



St. Michael Polytechnic College



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Approved by AICTE, New Delhi

(An ISO 9001:2008 Certified Institution)

About the College



Ln. Dr. V. Michael

St. Michael College of Engineering and Technology is the first institution to venture quality technical education in the rural region of Sivagangai district. It was established by our founder Chairman Late Ln. Dr. V. Michael, B.E., M.I.S.E., Ph.D (USA) in the year 1998.

St. Michael polytechnic college was established in the year of 2008 by Ln. Dr. M. Stalin Arockiaraj, Chariman, St. Michael Group of Institutions. Our aim is to facilitate "Quality Engineering Education" to equip and enrich young minds to meet global challenges in development, innovation and application of technology. The college is affiliated to Directorate of Technical Education Board, Govt. of Tamil Nadu. The college is ISO 9001:2008 certified institution and was certified by TUV – SUD South Asia Pvt. Ltd.,

The college offers diploma programmes in the field of Engineering. The Library has developed an excellent collection of books, journals and CDs in Science, Engineering, Technology and Career Guidance.

The classrooms of the college are well furnished with modern facilities. The laboratories of the college are well equipped with latest equipments. The college's infrastructure is well furnished with all modern facilities. The college has well experienced, qualified and dedicated teaching staff committed to the task of imparting quality technical education. The highly motivated faculty members tirelessly contribute for the constant development of the institution.

Vision

- To inculcate strong technical expertise with practical orientation
- To be a model technical Institution

Mission

To produce students with robust technical expertise, innovative and creative skills and ethical values

Diploma Courses offered

- **Civil Engg.**
- **Mechanical Engg.**
- **Electrical & Electronics Engg.**
- **Electronics & Communication Engg.**
- **Computer Engg.**



Department of Civil Engineering

The department focuses on latest developments in Civil Engineering and covers the following theory and practical subjects:

- Computer Application in Civil Engineering
- Advanced Construction Technology
- Environmental Engineering and Pollution control
- Structural Engineering
- Surveying

Emphasis on practical training is given for 3 weeks in government establishments like Public Works Department, Housing Board, Highways and leading consultants.

Co-curricular Activities

These courses are offered for the students to impart latest technology in the construction industry.

- Training on Total Station
- Quality assurance in building materials
- Computer courses in AutoCAD , ArchiCAD, Staad Pro and Rivet Architecture etc.,



Department of Mechanical Engineering



Mechanical engineers gear the world. They are the main brains behind the design, manufacture, erection and commissioning, testing and maintenance of all mechanical equipments. The power sector, automobile sector, aeronautical sector, railway sector, steel plant sector, defense sector, turbo and fluid machinery sector and fabrication sector are few to list.

The invention of new software in the field has gained momentum in all areas of the field including research.

The department also supports the other departments by teaching basic engineering subjects.

Area of focus to meet the industrial needs

- Thermal Engineering
- Machine Shop Technology
- Non-conventional Machining Processes
- Modern Production Processes
- Automobile Technology
- CAD/CAM

Co-curricular Activities

The Department is focused on bringing out the potential and ability of students to meet global needs. Motivational programs are conducted to mould the students as ethical professionals.

Department of Electrical and Electronics Engineering



The department has dynamic faculty members experienced in various fields and is equipped with good laboratory facilities for imparting knowledge to the students to face the challenging needs of the industries.

The diploma programme provides equal importance to both theory and practical subjects in the following areas:

- **Electrical Machines**
- **Microcontrollers and Applications**
- **Computer Aided Electrical Drawing**
- **Programmable Logic Controllers**

In order to enhance the employability of our students, need based training programmes on recent technologies such as Microprocessors, Embedded Systems, Programmable Logic Controllers are offered during vacation

Co-curricular Activities

Interaction with reputed companies has been signed to enhance students' in-plant training during vacation, guest lecture programmes and sponsored projects.

Career guidance and placement training for final year students give a clear road map for choosing their future either to go for higher studies or to be placed in reputed organizations.

The department of Electronics and Communication Engineering focuses to provide quality technical education to the students and to expose them to the recent developments and trends. The department motivates them towards success and to prepare them to face the future challenges with strong technical expertise.

The diploma programme provides equal importance to both theory and practical subjects in the following areas:

- **Electronic Devices & circuits**
- **Electrical machines & instrumentation**
- **Microprocessor & Microcontroller Applications**
- **VLSI Applications**
- **Embedded Systems Applications**
- **Communication Engineering Applications**

Training Programmes

During the course of study PLC, PCB design, Data communication and Networks, Communication skills for Placement are being taught.

Co-curricular Activities

On successful completion of Diploma in Electronics and Communication Engineering, the students are offered very good job opportunities in private organizations like BPL, LG, NOKIA, and SAMSUNG which are the leading cell phone manufacturers. The students can take up under graduate programs in the field of Electrical and Electronics Engineering, Electronics and Instrumentation, Instrumentation and Control, Computer Technology, Information Technology, Biomedical Instrumentation etc.,

Department of Electronics & Communication Engineering



Department of Computer Engineering

The department has been offering excellent infrastructure facilities with a variety of computing platforms for the aspiring students to meet the growing demands and expecting standards of the computer industry.

The department provides quality technical background and state-of-the-art education in the field of computers.

The main subjects are:

- .Net Programming
- Object Oriented Programming
- Relational Database Management Systems
- Data Structures and Algorithms
- Multimedia Systems
- Computer Network and Security

Co-curricular Activities

During the course of study, Data communication and Networks, and Communication skills for Placement

are being taught. Our students are also motivated to attend the national level seminars and conferences to enhance their knowledge.



Library

The college library has an excellent collection of books, journals and CDs in science, engineering, technology, humanities, social sciences and management. It maintains separate collections of reference books, standards, and bound volumes of journals, technical reports, thesis, and Compact Discs.



Training & Placement Cell

The objective of T&P is to arrange campus interviews to help them choose and get placed in a company of their choice. Our placement cell undertakes counseling, training and value additions to ensure that students are ready to get placed in reputed organizations. The cell conducts special training classes on Soft Skill development, Aptitude Test, Reasoning Test, Group Discussion and Mock Interview.



Admission

Admission to the diploma programmes is based on the entry qualification prescribed by the government of Tamilnadu students. The candidates who have passed SSLC or its equivalent exam or SSLC with ITI are eligible for admission into First year diploma. Students who have passed Plus Two (+2) are eligible for admission into second year directly. Mathematics is a compulsory subject for admission into second year directly.

Category A : SSLC or its equivalent	}	Admission into First Year
Category B : 10 + ITI		
Category C : HSC Academic	}	Admission into Direct Second year.
Category D : HSC Vocational		

Admission is open to both boys and girls. Separate hostel facilities are available for both boys and girls.

Salient features

- An exclusive collection of reference books, journals, technical reports and CD's
- State-of-the-art classrooms and well equipped laboratories
- Faculty Development Programmes conducted for the staff
- An exclusive Training & Placement Cell functions in the college
- Internet access with 8 MBPS connectivity using OFC
- Transport facilities from Madurai, Manamadurai, Paramakkudi, Devakottai and Karaikudi
- Excellent sport facility
- Student activities through NSS, YRC and RRC



Group of Institutions

St. Michael College of Engineering and Technology
Fatima Michael College of Engineering and Technology
Michael Institute of Management (B-School)
St. Michael Polytechnic College
Roseline College of Education (B.Ed.)
Roseline Teacher Training Institute (D.T.Ed.)
St. Michael Teacher Training Institute (D.T.Ed.)
Sahaya Matha Teacher Training Institute (D.T.Ed.)
Fatima Teacher Training Institute (D.T.Ed.)
St. Michael Matriculation Hr. Sec. School
St. Michael's Matriculation School
Pope John Paul II Middle School
Annai Therasa College of Education
Gandhi Matriculation Higher Secondary School



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St. Santhiagappar Nagar, Kalayar Kovil - 630 551
Sivagangai District, Tamilnadu
Tel: +91 4575 232009
Mob: +91 99427 96745, 98421 44567, 99427 96934
E-mail: smpc08@gmail.com

Web: www.smcet.edu.in