



MOHAMED SATHAK
ENGINEERING COLLEGE
KILAKARAI, RAMANATHAPURAM DIST.
Approved by AICTE, COA NewDelhi, DGS Mumbai, Affiliated to Anna University, Chennai.
(Sponsored by Mohamed Sathak Trust, Chennai - 06.)



Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

To realize the desired outcomes of qualitative learning, we have provided facilities for leveraging information technology. The college is offering UG & PG Programmes, Add-on, Certificate and Value added courses, to cater the needs of 1123 students in current academic session.

Institution caters to the needs of students and has excellent infrastructural facilities spread over 107 Acres of land with 46708 Sq.mts built up area.

The Institution raised its infrastructure facilities to 48 laboratories, 62 classrooms, 5 tutorial rooms, 5 Seminar Halls and 1 Auditorium which exceeds the requirements as per the SRA, AICTE guidelines. All the classrooms, seminar halls and many of the Laboratories are equipped with ICT facilities. All the laboratories have prescribed equipment as per Anna University Curriculum from basic tools to advanced research oriented equipment and are well maintained. Computer laboratories have up to-date PCs with installed licensed software as well as open source software. 2.62:1 Student Computer Ratio is being maintained in the institute.

All departments have their own library for references. The resources of each department are shared by all the other departments in case of necessity. MSEC has a Computer centre, comprising 11 computer labs with about 428 computers. All the departments make use of computer labs to conduct tests like online test, aptitude test and so on. Besides strong LMS system developed using ICT, the college also offers some classes on cloud computing.

Classroom Facilities: The Institution is provided with ventilated eco-friendly classroom facilities. The furniture in classrooms consists of bench and desk which can accommodate four members and for the individual, a fixed folded type chair and table. Each class is provided with black and green board and stage with a sufficient number of LED lights and BLDC fans. The Classrooms have LCD projector and Wi-Fi Connection for ICT Based Learning.

Laboratory Facilities: Institute has modern, state of the art, well - equipped laboratories with the latest equipment and required software for the entire programme. A separate storage facility is provided to store raw material and consumables. For safety first aid kit, rubber mats, earthing and fire-fighting equipment is installed. Labs are suitably designed to accommodate and run heavy machinery. In engineering & science laboratories, elaborative charts are available for teaching and learning activities including instructions about Do's and Don'ts' in the laboratory premises. Additional Experiments beyond the prescribed Anna University curriculum are carried out in most of the labs to fulfill the curriculum gaps. Multiple power supplies like UPS, ECO Genset and EB power are suitably provided for all the lab spaces.



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Computing Facilities: MSEC provides hi-configured computer facilities with state of the art computer lab and research centre. A high speed optical fibre network enables students to access a wide range of services across the campus including all computer labs. The Institute has 100 Mbps internet connectivity throughout the campus which facilitates the students to enhance their knowledge on par with industry requirements.

Library: Institution has a rich exclusive library. At present the total volumes in our library are 1,20,605. We receive 30 journals/periodicals, 1638 CDs for reference in various subjects. The institution has subscribed to many online journals through DELNET, INFLIBNET etc. Everyday a good number of students, faculty and research scholars make use of library for enrichment of their knowledge.

A separate Digital Library with 20 computers with high speed internet connectivity is maintained in the campus to facilitate the self learning among students. Kindle E-books are made available in the library. They can download materials from the internet and copy it on CD/Pen drives. The Digital Library is kept open on all days.

100 Mbps dedicated leased line Internet facility is available to cater to the academic & research needs of the Campus. The institution is completely Wi-Fi enabled. The campus is under video surveillance with 96 CCTV cameras. There is an in-house maintenance system of computer hardware, processors, motherboards, and other IT infrastructure and CCTVs'. The students do have the hands-on training in Computer Hardware and Maintenance Lab.

Language Laboratory : The well equipped Multi-Lingual Language Lab with 62 computers trains the students in English Language & communication skills. It improves reading, writing, listening and speaking (RWLS) skills and pronunciation of the students thereby maximizing language immersion. It provides a very different experience from the traditional system of teaching and learning languages, offering more advanced features and functionalities. The language lab offers students a structured e- learning environment.

Research space: A well-developed research lab facility is provided with high end equipment for quality research.

General Infrastructure: The academic infrastructure is complemented with Chairman's Lounge, Principal chambers, Administrative office, Board Room, Incubation Center, Examination Branch, IQAC Cell, EDC Cell, Innovation Council, Institute Industry Interaction Cell, Training and Placement office, HoD and faculty cabins, consumer store, canteen, medical room, girls and boys waiting rooms, Alumni office, NSS Room, conference and yoga halls cafeteria and a full-fledged canteen . The campus has Solar LED Lights, Academic Blocks, Computer Centers, Lecture halls, libraries, laboratories, conference halls, hostel and centres of excellence.



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The Infrastructure and Learning Resources in Current Academic Year is given below.

S.No.	Type of Infrastructure and Learning Resource	In 2022-23
1	Institute area	107 Acres
2	Built up area including Hostels	46708 m ²
3	Class rooms	4858
4	Tutorial rooms	385 m ²
5	Seminar Halls	771 m ²
6	Laboratories	8226 m ²
7	Library Book titles	30932
8	Library Book Volumes	120605
9	Computers with Internet	428

An amount of Rs.221 Lakhs spent towards Infrastructure and Learning Resources in the last 5 years.

The following are new/ upgraded laboratories in last 5 years

Civil Department:

Strength of Materials Laboratory
Structural Engineering Laboratory

Marine Department:

Simulator Laboratory

EEE Department:

Renewable Energy Systems Laboratory
Power Converters Laboratory

SPORTS AND GAMES FACILITIES: Quality physical education programs are needed to increase the physical competence, health-related fitness and self-responsibility. The sports department is headed by a full time Physical director and Sports Club is under the convenorship of a senior faculty member who coordinates all the sports activities. The Institution has 4 acres playground for outdoor sports like Athletics, Cricket, Hockey, Football, Tennis, Volleyball, Basketball indoor stadium with shuttle badminton court, table tennis, chess, and carom are available to promote sports and cultural events. College teams are taking part in Anna University Zonal level competitions and other intercollegiate competitions. Sports event competitions are conducted in interdepartmental level in an academic year and the winners and participants are awarded in Annual Sports Day celebration to encourage them.



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The following Indoor and Outdoor facilities are available in college.

- 2 Badminton courts
- Basket Ball court
- 02 Table Tennis Tables
- 10 chess Boards
- 04 caroms Boards
- Boys Gym with Imported Equipment
- Girls Gym with Imported Equipment
- Yoga Centre with a permanent Instructor
- Rest rooms for Players
- A separate Medical Centre with full time Doctor, Nurse and adequate medicines
- Cricket and Football Ground
- Volleyball Courts with flood lights
- Tennis courts with flood lights
- Basket Ball Courts with flood lights
- Badminton Courts

GYM and Fitness Centre: Modern Gym offers a fun and safe learning environment that gives weight training, strengthening and weight loss programmes. We strive to develop student's confidence and determination through their mastery of skills and improved fitness. High – Quality instructions from energetic, enthusiastic and proficient coaches make this possible. Keeping in view the importance of sports, yoga and cultural activities and their role in students' health and personality development, the college offers immense opportunities and resources to the students.

Yoga Club in the college provides training of yoga to the students and organizes various workshops for the holistic development of the teachers and the students. An exclusive facility is provided with a dedicated yoga teacher for training both the students and faculty. Practicing yoga helps to engineer a deep lasting personal transformation. Every year on June 21st, the International Day of Yoga is conducted where all the students and faculty proactively participate. Best performers are rewarded to encourage active and more participation.

Self defense training is provided to the girl students through Karate. Trained coaches train the potential sports persons regularly. The students who outperform in college events are short-listed for the college team to participate in inter-college events. The college organizes the annual Athletic Meet every year and the winners are awarded in the Annual Prize Distribution Function. Rs.50 Lakhs has been spent on sports infrastructure and its activities.



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The following infrastructural facilities are available on the campus.

Facility	Numbers (Area)
Auditorium	01 (2635 m ²)
Seminar Halls	05 (771 m ²)
Play-Ground(s)	10375 m ²

Cultural Activities: The Institution offers a good opportunity for the students to come out with their talents in Dance, Music, Art and Mime. Institute organises various cultural activities to make the students relax, enjoy and balance leisure. The Institution has an Auditorium with a capacity of 2500 to conduct cultural and other mega events. Frequent programs are conducted to encourage the student's participation.

The Cultural Committee of the college organizes the Cultural events in the beginning of the session that includes various cultural events and the schedule of different activities is included in the academic calendar of the college. The college organizes Inter-Collegiate cultural fest every year. Our students have participated in many Fests and Competitions. The college hires professionals to train the students for cultural activities. On the basis performances and achievements, the students are bestowed with Best Singer, Best Dancer, Best Speaker, Best Poet and Best Artist Award on the Annual Prize Distribution Function. The college also has a stage for the organization of functions and other activities, cultural events. Students clubs like literary club, Music club, Creative arts club, Livewire club, Dramatics club, Classical dance club, Photography & short film shooting club are established. Students actively practice and participate in extra-curricular activities, participate in National level competitions and won awards and prizes.

Hostels: The College has hostel blocks/ residences for students with boys' and girls' hostels. The Boys' and Girls' Hostels have accommodation capacity of 1100 and 350 respectively with Wi-Fi facility, dining hall, primary health center, Laundry facility, solar water system, recreation room, RO Filters for safe drinking water and 24x7 security is provided in the hostel.

The Students Service Centre provides other services like Laser Printing, Photo copying, Spiral Binding and Stationery to the students. Reprography facilities are available to the students at a subsidized rate. College Cafeteria provides hygienic and nutritious food at nominal rate. ATM facility in the campus provides hassle free, easy and speedy financial transactions.

Rain water harvesting, effluent treatment plant, drip Irrigation is existing. Parking facilities for two hundred vehicles, ambulance, 14 buses, and vans available for transportation. Biometric logging system, CCTV Surveillance, Digital notice-board display for discipline is available.