



Report on Kaalnirnay Event – 2023

11th December 2023

A delve into the world of climate awareness was initiated by the **Energy Swaraj Foundation**. Climate change, driven predominantly by human activities such as burning fossil fuels and deforestation, is a pressing global challenge reshaping Earth's climate. The unprecedented increase in greenhouse gas emissions, particularly carbon dioxide, has led to a rise in average temperatures, causing far-reaching impacts. Melting ice caps and glaciers contribute to rising sea levels, threatening coastal communities. Extreme weather events, including heatwaves, storms, and wildfires, have become more frequent and severe. This phenomenon not only disrupts ecosystems and biodiversity but also poses risks to agriculture, water resources, and human societies. Urgent collective action is imperative to mitigate further damage, adapt to the changes already underway, and foster a sustainable future for generations to come.

The awareness took a kickstart here at “RV College Of Engineering”, as maximum students from various branches have undergone energy literacy training. The awareness was created by providing climate clocks to the participating institutions. The students of “**SPARK**” actively involved themselves in the registration, training, assembling and the main event.

The poster features logos for RVCE, IUCEE, and SPARK at the top left, and the Energy Swaraj Foundation logo at the top right. The main text reads: "Energy Swaraj Foundation in association with Urja Energy Swaraj Club in collaboration with SPARK The IUCEE-RVCE Student Chapter presents KAALNIRNAY Prevent before you repent". Below this is a large digital clock showing "5 YRS 234 DAYS 08:09:29" with the text "DEADLINE TIME LEFT TO LIMIT GLOBAL WARMING TO 1.5°C" above it. A red banner below the clock says "The clock is Ticking! Get a Climate Clock worth rs 10,000 for FREE". At the bottom left, it says "11th December, 2023" and "RV College of Engineering". At the bottom right, it says "For inquiries: Sushmita Sarkar: 9972361020 Suraj RS: 8073589024".

REGISTRATION: The event mainly focused on providing training and assembly of climate clocks to 50 institutions across Karnataka. To do so, the organisers from SPARK contacted various schools, colleges, private companies and government institutions through mail and calls and physically invited few of the institutions. Due to the enthusiastic effort from the organisers, we were able to register 50 institutions within a week time.



TRAINING: To help the participating institutions assemble the clocks, a detailed training session was conducted by Sachin sir. The training comprised of how the climate clock is to be assembled and the software used to program the climate clock.

Firstly, the training session started with briefing on the climate changes and what effects are happening nowadays by it. Then they were given details on the components of the climate clock, which are:

- 1) LED P10 Display – The display of the system is enabled using the 3 LED panels on the cabinet.
- 2) WF1 – Board used to control the functioning of climate clock which is Wi-Fi enabled.
- 3) Power supply which converts the 220V AC to 5V/20A DC source.
- 4) Relimate Wire and Power Connector wire – There were 3 Relimate wires used for connecting the P10 displays to the WF1, and Power wire was used to connect the Power Supply.
- 5) Cabinet – Here all the components are attached and made to work.
- 6) Software – The working of the hardware requires a software, and it is done by pre-defined software like HD2020 and LedArt app with the help of a pre-

defined program in the Energy Swaraj Portal. In HD2020 the program is opened and connected to WF1 module and LedArt app is used to configure the display screen.

The training was both fun and informative, the students were exposed to different electronic parts and, they had a fun time assembling the clock. The smiles on their face were enough to show their happiness when the clock was turned on.



DAY OF EVENT:

There were 3 Registration desks assembled in the EEE department where the participants were verified, given guidelines about the event, the food coupons were distributed and then we had a turn around with *OFFLINE* registrations which took place in full fledge.

The participating institutions were seated in the EC seminar hall. The event started with a brief introduction on climate change and energy swaraj. Later, Sachin sir gave instructions to the institutions on the assembly of the clock. After the instructions, clocks were given to the institutions for assembly.

All 50 institutions were divided into three rooms and 17 stations. Each station comprising of 2 SPARK students and 3 institutions. The organisers helped the institutions in assembling the clock, the software was uploaded, and the clock was calibrated to show the time.

Later the participants were provided lunch in the main canteen, after the refreshing lunch the assembly continued and was completed by around 2:30 pm. At 2:45 pm the participants were called back to the EC seminar hall to continue with the main event.

The main event was carried forward by the esteemed chief **guest Prof. Chetan Solanki sir**. Sir is a professor at IIT Bombay and has taken on a mission for

10 years to spread awareness on climate change. Then we had our Guests of Honours:

- 1) Mr. N Amaranath, CEO and General Manager, KSPDCL.
- 2) Mr. M S Kumar, Managing Director & CEO, Greeneria.
- 3) Dr. Shanmukha Nagaraj, Dean Academics, RV College of Engineering.
- 4) Prof. Uma B.V, Dean Students Affair, RV College of Engineering.



Then the event had an inspiring speech by Prof. Chetan Solanki Sir, where sir gave detailed view on how the climate change has occurred in this world by **EACH AND EVERY INDIVIDUAL** and must be corrected by **EACH AND EVERY INDIVIDUAL**. The fact “Energy for Locals and Energy by Locals” was taken to a high understanding. Then sir gave insights on the events planned by Energy Swaraj and Team to spread the awareness to the maximum people. Then the Guest of Honours took the stage after the spectacular words of Chetan sir. They discussed on the alternatives for the energy consumption other than burning of coal.

The enthusiastic participation of the institutions was applauded by providing certificates by the dignitaries.

This event was indeed an insightful event, and it created an awareness in the institutions to make sure energy is saved by them. This Event being the **State’s largest Climate Clock Distribution event, made sure that all the 50 clocks were turned on at the same time** with a never-ending remark on the climate changes which must be taken care by EVERY INDIVIDUAL.



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Institution Affiliated
to Visvesvaraya
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Glimpses of the event...

