



STELLA MARY'S COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi, Affiliated to Anna University, Chennai and Accredited by NAAC & Accredited by NBA (Mech & CSE))

Aruthenganvilai, Kallukatti Junction, Azhikal Post, Kanyakumari District - 629202

SMCE G9 ENSAV CLUB

ANNUAL ACTIVITY REPORT 2023

Report Prepared by,

M.E.Shajini Sheeba, AP/EEE

INTRODUCTION

The transition to a green economy . will not be possible . without well trained professionals able to tackle the challenges of globalization. and to manage major socioeconomic .and environmental transformations. - Irina Bokova Director-General - UNESCO In line with the UNESCO a healthy discussion was held between a group of technical experts across the globe on greener environment and effective use of natural resources. This discussion lead to an effective conclusion of forming a nonprofit professional society named “The Institution of Green Engineers” (IGEN) The IGEN works towards achieving United Nation Sustainable Development Goals towards Green. It aims to be the solution provider for government policy drafting, to develop innovative products which in turn would lead to provide solution to sustainable greener world and to organize activities through 9colour nonagon named IGEN VIBBGGYOR society. Serve as a catalyst to connect all professionals for building a greener world. To bring together all the professional practitioners working for creating a green community. To provide sustainable environmental solutions to achieve a green world. To inspire, inform and influence the global engineering community to adopt green engineering practices in their design, product, process and systems. Any member across the globe is eligible for IGEN Membership if he or she is interested to work and contribute whole heartily.

Stella Mary's EnSAv Club Inauguration was conducted by 8 th October 2018. Dr. R. REENA DAPHNE, Associate Professor/EEE department of Stella Mary's Engineering College of Engineering gave the welcome address. The event was inaugurated by DR.R.SURESH PREMIL KUMAR, Professor & Principal of Stella Mary's Engineering College. Stella Mary's College of engineering has insisted Energy saving awareness club,”The stella Mary's EnSAv club “under GREEN (Energy efficiency research group) on 8.10.2018.The instatement of the club was initiated by the department of Electrical and Electronics Engineering and was supported by the department of Mechanical

Engineering.Dr.I.Ramesh ,Founder & Chairman,Green9,precided over the function & resented the certificate of our college's membership.

The objectives of EnSAv club are ,

- To reduce Carbon dioxide emission by the reduction of power generation through Effective Energy Audit, Conservation and Management with Vision 10MW initiative. By increasing the contribution of renewable sources of energy.
- To certify the residents with energy efficient house through the three phase's energy audit method.
- To motivate the club members to achieve the energy ambassador certificate through the energy audit with the motto "save one unit / day" & "Save Energy – Reduce Generation".
- To implement energy efficient projects towards energy conservation.
- To publish the energy audit and projects outcomes in the conferences and indexed Journals.

With population increase energy requirements increase proportionally. Ways to produce energy through Renewable sources must be promoted and use of Non renewable sources must be reduced, so that humans can have a Green future.



Roles And Responsibilities of EnSAv Club:

- Energy Saving Awareness Club allows the student to showcase their talents and concern towards energy conservations and importance of implementing renewable sources.
- The club was launched with a motive to engage students, the future of our country, increasing awareness and taking their first steps in Energy Conservation.
- Seminars, Field Visit, Residential Energy Audit, Rally, etc are the activities conducted to create awareness among the students and staff on renewable energies.
- To implement energy efficient projects towards energy conservation.
- To publish the energy audit and projects outcomes in the conferences and indexed Journals.
- To certify the residents with energy efficient house through the three phase's energy audit method.

OFFICE BEARERS:.

Sl.No	Name	Designation
1.	Dr.R.Suresh premil kumar	Principal,EnSAv Patron
2.	Dr.A.R.Gayathri	HoD/EEE,EnSAv Mentor
3.	Mrs.M.E.Shajini Sheeba	AP/EEE,EnSAv Ambassador
4.	Mrs.I.Sabareesha Priya	AP/EEE,EnSAv Staff Coordinator
5.	Mr.S.R.Rajkumar	AP/Mech,EnSAv Staff Coordinator
6.	Mrs.S.Remma	AP/Civil,EnSAv Staff Coordinator
7.	Ms.A.Ajisha	SMCE EnSAv Chairman
8.	Mr.A. Rijo	SMCE EnSAv Vice Chairman
9.	Mr.A.Manikandan	SMCE EnSAv Secretary
10.	Ms.M.Suvatha	SMCE EnSAv joint Secretary
11.	Ms.K.Renuka	SMCE EnSAv Treasurer
12.	Mr. A.Thanush	Volunteer
13.	Mr.M.Abithran	member
14.	Mr.E.Poovarasam	member
15.	Mr.V.vignesh	member
16.	Ms.J.Joselin jeniffer	member
17.	Mr.A.Mahesh Kumar	member

ON CAMPUS EVENTS

1) **Energy Saving Stickers Campaign program and National Energy Conservation Day celebration**

The EnSAv club of Stella Mary's College of Engineering organized the Energy Saving Stickers Campaign program alongside the celebration of National Energy Conservation Day on 12/01/2023. As part of this initiative, students were actively engaged in workshops, seminars, and educational sessions tailored to energy conservation technologies, renewable energy sources, and energy-efficient practices. Through these activities, students enhanced their knowledge and skills in the field of energy conservation and sustainability. Additionally, a campus-wide sticker campaign was organized to further promote awareness and adoption of energy-saving practices






among the student community.

Facebook link : <https://www.facebook.com/share/p/6snydnttbJ73Yi9u/?mibextid=oFDknk>

2) National Naturopathy Day



The EnSAV club of Stella Mary's College of Engineering commemorated National Naturopathy Day on 23/03/2023 by organizing a special talk titled "An Integrative Medicine by Naturopathy" for all students. National Naturopathy Day serves as a reminder to embrace natural healing methods, adopt healthy lifestyle habits, and take responsibility for one's health and well-being. Through this talk, students were educated about the principles and benefits of naturopathy, encouraging them to explore integrative approaches to healthcare and holistic wellness.

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NATIONAL NATUROPATHY DAY

THEME
NATUROPATHY
AN INTEGRATIVE
MEDICINE

Chief Guests
1. **Writer Mr. SARALUR JEGAN**
2. **Mr. J. AMALRAJ,**
Traditional Medicine & Pranik Healing

Convenor
Dr. A. R. Gayathri,
Head of Department - EEE

Venue
Conference hall

Date & Time
23 March 2023 : 11:30a.m. to 12:30p.m.

Coordinators
Ms. M. E. SHAJINI SHEEBA,
EnSAV Club- Convenor
Mr. S. R. RAJKUMAR
IIC Convenor
Mrs. I. SABAREESA PRIYA
Asst.Prof./EEE


Principal & IIC President
Dr. R. SURESH PREMIL KUMAR

Director
Dr. J. JENIX RINO

Chairman
Dr. NAZERATH CHARLES

organised by
ENSAV Club in association with
Stella Mary's Institution's Innovation council

For more details
iic@stellamaryscoe.edu.in

 -91 88709 65280



Facebook link : <https://www.facebook.com/share/p/ranmnos7vfgA7eMA/?mibextid=oFDknk>

3) World Environment Day

On 05/06/2023, World Environment Day was celebrated at Stella Mary's College of Engineering, with the EnSAv club leading a collaborative effort alongside the Environmental club to organize a campaign advocating for a plastic-free campus. Through a series of activities, workshops, and awareness sessions, students, faculty, and staff were engaged in learning about the environmental impacts of plastic usage and encouraged to embrace eco-friendly alternatives. This campaign aimed to instill a sense of responsibility towards environmental conservation, fostering a culture of sustainability within the college community.



Facebook link : <https://www.facebook.com/share/p/te3uM1ct1kFgmLBx/?mibextid=oFDknk>

4) Plantation Day

On 27/07/2023, Stella Mary's College of Engineering celebrated Plantation Day as part of our Founder and Chairman's birthday festivities. Our students and faculty members enthusiastically participated in planting trees and other vegetation, contributing to the expansion of green cover and biodiversity on our campus. This initiative not only honored our Founder and Chairman but also demonstrated our commitment to environmental conservation and sustainability. Through collective efforts, we aim to create a greener and healthier environment for all members of the SMCE community.





Facebook link : <https://www.facebook.com/share/p/a1ffKLoLQ726gKPX/?mibextid=oFDknk>

5) Green Day

On Green Day 2023, Stella Mary's College of Engineering hosted a variety of events aimed at promoting environmental awareness and sustainability. These activities included tree planting, beach clean-ups, park restoration, recycling drives, and sustainable gardening projects. Through hands-on participation in these initiatives, students were empowered to take meaningful action to enhance their local environment.



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SMCE ENSAV CLUB celebrates

"IGEN GREEN DAY"

Vitality Valiant Of Green World

October 22nd, is observed as the IGEN GREEN DAY with an objective to inspire people on being green and to carry out any one of the Green actions listed or any other of one's own choice.

Principal & IIC President: Dr.R.Suresh Premil Kumar.	Director: Dr.J.Jenix Rino.	
SMCE EnSAv Ambassador: Mrs.M.E.Shajini Sheeba,AP/EEE.	SMCE EnSAv Co-ordinators: Mrs.J.Sabareesa Priya,AP/EEE. Mr.S.Rajkumar,AP/Mech.	SMCE EnSAv Student Co-Ordinators: A.Ajisha (Chairman), A.Rijo (Vice Chairman).



Facebook link : <https://www.facebook.com/share/p/8CVd79hsbf2Bm4nP/?mibextid=oFDknk>

6) **National Pollution Control Day**

On 04/12/2023, Stella Mary's College of Engineering, alongside its EnSAv club, marked National Pollution Control Day 2023. On December 4, 2023, a Working Demo Model Competition was conducted under the theme "Climate Change and Its Prevention" along with discussions on various types of pollution and their prevention measures. The event witnessed the enthusiastic participation of more than 20 students who presented their innovative working models addressing the aforementioned topics.

The Chief Guest for the event was Dr. S.T. Gopu Kumar, Research Associate at Saratha Krishna Homeopathy Medical College. Dr. Kumar enlightened the audience, comprised mainly of students, on the pivotal role of plants and forests in combating climate change and maintaining ecological balance. During his address, Dr. Kumar emphasized the significance of biodiversity conservation, highlighting the crucial role played by trees and forests in carbon sequestration and oxygen production. He also shed light on the interconnectedness of various ecosystems and the adverse effects of deforestation and habitat destruction on global climate patterns.





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NATIONAL POLLUTION CONTROL DAY-2023



CHIEF GUEST
 Dr.S.T.Gopukumar, M.Tech., M.Sc., Ph.D.,
 > Research Associate (Research Officer 2),
 Sarada Krishna Homoeopathic Medical
 College, Kulasekharam.
 > Founder Trustee & Treasurer,
 Tejas Seva Trust, Attinkarai,
 Manavalakurichi Post.

COMPETITION

WORKING/DEMO MODEL EXPO ON

- CLIMATE CHANGE AND ITS PREVENTIONS.
- VARIOUS POLLUTIONS AND ITS PREVENTIONS.

☆ *Maximum three members per team.*
 ☆ *Appreciation certificate with attractive cash prize for winners.*
 ☆ *Participation certificate for all.*

First prize-Rs.500
 Second prize-Rs.300
 Third prize-Rs.200

Director & UBA Co-Ordinator:
Dr.Jjenix Rino

Convenors:
 Mrs.M.E.Shajini Sheeba, AP/EEE,
 Convenor-EnSAV club.
 Mr.S.R.Raj Kumar, AP/Mech,
 Convenor-IIC.

Principal & IIC President:
Dr.R.Suresh Premil Kumar

Co-Ordinators:
 Mrs.I.Sabareesa Priya,
 Assistant Professor, Dept. of EEE.
 Dr.M.Benjamin,
 Assistant Professor,
 Dept. of S&H (Chemistry).

Date
04-12-2023

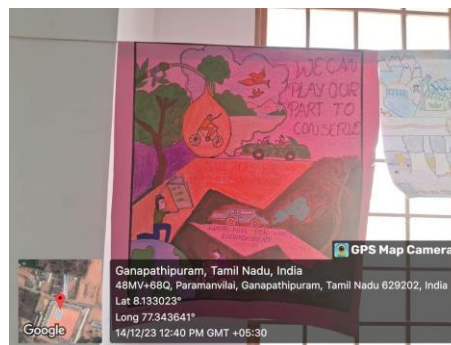
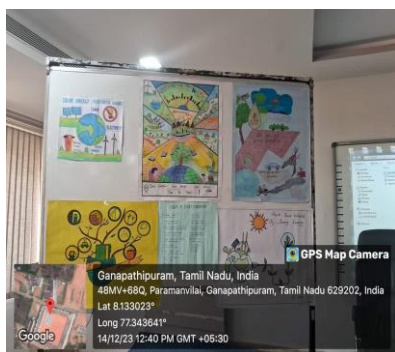
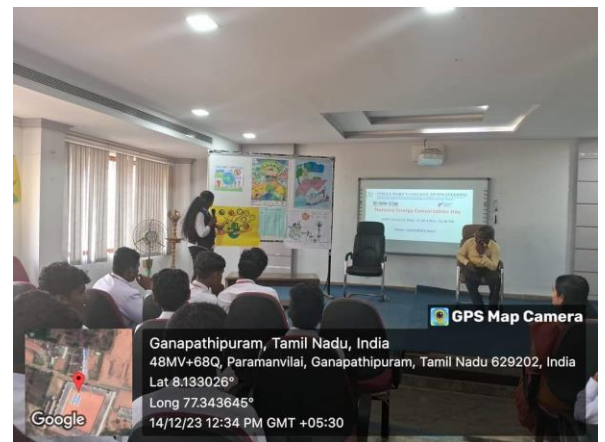
Time
9:30 AM to 4:00 PM

Organized by,
**EnSAV club in association with Science club and
 Institutions Innovation Council**

Facebook link : <https://www.facebook.com/share/p/dHnE94rVkJx5RHkk/?mibextid=oFDknc>

7) National Energy Conservation Day

On 14/12/2023, in celebration of National Energy Conservation Day 2023, Stella Mary's College of Engineering, with the active participation of its EnSAv club, conducted assessments to evaluate the impact of various activities. These included promoting student involvement in a Green energy audit, Poster Presentation, and Slogan Writing competitions. The assessments aimed to measure key metrics such as energy consumption reduction, cost savings, greenhouse gas emission reductions, and student engagement levels.



The Chief Guest for the event was Dr. M.Marsaline Beno, Dean of Research at St. Xavier's College of Engineering. Dr. M.Marsaline Beno, enlightened the audience, predominantly comprised of students, on the procedure of Energy Audit, emphasizing its significance in fostering energy efficiency and sustainability. He explained the methodology and importance of Energy Audit, highlighting its role in identifying energy consumption patterns, assessing energy efficiency opportunities, and recommending measures for energy conservation. He emphasized

the importance of conducting regular Energy Audits in various sectors, including industrial, commercial, and residential, to optimize energy usage and reduce carbon footprint. Furthermore, He also explained the benefits of implementing Energy Audit recommendations, which include cost savings, environmental conservation, and enhanced operational efficiency. He stressed the need for interdisciplinary collaboration and data-driven approaches in conducting comprehensive Energy Audits to achieve tangible results.

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Nadu, South India.



National ENERGY Conservation Day 2023

Seminar on Energy Audit and Energy Conservation
Competition: Poster Presentation and
Slogan Writing on Energy Conservation

CHIEF GUEST
Dr. M. Marsaline Beno
Dean-Research
St. Xavier's Catholic College of Engineering

DATE & TIME
Thursday, 14TH DECEMBER 2023 AT 10.00 A.M

VENUE
CONFERENCE HALL, STELLA MARY'S COLLEGE OF ENGINEERING

COORDINATORS
Ms. M. E. SHAJINI SHEEBA - ENSAV Club - Convener
Mr. S. R. RAJKUMAR - IIC Convener
Mrs. I. SABAREESA PRIYA - Asst. Prof./EEE

CONVENORS
Dr. F. Michael Raj
HOD, DEPARTMENT OF MECHANICAL
Dr. A. R. Gayathiri
HOD, DEPARTMENT OF EEE

DR. R. SURESH PREMIL KUMAR **DR. J. JENIX RINO** **DR. NAZERATH CHARLES**
PRINCIPAL & IIC PRESIDENT DIRECTOR CHAIRMAN

Facebook link : <https://www.facebook.com/share/p/TYFHzygwdLPfqkHi/?mibextid=oFDknk>

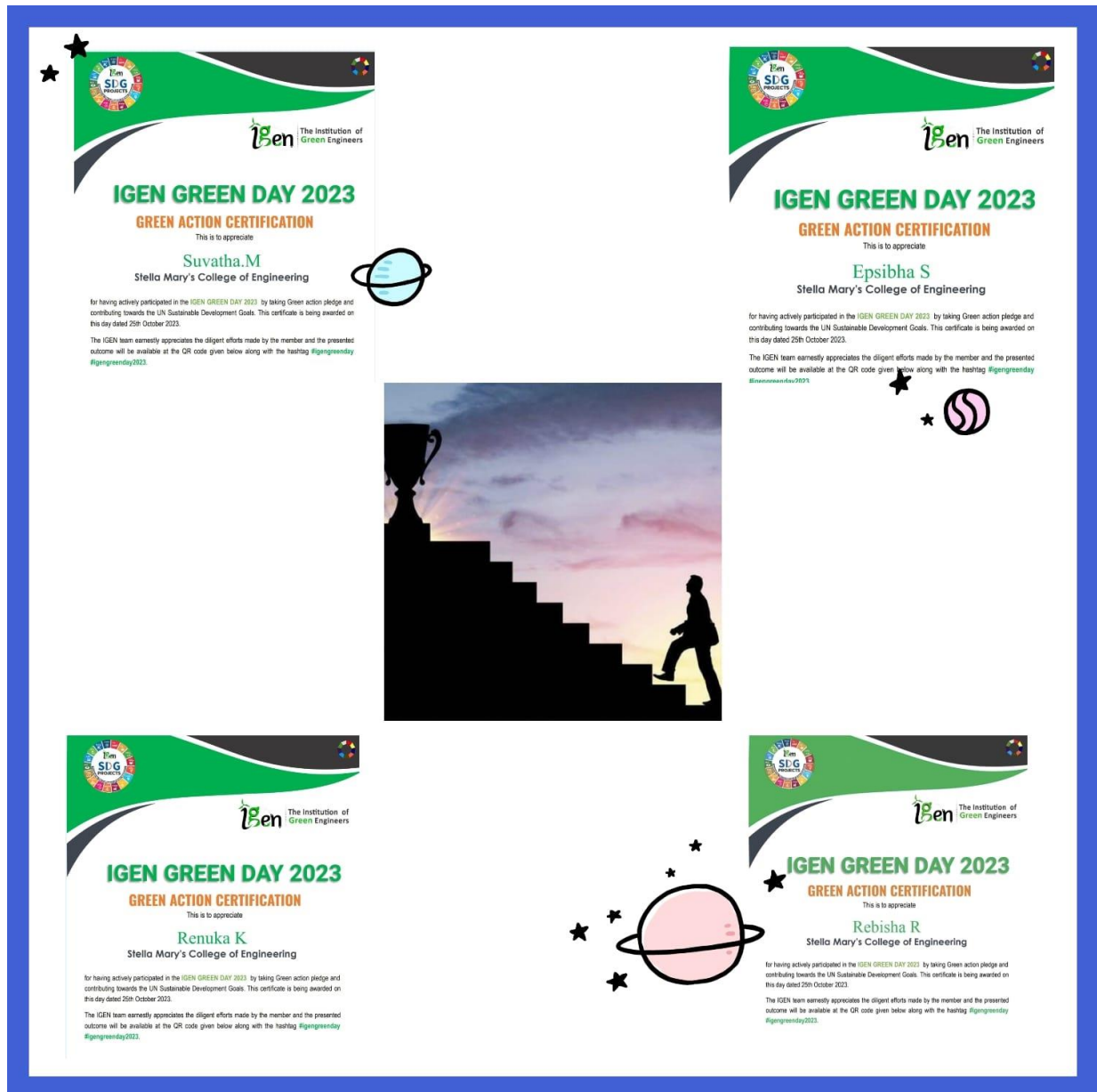
OFF CAMPUS EVENTS



The photos ascribed above which are events providing '9' Mantras sheet to the peoples and insisting them to conserve the energy for the future Generation On July 24, 2023, the ENSAV club orchestrated a remarkable occasion that brought together faculty members from nearby institutions, all united under the banner of energy conservation. Against the backdrop of a warm summer's day, educators converged to explore innovative approaches to fostering sustainable practices within their respective academic spheres. The event pulsated with an atmosphere of collective determination and shared responsibility as discussions centered on the imperative to conserve energy for a greener future. Through engaging workshops and insightful presentations, participants delved into practical strategies and emerging technologies aimed at reducing carbon footprints and promoting environmental stewardship. As the day progressed, bonds were forged,

and ideas ignited, underscoring the profound impact of collaborative efforts in the pursuit of a more sustainable world. July 24th, 2023, thus marked a pivotal moment, where the seeds of change were sown, catalyzing a movement towards a brighter, more energy-efficient tomorrow.

ACHIEVEMENTS



Outline notable achievements of the ENSAVCLUB during the reporting period, mention the information with certificate On the occasion of IGEN Green Day, at the behest of the ENSAV club, the spirit of environmental consciousness permeated the gathering of faculty members from neighboring institutions. As the day unfolded, amidst discussions and workshops aimed at

promoting energy conservation, the achievements of dedicated individuals in championing sustainability were duly celebrated. A highlight of the event was the acknowledgment of these achievers, who exemplified unwavering commitment to green initiatives. With admiration and gratitude, prizes were bestowed upon these visionaries, recognizing their outstanding contributions to the cause of environmental preservation. Their efforts served as an inspiration to all present, reaffirming the collective resolve to nurture a greener, more sustainable future for generations to come. In honoring these achievers, IGEN Green Day not only celebrated individual excellence but also reinforced the ethos of community engagement and our shared responsibility



in safeguarding

OUTREACH AND ENGAGEMENT

The Ensav club embarked on a local visit to residential areas with a mission to heighten awareness within the community. Armed with informative materials and a set of prepared questions, the team engaged residents in meaningful conversations, delving into their perspectives on pertinent issues. Through surveys, interviews, and firsthand observations, valuable insights were garnered, shedding

light on prevalent concerns and priorities. Documenting the visit through photographs and notes, the club captured the essence of community engagement and the realities faced by residents. Post-visit analysis revealed notable findings, steering the focus towards actionable recommendations. As the report takes shape, it aims to serve as a catalyst for positive change, advocating for solutions and fostering collaboration among stakeholders. With a commitment to follow-up and action, the Ensav club remains dedicated to amplifying voices and championing progress within the local community.



CONCLUSION

In conclusion, the annual submission of SMCE G9 ENSAV Club activities serves as a testament to our commitment to noble deeds and societal betterment. Through a year of dedicated efforts, we have made tangible impacts, fostering positive change and community empowerment. From environmental initiatives to educational outreach programs, each endeavor reflects our unwavering dedication to serving society. Our activities stand as a beacon of hope, inspiring others to join us in our mission of upliftment and progress. As we reflect on our accomplishments, we are reminded of the transformative power of collective action and shared purpose. With gratitude for the support of our members and partners, we look forward to continuing our journey towards a brighter, more inclusive future for all.