




# ST. MARY'S INSTITUTE OF TECHNOLOGY & SCIENCE

- POLYTECHNIC COLLEGE
- ST. MARY'S ITI
- LANGUAGE ACADEMY
- ADVANCED WELDING COURSES
- DRIVING SCHOOL

 Valliyode, Vadakkencherry  
Palakkad

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## OUR PATRON



Bishop Mar  
Peter Kochupurakkal  
**CHAIRMAN**



V.Rev. MSGR  
Joseph Chittilappilly  
**PRESIDENT**



Rev. Dr. Mathew  
Illathuparambil  
**DIRECTOR**



Rev. Fr. Anu Kalapurakkal  
**JOINT DIRECTOR**



Rev. Fr. Saju Arackal  
**ASST. DIRECTOR**



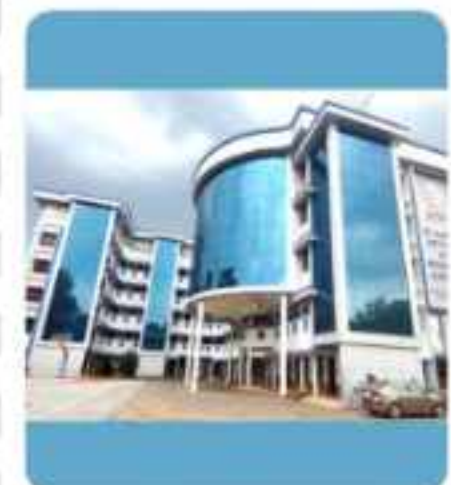
Mrs. Indukala M.P.  
**PRINCIPAL**



## OUR HISTORY

St. Mary's Educational Trust, a social and educational concern of the diocese, was initiated by Bishop to engage in activities of educational, social or any other that contributes to the development of the society at large. Realizing the urgency of technical training and scarcity of technical institutions in the district, the trust started an ITI with affiliation from DGET in 1996, a center for short term Gulf oriented courses in 2004 and a Polytechnic with approval from AICTE in 2011 at Vadakkenchery, Palakkad.

The institution has an ISO 9001:2008 certification for its quality management system. SITS stands unique and elegant, keeping its head high with elevated goals, great potentials for unfathomable knowledge materialized through committed management, qualified faculty and disciplined student community. It is located in Vadakkencherry, Palakkad District and 2 Kms in Govindapuram Route. The campus sprawls over 12 acres of greenery. It has got the best infrastructural facilities with around 1, 50,000 sq.ft. Built-in areas, well-spaced and ergonomically designed class rooms, practical labs, library, auditorium and workshops. There are separate hostels for boys and girls, which run under the selfless commitment and strict discipline of Catholic priests and nuns. The institution gives importance to the character formation and skill development of its students. We are committed to provide quality education for all round development of the new generation and envisage technical, intellectual, physical and academic development of the students. In order to attain this goal, we are fostering brilliance and excellence in technical studies.





## OUR VISION & MISSION



### **Vision**

- To consolidate itself as a center of excellence in technical education which transforms students into globally competent professionals with an impeccable value system.



### **Mission**

- To impart quality technical education with an emphasis on engineering practices.
- To ensure a good learning environment with qualified and highly dedicated faculty.
- To nurture and train students to meet industrial requirements.





## ST. MARY'S POLY TECHNIC COLLEGE

Approved by AICTE, Affiliated to DTE. KERALA

( 3 Year Diploma Courses )

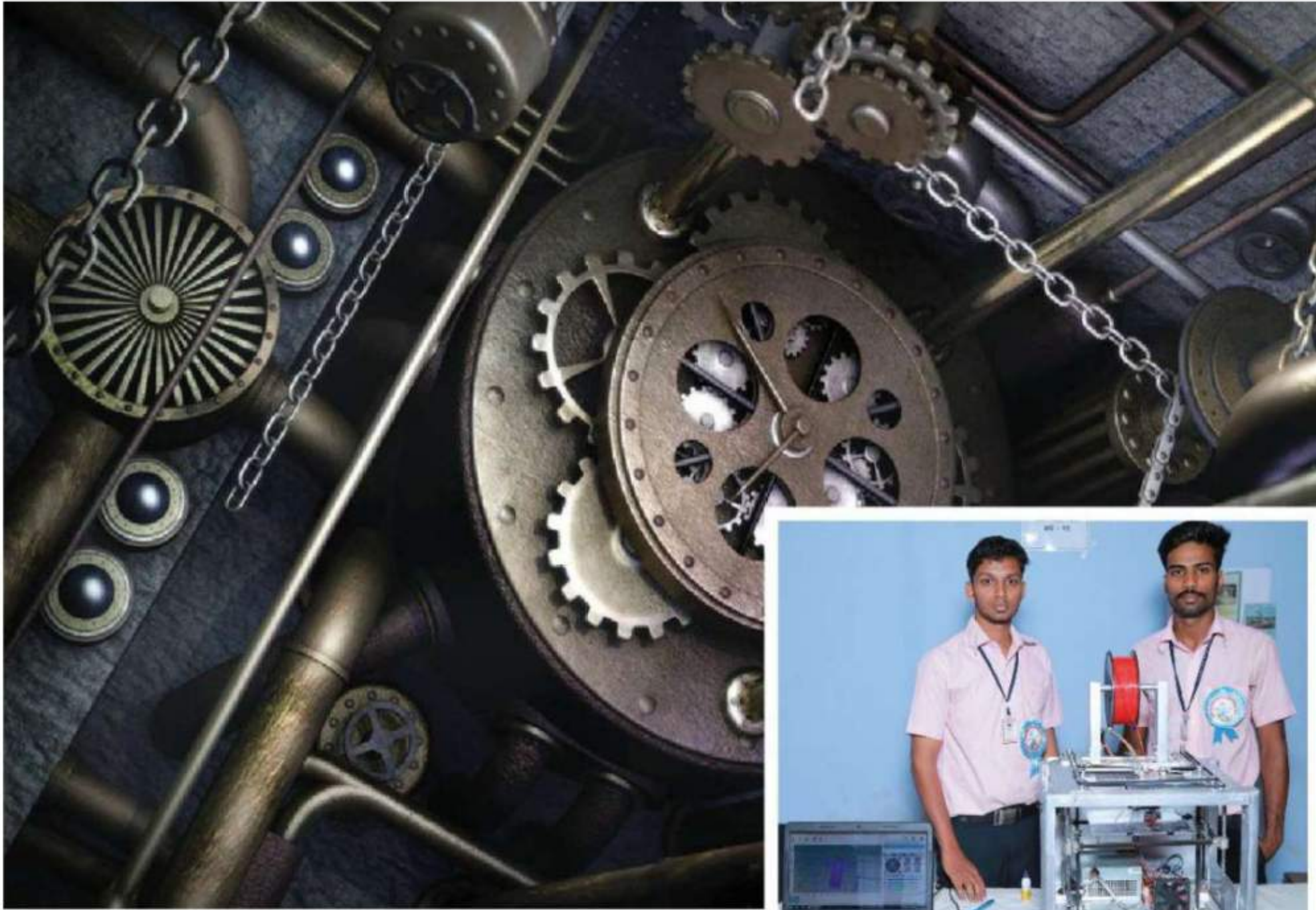


### CIVIL ENGINEERING - [ 60 SEATS ]

Civil engineering is a professional engineering discipline that deals with the design, construction and maintenance of the physical and naturally built environment including works like roads, bridges, canals, dams and buildings. The engineers who complete their diploma in civil engineering are able to work in various fields in India and abroad including environmental engineering, geotechnical engineering, structural engineering, transportation engineering, municipal or urban engineering, water resources engineering, materials engineering, coastal engineering surveying and construction engineering.







### **MECHANICAL ENGINEERING - [ 120 SEATS ]**

The Department of Mechanical Engineering keeps pace with latest developments, in Mechanical Engineering and allied fields. The program prepares for technological careers and students can utilize this program as a launching pad for professional careers in industry, business or public services. The aim of the department is to advance knowledge and educate students in the areas of Mechanical engineering that will offer jobs in thermal and nuclear power plants, oil refineries, marine services and other construction and production fields.





## **ELECTRICAL & ELECTRONICS ENGINEERING**

**[ 60 SEATS ]**

Electrical engineering is one of the three core branches of engineering and electronics, the most advanced. Thus, electrical and electronic engineering is a blend whose scope never diminishes. This branch of engineering deals with design, production, operation and maintenance of electrical and electronics equipment. Some of the areas of specialization are power generation and transmission, power electronics, VLSI design, communication and machine design. A diploma in electrical and electronics engineering provides job opportunity in telecommunication systems, power systems, designing of house hold appliances, robotics, biomedical electronics etc. Hence students have a passion to join this branch.





## COMPUTER ENGINEERING - [ 60 SEATS ]

The entire field of engineering and technology is facing an ever-growing phase of information explosion. In order to exploit these phenomena, it is essential to collate, manipulate, analyze and interpret the bulk of information, which is the essence of the subject of computer engineering. Keeping in view all of the above facts, the six semester diploma course in computer engineering offers an equal importance in theoretical and practical engineering skills in the following areas.

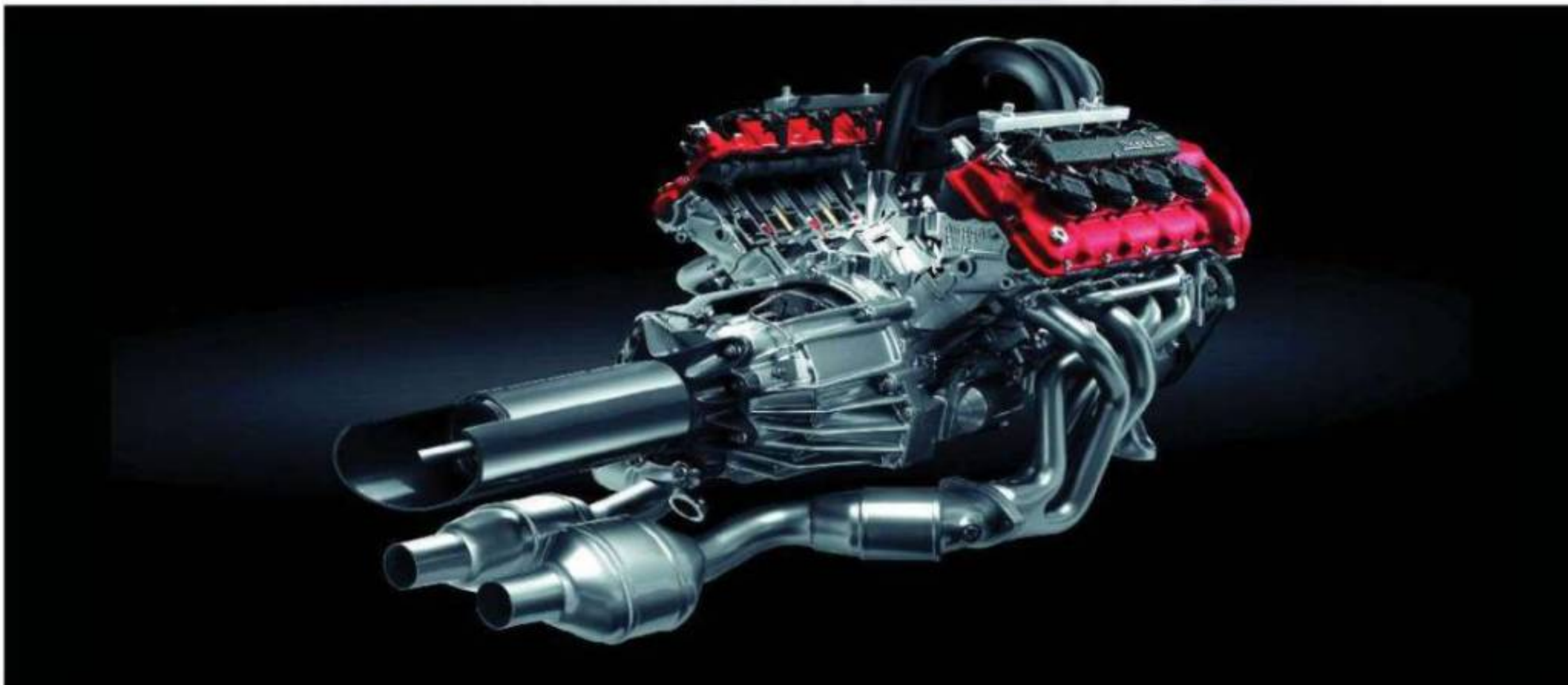
- a. Study in detail about computer organization, hardware and network programs
- b. Design and development of web-based application
- c. Design and development of database management system
- d. Application; development in day-to-day business.
- e. State-of-art application development by using various software tools and techniques.
- f. Exploring the area of information security
- g. Use of various communication technologies for proper dissemination of information
- h. Hence its application in all fields will provide job opportunities for the Computer Engineering Diploma Holders.





## **AUTOMOBILE ENGINEERING - [ 60 SEATS ]**

Modern automotive industries need experts in vehicle design and manufacture. With this in mind, the Department of Automobile Engineering was established to train students to design, develop, manufacture, and repair the automobiles. The demand for automobile engineering is growing with the expansion of automobile industries and increasing demand for vehicles. The program trains students to meet the technological challenges and diverse needs of the industry and society in various areas of automobile engineering and equips them of having excellence in a truly competitive industry.







## ST. MARY'S PRIVATE ITI

Affiliated to NCVT, New Delhi, Ministry of Labour,  
Govt. of India, Affiliation No. DGET 6/11163/96 - TC Dt. 11-04-1996

( 2 Year NCVT Courses )

### MECHANIC (Motor Vehicle) - [ 42 SEATS ]



Today of course, the automotive vehicle has become a necessity. Furthermore, the business of production and servicing of automobiles has become one of the biggest business in the world. Every year, the automobile factories in India produce more than thirty lakhs of vehicles. Thousands of cars, buses, trucks and two wheelers run millions of miles an year and a tremendous amount of service and maintenance is needed to them. So, servicing automobiles is a big business in nowadays. The syllabus includes history and development of automobile, engine operations, balancing, maintenance, vehicle servicing etc. In both diesel and petrol engines, fuel injection systems, air brake system, tire maintenance,

vulcanizing, wheel balancing, wheel alignment ,MPFI,CRDI systems etc.







### **ELECTRICIAN - [ 42 SEATS ]**

Electrician trade was started on 1999. We are having two Units at a time (42 trainees). All pass out trainees are working in different electrical projects in India and abroad. The syllabus included according to NCVT as follows, Electric effect and safety precautions, house wiring, domestic installation, underground cable, cell and batteries construction of lead acid batteries, DC and AC Generators, and motors, AC circuits single phase, 3 phase and its advantages, transformers, theory, designing, construction, working and use of single phase, 3 phase step up inverter, transformers, regulators, induction motor, windings DC armature windings, wave and lap winding-single-phase and 3 phase winding, electrical measuring instruments, illumination theory, contraction and connection of all types of lamp, neon lamps, neon sign generator transmission and distribution of electric systems, study and maintenance of home appliances, water heater, kettle, oven, mixer, emergency lamp etc...





## FITTER - [ 42 SEATS ]

Fitter is a Mechanical Engineering trade which gives training on basic engineering like metal cutting, marking, filing, drilling and grinding, study of limit, fit and tolerance, geometrical tolerance, surface finish, heat treatment process etc. the role of fitter is essential to manufacturing the mastery of all kinds of manual metal working operations in high precision and high accuracy. The trainees are exposed to systematic practical training on production and assembly of parts, geometrical testing of machine tools, repair and maintenance of machineries, preventive maintenance and breakdown maintenance of mechanical systems etc. They are well versed in metal cutting, filing, drilling, threading, brazing, soldering in addition to lathe operations.





# ST. MARY'S GULF ORIENTED COURSES

## SHORT TERM COURSES

**SITS** Conducts three Gulf oriented courses in advanced welding section. These courses were started on the basis of a mounting of job prospectus in gulf sector. Those who seek admission in these courses have to complete 18 years of age. A fully dedicated and gulf experienced group of faculty is giving the training in these sections. We train the candidates to cater the specific requirements of the clients.



## ADVANCED WELDING COURSE

X-Ray welding is a type of electrical welding in X-Ray quality using superior types of electrodes with expert hands. The department was started in 2004 and thousands of students had completed their training in different courses like ARC welding, TIG welding, MIG welding, uphill and downhill welding etc. The course duration varies from 3-7 months and the admission is on every second week of a months.





## **ISO 9001:2008 and ISO 29990:2010**

The institution has been assessed for its quality management system – providing technical education and training through continual improvement of performance in order to deliver high level of learner's success and awarded ISO 9001:2008 in July 2009 and ISO 29990:2010 in April 2017 for quality education in learning services and non-formal education. The institute provides excellent teaching, learning, support facilities and environment.



## **OUR QUALITY POLICY**

We are committed to provide quality for the all-round development of the new generation and envisage technical, intellectual, physical and academic development of the students, who are most competent and globally acceptable, through continual improvement. In order to attain this goal, we are FOSTERING BRILLIANCE AND EXCELLENCE IN TECHNICAL STUDIES.



## EXTRA CURRICULAR ACTIVITIES

Arts







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### **St. Mary's Institute of Technology & Science**

An ISO 9001 : 2008 and ISO 29990 : 2010 Certified Institution  
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