



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

7.1.3 Clean and green campus initiatives:

INDEX

S.NO	DESCRIPTION	Page No.
1	Green campus garden	2
2	Setting up of waste bins to facilitate to waste management	5
3	Vehicle free campus	8
4	Don't waste food and keep canteen clean	11
5	Establishment of solar panels in order to reduce convectional electricity	14
6	Digitalized office to reduce paper waste	15




PRINCIPAL

Avanathi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanthi@gmail.com

1. GREEN CAMPUS GARDEN

Title: Green Campus Garden: A Key Component of the Clean and Green Campus Initiative at Avanthi Institute of Engineering and Technology

1. Introduction:

The concept of a clean and green campus has gained significant attention in recent years due to growing environmental concerns and the need for sustainable practices. Avanthi Institute of Engineering and Technology (AIET) has embarked on a mission to create a cleaner and more sustainable campus environment through various initiatives. One of the prominent components of this initiative is the establishment and maintenance of a Green Campus Garden. This report aims to provide an overview of the Green Campus Garden project and its role in promoting a clean and green campus. at AIET.

2. Objectives:

- a) The primary objectives of the Green Campus Garden project .are as follows:
- b) Enhance .Biodiversity: The garden aims to increase the bio diversity on campus by providing a suitable habitat for various plant species, insects, and birds.
- c) Air Quality Improvement: Plants within the garden contribute to improving air quality by absorbing pollutants and releasing oxygen.
- d) Educational Platform: The garden serves as an outdoor classroom, providing students with opportunities to learn about sustainable gardening practices, plant biology, and environmental conservation.
- e) Aesthetic Enhancement: A well-maintained garden adds to the overall beauty of the campus, creating a pleasant and inviting atmosphere for students, faculty, and visitors.

3. Garden Design and Features:

The Green Campus Garden is strategically designed to optimize its impact on the environment and educational value. Key features include:

- a) Native and .Adaptive Plants: The garden predominantly features native plant species that are well-suited to the local climate, requiring less water and maintenance.
- b) Bee-Friendly Plants: Incorporating plants that attract pollinators such as bees and butterflies, contributing to pollination and fostering a healthier ecosystem.




PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (M), R.R. Dist



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanthi@gmail.com

c) Rainwater Harvesting: The garden is designed to capture and utilize rainwater, reducing the need for excessive irrigation and conserving water resources.

d) Composting Area: A designated composting area allows the recycling of organic waste free the campus, creating nutrient-rich soil for the garden.

e) Seating and Gathering Spaces: The garden provides seating areas for relaxation, study, and outdoor events, encouraging social interaction and community engagement.

4. Implementation and Maintenance:

The establishment of the Green Campus Garden involves multiple phases:

a) Site Preparation: Clearing, soil preparation, and infrastructure development

b) Plantation: Selecting and planting appropriate species, focusing on diversity and aesthetics.

c) Irrigation System: Installing efficient irrigation systems, including rainwater harvesting and drip irrigation.

d) Educational Signage: Placing informative signage to educate visitors about the garden's ecological significance and the importance of sustainable practices.

5. Benefits and Outcomes:

The Green Campus Garden project offers a range of benefits and outcomes:

a) Environmental Impact: Improved air quality, increased biodiversity, and reduced water consumption contribute to a healthier campus environment.

b) Educational Value: Students gain hands-on experience in sustainable gardening practices and environmental stewardship.

c) Community Engagement: The garden serves as a focal point for campus activities, events, and collaboration.

d) Aesthetic Enhancement: The garden enhances the overall visual appeal of the campus, creating a positive atmosphere.




PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

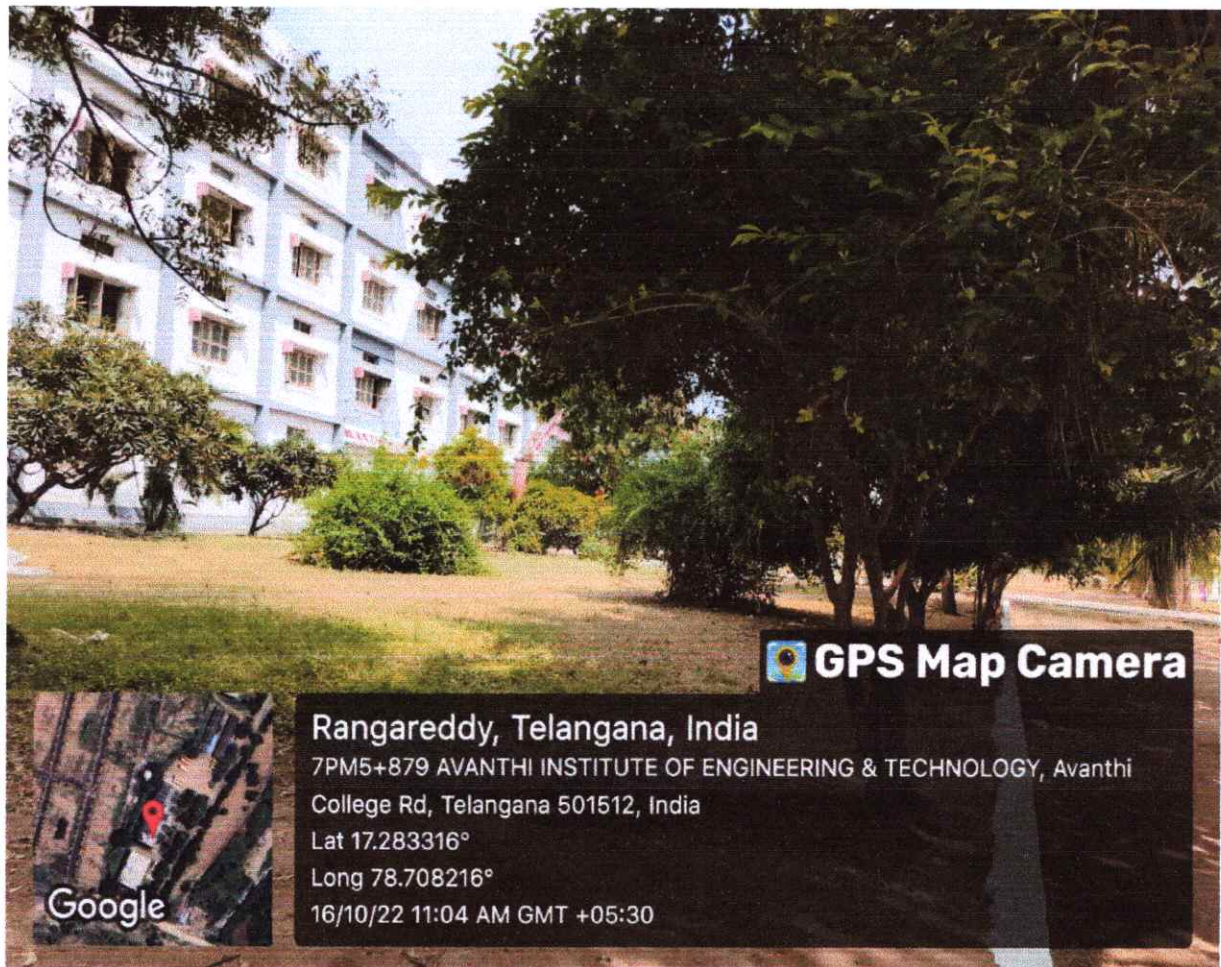
NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

6. Conclusion:

The Green Campus Garden at Avanathi Institute of Engineering and Technology is a vital component of the Clean and Green Campus Initiative. Through its focus on biodiversity, sustainable practices, education, and community engagement, the garden contributes to the campus's ecological health and overall aesthetic. This initiative reflects AIET's commitment to fostering a more sustainable future and instilling environmentally conscious values in its students and staff.



Clean and Green Campus



[Signature]
PRINCIPAL
Avanathi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute


Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

DATE: 19-10-2022

Circular

This is to inform you that waste bins have been provided in all blocks of the campus for proper disposal of Please make use of these bins to maintain a clean and hygienic environment. Thank you for your cooperation.


PRINCIPAL
Avanathi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist

Circulated To:

1. Director-HR
2. All HODs (BS&H, EEE, MECH, CIVIL,ECE,CSE,CSDM,MBA)
3. Administrative Office,





AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

2. SETTING UP OF WASTE BINS TO FACILITATE TO WASTE MANAGEMENT

Report: Setting up of Waste Bins to Facilitate Waste Management in Avanathi Institute of Engineering and Technology

1. Introduction:

Waste management is a critical aspect of maintaining a clean and sustainable environment within any institution. Avanathi Institute of Engineering and Technology recognizes the importance of effective waste management to ensure the well-being of its students, staff, and the surrounding community. In line with this objective, this report outlines the proposal for setting up waste bins to facilitate waste management on the campus.

2. Objective:

The primary objective of this initiative is to establish a systematic waste management process by strategically placing waste bins throughout the campus. This will encourage waste segregation, proper disposal, and recycling, thereby reducing the Institution's environmental footprint.

3. Proposed Implementation:

The implementation of the waste bin setup involves several key steps:

3.1 Waste Audit:

Before placing waste bins, a comprehensive waste audit will be conducted to understand the types and quantities of waste generated across the campus. This audit will help identify areas where waste generation is high and tailor the waste bin distribution accordingly.

3.2 Bin Placement:

Based on the waste audit findings, waste bins will be strategically placed in high-traffic areas, including classrooms, corridors, canteens, libraries, and spaces. The placement will ensure easy accessibility and convenience for students and staff to dispose of their waste.

3.3 Waste Segregation:

Each waste bin will be labeled with clear instructions for waste segregation. Separate bins will be provided for different types of waste such as recyclables (paper, plastic, glass), non-recyclables (general waste), and organic waste (food scraps). Color-coding and instructional signage will assist users in proper waste separation.




PRINCIPAL
Avanathi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Regd. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email: principal.avanthi@gmail.com

3.4 Regular Collection and Disposal:

A schedule for regular waste collection and disposal will be established. Designated personnel will empty the bins and ensure that the waste is appropriately transported to the designated disposal areas, including recycling centers and composting facilities.

4. Benefits:

The implementation of this waste bin setup offers several benefits:

4.1 Environmental Impacts

Effective waste management reduces the institution's environmental impact by promoting recycling and reducing the volume of waste sent to landfills. This contributes to the conservation of natural resources and minimizes pollution.

4.2 Health and hygiene:

Proper waste disposal prevents the accumulation of waste in open areas, minimizing the risk of pests, diseases, and foul odors. This, in turn, promotes a healthier and more hygienic campus environment.

4.3 Education and Awareness:

The waste bins act as visual reminders for waste segregation and responsible waste disposal. They contribute to raising awareness about environmental conservation and encourage students and staff to adopt eco-friendly practices.

4.4 Community Engagement:

The waste management initiative fosters a sense of community responsibility and participation. It provides an opportunity for students and staff to actively contribute to the campus's sustainability goals.

5. Conclusion:

The establishment of waste bins for effective waste management in Avanthi Institute of Engineering and Technology is a significant step towards creating a clean, sustainable, and environmentally conscious campus. By promoting waste segregation, recycling, and responsible waste disposal, this initiative aligns with the institution's commitment to environmental stewardship. It is recommended that the proposed waste bin setup be implemented in collaboration with relevant stakeholders to achieve the desired outcomes.




PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



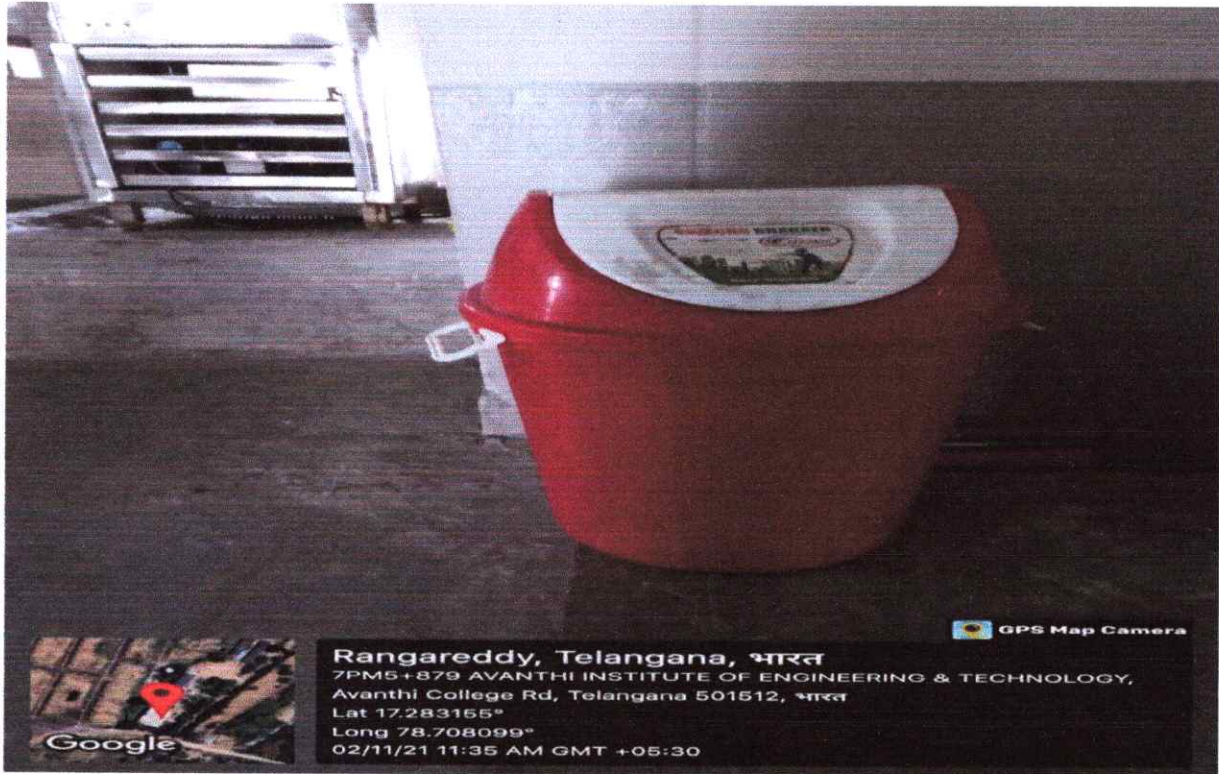
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email: principal.avanthi@gmail.com



Waste Bins



[Signature]
- PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (M), R.R. Dist.

Avanthi Institute of Engineering and Technology



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

DATE: 19-10-2022

CIRCULAR

This is to inform you that the college has prohibited vehicles within the campus premises, Your cooperation in adhering to this new policy is appreciated.

PRINCIPAL
PRINCIPAL

Avanathi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (Mdl), R.R. Dist.

Circulated To:

1. Director-HR
2. All HODs (BS&H, EEE, MECH, CIVIL,ECE,CSE,CSDM,MBA)
3. Administrative Office,





AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Regd. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanthi@gmail.com

3. VEHICLE FREE CAMPUS

Report: Vehicle-Free Campus Initiative at Avanthi Institute of Engineering and Technology.

1. Introduction:

In response to the growing concerns of traffic congestion, environmental pollution, and safety on campus, Avanthi Institute of Engineering and Technology (AIET) has initiated a Vehicle-Free Campus project. This project aims to restrict vehicle access beyond a designated point at the entrance gate, creating a safer, cleaner, and more pedestrian-friendly environment on campus.

2. Background:

With the increasing number of vehicles entering the campus, issues such as traffic jams, air pollution, and accidents have become more prominent. To address these challenges, AIET has introduced the Vehicle-Free Campus initiative to encourage sustainable modes of transportation, reduce the carbon footprint, and ensure the safety of students, faculty, and visitors.

3. Objectives:

The primary objectives of the Vehicle-Free Campus initiative are as follows:

- Reduce Traffic Congestion:** By limiting vehicle access to only the entrance gate and a designated board, the project aims to alleviate traffic congestion within the campus premises.
- Promote Sustainable Transportation:** The initiative encourages the use of bicycles, walking, and carpooling to reduce the reliance on individual vehicles, thereby promoting a more sustainable transportation culture.
- Enhance Safety:** Eliminating vehicular traffic within the campus core enhances pedestrian safety, reducing the likelihood of accidents and collisions.
- Improve Air Quality:** By minimizing the number of vehicles on campus, the initiative contributes to improved air quality and a healthier living environment for the AIET community.




PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanthi@gmail.com

4. Implementation:

The Vehicle-Free Campus initiative has been implemented as follows:

- Designated Entry Point:** A designated point at the entrance gate has been established where vehicles are allowed to enter the campus. Beyond this point, vehicles are prohibited except for authorized personnel and emergency vehicles.
- Prohibition Signage:** Clear and visible signage has been placed at the designated point, indicating that vehicles are prohibited beyond that point. This ensures that all individuals on campus are aware of the restrictions,
- Alternative Transportation Facilities:** To support sustainable transportation, AIET has introduced bicycle racks, pedestrian pathways, and improved public transportation options near the entrance gate.

5. Benefits:

The Vehicle-Free Campus initiative brings several benefits:

- Reduced Traffic Congestion:** The limitation of vehicular access reduces traffic congestion within the campus, ensuring smoother movement for pedestrians and cyclists.
- Improved Safety:** Pedestrians and cyclists can navigate the campus without the risks associated with vehicular traffic, leading to a safer environment.
- Environmental Impact:** The reduction in vehicular traffic helps decrease carbon emissions, contributing to a more environmentally friendly campus.
- Promotion of Healthy Lifestyle:** Encouraging walking and cycling promotes a healthier lifestyle among students and faculty.

6. Challenges and Future Plans:

While the initiative presents numerous benefits, some challenges include initial adjustment periods, infrastructure development for alternative transportation, and ensuring compliance with the vehicle-free policy,

Future plans involve:

- Continuous awareness campaigns to educate the campus community about the benefits of the initiative.
- Expanding bicycle infrastructure and pedestrian-friendly facilities within the campus.



- PRINCIPAL

Avanthi Institute of Engineering and Technology

Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

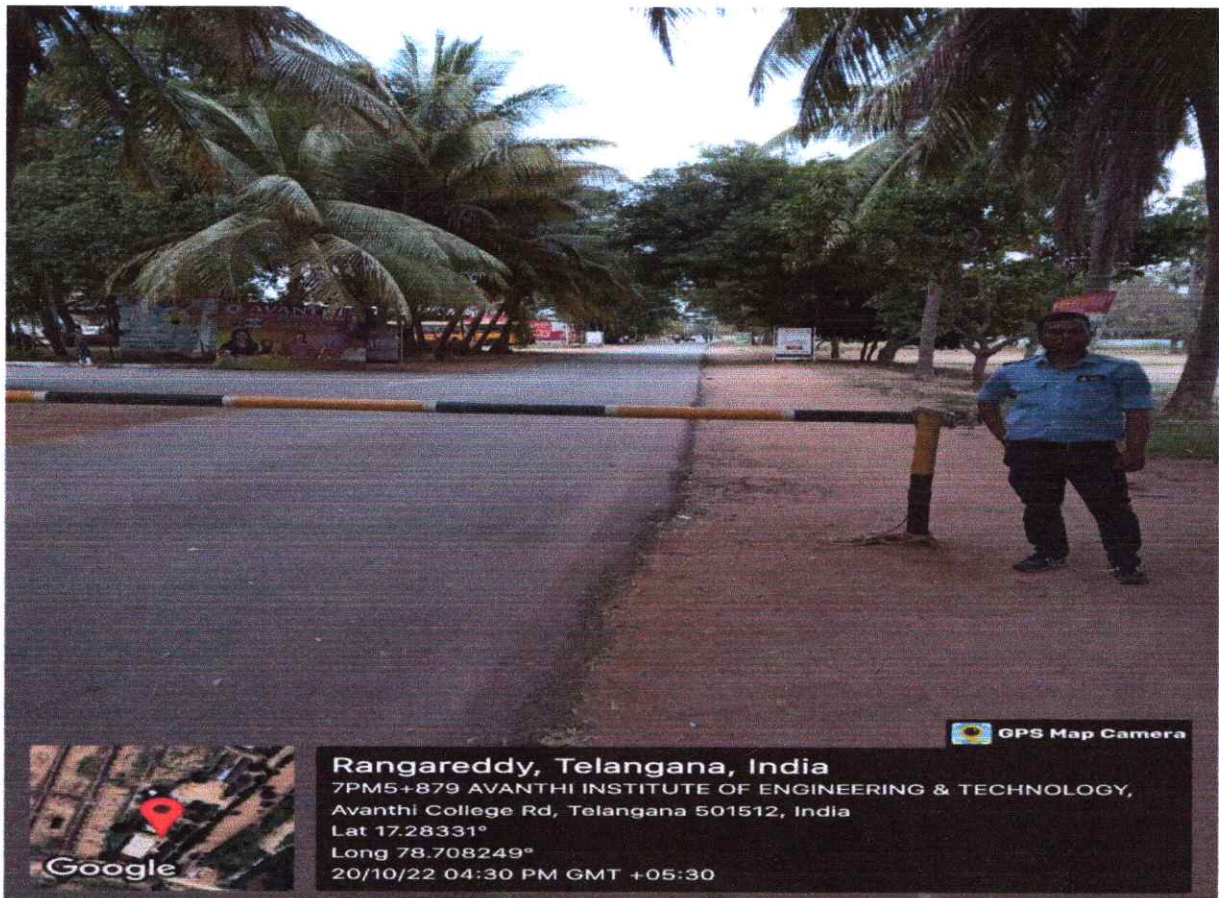
www.aietg.ac.in email:principal.avanthi@gmail.com

c) Monitoring and evaluating the effectiveness of the initiative in achieving its objectives.

7. Conclusion:

The Vehicle-Free Campus initiative at AIET demonstrates the institution's commitment to sustainability, safety, and a healthier campus environment. By limiting vehicular access beyond a designated point, initiative not only addresses traffic congestion but also promotes a culture of Sustainable transportation and responsible campus living.

This initiative showcases AIETs dedication to creating a harmonious and eco-friendly educational environment for all its stakeholders. Through continued efforts and community participation, the vision of a vehicle-free campus can be achieved successfully.



Vehicle-Free Campus Initiative at Avanthi Institute of Engineering and Technology




PRINCIPAL

Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (M), R.R. Dist.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

DATE: 04-01-2023

Circular

This is to inform you that we kindly urge all students and staff to avoid food wastage and maintain cleanliness in the canteen premises. Let's contribute to a sustainable and hygienic environment. Thank you for your cooperation.

PRINCIPAL
PRINCIPAL

Avanathi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (M), R.R. Dist.

Circulated To:

1. Director-HR
2. All HODs (BS&H, EEE, MECH, CIVIL,ECE,CSE,CSDM,MBA)
3. Administrative Office,





AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Regg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC “B++” Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

4. DON'T WASTE FOOD AND KEEP CANTEEN CLEAN

Report: Don't Waste Food and Keep Canteen Clean at Avanathi Institute of Engineering and Technology

1. Introduction:

The purpose of this report is to highlight the ongoing initiative at Avanathi Institute of Engineering and Technology to promote responsible food consumption and maintain cleanliness in the canteen and various areas across the campus. This initiative includes the placement of stickers with appropriate messages to raise awareness and encourage positive behaviors among students, faculty, and staff

2. Background:

Food waste is a significant global concern, contributing to environmental degradation, resource wastage, and hunger issues. Avanathi Institute of Engineering and Technology recognizes its responsibility to instill values of sustainability and cleanliness among its campus community. To address these issues, the institution has launched a campaign to discourage food wastage and promote hygiene in the canteen and surrounding areas.

3. Initiatives:

The following initiatives have been undertaken to promote the “Don't Waste Food and Keep Canteen Clean” campaign:

3.1 Sticker Placement:

Stickers featuring catchy and impactful messages have been strategically placed in the canteen and various high-traffic areas across the campus. These stickers serve as constant reminders to individuals about the importance of minimizing food wastage and maintaining cleanliness. The messages aim to evoke a sense of responsibility and consciousness among the campus community

3.2 Awareness Campaigns:

Regular awareness campaigns, workshops, and seminars are conducted to educate students, faculty, and staff about the adverse effects of food wastage and the significance of maintaining a clean environment. These events serve as platforms for interactive discussions and idea-sharing to foster a sense of ownership and active participation.




- PRINCIPAL

Avanathi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (M), R.R. Dist



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanthi@gmail.com

3.3 Canteen Initiatives:

In the canteen, measures have been implemented to encourage portion control, reduce over ordering, and promote mindful eating habits. Informational posters, digital screens, and menu boards display facts about food wastage and tips on how to make informed choices. Additionally, the canteen staff plays a crucial role in guiding and educating patrons about responsible consumption.

4. Impact and Benefits:

The initiatives aimed at reducing food wastage and ensuring cleanliness have yielded several positive outcomes:

- a) Increased Awareness: The placement of stickers and organized campaigns has led to heightened awareness among students, faculty, and staff regarding the importance of responsible food consumption and cleanliness.
- b) Behavioral Change: Many have reported a change in their attitudes and behaviors, leading to reduced food wastage and improved cleanliness practices.
- c) Cultural Shift: The campaign has contributed to fostering a culture of mindfulness, responsibility, and sustainability within the campus community.
- d) Resource Conservation: The reduction in food wastage indirectly contributes to conserving resources, such as water, energy, and agricultural inputs, which are utilized in food production.
- e) Enhanced Hygiene: A cleaner canteen and campus environment have positively impacted the overall hygiene and well-being of the community.

5. Conclusion:

The "Don't Waste Food and Keep Canteen Clean" initiative at Avanthi Institute of Engineering and Technology demonstrates the institution's commitment to promoting responsible behaviors and a sustainable environment. The placement of stickers, combined with awareness campaigns and canteen initiatives, has resulted in a positive impact on the campus community's attitudes and practices. The ongoing efforts will continue to contribute to a cleaner, greener, and more responsible campus environment.




- PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist



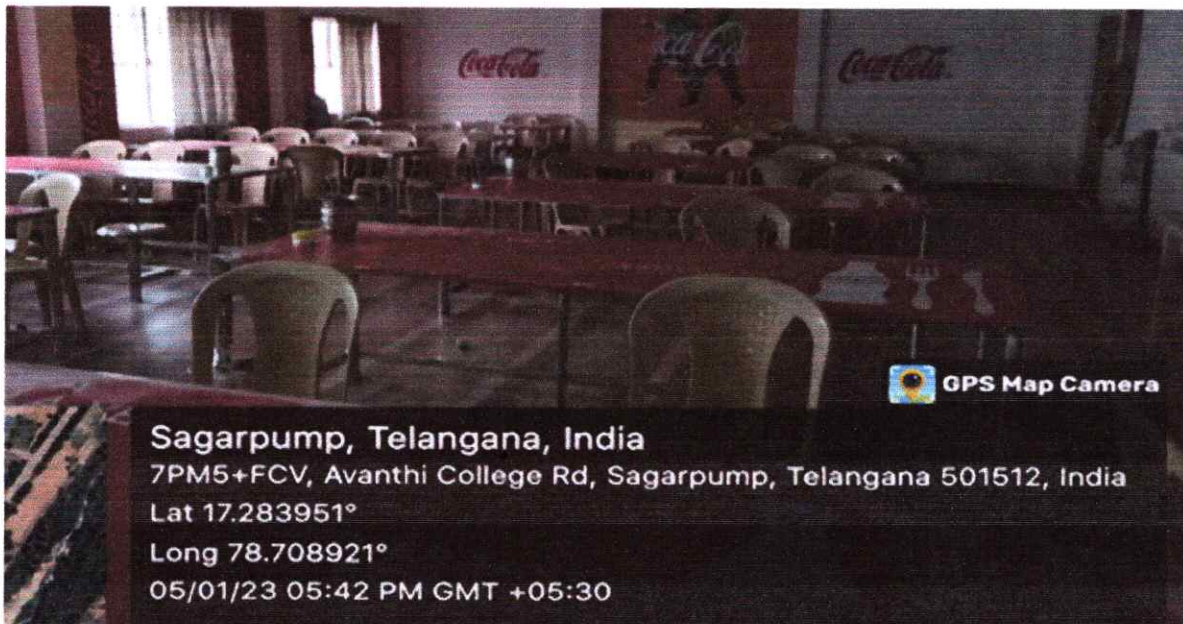
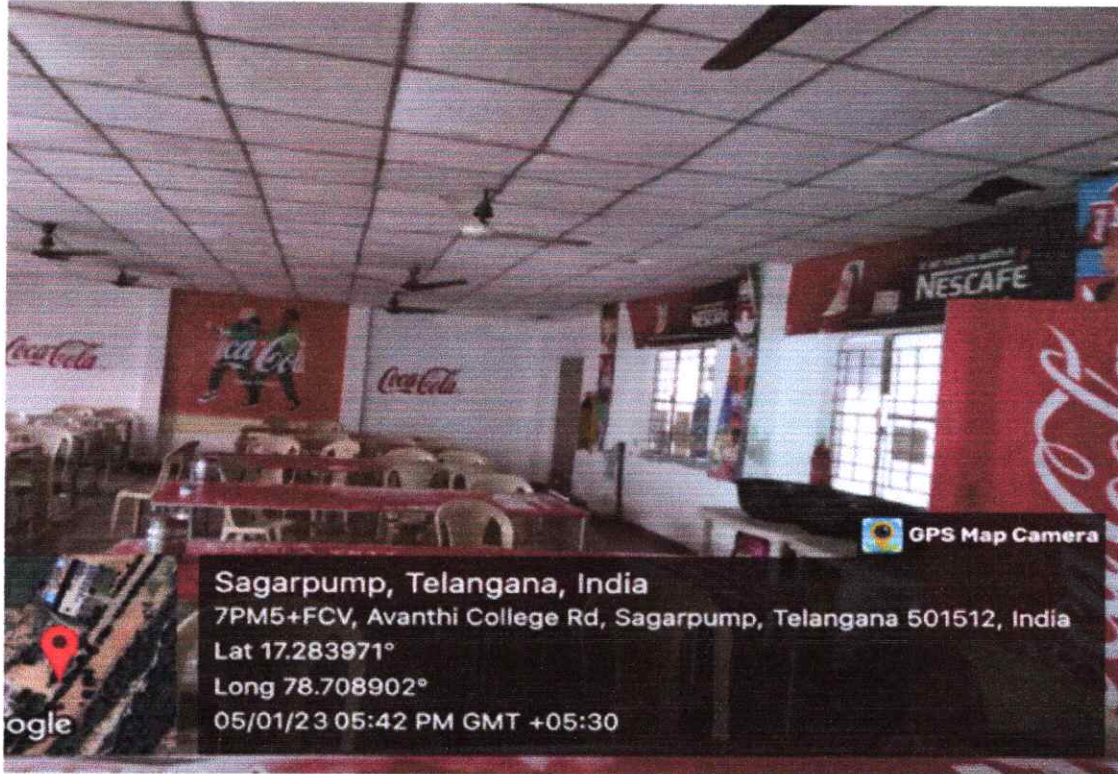
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanthi@gmail.com



Don't Waste Food and Keep Canteen Clean

PRINCIPAL

Avanthi Institute of Engg. & Tech
Gunthapally (V), Abdullapurmet (M), R.R. Dist.



Avanthi Institute of Engineering and Technology



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email: principal.avanthi@gmail.com

5. ESTABLISHMENT OF SOLAR PANELS IN ORDER TO REDUCE CONVENTIONAL ELECTRICITY

Title: Implementation of Solar Panels for Energy Efficiency at Avanthi Institute of Engineering and Technology

Executive Summary:

The following report outlines the successful establishment of solar panels at Avanthi Institute of Engineering and Technology, aimed at reducing conventional electricity consumption. A total of 372 solar panels were installed across two blocks, resulting in a substantial reduction in energy consumption. This initiative has contributed to a significant energy cost saving of nearly 64%, while also promoting sustainable and eco-friendly practices within the institution.

1. Introduction.

As the demand for energy continues to rise and environmental concerns become more pronounced, institutions and organizations are actively seeking alternative sources of energy to reduce their carbon footprint and reliance on conventional energy sources. Avanthi Institute of Engineering and Technology recognized the need for sustainable energy solutions and undertook the installation of solar panels as a viable means to achieve energy efficiency and cost savings.

2. Methodology:

The establishment of solar panels was executed in two phases:

2.1 Block 1:

A total of 372 solar panels were installed on the rooftops of Block 1. The panels were strategically placed to capture maximum sunlight and convert it into usable electricity. These solar panels were connected to the institution's power grid, enabling the generated solar energy to supplement the conventional electricity supply.

2.2 Block 2:

In the second phase, 372 solar panels were installed on the rooftops of Block 2. Similar to Block 1, these panels were strategically positioned to harness sunlight effectively. The solar panels were integrated into the existing electrical infrastructure, allowing for seamless integration with the institution's energy supply.




PRINCIPAL

Avanthi Institute of Engg. & Tech.

Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

3. Results and Findings:

The implementation of solar panels at Avanathi Institute of Engineering and Technology has yielded impressive results:

a) Energy Savings: The combined efforts in both Block 1 and Block 2 have led to a remarkable reduction in energy consumption. Approximately 64% of the institution's energy needs are now being met through solar energy, resulting in substantial cost savings.

b) Environmental Impact: By utilizing solar energy, the institution has significantly reduced its reliance on conventional fossil fuels, thereby contributing to a decrease in greenhouse gas emissions. This initiative aligns with global efforts to combat climate change and promote sustainability.

c) Operational Reliability: The solar panel systems have demonstrated their operational reliability, consistently generated clean energy and reduced the strain on the local power grid.

4. Benefits and Implications:

The successful establishment of solar panels at Avanathi Institute of Engineering and Technology has several benefits and implications:

a) Cost Savings: The institution has witnessed a substantial reduction in energy costs, which can be reallocated to other educational and developmental initiatives.

b) Sustainability: By adopting renewable energy sources, the institution is setting an example for sustainable practices and promoting environmental stewardship among its students, faculty, and the broader community.

c) Educational Opportunities: The solar panel Installation provides a practical learning opportunity for students in various disciplines, allowing them to gain insights into renewable energy systems, engineering, and sustainable technology.

5. Conclusion:

The implementation of solar panels at Avanathi Institute of Engineering and Technology stands as a testament to the institution's commitment to energy efficiency, cost savings, and environmental responsibility. The significant reduction in energy consumption and associated costs, along with the educational and sustainability benefits, underline the success of this initiative. It is recommended that the institution continues to monitor and maintain the solar panel systems to ensure their optimal performance and longevity.




PRINCIPAL
Avanathi Institute of Engg. & Tech.
Abdullapurmet (Mdl), R.R. Dist.

Avanathi Institute of Engineering and Technology



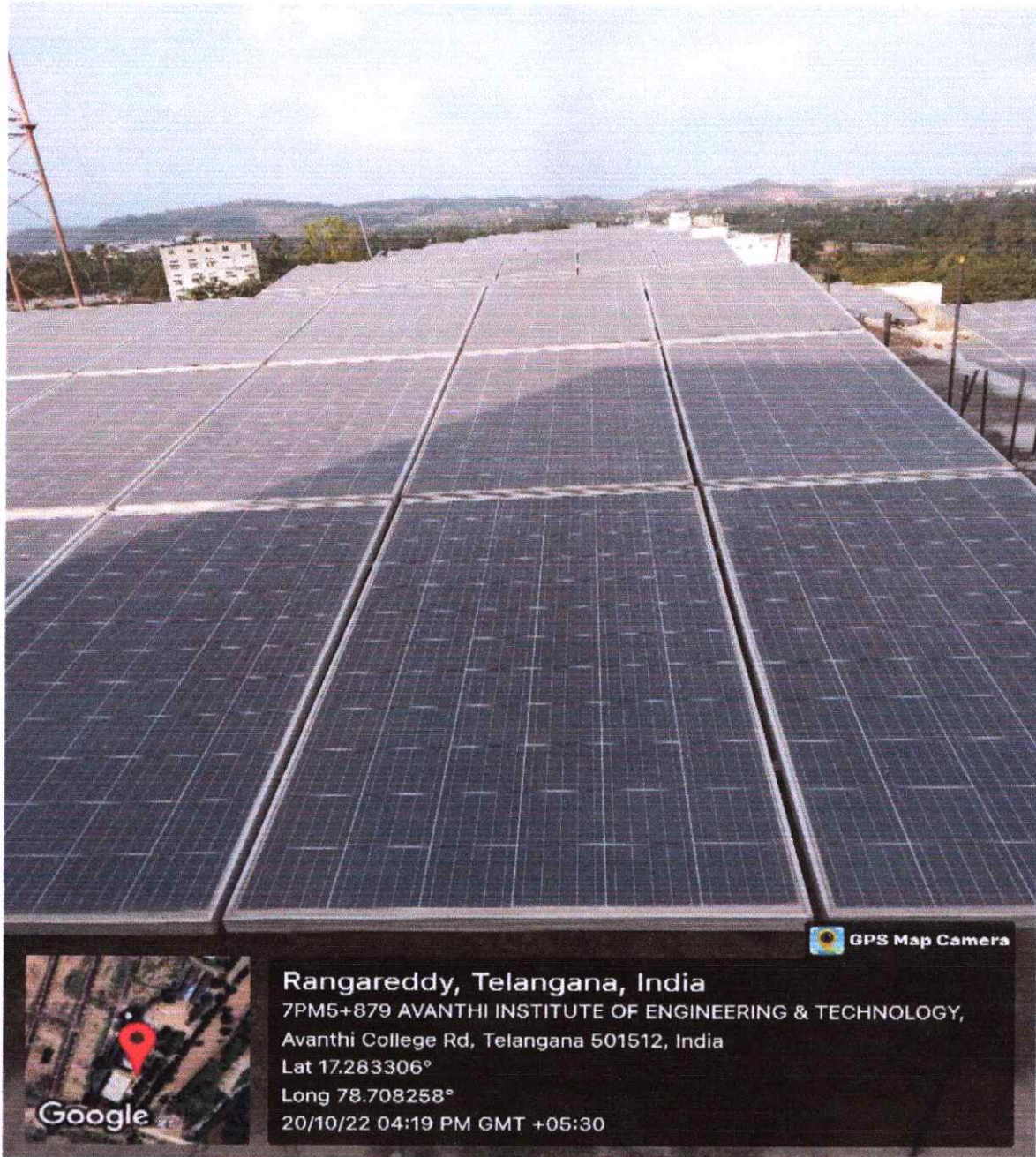
AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email: principal.avanthi@gmail.com



Solar panels were installed on the rooftops of Block 1& Block 2



[Signature]
PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (Mdl.), R.R. Dist.

Avanthi Institute of Engineering and Technology



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Reg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

6. DIGITALIZED OFFICE TO REDUCE PAPER WASTE

Report: Digitalized Office to Reduce Paper Usage at Avanathi Institute of Engineering and Technology

1. Introduction:

In today's technologically advanced era, the shift towards digitalization is becoming increasingly crucial. Avanathi Institute of Engineering and Technology recognizes the significance of reducing paper usage and the associated environmental impact. This report explores the institute's efforts to create a digitalized office environment that minimizes paper consumption while maintaining operational effectiveness

2. Current Paper Usage Scenario:

The institute's current administrative processes heavily rely on paper-based documentation for tasks such as record-keeping, communication, and data management. This paper intensive approach not only leads to increased costs but also contributes to environmental degradation.

3. Benefits of Digitalization:

The adoption of a digitalized office offers numerous benefits:

- Reduced Paper Usage:** Transitioning from paper-based to digital processes significantly reduces paper consumption, resulting in cost savings and environmental conservation.
- Efficiency and Accessibility:** Digitalized documents are easily searchable, shareable, and accessible, leading to streamlined workflows and improved communication
- Cost Savings:** Decreased reliance on paper reduces expenses related to printing, storage, and maintenance.
- Environmental Sustainability:** By reducing paper consumption, the institute contributes to environmental preservation and demonstrates its commitment to sustainable practices

4. Digitalization Implementation:

The institute has taken the following steps to facilitate digitalization

- Document Management System (DMS):** Implementing a robust DMS for storing and managing digital documents, which allows for efficient document retrieval and collaboration.
- Online Communication Tools:** Utilizing email, instant messaging, and collaboration platforms to facilitate digital communication among staff members



PRINCIPAL

Avanathi Institute of Engg. & Tech,
Abdullapurmet (M), R.R. Dist



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email:principal.avanathi@gmail.com

c) Electronic Forms and Workflows: Creating digital forms and automated workflows to replace paper-based processes like leave applications and approvals

5. Challenges and Solutions:

a) Resistance to Change: Some staff members may be resistant to adopting digital processes. Regular training sessions and workshops can help overcome this challenge.

b) Technological Infrastructure: Ensuring that the institute has the necessary technological infrastructure, including hardware and software, is crucial. Regular maintenance and upgrades should be prioritized.

6. Monitoring and Evaluation:

Regular monitoring of the digitalization process is essential to assess its effectiveness. Key performance Indicators (KPIs) such as paper consumption reduction, cost savings, and workflow efficiency can be tracked and analyzed.

7. Conclusion:

The transition to a digitalized office environment at Avanathi Institute of Engineering and Technology is a commendable step towards reducing paper usage. By embracing digital solutions, the institute can enhance operational efficiency, promote environmental sustainability, and set an example for other Institutions to follow.




PRINCIPAL
Avanathi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (M), R.R. Dist.



AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, Recg. By Govt. of T.S& Affiliated to JNTUH, Hyderabad)

NAAC "B++" Accredited Institute

Gunthapally (V), Abdullapurmet(M), RR Dist, Near Ramoji Film City, Hyderabad -501512.

www.aietg.ac.in email: principal.avanthi@gmail.com



Digitalized Office

PRINCIPAL
Avanthi Institute of Engg. & Tech.
Gunthapally (V), Abdullapurmet (M.), R.R. Dist

