topics and also arranges technical lectures by eminent personalities from Industries, NIT, IIT etc.,



Department of CHEMICAL ENGINEERING (B.Tech. / M.Tech.)

➤ Every year, this department produces rank holders at the Anna University level including Silver & Bronze Medalists, and Maintaining best position with respect to pass percentage in this region of Anna University, Chennai.

The department has cutting edge laboratories such as Mass Transfer lab, Chemical Reaction Engineering lab, Mechanical Operation lab, Technical analysis and instrumentation lab, Process control lab etc.

All the equipment / instruments are available in the labs as per syllabus which include the following also: Steam Distillation, Bubble Cap Distillation Column, Batch Crystallizer, Isothermal Batch Reactor, RTD studies in CSTR, Ball Mill, Cyclone Separator, Digital PH meters, Calorie Meter, Two Tank interacting, Non-interacting Systems, PLC trainer, Cascade Control Trainer Flow, Temperature, Level and Pressure control trainer, Pneumatic Controllers.

The students who successfully complete B.Tech Chemical Engineering will be employed in oil and refinery, fertilizers, paints, chemical, biotech, food industries, pharmaceutical, manufacturing industries in India and outside India. The Alumni are well placed in all top level Organizations.

This department is offering M.Tech Chemical Engineering also.



Department of **INFORMATION TECHNOLOGY**



The Department was started in 1999 with the Programmes in B.Tech. has well qualified and experienced faculty. Two of them are pursuing their Ph.D.

The Department has well maintained and conditioned software labs powered by DELL and Pentium systems of latest configuration with 24 hours internet facility and Wi-Fi connectivity across the campus.



Department of INFORMATION TECHNOLOGY

➤ All the labs are well equipped with modern facilities / utilities. The department has own local area network. The computer labs are equipped with 150 systems, 2 servers of Core-2-Quad processor with speed of 2GHZ and 8GB RAM with Uninterrupted power supply of 5 on line UPS of 10 KVA.

The Department Laboratories are Operating Systems Lab, Networks Lab, Data Structure Lab, communication Lab etc. The computers are of type Dell optiplex 760 Intel core 2 Quad processor with Linux / Windows XP / Thin client and software. The Software open office, C, C++ compiler, JAVA, SQL Plus, Netbeans IDE, VB, N/W frame work clobarina.

The Alumni of the Department are well placed in various National / International I.T. companies. Every year more than 80% of the outgoing students are placed well through on campus placement.

The department organizes every year two National level conferences / Seminars on the advanced topics of Information Technology. The students of I.T. department used to take part in the technical competitions conducted in other institutions and bring rewards and awards to the Department



Department of ARCHITECTURE



Mohamed Sathak Engineering College was the first among self financing colleges in Tamil Nadu which started architecture Programme at the Bachelor degree level. Mohamed Sathak School of Architecture (MSSA) was established in the year 1993 with the aim of producing thorough - bred professional architects. An architect needs to possess all aspects of modern building technology to combine aesthetic look and functional comfort to suit the needs of the individual and community.

A talented team of professional teachers with Ph.D, Post graduate qualifications in architecture and practicing architects prepare our students to face challenges of the industry with close coordination with the local chapter and centre of the Indian Institute of Architects.



Mohamed Sathak School of Architecture is well approved by the Council of Architecture, New Delhi and AICTE and affiliated to Anna University, Chennai. The courses and education in MSSA are guided by the Council of Architecture (CoA).

Mohamed Sathak School of Architecture is the one of the Architectural institutes Headed by Ph.D degree holder as full time faculty in the department of Architecture. In addition, more than 12 faculties are possessing M.Arch / M.Plan degree who are giving best teaching and training to our students.

Department of ARCHITECTURE



> The Renowned architect Prof. Harris is our advisor who is leading / guiding us in the right path for the development and upliftment of the Mohamed Sathak School of Architecture. Quite often, experts in the field of Architecture, Eminent Professors, Dean of Universities visit our college to guide, motivate and expose latest / advanced tech and also make the students understand the evaluation process.

The students take part in National Association of Students of Architecture (NASA) and state level Zonal NASA once in a year. They also attend competitions of interschool of Architecture, carry out a minimum of two case – studies per semester in Real situations, undertake optional educational all India tours and get exposed to the practical developments in the area of Modern / Vernacular Architecture.

During the 4th year, the students Internship programme for gaining practical knowledge from the experienced practising architects. In the fifth year, the students are exposed to industrial environment to work on specific project under a senior professional architect and accomplish the work with the Submission of a thesis.

The speciality of MSSA is its Alumni who are well employed in reputed Architectural organizations all over the world, which help our outgoing students for employments and guidance.

MSSA is producing rank holders at the Anna University level every year including Gold Medalists. The position of MSSA in the rank list with respect to the percentage of pass as announced by the Anna University is well appreciated and the creations of our students in the form of practical models / computer aided designs with innovative ideas / pictures on chart papers are being well appreciated by all. It is worthwhile to mention here that the final semester course project of our student got National award recently.

Every year, a minimum of two National level / State level conferences / Seminars are being conducted in MSSA by inviting architectural students from other institutions to share the innovative ideas in the field of architecture on our platform. The conferences are being conducted in the presence of eminent Professors, Deans of Architectural Institutions and Scholarly Architects who adjudge the programmes with their valuable comments.

Department of **BUSINESS ADMINISTRATION**



The aim of establishing MBA Department was to impart vibrant, innovative and global education in the field of Marketing / Finance / Human Resources / and Systems to the students of MBA to make them best executives / administrators / managers.

The department always brings industrial and commercial experts to the class rooms in order to fill the gap between Industry and Institute education. The department organizes Soft Skills programmes, Industry visits / live projects and summer and mid annual Training, Pre placement Workshops, Alumni meet etc., to train the students to become best in the placement market.

The class rooms are spacious and well furnished with the comfort by Air-Conditioners. The latest Audio visual aids and multi-media technology enables the faculty to have interactive sessions of Teaching and discussions with the students. The department has a library, fully air-conditioned Seminar Hall with a seating capacity of 200 people with Audio visual system and state of art computer Labs.

The Department maintains its best position regarding good pass percentage at the Anna University Examinations and students academic rank holders.

The faculty are the main strength of department with diverse knowledge and academic proficiency in teaching, Research and consultancy. The department often organizes special lectures and skills development programme by inviting visiting experts from the industries and top level academic institutions to train and motivate the students to improve their. Interpersonal Communication, Listening, positive attitude, Team Building, Analytical reasoning, Critical and Lateral thinking, Negotiation etc.,

The department every year maintains 100% placement through on-campus and off- campus activities. The faculty and students are involved in publishing their research contributions in the National / International level conferences / journals. The Industry Interface Programme, the Mentor Programme, Alumni meet etc are progressing well.



Department of COMPUTER APPLICATION



➤ Master of Computer Applications (MCA) Department was started in the academic year 1993-94. The department has well experienced and highly qualified faculty members with different specialization of computer Applications. Most of the faculty are possessing M.E / M.Tech in Information Technology / Computer Science and are pursuing with their Ph.D. programme.

The department has well equipped Laboratories with latest highly configured computer Systems and structured cabling arrangements.

The laboratory courses such as DBMS, Data Structures and algorithm, Object Oriented Programming, Web Programming, Graphic and Multi-Media, Internet Programming, Visual Programming, Software Development, Network Programming, Software Development, Network Programming are conducted in the laboratories of the department. The department motivates the students and staff to promote Industry Institute Interaction and R & D activities.

The department always maintains cent percent results in the Anna University examinations and produces University Rank holders every year. In addition to organizing National Level Conferences / Seminars, eminent visiting experts in the field of Computer Application are invited to encourage the students to Improve their technical and Soft Skills. Every year Students of MCA bring on an average of 50 prizes for their best presentations in the Paper Presentation competitions held in other institutions.

The students of this department are highly placed in the industrial segments and in Trade / Commercial / Corporate organizations in India and abroad. The department has a independent library for the use of Faculty and Students.



Department of APPLIED SCIENCE AND HUMANITIES



Department of Chemistry

This department was established in the year 1984, The department has qualified and dedicated faculty headed by a professor possessing Ph.D degree in Chemistry. There are more than 4 faculties possessing Ph.D degree who guide the internal faculties and external scholars for their Ph.D programme.

The department has a well equipped chemistry laboratory to conduct Engineering chemistry Lab for I & II semester B.E / B.Tech courses. This lab is also useful for Marine Engineering and Chemical Engineering. The valuable instruments such as digital potentiometer, PH meter, conductivity meter, Abbey refract meter, muffle furnace, Hot air oven, spectrophotometer, Flame photometer, water distillation unit, Turbidity meter, digital chemical balance etc., are available with the chemistry lab which are in condition and well utilized by the students for studies and staff for their research work.

The department faculties are involved in testing and consultancy work in the areas such as Water / Waste water, Metals / Minerals / Alloys, oils / soaps, soil test etc., The department is involved in the R & D projects also at present, they are working on the DST project with the title synthesis of Antitumor, active pyrimidine derivatives ligands and its cu, zn, pt and Au complexes.

Department of English

The Department of English was started in the year 1984 along with the college. The department plays a vital role in developing Communication Skills among students. The department has well experienced, dedicated and meritorious faculty members with one faculty possessing Ph.D degree in English literature.

The Language Lab in the English Department has been amplified to assist students in developing effective communication skills. For this purpose, the lab has equipped with Globarena Software so that they can enrich their pronunciation, vocabulary, fluency and other soft skills.

In view of improving the Communication Skills, the labs possess 60 Computers with headsets and LCD TV is placed for visual presentation.

The department also conducts a special course on English as prescribed by Shakespeare Institute of English, Chennai to train the students who used to achieve Excellency Award in English language at state level.

Department of **APPLIED SCIENCE AND HUMANITIES**



> Department of Physics

The department was established in 1984. The department has highly qualified, experienced and dedicated faculty members in various specialized areas of physics. One of the faculties has completed his Ph.D. in Nano – materials and few are pursuing Ph.D.

The department has well established laboratories for conducting Engineering physics lab for I & II semesters of B.E / B.Tech courses.

The Lab has got all apparatus and equipments, which includes major equipments such as ultrasonic interferometer, He- Ne Laser, optical fiber Numerical aperture determination apparatus, magnetic hysteresis determination apparatus, Band gap determination Apparatus, Hall probe and gauss meter etc.,

Faculties are actively involved in various research activities in the field of Material Science. The research lab attached to this department has facilities for synthesizing thin films and Nano materials through chemical route.

The department used to conduct National level Seminars / Conferences on latest topics in the field of Physics such as Nano Materials, Material Science, Optical Fiber etc.,

Department of Mathematics

The Department of Mathematics highlights the interdisciplinary and multi-disciplinary nature of the college. Well qualified, dedicated and experienced faculties are in the department who are not only teaching but also involved in Research activities. Out of 15 faculties in the Department, more than three possess Ph.D. degree and few of them are pursuing with their Ph.D programme in different topics of mathematics.

The department motivates the students in addition to regular teaching as per syllabus, through technical quiz, Puzzles, paper presentation etc, to encourage and train them in the intra & inter colleges competitions.

The department every year organizes one or two Seminars / Conferences on Emerging topics of mathematics. The faculty in Department of mathematics this year published 22 Research papers in the International journals. They also attend conferences, Seminars, Workshops and Faculty Development Programmes in order to acquire more knowledge in learning / teaching process.

CENTRAL LIBRARY

- ☐ Open Access System for all students & staff.
- ☐ Dewey Decimal Classification System.
- ☐ Bar-Code based Issue / Return facility.
- ☐ Intranet based Online Public Access Catalogue(OPAC) facility.
- ☐ Internet Access Facility.
- ☐ Online e-journal access facility.
- ☐ Digital Library Initiatives.
- ☐ Institutional Membership of British Council Library, IIT Chennai, DELNET.
- ☐ Online Public Access Catalogue facility Book bank facility for SC / ST students
- ☐ Reprographics facility
- ☐ No. of International Journals: 60, National Journals: 160, Magazines: 50, Volumes: Over 1,00,000



The Central Library of Mohamed Sathak Engineering College was established in 1984. The main objective of the Central library is to support the educational & research programmes of the Institute by providing physical & intellectual access to information, consistent with the recent & the anticipated educational & research functions of the institute.

The Central Library consists of Reference Section, Journal Section, Reading Hall, Stack - Room, Digital Library etc. The library has unique Collection of Encyclopedia, Handbooks, Textbooks, Journals, Video Cassettes and CDs. etc. The library is fully automated. It consists of modules of Acquisitions, Cataloguing, Circulation, Serial Control, and Article Indexing & OPAC. Circulation system of books is based on Barcode.

MSEC Central Library is part of the inter-library loan system to share resources with other libraries and is a member of the British Council Library, IIT Chennai and DELNET.



SPORTS & GAMES



➤ Besides the academic activities, Students would like to gather attention and focused on their fitness. Sports activities help the students to keep them fit both mentally and physically.

The institution provides abundant facilities for the students to get accustomed with the varied sports activities like Basket Ball, Football, Hockey, Cricket, Ball-badminton, Kabbadi, Athletics, Volley Ball and indoor games like Badminton, Chess, Carom, Table Tennis and Weight-lifting.

Anna University has conducted 16th Zonal Level Sports competition at MSEC, Kilakarai on 11.09.2017. There were 21 engineering colleges participated. In that MSEC team won 1st prize with Gold Medal.

Among 36 Engineering colleges, our college team won 1st prize Gold Medal over all championship the 16th Zonal Level sports competition conducted at Mount Zion Engineering College, Pudukottai on 13.10.2017

Our college competed with 12 teams and won 3rd prize with, Bronze Medal in the State Level Flood Light Football tournament, held on 29.12.2017 in Sathankulam.

18 colleges were participated in the state level men Volley Ball tournament, in that our college team won 3rd prize with bronze medal which was held on 09.10.2017 at SAEC, Ramanathapuram.

In the District Level CM Trophy 24 teams were participated in Seethakathi Stadium on 15.12.2017. In that our college team won 3rd prize with Silver Medal.

Our college team won 1st prize Gold Medal in the District Level CM Trophy Kabaddi, in which 26 teams were participated which was held on 15.12.2017 at Seethakathi Stadium, Ramanathapuram.

In the District Level CM Trophy Table Tennis Men 6 teams were participated on 15.12.2017 at Seethakathi Stadium, Ramanathapuram. In that our MSEC team won 1st prize, Gold Medal.

16 teams were participated in the District Level Pongal Foot Ball tournament 5 on 15.01.2018 at Raja Hr. Sec. School, Ramanathapuram our MSEC team won 3rd prize, Bronze Medal.

Mr. A. Janarthanan from Final Year Civil won Gold Medal in the State Level Weight Lifting Competition conducted in Chennai on 15.02.2018. In 72 Whieght Category and Qualified All India Weight Lifting Competition Ranji.

Among the 7 teams participated in the State Level Staff Men Volley Ball Tournament, our college team won 1st prize, Gold Medal which was held at SAEC Ramanathapuram.

In the District Level Beach Kabaddi Tournament which held on 16.02.2018 at Ariyaman Beach Ramnad, there were 18 teams were participated. In that our college team won 3rd prize Bronze Medal.

Mr. M. Arunkumar from 2nd Year ECE won Bronze Medal in the District Level Beach Games at Ariyaman Beach, on 16.02.2018 in Ramanathapuram. Our college team won 3rd prize with Bronze Medal.

Our college Team won 1st place in the Ramnad District Foot Ball Association in the I Division Leque in 2017-2018 held at Seethakathi Stadium, Ramnad.

TRAINING & PLACEMENT

CORPORATE EXPECTATION AND COMMITMENT:

Today's corporate needs thinking, flexible, proactive workers. They need creative problem solvers, smart workers and skilled enough to move with new technologies and with the ever-changing competitive environment. They need workers accustomed to collaborate with co-workers to participate in quality circles, to deal with people high and low. Communication skills and interpersonal skills should be the necessary skills of the modern workers.

We are committed to meet the above expectations, as we understand the needs well. How we learn and how we teach are changing fast and drastically according to the developments in the industrial sectors, both software and manufacturing, as we want to keep pace with the fast developing world and offer the best of the human resources to the corporate and industry and in-turn make a better Nation.

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TRAINING AND PLACEMENT OFFICE:

A full fledged Training & Placement office, we aimed at placing students in various National and Multi-National Companies.

The Placement Committee consists of Training and Placement Officer and Placement Coordinators of various departments, which coordinates with student representatives, works as a team to prepare the students for the corporate expectations and to invite corporate sectors to conduct on campus and joint campus selection process at our college.

TRAINING & PLACEMENT

➤ TRAINING & DEVELOPMENT:

To fulfill the ever growing corporate needs and expectations from the students. Training and development is becoming inevitable and the result is quite evident. Considering the fact in mind, we conduct training & development programmes not only for soft skills and aptitude skills but we also give due importance for communication skills and technical skills development according to the latest trends and fast growing competitive world needs.

As a result of our continuous efforts and good performance student get very good career opportunity in various corporate.

STRENGTH OF PLACEMENT OFFICE:

To conduct the campus selection process and joint campus selection programs successfully to the satisfaction of the corporate and participating colleges and to conduct various corporate training programs & seminars the placement office is strengthened with the following infrastructure facilities

- ☐ Conference Hall to conduct the corporate meets, high-level meeting and discussions.
- ☐ Seminar Hall to conduct corporate training programs & seminars for both students and faculty wherein we can accommodate 100 members comfortably
- ☐ Auditorium with the LCD, mike & speaker facilities, to conduct the campus selection and joint campus selection programs successfully.
- ☐ LAN & High speed network facility to conduct the online campus selection. Mohamed Sathak Engineering College has a fleet of buses, the services of which can be utilized to enable the students and parents to reach our campus in time at the time of joint campus / off-campus selection process involving a number of colleges in and around the city.

INDUSTRY INSTITUTION INTERACTION :

As regards Industry-Department interaction, several industrial visits have been organized for the students to understand industry practices, skills demands, management practices industry expectations and market opportunities Such Industry – Institute Interaction has kept the faculty and students abreast with advances in technology and helped the students to meet the competitive standards of the industry.

Given below is the list of corporate which have visited out college to recruit the talent pool of our institution/gave opportunities for our students.

CAMPUS LIFE

➤ Mohamed Sathak Engineering College campus offers students a vibrant and an attractive setting for their studies and symbolizes the will of the institute to be avant grade in its approach towards education.

Well-equipped classrooms designed to incorporate nature's 'free services' and fitted with LCD projectors make learning a stress-free and enjoyable experience. Laboratories, tutorial rooms, seminar halls, administrative blocks, Library, and designated areas for sports and Student recreation ensure that all educational infrastructure needs are kept for the students welfare.



Hostel Facilities

Full-fledged hostel facilities for boys & girls students have been established inside the campus. It also provides good and safe facilities of lodging and boarding to cater to the needs of outstation students. It has sophisticated facilities with STD, ISD, Gymnasium, a reading room and a computer room. The students are monitored with their well being by an efficient and qualified custodian.

Dinning

The college hostel has hygienic steam cooking kitchen facilities to provide healthy and nutritious Vegetarian and Non-vegetarian food. The hostel has a large dinning hall to accommodate more than 200 students at a time.



CAMPUS LIFE



- ❑ Mineral water is supplied in the hostels for drinking purposes.
- ❑ Hostel is provided with a spacious dining hall with adequate and comfortable furniture and kitchen with Steam Cooking facilities.
- ❑ Uninterrupted supply of water and electricity.
- ❑ Hostel is supplied with an English News Papers everyday to improve their reading habits and General Knowledge
- ❑ Hostel is provided with recreation halls for Television viewing.
- ❑ Assistant Wardens are available for consultation and guidance for the benefit of the students.

Gymnasium

Our college gymnasium is equipped with a number of latest single and multi-station machines, weight training accessories, treadmills etc.

Cafeteria

Cafeteria of the college is a two-storied building which kindles the taste sense and caters to the hunger needs of Guests, Inmates, Visitors, Staff & Students. It can accommodate 200 members to dine at a time. The cafeteria offers a wide medley of hygienic, nutritious South Indian Vegetarian and Non-vegetarian wholesome edible food. Arrangement has been made for the boys & girls to dine separately.

Transport

The college has a fleet of 30 buses to transport students and staff from various parts of the city and its neighborhood areas to the college and back home. Every student is expected to avail the transport facility to enable him/her to be punctual to come to the college.

CAMPUS LIFE

> Co-Curricular Activities

ISTE Chapter

All the faculty members of MSEC are ISTE members. Activities include lectures by faculty & guests, seminars and programmes sponsored by AICTE-ISTE.

IEEE Student Branch

IEEE organizes seminars for the students on the latest developments in various fields, imparts training to interested students and encourages them to publish in leading journals & magazines.

IEI Student Chapter

IEI organizes seminars for the students on the latest developments in various fields, imparts training to interested students and encourages them to publish in leading journals & magazines

Technical Associations

Every year students of each Department organize a National Level Technical symposium. A Technical Magazine is also released by each Department, which is prepared and published by the students



CAMPUS LIFE

Doctor on Campus and First Aid

Sick Room Facility is available on campus. The Institute has tied up with TOPSLINE emergency response services for 24x7 medical support facilities. In case of an emergency, medical help is provided by an ambulance consisting of a paramedic officer with essential life saving equipment. If necessary, the patient is taken to the nearest hospital for further treatment. First aid boxes are available at various locations all over the campus.

Reading Hall

Wi-Fi enabled and air-conditioned Reading hall, where students can utilize desktops, iPods and tablets for net surfing. A cosy reading room for serious and referenced based reading

Library

A well-stocked library with the latest prescribed text and reference books, self improvement literature, CDs, NPTEL Video Lectures, national and international technical journals, magazines and E-Resources.

Computer Centre

Computer Centre for students houses a virtualized setup with IBM servers providing 32 Cores and 96GB of RAM, for day to day management of over 7500 students and staff at the Campus. A firewall that allows access to only authorized users based on the access level. This also provides IDs and virus protection to the Campus systems. The Institute has Internet from three separate service providers with automatic load balancing to ensure 365 days service availability. Institute has a dedicated laboratory that allows students and faculty to work on Windows OS as well for the projects and creating digital content.



CAMPUS LIFE

Security

Campus security arrangements ensure that safety measures and adequate precautions are taken to secure the inmates. Closed circuit TV cameras have been installed at strategic locations on the campus and the security personnel are trained to handle emergencies. The campus is monitored by two security officers and more than 40 security guards all-round the day and night.

Bank and ATM

Our bank the City Union Bank is situated in a sophisticated building within the campus with an ATM facility. Staff and students for transactional all days.

Reverse Osmosis Plant

The Reverse Osmosis Plant is installed in the students amenities centre caters to the drinking water needs of all the Students, Teachers, supporting Staff and the Visitors. The raw water with an average Total Dissolved Solids [TDS] of 1800-2000 ppm is treated to reduce the TDS content to less than 100 ppm the generally acceptable upper limit of the TDS

This is done in Three stages, namely Pretreatment, passage of the water through 6 RO membrane filters held in parallel to each other and Post treatment. The maximum capacity of the plant is 2000 litres per hour. The utilized capacity is 1000 lit/hr potable water. This water is Pure, Tasty and Hygienic rendering it highly suitable for human consumption.

The rejected water from the plant is used for gardening and washing purposes. This plant not only facilitates the supply of safe drinking water but also obviates huge expenditure for procuring drinking water for the large number of people in the campus. Now the institution can be liberal in the provision of our own made RO water.

Trust scholarship

Trust scholarship is provided to the students based on their academic records and financial background.



CAMPUS LIFE

> Alumni Association

MSEC Alumni Association was formally inaugurated in the year of 2008 which had its first batch with an intention to bridge the gap between Alumni and the institution for the mutual benefit. Alumni Association is administered by an Alumni Committee. The alumni association is very active in promoting interactions and camaraderie among the alumni, staff and the management. Besides helping the alumni in all possible ways, it also lends its support to the college to achieve its cherished goals, its vision and mission.

Alumni association of the Department has been playing a vital role in developing the student's knowledge. An interaction program between the alumni and the current year students is being conducted every year. During this program career guidance towards the Employability of students are discussed. Apart from Various technical skills desired by the employer at different domains, are also discussed for the benefit of the students. The profile of the company in which the alumni's working is also well discussed for helping the students.

Parent Teacher Association

One of the objectives of the Parent Teacher Association (PTA) is to promote a sense of partnership between parents and teachers for the benefit of the students. The parent-teacher groups support the college, teachers and encourage parent involvement in the activities of the institution. General as well as departmental PTA meetings are conducted periodically to evaluate the effectiveness of the academic activities of the students. The Committee meets once a month and the General body meets annually. The members of this Association are actively involved in all the activities of the College. After internal examinations, the parents are appraised about the progress of their wards through class-wise PTA meetings.



CAMPUS LIFE

YRC

The Indian Red Cross is a voluntary humanitarian organization having a network of over 700 branches throughout the country, providing relief in times of disasters/emergencies and promotes health & care of the vulnerable people and communities. It is a leading member of the largest independent humanitarian organization in the world, the International Red Cross & Red Crescent Movement. IRCS has partnership with MultiNational firms, individuals and with Indian Government and other agencies (UNDP, WHO). The Mission of the Indian Red Cross is to inspire, encourage and initiate at all times all forms of humanitarian activities so that human suffering can be minimized and even prevented and thus contribute to creating more congenial climate for peace.

NSS

National Service Scheme (NSS) is a permanent youth programme under the Ministry of Youth Affairs and Sports, Government of India and funded by Government of Tamil Nadu and Government of India in the ratio of 5:7. Personality development of students through Community Service. The motto of NSS is “NOT ME BUT YOU”. It underlines that the welfare of an individual is ultimately dependent on the welfare of the society as a whole. This expresses the essence of democratic living and upholds the need of selfless service and appreciation of the other man’s point of view and also consideration for fellow human beings. The NSS symbol is based on the “Rath Wheel” of the Konark Sun Temple of Orissa. The giant wheel portrays the cycles of creation, preservation and release and signifies the movement in life across time and space. The design of the symbol, a simplified form of Sun Chariot Wheel primarily depicts movement. The wheel signifies the progressive cycle of life. It also stands for dynamism and progressive outlook of youth.

RRC

Red Ribbon Club is a movement started by the Government of India in schools and colleges through which, students will spread awareness over HIV / AIDS. It envisages to instil charity mind among all the students to extend their able help towards developing healthy life styles, donating blood to all the needy by promotion of Regular voluntary blood donation.



CAMPUS LIFE

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➤ MOU SIGNED

- ☐ Cisco Networking Academy, Chennai
- ☐ Oracle Academy
- ☐ TCS ion, Chennai
- ☐ ICT Academy of Tamilnadu(ICTACT)
- ☐ EMC 2
- ☐ IIT Bombay Spoken Tutorial
- ☐ Cloud Bull, Chennai
- ☐ Banyan Technology Solutions , Chennai
- ☐ Spark Infotech Pvt Ltd , Chennai
- ☐ Eminent Technologies Pvt Ltd , Madurai.
- ☐ Kalvi Higher Education and Research Training Institute Pvt Ltd , Madurai.
- ☐ Casablanca Shipping Private Limited
- ☐ Nams Ship Management Pvt.Ltd.,
- ☐ Kushi Beach.
- ☐ VI Microsystems Chennai

VISITORS' BOOK

Venu Srinivasan
Director, TVS, Limited



Thank you very much for your kindness and hospitality. May God bless your endeavors.

Venu Srinivasan

Shiny Wilson
Athlete



I am very happy to be here. Wish you all good luck.

Shiny Wilson

Shiny Wilson
Olympian

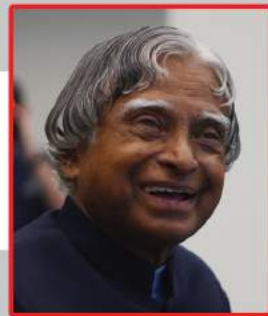
Dr. M. S. Ananth
Director, IIT, Madras



Very agreeable. Students appear to be very happy with the college & facilities. Management is concerned & interested in student welfare. Wish the college all the best.

M. S. Ananth

Dr. APJ Abdul Kalam
Hon. Ex. President of India



George. Mohamed Saitan Enayy College

My best wishes

for your contribution to Engg.

APJ. PS. Kalam

20/1/05

Shakeel Akhter IPS
Additional DGP, Armed Police, Chennai



Today visited college on the occasion of APJ Abdul Kalam's 80th birth anniversary. Highly impressed with the campus & facilities. Wishing management all the best.

Good Luck!

Shakeel Akhter

26.12.17

Mr. H. Devaraj
Vice Chairman UGC



I am happy to visit this college for the 100th anniversary celebrations.

This college has got all facilities and facilities. Wish them all the best.

Best wishes for the future years to become a university.

H. Devaraj

8/13/17

Mr. Prabhat Kumar
Chairman & MD, BNVN Ltd., Chennai.



Congratulations for great achievement, excellent results in many disciplines of engineering and management and extremely dedicated faculty. I must congratulate the Chairman, Secretary, Principal & all the entire management team. The graduation function was grand with exemplary discipline. I enjoyed being here and am enriched with professional knowledge. Wish them all the best.

Jennifer McIntyre
US Consul General



What a joy talking with your students! I loved my day at the college. Happy Foundation Day!

VISITORS' BOOK

Mr. Hidehary Hyodo

Japanese Language Advisor, KC Consulting Services, Chennai.



Prof. M. P. Poonia

Vice Chairman, AICTE



MyIswamy Annadurai
Director, ISRO, Bangalore



I am happy
to participate in
Isro's Diamond
Event
to. *[Signature]*

Dr. SV Sharma
Deputy Director, ISRO, Bangalore



Excellent
college.
Excellent function.
All the best!
[Signature]

Capt Vishal Roy
Stak on Commander, INS Parundu



Honoured to have
been invited to
this prestigious
college. Wishing
the Staff & Students
the very best.
Sain Hind!
[Signature]

Dr. K. Baskar
VC, MSU, Tirunelveli



Enthusiastic
faculty member
with a vision
to bring this
institution into
greater heights.
My best wishes
[Signature]

Dr. B. Durga Prasad
Professor & Head, Dept. Mchanical Engg.,
JNTUA College of Engg., Anantapur.



I visited Mohamed Sathak Engg. College,
Kilakarai on 22 Jan 2018 as chief guest,
and I am very happy with dynamic principal
Dr. J. Abbas, very good infrastructural, academic
and administrative activities. I wish all success
in future endeavours.
B. Durga Prasad

先生の御来校
環境の素晴らし
さで、素朴な
先生や生徒の
笑顔と幸福の時
間を過ごした。
代表 秀長
Hyodo Hidehary

Visited the Institute
on 27/08/17 for
Graduation Day.
Had great experience
with amazing team
of talented teachers,
good humanism in
management and
disciplined
students.
Management is
doing very good work in
same area. Many of the
girls students awarded with
medals. The vision of the
Institute is clear. I pray
for the whole Mahamed
Sathak family that they
touch new heights in time
to come. Bless them
[Signature]

COLLEGE GALLERY



COLLEGE GALLERY



GROUP OF INSTITUTIONS

MOHAMED SATHAK GROUP OF INSTITUTIONS

Mohamed Sathak Trust

6/1, Pycrofts Garden Road, I Floor, Chennai 600 006, Ph: (044) 2833 4989 / 90

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INSTITUTIONS AT CHENNAI

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| MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING 34, Rajiv Gandhi Salai IT Highway, Siruseri, Chennai - 603 103. Ph: (044) 2747 0021, 23,24,25,26, Fax: 2747 0022 web: msajce-edu.in | MOHAMED SATHAK A.J. COLLEGE OF ENGINEERING 34, Rajiv Gandhi Salai IT Highway, Siruseri, Chennai - 603 103. Ph: (044) 2747 0021, 23,24,25,26, Fax: 2747 0022 web: msajce-edu.in | MOHAMED SATHAK COLLEGE OF ARTS AND SCIENCE Sholinganallur, Chennai - 603 119. Ph: (044) 24501578, 24502577, Fax: 2450 1114 web: mscartsandscience-edu.in |
| MOHAMED SATHAK A.J. COLLEGE OF PHARMACY Sholinganallur, Chennai - 603 119. Ph : (044) 2450 2573, Fax: 2450 2572 web: msajcpharm-edu.in | MOHAMED SATHAK A.J. COLLEGE OF NURSING 34, Rajiv Gandhi Road (OMR), IT Highway, Siruseri, Egattur, Chennai - 603 103. Ph: 92449 03601, 92449 03604 web: msajcnursing-edu.in | MOHAMED SATHAK A.J. COLLEGE OF PHYSIOTHERAPY 144/1, Nungambakkam High Road, Chennai - 600 034. Ph: (044) 2833 4988 web: msajphysio-edu.in |
| MOHAMED SATHAK TEACHER TRAINING COLLEGE Old Mahabalipuram Road, Padur, Chennai - 603 103. Ph: (044) 2747 4160, Fax: (044) 2747 4388 web: msteacher-edu.in | MOHAMED SATHAK MATRIC. & HR. SEC. SCHOOL A-2A, MMDA Colony, Arumbakkam, Chennai - 600 106. Ph: (044) 2363 3336 web: mohamedsathakschool-edu.in | |

INSTITUTIONS AT KILAKARAI

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| MOHAMED SATHAK ENGINEERING COLLEGE East Coast Road, Kilakarai - 623 806. Ramanathapuram - Dist. Ph: 89390 15015, (04567) 241 327, 242 327 Fax: (04567) 245 344 web: msec.org.in | MOHAMED SATHAK POLYTECHNIC COLLEGE East Coast Road, Kilakarai - 623 806. Ramanathapuram - Dist. Ph: (04567) 241 392, 243 692, Fax: (04567) 244 928 web: mspckilakarai.com | SYED HAMEEDHA ARTS & SCIENCE COLLEGE East Coast Road, Kilakarai - 623 806. Ramanathapuram - Dist. Ph: (04567) 244 101, 244 102, Fax: (04567) 244 882 web: shartsandscience-edu.in |
| MOHAMED SATHAK I.T.I East Coast Road, Kilakarai - 623 806. Ramanathapuram - Dist. Ph: (04567) 244 931 | SYED HAMEEDHA ARABIC COLLEGE East Coast Road, Kilakarai - 623 806. Ramanathapuram - Dist. Ph: (04567) 241 957 web: syedhameedhaarabiccollege.com | |

INSTITUTIONS AT RAMANATHAPURAM

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| MOHAMED SATHAK KABEER PUBLIC SCHOOL (CBSE) Inside Collectorate Complex, Pattinamkathan (P.O), Ramanathapuram - 623 503. Ph: (04567) 232 015, Fax: (04567) 232 011 Email: principal2017@gmail.com | MOHAMED SATHAK DASTAGIR MATRIC. & HR. SEC. SCHOOL Inside Collectorate Complex, Pattinamkathan (P.O), Ramanathapuram - 623 503. Ph: (04567) 232 010, 232 013 Fax: (04567) 232 011 web: mohamedsathakschool-edu.in | MOHAMED SATHAK DASTAGIR TEACHER TRAINING COLLEGE Inside Collectorate Complex, Pattinamkathan (P.O), Ramanathapuram - 623 503. Ph: (04567) 231 223, 231 226 web: mohamedsathakbedramnad.com |
| MOHAMED SATHAK HAMID ARTS & SCIENCE COLLEGE FOR WOMEN * Sakarrakottai Village, Ramanathapuram | SITECH Ramanathapuram | |

ABOUT KILAKARAI

> Kilakarai was once a thriving maritime port during the medieval times. Traders from this coastal town went in ships to far off lands to do business with countries in the far east Asia and also as far as the Arabian peninsula. The men who made fortunes by crossing over the rough seas were also known for their philanthropy. Seethakathy, a great son of the soil, who lived in the 17th Century is known for his philanthropy, a trait which continues till this day among the natives. The town has a number of old mosques built centuries ago in the Dravidian Islamic Architectural style, an old church and also temples.

The College campus is located in an area of 107.3 acres as a single plot on both sides of East Coast Road (Kilakarai – Erwadi Road) at a distance of about 3 kilometers from Kilakarai town. It is situated about 16 kilometers from Ramanathapuram (District Head Quarters) in Tamil Nadu.

The College is well connected by road to the nearest Ramanathapuram Railway Station. The nearest Airport, Madurai, which is about 130 Kilometers away from the College campus is well connected by road and rail.

Rameswaram, the famous pilgrimage center is about 60 kilometers away from the College campus and Erwadi Dharga, another pilgrimage centre, is just 7 Kilometers away.





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