

T.B.M.L. COLLEGE - CAMPUS OVERVIEW

Tranquebar Bishop Manikam Lutheran College (TBML College) is a co-education college with both Grant- in -aid and Self- financing sections. It was established in the year 1972 with the noble purpose of providing higher education to the under-privileged children of this most backward rural area on the eastern coast of Tamilnadu, predominantly inhabited by down trodden communities who allowed utter poverty, illiteracy and social inequality. In its 52 years of purposeful service to the higher education needs of the students of this region, now accommodating 14 departments of various subject, having many departments as research departments. With the vision of creating a brave new world through providing quality education with emphasis on character building, gender justice, rural empowerment and service to be marginalized.

Our college campus is sprawling with nearly 33 acres of land. Three natural ponds and several seasoned trees, greenish lawns make this campus very closer to the nature. There are 11 RCC roofed buildings are there. They are constructed with good ventilation, natural lighting and proper drainage systems, so as to avoid the unnecessary use of electricity. Thereby, energy consumption is reduced in a sustainable way. As the campus is away from traffic roads, it always kept free from vehicle pollution, noise pollution and unwanted trespasses. Rainwater harvesting systems and proper rain water collection systems were also maintained in the campus.

1. ENVIRONMENTAL EDUCATION AND TRAINING

Environmental education is a process that allows individuals to explore environmental issues, engage in problem solving, and take action to improve the environment.

It also aims to supplement the knowledge that the children and young generation gain from classrooms with experience from nature and hands-on activities.

Environmental education

- ♣ Enhances the thought of peoples' experiences.
- ♣ Enlightens people to understand their environment.
- ♣ Provides room for better living.
- ♣ Serves as an engine room in creating awareness.
- ♣ Provides aesthetic beauty.

College is a great place to start learning about the environment. Teachers can show us how to take care of the Earth. We can also read books, watch movies, or use the internet to find out more. Talking with family and friends about what we learn is a good way to spread awareness.

There are many easy things also we can help. Turning off lights when we leave a room saves energy. Walking or biking instead of asking for a ride in a car can help keep the air clean. We can also plant trees and flowers to give homes to birds and insects. Using less plastic by carrying a reusable water bottle or bag helps keeps our oceans and rivers clean. Every above thing could be educated and explained at our campus.



2. ENVIRONMENTAL AWARENESS AND PROTECTION

Environmental awareness is about understanding the world around us and knowing how our actions can affect it. It's like being a good friend to the Earth. We learn how to take care of nature, the air, the water, and all the living things, including people, animals, and plants. By being aware, we make sure our planet stays healthy and beautiful for everyone.

At home, we can do a lot to be kind to the Earth. Saving water by taking shorter showers, recycling paper, cans, and bottles, and not wasting food are simple habits that make a big difference. We can also ask our families to buy things that are good for the environment, like products that can be used again or are made without hurting nature.

As a consequence of the above, at our college, we run clubs to learn more about the environment and do projects to help. We can also make sure our college recycle and use resources wisely. Even small actions, like picking up trash on the playground, show that we care for our surroundings.

Important of Environmental awareness

Our planet is the only home we have, and it gives us everything we need to live: food, water, and a place to stay. But sometimes, we use too much, waste things, or harm nature by accident. When we know about the environment, we can make better choices, like recycling or saving water. This helps our Earth last longer and keeps it a safe place for animals and plants, too.

The more we talk about the environment, the more people will understand how important it is. We can share what we know with others by making posters, writing stories, or even putting on plays. When we all work together, we can make a big change for the better.

In conclusion by doing simple things at home and College, and sharing what we learn, we can help make sure the Earth stays a happy and healthy place for all living things.

To encourage the student's environmental awareness and protection, the NSS Units of TBML College, Porayar programme from 19th September to 21st Sep. 2023. Prior to the programme sapling was planted by Mayiladuthurai District Collector Thiru. A. P. Mahabharathi, IAS. The Programme was inaugurated by the District Collector and felicitated by Dr. S. Johnson Jeyakumar, Principal, TBML College, Porayar. NCC Officers S/Lt. Dr. P.Gobinathan, S/Lt. Dr. G. Thomas Nithyanandam and NSS Programme Officers, Dr. D. Elanchelian, Dr. G. Sheela Edward and Dr. Jeyaseelan coordinated the entire programme.



3. SOLID WASTE MANAGEMENT

Recycle, Re-Use, Reduce, Refuse, Composting Collection, segregation and Disposal Biomedical waste management, laboratory waste management Administration of waste management Solid and liquid waste management's are meticulously taken care at our college campus.

In solid waste management, we have there solid waste degradation pits in a large scale capacity in the main campus and three medium scale pits at Boys Hostel, Girls Hostel and Principal quarters area. All these pits are cleared regularly and utilised as fertilizers in the gardens, apart from selling out for agricultural purpose. A vermi compost unit and bio compost unit are maintained at the department of Zoology and Botany. Food and vegetable wastes from the hostel mess are supplied to the hostel workers at free of cost to feed their cattle. As our place is experiencing heavy rainfall for nearly 04 months of a year, collection and disposal of solid and liquid waste from the restrooms are done with utmost care regularly.

In liquid waste management, we have two important points to elaborate. First, the harmful chemical waste derived from Chemistry, Bio Chemistry, Zoology and Botany laboratories are collected cautiously and maintained in an exclusive soak pit constructed much away from water sources. Frequently these pits were cleaned and the residues were disposed carefully. Next, the waste water from college cafeteria also collected in an ordinary soak pit and disposed properly.

In addition to this, the glass wastes and electronic wastes of the laboratory debris are collected separately and shifted to the recycling companies periodically. Special attention is given to dispose used napkins, by installing incinerators at ladies' restrooms.

Above all, frequent awareness meetings are conducted through Exonora, Multipurpose Club and Green Club on the waste management, Health and Hygienic, Eco Concerns and Sustainable Development.



Bio Compost Unit



Vermi Compost Unit



4. ECO-RESTORATION, CONSERVATION MEASURES

Area under green cover (95%), nursery on campus, plant protection management, tree plantations, exotic, medicinal, local species plants. We have an objective of making our campus conducive to the existence of bio diversity. Hence, the following projects are implemented and found useful.

- (i) Miyawaki mini forest with nearly 2000 plants of 60 varieties, within a spread of nearly 7,000 sq. ft as devised by the famous Japanese Ecologist Akira Miyawaki. This is the only such endeavour in any institution in the district as such.
- (ii) Integrated Aquatic farm, integrating aqua culture, poultry farming, kitchen garden, herbal garden, exotic plants garden, apiculture and Sericulture farms.
- (iii) Waste management system with bio compost units and vermi compost units.
- (iv) Lawns, pathway gardens, departmental gardens and botanical gardens (ROYAL GARDEN) are maintained at different locations.
- (v) Nearly 70% of the area, excluding the built in area, are kept under green cover.
- (vi) Solar Energy: Our PG & Research department of Physics, has entirely rely on Solar Energy of about 1.5 kW. Five class rooms, Staff room, UG & PG laboratory and Research lab was utilizing this energy and 24/7 we have uninterrupted power supply. The college is planned to have two more solar energy station of about 2 kW each.





5. INTERNATIONAL COASTAL CLEANING & PROTECTION PROGRAMME

NCC & NSS units of TBML College, Porayar organized an international coastal cleaning at Tharangambadi beach on 10.09.2023. The programme was inaugurated by Thasildar, Tharangambadi Taluk., Dr. S. Johnson Jeyakumar, Principal, TBML College, Porayar, felicitated the gathering.. Nearly 150 NCC & NSS volunteers were actively participated in the cleaning programme.



In Order to plant 1 crore palm seeds in coastal areas by Tamilnadu Government , On October 1, 2023, the National Service Scheme, TBML college, Porayar in collaboration with Lions club , Porayar- Tharangambadi and Makkal Vizhippuravu Iyakkam NGO , Porayar planted nearly five thousand palm seed at Tharangambadi Beach , Near Fort area. More than 100 NSS volunteers of TBML College actively participated. NCC Officers S/Lt. Dr. P.Gobinathan, S/Lt. Dr. G. Thomas Nithyanandam. NSS Programme Officers, Dr. D. Elanchelian, Dr. G. Sheela Edward and Dr. C. P. Jeyaseelan coordinated the entire programme.



6. EMISSION REDUCTION

NCC & NSS Units of TBML College, Porayar organized a **Bicycle Rally**, on 04.06.2023 in view of the Emission reduction and control measures to the environment. **Dr.S. Johnson Jeyakumar, Principal, TBML College, Porayar**, waved the flag and inaugurated the rally. The rally started from the college play ground and ended in the porayar bus stand. Nearly 150 NCC & NSS Volunteers participated in the rally. NCC Officers S/Lt. Dr. P.Gobinathan, S/Lt. Dr. G. Thomas Nithyanandam. and NSS Programme Officers, Dr.D.Elanchelian, Dr. G. Sheela Edward and Dr. Jeyaseelan coordinated the entire programme.

