

I-CONNECT

(INITIATIVES TOWARDS CONSERVATION OF
NATURE AND ENERGY CO-ORDINATED BY
TERESIANS)



I CONNECT

- Connecting to the Nature

Report of the Activities

Activity 1: Launch of I CONNECT followed by street play and Flash mob on Energy Conservation on 18th Dec 2018

The Department of Physics launched a new initiative - **Initiatives for CONservation of Nature and Energy Coordinated by Teresians (I- CONNECT)** to build a responsible generation for conservation of nature and energy. I CONNECT was inaugurated by honourable M L A of Ernakulam, Sri Hibi Eden on 18th December 2017. The logo for the club was released by Sri Hibi Eden and presented a momento to Ms. Diya Gleeson of III year B.Sc. Physics whose design has been adjudged as the official logo

in the Logo Designing Competition. A street play and flash mob was conducted at Arts and science block on the occasion to spread awareness on Conservation of Nature and Energy.



Activity 2: International lecture programme on “Emerging Trends in Solar Industry” on 4th January 2018

The Department of Physics under the Initiatives for CONservation of Nature and Energy by Teresians – I CONNECT conducted an International Lecture Programme on 4th January 2018. A talk on “Emerging Trends in Solar Industry” was given by Mr. Jonathan Selwyn, Solar Consultant, United Kingdom. He also chairs Solar Trade Association. He gave an enlightening talk on the solar coaster phases in the solar industry witnessed in the UK over seven years and the need of time to switch over to the most reliable source for energy production.



Activity 3: Exhibition on Solar Lanterns and LED bulbs assembled by the I CONNECT members to the school students

As a move towards spreading awareness on the use of renewable energy sources and efficient devices, an exhibition on assembling of solar assisted lantern and LED bulb was conducted by the I CONNECT Members for the school students from various parts of the city.



Activity 4: Pre-auditing lecture session on “Energy Auditing” on 10th Jan 2018

The Department of Physics, under the Initiatives for Conservation of Nature and Energy I CONNECT plans to conduct energy audit in the college. With a view to sensitize the significance for conducting an Energy Audit in the campus a pre-auditing lecture session on “Energy Auditing” by Suresh Babu B V, Accredited Energy Auditor, Bureau of Energy Efficiency, Govt. of India was organised on 10th January 2018 at the AV room, Science Block. The session was attended by IQAC team members and IQAC student wing and I CONNECT members.



Activity 5: Field visit and Training at Energy Management Centre, Trivandrumon 17thJan 2018.

The Department of Physics under the Initiatives for CONservation of Nature and Energy Coordinated by Teresians-I CONNECT organised a field visit to Energy Management Centre EMC, Govt. of Kerala, Thiruvananthapuram for the core student committee members accompanied by I CONNECT coordinators Ms.Minu Pius and Ms.Frincy Francis on 17thJan 2018.

The Energy Management Centre,Kerala is an autonomous body under the Department of Power,Government of Kerala, devoted to the improvement of energy efficiency in the State, promotion of energy conservation, Small Hydro Power and encouraging development of technologies related to energy through research, training, demonstration programmes and awareness creation. It is the designated Government Agency to enforce the “Energy Conservation Act 2001” in Kerala State. It is also the first gold rated government building in India for its green architecture.The project engineers of EMC took two awareness sessions on steps for Energy conservation followed by a technical session envisaging the possible energy saving strategies and efficient equipments compared to the commonly used electrical equipments. A demonstration of comparison of LED bulbs with CFL lamps and filament bulb, BLDC fans with ordinary fans, effect of paint on the lighting, identification of various kinds of tubelights etc. The students are also introduced to the roof top on-grid Solar Plant in EMC.



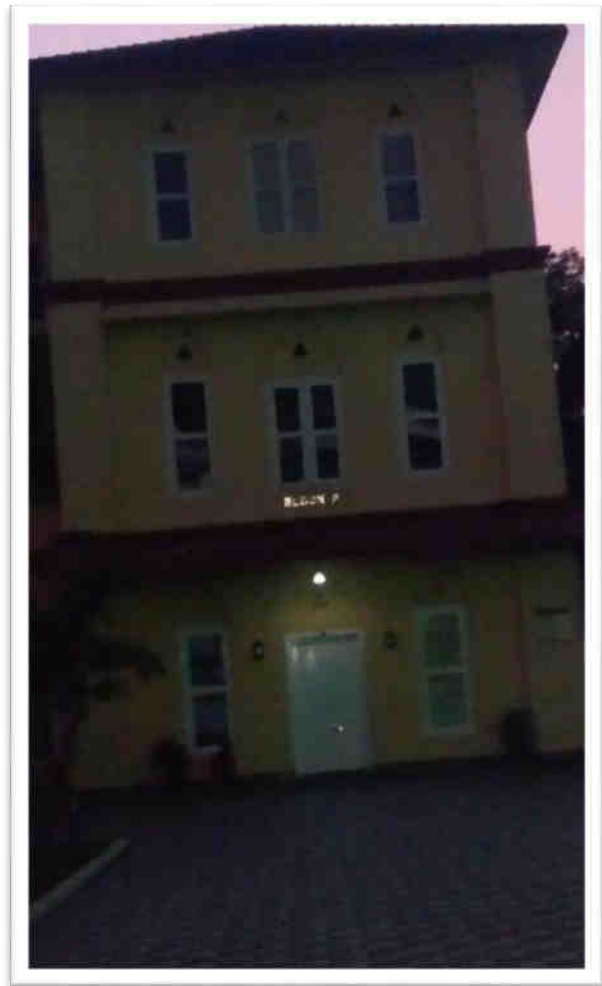


Activity 6: Installation of Solar Lamp assembled by the I CONNECT members

30/1/18

The Department of Physics under the Initiatives for CONservation of Nature and Energy Conducted by Teresians

(I CONNECT) installed a solar lantern and LED bulbs assembled by the members at the Director’s Office on 30th January 2018. It is our first step towards our campaign for promoting renewable and efficient energy sources. The event was powered by the slogans of students of the department while conducting an awareness rally from science block to arts block. The event was graced with the presence of Dr. Sr. Vinitha, Director and Dr.Sajimol Augustine M , principal. A pledge was taken by the students and faculty to



conserve energy. It was followed by a rapid fire on energy and nature conservation. Hope the slogan “Save Polar, Go Solar” will be promoted for the days to come.





Activity 7: Workshop on Energy Auditing and Mock Survey

The project engineers from Ottotraction Mr.Aby and Mr.Shabshad visited our campus on 2nd Feb 2018 and gave a preliminary workshop for the conduct of Energy Audit. A mock energy audit was conducted at the department of Physics as a training for the I CONNECT members equipping them for data collection during Energy Audit.



Activity8: Awareness class on Energy and Environment for students at Science Block and Arts Block

Conservation of Energy and Environment is the need of the hour. Hence it is significant to start our campaign for conservation from our college itself. With this aim, an awareness class on conservation of energy and environment was given to the students of the college. A presentation on energy conservation, rapid fire round on conservation and a presentation on activities of I CONNECT for the academic year were conducted during the event.



Activity9: Hands on Training on Solar Panel –Characterisation and Installation

The Department of Physics organized a one-day Hands-on Training on Solar Panel Assembling for the I CONNECT members. This workshop was conducted in Mithradam Renewable Energy Centre, Aluva on 3rd Feb 2018. Twenty four students and two faculty members, Ms.Minu Pius and Ms.Frincy Francis, attended the workshop.

The workshop provided a training on assembling and installation of PV Array, determining the effect of Tilt angle and Load on the VI characteristics of the Solar module, determining the suitable PV module for the application etc. This workshop helps the students to understand the working principle of solar panels as well as the practical uses of it.





Activity10: Energy Auditing in Science, Central and Arts Block during February 2018

Under the initiatives of I CONNECT members and IQAC student wing preliminary Energy Audit is conducted in the college.

Activity 11: Energy awareness and Hands on Training for Kudumbashree units at Maradu., 24.02.18

Awareness class, public meeting and workshop for Surya Kudumbashree unit, Maradu was conducted on 24 th of February .the program was inaugurated by Shri Baby Paul , ward councillor . The meeting was followed by an awareness class by the Urjakiran resource person Sreekumar Nedumbhasherry . The main aim of class was efficient usage of electricity and means to reduce energy consumption in households. The students trained the members in the making of CD craft and paper bags.



Awareness class on energy conservation and Hands on Training on paper bag making and CD craft at Maradu Panchayat

Activity 12: Energy awareness and Flash mob for Kudumbhashree units

at Vypin . 03-03-2018



An

energy conservation awareness campaign and a flash mob on Energy conservation was organized by Department of Physics, St.Teresa's College, Ernakulam on 2018 at Sacred Heart Girls High School auditorium, Karthedom. Smt. Frincy Francis (Department of Physics) welcomed the gathering. The pro-gram was inaugurated by Sri. Mathew Linchen Roy (Ward Member). Rev. Fr. George Kalathiparambil (Vicar, Karthedom Parish) felicitated the gathering .Ms. Snigdhapriya (I BSc, Physics) expressed the vote of thanks

Activity 13: An awareness programme on ANERT activities was conducted at Vennala Cooperative Bank on 13.03.2018

The programme was inaugurated by Smt. Tessy Joseph (HOD, Department of Physics) .Sri A N Santhosh felicitated the gathering. Smt. Frincy Francis gave away vote of thanks. The session briefs on the various initiatives of ANERT followed by awareness class on energy conservation. Methods of energy conservation at home particularly the points to be considered while purchasing household equipments like mixie, grinder, fridge, TV etc. was of a great use for all interested in reducing electricity bills .The handbook containing practical tips on energy conservation and making energy saving purchases of house- hold equipments was in great demand among the participants



Activity 14: Distribution of self assembled LED bulbs to the flood victims of Pizhala Panchayat

RAY of HOPE

Distribution of self-assembled LED Bulbs
to
Flood victims of Pizhala panchayat

Flood victims of Pizhala panchayat

As Kerala is limping back to normalcy after the devastating floods and landslides,

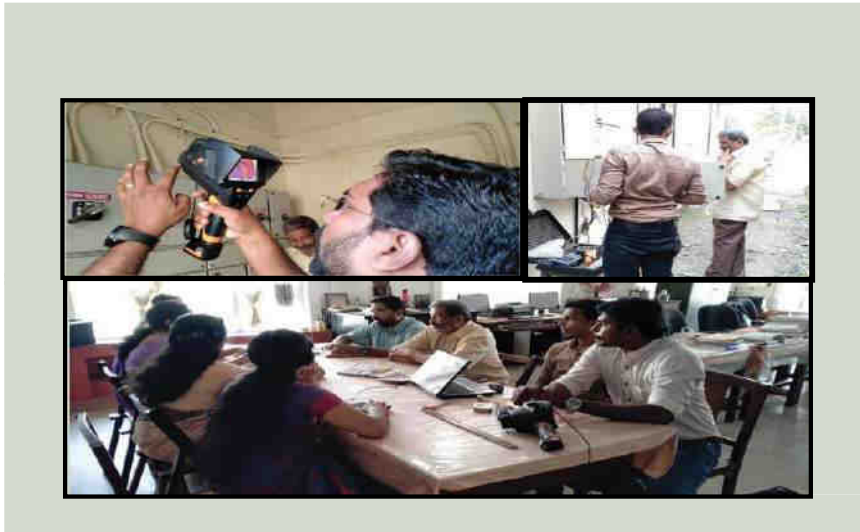
the focus is now on rehabilitating people whose houses were destroyed in the deluge. People from all over the country and abroad have pitched in to help the state through financial and material support. Being a path setter in the education scenario in Kerala, St. Teresa's College has a social responsibility to be proactive in the efforts towards the emerging challenges and pressing issues. The role and extent to which an institution is impactful in this realm is a sure reflection of its quality.

The department under ICONNECT provided LED bulbs, self assembled by the students, in all the dilapidated homes in identified areas free of cost under the sponsorship of State Bank of India. Around 500 LED bulbs were distributed to the flood affected students of four colleges as well as to the families residing in the islands of Pizhala, Kadamakkudy, Moolampilly and other areas who had camped in our college during the flood relief camp



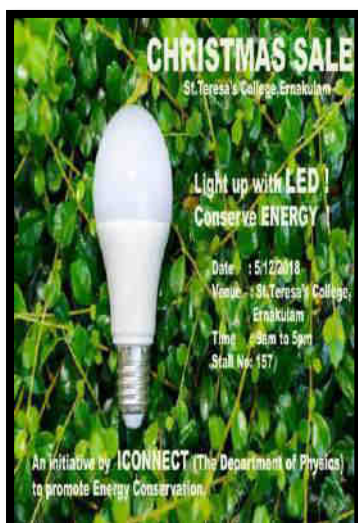
Activity 15: Energy Audit was conducted for the college campus. October 2018

As an initiative towards efficient current usage practices and hence to reduce energy consumption leading to significant monetary saving, an Energy Audit was conducted for the college campus. The audit was conducted by Ottotractions Ltd represented by Suresh Babu BV, Accredited Energy Auditor, B.Zachariah- Chief Consultant, Abin Baby, Mohammed Faiz KP- Project Engineers and Arjun V - Data Analyst.



Activity 16: Annual X’mas sale for self assembled LED bulbs on 5th December 2018.

The students of Department of Physics under I CONNECT put up a stall in Annual X’mas sale for self assembled LED bulbs on 5th December 2018. As a promotion of renewable energy sources the stall was light up with solar panels in collaboration with Mithradam – renewable energy centre



Activity 17: LED assembling training at GOVT LPS KONATTUSSERY, cherthala on 12 th December 2018

Around 50 parents and teachers of Govt LPS Konattusherry were trained to assemble LED bulb and students made them aware about the need to conserve energy.



Activity 18: Uriakiran energy conservation cycle rally on December 14th 2018



Activity 19: At Naipunya college of mamnemet studies ... LED training for NSS volunteers of Holy Family School



I-CONNECT RECIEVES THE KERALA STATE ENERGY CONSERVATION AWARD 2018



FUTURE PROJECTS

- LED TRAINING AT ALAPUZZHA
- LED TRAINING AT KOLENCHERRY
- SOLAR ASSISTED MODILE CHARGES AND GADGETS
- ENERGY AUDIT FOR THE STUDENTS OF THE DEPARTMENT
- AWARNESS ON ENERGY CONSERVATION THROUGH STRRET PLAY AT DIFFERENT PANCHAYATHS