SURYA ENERGY SWARAJ CLUB, BMSCE

Surya Energy Swaraj Club, BMSCE is a college level club which is a action node of Energy Swaraj Foundation. This club was primarily created to create awareness about the drastic climatic changes happening due to various reasons like greenhouse gases, global warming etc. We being a engineering college have decided to to focus on taking up projects that focuses on sustainability. This will help the society and the students in many ways.

Faculty co-ordinator: Dr. Chethan Raj D.

President: Likhita Yallegowda.

Vice president: Vedika K Prasad.

Secretary: Sriranjini vednarayan.

Treasurer: Suma hiremath.

Activity incharge: Pavan nagur.

Technical head: Anul suvarna.

Social media head : P likitha.

1. ENERGY SWARAJ YATRA

India's Solar man speaks on sustainability at B.M.S. College of Engineering

"Avoid, minimize and generate energy in order to create a sustainable future on earth", says the Solar man of India.

While speaking on the impact of solar energy, at B.M.S. College of Engineering, Prof. Chetan Singh Solanki from IIT Bombay said that everyone must avoid, minimize and generate energy in order to create a sustainable future on earth. This event was conducted by the Department of Electrical and Electronics Engineering, B.M.S. College of Engineering (BMSCE) along with BMSCE IEEE PES and Sensors Council on the 28th of March 2022.

While making a statement on the adverse impact of extensive usage of fossil fuel based energy sources, Prof. Solanki said that, "every kilogram of carbon dioxide emitted, stays in the atmosphere for 300 years".

Making the audience aware of the effects of increased carbon footprint and global warming, he said, "the average temperature of the earth has increased by 1.8 degree fahrenheit. If human body temperature increases by 1 or 2 degree fahrenheit we say that the person is running a fever. So if the earth's average temperature has risen by 1.8 degrees we can say that the earth is running a fever". He also expounded on the various natural calamities that are a direct culmination of global warming, such as floods, droughts and forest fires that have occurred around the globe.

The solution to Climate Change, says Prof. Solanki, is the usage of solar energy.

Prof. Solanki is on a mission of creating awareness about global warming and influencing the masses to adopt solar energy as a sustainable alternative, by embarking on a 11 year tour across India in his "Solar Bus".

Prof. Solanki also spoke about the issues of Global warming and Climate change throughout the world. He stressed on the solution for energy consumption as "AMG" route wherein A stands for avoid use of energy, M stands for minimize use of energy and G stands for generation.

All attendees got an opportunity to take a look at the "Solar Bus", and understand better the need for a sustainable future here on our planet.

ENERGY
SWARAJ
YATRA 2020-2030

2. SOLAR DIYA WORKSHOP

A workshop on Solar Diya was conducted by Surya Swaraj Energy Club in collaboration with The Electrical and Electronics Association and BMSCE IEEE PELS and IES on 16th August 2022.

This workshop was conducted by Anul Suvarna and Pavan Nagur, EEE dept. The solar diya worked on a basic principle of transistor working as a switch.The solar diya was lit in dark and turned off when there was enough sun rays falling on the solar panels. The event started of with resource persons explaining the working of the circuit and later they were thought how to rig up the circuit as well.

Solar diyas are eco-friendly, and thus they don't cause any harm to the environment. Use of renewable energy is a prime necessity of sustainable development for the generations to come. It saves on power. The solar diyas charge by taking the sun's solar energy, thus involving no power to lighten up the electrical devices and is quite durable.

They eliminate the need for oil and wick thus saving the requirement of oil during the festival while also keeping the tradition alive.
The workshop was attended by over 30 students and over 15 diyas were made in the workshop with a great amount of zeal and dedication.
High regards and respect to each and every professor of the department for their constant support and the welcoming nature to ideas which made the workshop a grand success. "Knowledge has a beginning but no end"
A lot more learning and experiences to come.