

7.1.6 - Quality audits on environment and energy are regularly undertaken by the institution

V.S.R. Government Degree & P.G. College

NAAC Reaccredited with a CGPA of 3.01 score at 'A' Grade

(Affiliated to Krishna University)

Dr. S. Madhavi
M.Sc, B.Ed., Ph.D.
PRINCIPAL



Movva : 521135, Krishna Dist. A.P
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Clean and Green Campus Policy

A Clean & Green Campus represents the convergence of environmentally friendly practices and education to foster sustainability and eco-conscious behaviors within the campus community. Embracing the green campus concept empowers an institution to spearhead the transformation of its environmental ethos, forging innovative approaches that address the ecological, social, and economic requirements of humanity through sustainable solutions.

Mission

Foster an eco-aware mindset within society and engage proactively in initiatives aimed at shielding our planet from reckless human encroachments, striving for a future marked by sustainability, cleanliness, and well-being.

Objectives

1. To raise awareness among students and staff about the need to reduce the use of polluting products and encourage the adoption of environmentally friendly alternatives.
2. To emphasize the significance of cleanliness in maintaining a healthy lifestyle.
3. To promote awareness of environmental issues through various activities such as events, rallies, awareness campaigns, cleanliness drives, seminars, workshops, presentations, tree plantation drives, rangoli competitions, essay competitions, excursions, study tours, guest lectures, talks, etc.
4. To educate students and staff about the importance of speaking out against harmful practices that damage the environment and to advocate for environmentally friendly practices within society.

Initiatives Taken to Implement the Clean and Green Campus Policy

- Landscaping Featuring Trees and Plants:
- Implementation of a Single-Use Plastic Ban
- Establishment of a 20 Kv Solar Plant on College Grounds
- Adoption of LED Bulbs/Tubes and Power-Efficient Equipment
- Implementation of Rainwater Harvesting Initiatives
- Transition to a Paperless Office and Communication System
- Implementation of an Effective Solid Waste Management System
- Placement of Display Boards to Promote Environmental Sensibility on College Campus
- Observance of Special Days to Promote and Nurture the Environment
- Conducting Green, Environmental, and Energy Audits




Principal.

PRINCIPAL
VSR GOVT.DEGREE & PG. COLLEGE
MOVVA

1. Green audit / Environment audit

Environmental Policy of the College

V.S.R Government Degree & PG College, Movva, is committed to upholding high standards in both environmental consciousness and quality. The institution has implemented numerous initiatives to safeguard its environment, ensuring a pollution-free campus.

As a college that prioritizes environmental awareness, both the administration and students take conscientious care of the surroundings. Annually, during the rainy season, tree plantation drives are conducted and meticulously maintained. V.S.R Government Degree & PG College, Movva assumes the responsibility of preserving and upholding the environmental initiatives undertaken on the campus.

The entire faculty, both teaching and non-teaching, at V.S.R Government Degree & PG College, Movva, is dedicated to engaging in activities for sustainable development. This commitment will be realized through the following initiatives:

- Raising awareness among students and staff about responsible water usage.
- Implementing 'Rainwater Harvesting' on the campus.
- Maximizing the use of Information and Communication Technology (ICT) while minimizing paper usage to move towards a 'Paperless Office.'
- Utilizing solid waste for composting on the campus and using it as fertilizer.
- Mitigating sound pollution within the campus.
- Safeguarding and nurturing the flora and fauna on the campus.
- Sustaining a green campus environment.

The Green Audit is conducted in accordance with the environmental policy of the V.S.R Government Degree & PG College, Movva. The objective of the audit is to assess current practices and offer recommendations for the improvement of environmental policies and practices in the following areas:

- Water Conservation and Management
- Tree Plantations
- Bio-diversity and the preservation of threatened/endangered species
- Eco-friendly campus
- Green environment and a clean campus

The purpose behind conducting a Green Audit is to enhance the environmental conditions within and surrounding institutes, colleges, companies, and other organizations. This is achieved through activities such as waste management, energy conservation, and other initiatives, ultimately transforming the institution into a more environmentally friendly entity.

Green Audit Goals

- Ensure environmental security and mitigate threats to human health through the implementation of Green Audit.
- Ensure compliance with rules and regulations governing environmental practices.
- Prevent and address environmental disruptions that are challenging to manage and require significant corrective measures, often incurring high costs.
- Provide recommendations for the adoption of optimal protocols contributing to sustainable development.

Advantages of Green Audit

- Facilitates the development of plans to safeguard the environment.
- Identifies cost-saving strategies through waste minimization and management.
- Highlights current and future environmental impacts.
- Ensures compliance with relevant laws.
- Empowers organizations to enhance their environmental performance.
- Creates a positive institutional image, fostering improved relationships with stakeholders.
- Promotes awareness of environmental guidelines and responsibilities.



Certificate

HYM International Certifications Pvt. Ltd.

Certified that the Environmental Management System of

VEMURI SUNDARA RAMAIAH GOVERNMENT DEGREE & P. G COLLEGE

Movva, Krishna Dist, Andhra Pradesh, India

has been assessed and found to be in accordance with the requirements of the environmental standards

ISO 14001 : 2015

for the following scope of certification

IMPLEMENTATION OF GREENERY AND ENVIRONMENTAL PROMOTION ACTIVITIES

Further information about the scope of this certificate and applicability of ISO 14001 : 2015 requirements may be obtained by consulting the organization.

Issue Date : 17/01/2022

1st Surveillance : 16/01/2023

Renewal Date : 16/01/2025

2nd Surveillance : 16/01/2024



Authorized Signature

Certificate No : **E91864140145**

HYM International Certifications Pvt. Ltd

NOTE: This Certificate is Valid From 17/01/2022 to 16/01/2023

This is an accredited certificate authorized for issue by Accreditation Service for Certifying Bodies (ASCB) Limited who have assessed HYM International Certifications Pvt. Ltd. against defined criteria and in accordance of ISO 17021:2015 "Conformity Assessment - Requirements for bodies providing audit and Certification of management Systems".
www.hymcertifications.com go for checking the validation of the Certification

Regd. Office : Plot No. 265/G, Arkhagutta Society, Opp. JNTU, Kukatpally, Hyderabad - 500 072, Telangana State, India
E-mail: shiv@hymcertifications.com, Website: www.hymcertifications.com

Water Management

Water stands as a precious natural resource crucial for the well-being of all living organisms. Its availability is contingent upon the climate and topographical features of a given region. Despite its natural abundance, portable (drinkable) water, essential for human consumption, is not universally accessible. While 70% of our planet is covered by water, merely 3% of it is fresh water. A staggering 1.1 billion people worldwide grapple with water crises. The escalation of water pollution and wastage significantly contributes to this crisis, posing a threat to human health and well-being.

The alarming rate at which water contaminations occur underscores the urgency of addressing this issue. Consumption of contaminated water can lead to various diseases and even fatalities. Therefore, ensuring that drinking water is safe, clean, and free from bacteria and diseases is paramount.

Efforts to conserve, protect, and manage water resources are crucial for sustainable usage. In our college, a thorough examination of water quality will be done by the experts and found safe then allowed to use within the campus. Water auditing serves as a tool for evaluating raw water intake facilities and identifying water treatment and reuse capabilities.

Source of Water

S.No	Resource	Quantity
1	Borewell	01

Water Users in Campus

S.No	Person in different section	No of persons
1	Staff	35
2	Students	189
3	Visitors	50
	Total	274

Quantity of water used in different sections of the college

S.No	Sections	Water usage(liters/day)
1	Main Building	500
2	Canteen	200
3	Labs	500
4	Urinals and Toilets	3000
5	Gardening	3000
6	Departments	500
7	Drinking	1000
8	Leakage	200
	Total	8900

Observation regarding of water usage

- At present waste water is not recycled or reused in any form in the college premises
- The rain water is collected in pound in the college campus to improve ground water levels.

Recommendations

- To establish and implement the Water Conservation and Management Plan as per Environment Protection Act 1986.
- The water Conservation Awareness Program to be conducted on World Water Day on 22nd March every year.
- Display boards for switching off the taps to be put on at appropriate place.
- To eliminate the spillage and over usage of water in washbasins, urinals and toiler push taps are highly recommended.
- Special Internal Water Audit to be conducted quarterly.

Water Quality Audit Report

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To,

The Assistant Engineer ,

RWS & S Section,

Movva.

Sir,



Sub: VSR Government Degree & PG College, Movva, Krishna District-
Request for chemical analysis of ground water fetched from bore wells
located in our college campus- Reg.

I bring to your kind notice that our college is going for accreditation by National Assessment and accreditation Council (NAAC), Bangalore in ensuing months as part of periodical quality accreditation. It is mandatory to provide the green audit report which includes chemical analysis of the water sources present in the college campus for accrediting the institution.

I, therefore request you to kindly perform the chemical analysis of sample of water fetched from the bore well located in our college campus and send the report at the earliest.

Thanking you sir,

Yours faithfully,


PRINCIPAL 10/11/2023
V.S.R. Govt. Degree & P.G. College
MOVVA-521135, Krishna Dt., A.P


GOVT. OF ANDHRA PRADESH
RURAL WATER SUPPLY AND SANITATION DEPARTMENT
R.W.S INTERNAL WATER QUALITY MONITORING LABORATORY
GUDIWADA, KRISHNA DISTRICT-521301
WATER ANALYSIS REPORT CHEMICAL MG/Litre, Bacterio Logical - MPN/100ML.
Drinking Water Quality Standards (IS:10500 - 2012)

Samples Referred From:- Assistant Engineer RWS&S-Section, Movva
Samples Collected and submitted by:- U.Surya Kumar (Lecturer in Maths)

Sl.No	Tested Date	Lr.No	Mandal	Village / Habitation	Source	Location	Colour (5.0-15.0)	Turbidity (1-5 Ntu)	P.H (6.5-8.5)	Electrical Conductivity (microhmhos/Cm ² C 0-2500)	Total Dissolved Solids (500-2000) Mg/Lit	Total Alkalinity (CaCo ₃) (200-600) Mg/Lit	Total Hardness (CaCo ₃) (200-600) Mg/Lit	Calcium (Ca ²⁺) (75-200) Mg/Lit	Magnesium (Mg ²⁺) (30-100) Mg/Lit	Chloride (Cl-) (250-1000) Mg/Lit	Fluoride (F) (1.0-1.5) Mg/Lit	Nitrates (No ₃) (0-45) Mg/Lit	Sulphate (So ₄ ⁺) (200-400) Mg/Lit	Total Iron (Fe) (0.3 - 1.0) Mg/Lit	Bacteriological		Remarks
																					Mpn of Coli form Per 100 ml	Result	
1	10/11/23	4610	Movva	Movva	B.W	VSR Govt., Degree & P.G.College	Less	Nil	7.37	1036	664	492	88	14	10	218	0.17	3.6	12	0.05	0	Safe	Potable

Y. S. Kumar
13/11/23
Lab Chemist/Microbiologist
IWQM Laboratory
RWS&S-Division, Gudivada

Conclusion of water audit: The water is safe to drink

2. Energy audit

This metric encompasses energy consumption, energy sources, energy monitoring, lighting, appliances. There is no need for further clarification regarding the inclusion of energy usage in the assessment. Electrical energy source is used in the college.

Recommendations

- Estimating the energy consumption for individual buildings is essential for formulating an effective energy conservation plan.
- The college department staff should assume responsibility for the Annual Maintenance of Electrical Equipment instead of outsourcing it.
- Raise awareness about energy conservation by strategically placing informational boards.
- Incorporate alterations in building structures during new constructions to promote natural ventilation and illumination.





 **GPS Map Camera**



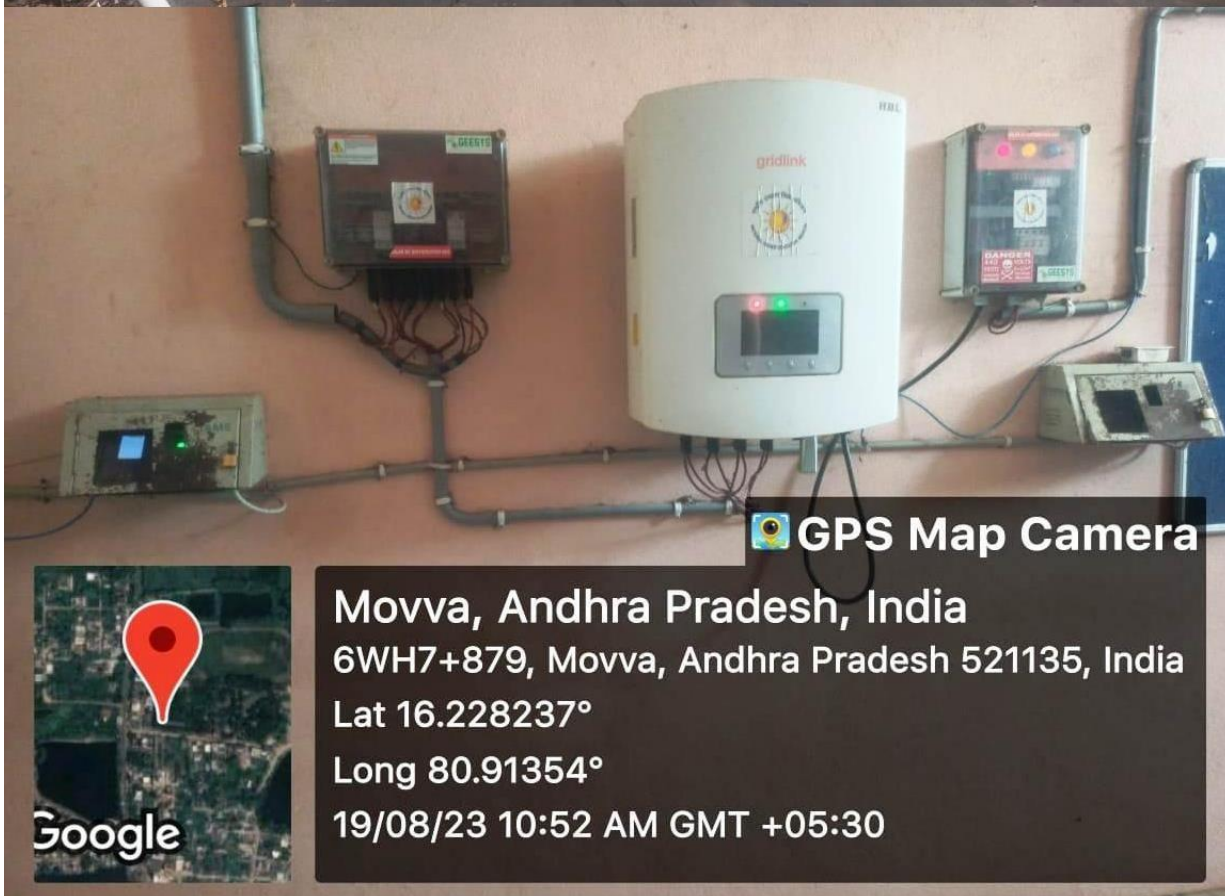
Movva, Andhra Pradesh, India


6WH7+879, Movva, Andhra Pradesh 521135, India

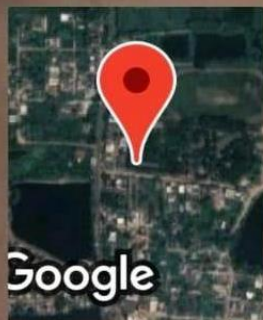
Lat 16.228218°

Long 80.913467°

19/08/23 11:05 AM GMT +05:30



 **GPS Map Camera**



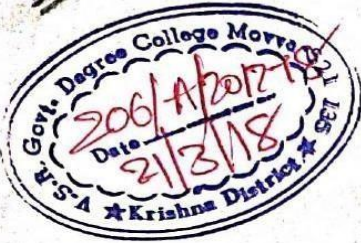
Movva, Andhra Pradesh, India

6WH7+879, Movva, Andhra Pradesh 521135, India

Lat 16.228237°

Long 80.91354°

19/08/23 10:52 AM GMT +05:30



Date: 29-01-2018

Government of Andhra Pradesh
GER 19-A

Form of Utilization Certificate

V.R. Jyotsna
Principal
21/3/18

No.	Cheque No. & Date	Title of the work	Amount paid (Rs.)
1	RTGS , dtd: 16-08-2017	Solar Panel	13,48,000
2	303233, dt: 11-01-2018	- Do -	3,36,942
Total Rs.			16,84,942

It is certified that the amount of Rs. 16,84,942/- (Rupees Sixteen lakhs Eighty Four Thousand Nine Hundred Forty Two Only) was utilized towards installing of solar panel at Government Degree College VSR GD & PG College, Movva, Krishna executed by the Windstream Energy Technologies India Pvt. Ltd., Hyderabad vide the letter from the State Project Director, RUSA, O/o Commissioner of Collegiate Education, AP, Vijayawada, dt: 23-11-2017 and the said amount was utilized for the purpose of installing solar panel for which it was sanctioned and in accordance with the terms and conditions as laid down by the RUSA.



Windstream Energy Technologies
India Pvt. Ltd.,
Hyderabad
K. Syama Sundara Rao

Signature : 1) Principal
(Dr.V.R.Jyotsna Kumari)

2) RUSA Coordinator
(Mr.S. Jagan Mohan Rao)

Date:
Seal:

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Movva - 521135, Krishna Dt. A.P.

Phone No : 08671 252451

Mobile : +91 99 48 12 17 14

Email id: gdcjke.movva@gmail.com

Website: www.gdemovva.com

Letter Rc.No. /VSR GDC/Movva/2023 Dated: 09-11-2023

09-11-2023

To
The Assistant Accounts Officer
Electricity Board
Pamarru
Krishna Dt
Respected Sir,

Subject: VSR GDC Movva- Electricity service No: 6233100000426-Request for
Information on Solar Power Unit Generation and Utilization Status - reg.

I am writing on behalf of VSR Govt Degree & Pg college, to request you the information regarding the current status of the solar power units generated by our solar power panels during the years 2018 to 2023, as well as our utilization status of the units generated. This information is crucial for our internal records and reporting purposes.

We kindly request the following details:

The total units of solar power generated by our solar power panels during the years 2018 to 2023.

The utilization status of the units generated, including the breakdown of the usage for different purposes or departments within our organization.

Any relevant details on fluctuations or variations in the generation or utilization of solar power units during the specified period.

We understand that your office manages a significant amount of data, and we greatly appreciate your assistance in providing us with the necessary information. This data will enable us to evaluate our energy usage patterns, plan for future energy requirements, and assess our contribution to sustainable energy practices.

If there are any specific procedures or requirements for obtaining this information, please let us know so that we can fulfil them promptly. We would be grateful if you could provide us with the requested information at your earliest convenience.

Thanking you,

Yours faithfully,

Dr. S. Madhavi
09/11/23
PRINCIPAL

V.S.R. Govt. Degree & P.G. College
MOVVA-521135, Krishna Dt., A.P.



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ANDHRA PRADESH CENTRAL POWER DISTRIBUTION CORPORATION LIMITED

SCNO : 6233100000426	NAME : GOVT.DEGREE COLLEGE
PHASE : 3	CAT / SOCIAL CAT : LT4-14 /
SD / ACD : 35344 / 0	CTR / CON LOAD : 27.818 / 27.818
SERVICE TYPE : NONSLAB	ADDRESS : MOVVA,MOVVA,MOVVA MANDALAM,MOVVA MANDALAM

SECTION : MOVVA
AE CONTACT : 9440812158
ERO : PAMARRU
AAO CONTACT : 9440817587

LINEMAN CODE : 623311101
LINEMAN NAME : D.BENERJI
LINEMAN CONTACT : 7382608674

Net Meter Bill Details

USCNO	DGDT	CLSTAT	EXPOPRDG	EXPCLRDG	EXPBU
6233100000426	04-MAR-18	01	null	0	null
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6233100000426	07-MAY-18	01	2299	2697	398
6233100000426	02-JUN-18	01	2697	4944	2247
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6233100000426	02-FEB-19	01	10089	10831	742
6233100000426	02-MAR-19	01	10831	11483	652
6233100000426	03-APR-19	01	11483	12437	954
6233100000426	04-MAY-19	01	12437	13312	875
6233100000426	04-JUN-19	01	13312	14137	825
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6233100000426	02-AUG-19	01	14711	15050	339
6233100000426	04-SEP-19	01	15050	15650	600
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6233100000426	02-MAR-20	01	17659	18011	352
6233100000426	03-APR-20	01	18011	18872	861
6233100000426	04-MAY-20	01	18872	20037	1165
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6233100000426	02-JUL-20	01	20960	21481	521
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6233100000426	04-MAR-21	01	24988	25458	470
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6233100000426	05-MAY-21	01	26150	26902	752
6233100000426	04-JUN-21	01	26902	27792	890
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6233100000426	05-APR-23	01	36948	37443	495
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6233100000426	03-NOV-23	01	40883	41485	602

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A P C P D C L :: Net Meter Billing Report

Date : 28-NOV-24 16:46:46

USCNO : 6233100000426 NAME : GOVT.DEGREE COLLEGE

CTR LOAD : 27.818

ADDRESS : MOVVA,MOVVA,MOVVA MANDALAM,MOVVA MANDALAM,

SECTION : MOVVA

INSTALLED CAPACITY : 20 kw

DISTRIBUTION : 00-Movva (HQ)

MONTH	TYPE	OPRDG-IMP	CLRDG-IMP	IMP UNITS	OPRDG-EXP	CLRDG-EXP	EXP UNITS	NET UNITS
JUN-23	KVH	118736	119406	670	37868	38784	916	-246
JUL-23	KVH	119406	121727	2321	38784	39257	473	0
AUG-23	KVH	121727	123628	1901	39257	39788	531	0
SEP-23	KVH	123628	125586	1958	39788	40372	584	0
OCT-23	KVH	125586	127443	1857	40372	40883	511	0
NOV-23	KVH	127443	129230	1787	40883	41485	602	0
DEC-23	KVH	129230	131574	2344	41485	41771	286	0
JAN-24	KVH	131574	132857	1283	41771	42071	300	0
FEB-24	KVH	132857	133747	890	42071	42532	461	0
MAR-24	KVH	133747	134917	1170	42532	43189	657	0
APR-24	KVH	134917	136699	1782	43189	43795	606	0
MAY-24	KVH	136699	138056	1357	43795	44394	599	0



Certificate

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Certified that the Energy Management System of

VEMURI SUNDARA RAMAIAH GOVERNMENT DEGREE & P. G COLLEGE

Movva, Krishna Dist, Andhra Pradesh, India

has been assessed and found to be in accordance with the requirements of the Energy standards

ISO 50001 : 2011

for the following scope of certification

IMPLEMENTATION OF ENERGY SAVING PRACTICES

Further information about the scope of this certificate and applicability of ISO 50001 : 2011 requirements may be obtained by consulting the organization.

Issue Date : 17/01/2022

1st Surveillance 16/01/2023

Renewal Date : 16/01/2025

2nd Surveillance 16/01/2024



Authorized Signature

Certificate No : **En9186414053**

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www.hymcertifications.com on for checking the validation of the Certification

Regd. Office : Plot No. 285/C, Addagutta Society, Opp. JNTU, Kukatpally, Hyderabad - 500 072, Telangana State, India.
E-mail: siva@hymcertifications.com, Website: www.hymcertifications.com

3. Clean and green campus initiatives

V.S.R Government Degree & PG College, Movva aspires to cultivate a Campus that is both Clean and Green, integrating environmentally friendly practices and education to foster sustainability within the campus and extend its influence beyond. The concept of a green campus provides the institution with a platform to proactively reshape its environmental ethos by instilling environmental ethics among both students and staff. The Institute is dedicated to championing a Clean and Green campus by embracing, implementing, and advocating for environmentally friendly practices among its community, aiming to cultivate eco-consciousness within and beyond the campus borders.

The expanding impact of human activities on the planet presents significant environmental challenges that persistently escalate. Addressing the detrimental effects on the ecosystem, which consequently influence our relationship with the Earth and each other, demands an unprecedented collective effort. Embracing a comprehensive range of problem-solving approaches is essential to bring about substantial and positive transformations.

The goal is to raise awareness among young students and the public regarding different environmental issues and the conservation of nature and resources in their vicinity. This involves educating them on adopting eco-friendly lifestyles. Specific objectives include informing students about environmental hazards, fostering an understanding of individual responsibility in environmental preservation, and motivating them to take small yet impactful steps to save the environment. Additionally, the initiative aims to inspire students to maintain cleanliness in their surroundings, educate them on promoting awareness among the public, and emphasize the importance of addressing environmental challenges.

