



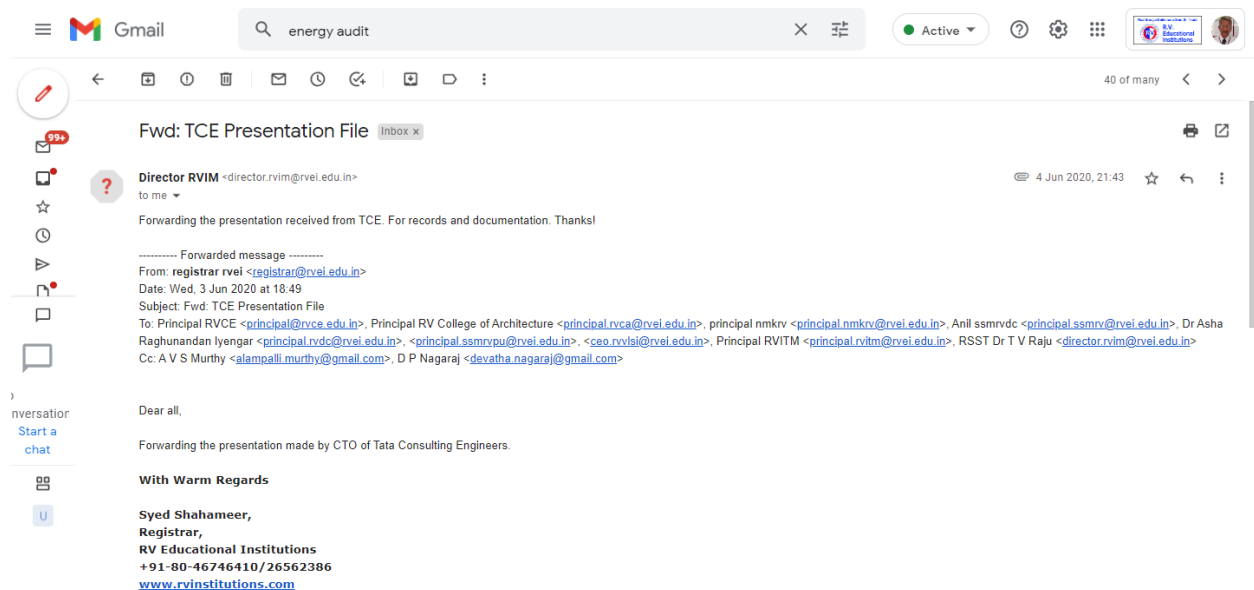
GREEN AUDIT

Presentations at Trust Office with Hon.Secretary, and Stake Holders

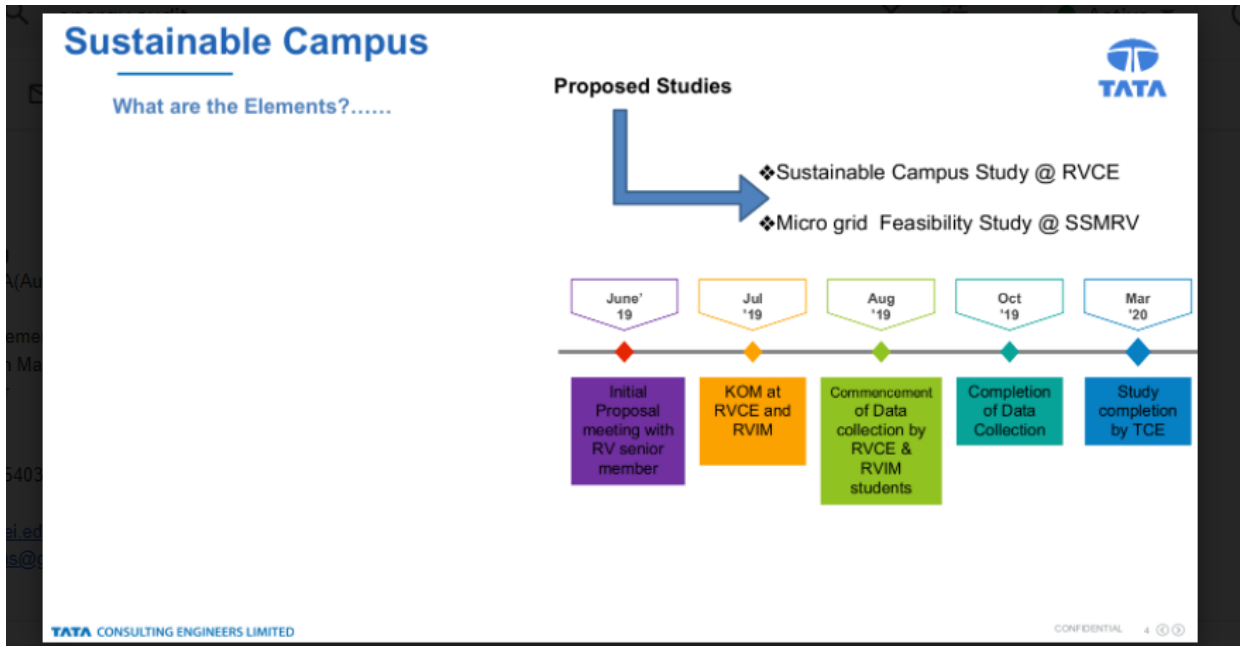
June 2020-May 2021

RVIM has formed a student team under the guidance of Coordinator, RVIM Centre for Social Responsibility, to ZERO DOWN the power wastages through student participation in conducting of Energy Audit and Awareness Programmes.

RVIM-CSR Volunteers had associated with the student volunteers and had assisted TCS in preparation of a brief report for RVIM and other institutions in the SSMRV Campus .The report was presented to the Stake holders for suggestion and implementation.



Mail Communication Dated June 4,2020



Presentation Slides

The slide here provides the brief heading on Sustainable Campus Initiative of RV Educational Institutions and the timeline marked. The further initiatives continued and is an ongoing process with a new set of student volunteers. Due to Covid 19 Protocols the networking shifted to Online.



Studies Conducted

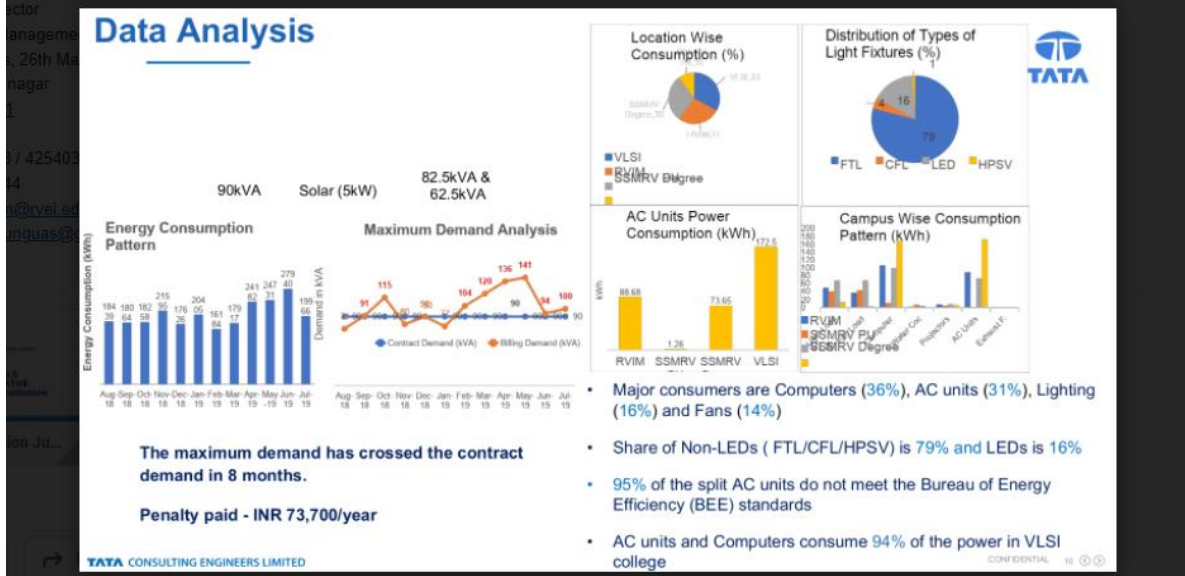


- Solar PV Roof top feasibility study carried out
- Energy audit conducted to recommend energy conservation measures
- Water audit study conducted to recommend water conservation measures
- Waste management study conducted to recommend on sewage treatment
- Feasibility of Integrated Smart System evaluated

Presentation Slides

The SSMRV Campus has SSMRV College, RV VLSI and RVIM. The campus has some space which is common usage like the Canteen, Parking etc. The student group conducted the audit for the campus and also exclusively for RVIM.

The audit focused on Green Energy initiatives & Conservation initiatives, Energy Management and identification of wastage points, Water management and recycling initiatives.



Presentation Slides

Provides students participation in the study and the data generated.

Energy Management Recommendation

Lighting & Fans

- Replace Indoor CFL / FTL lamps by LED lamps ~ 45-50% savings
- Occupation Sensors in high occupancy areas ~ 15-25% savings of LED
- Replace Outdoor HPSV fittings by Solar LED ~ 75-80% savings
- Replace Normal fans with star rated fans ~ 30-35% savings
- Overall Energy Savings ~ 16-20%

AC

- Service the split AC units ~ 10-15% savings
- Replace split AC units by star-rated ACs in frequently used labs ~ 20-25%.

IT loads

Energy conservation awareness may be created among students and staff

- Use sleep mode for computers
- Adjust the monitor brightness
- Turn off computers & monitors, printer and photocopy machines when not in use.

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Presentation Slides

The slide provides the recommendations suggested to the Management and all the stake holders

The Major Savings foreseen are:

1. Around 45-50% savings by adopting LED Bulbs for lighting purposes.
2. An occupancy sensor is an indoor motion detecting device used to detect the presence of a person to automatically control lights or temperature. By adoption of this sensor around 25 % savings can be seen.
3. All Fans need to be Star Rated to reach around 35% of savings.
4. All ACs to be Star Rated
5. Use of Sleep Mode for computers and monitor brightness needs to be up to requirement. An awareness programme needs to be planned periodically.
6. Switch Off when not in Use needs to be followed by all.

Post Lockdown

Beginning of the Year 2021- January 1

The Discussions 11 am to 1.00 pm had Staff Participation and initiated steps to Conduct Green Audit



The Non-teaching Staff were briefed about the ongoing Green Audit and their participation was encouraged.

Impact- the Green Audit is becoming to become a continuous process and awareness programmes are planned periodically to orient towards Energy Conservation and minimal consumption of resources.

The conservation approach is focused on campus wide and the responsibility of Staff and Students could be seen in the short span to adopt sustainable development practices.

Student Participation (3) Staff Participation (5)

External Support : Tata Consulting Engineers (TCE)
