



7.1.2: The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures.
2. Management of the various types of degradable and non-degradable wastes
3. Water conservation
4. **Green campus initiatives**
5. Disabled- friendly, barrier free environment

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4. Green campus initiatives

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1. Fostering a pedestrian-centric campus[2022-2023]

AIPS pedestrian pathway within functions as a crucial system of walkable paths created to enable secure and convenient movement for students, faculty, and staff. This infrastructure is intended to link important academic and recreational spaces, promoting a feeling of togetherness and improving the overall accessibility of the campus. The design of this pathway guarantees smooth traffic flow, prioritizes the safety of pedestrians, and adds to the overall positive experience of navigating the campus surroundings.

Creating a safe and user-friendly pedestrian pathway on campus requires careful attention to various aspects. This includes prioritizing safety by incorporating essential elements such as crosswalks and clear signage. Additionally, regular maintenance is crucial to uphold the pathway's aesthetics and functionality. Moreover, promoting accessibility for all individuals is essential in ensuring that everyone can utilize the pathway comfortably. By incorporating these features, pedestrian-friendly pathways can be established amenities like shade trees to enhance the walking and biking experience., providing smooth and well-maintained surfaces, crosswalks with pedestrian signals and traffic calming measures, as well as




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Pedestrian pathway to reduce the use of vehicle within the AIPS campus and for easy walking pathway.



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2. Environmental art gallery [2022-2023]

AIPS has taken an effort to cultivate environmental consciousness within the college community, a dedicated group of students took the initiative to organize and curate an art gallery. This event aimed to harness the creative talents of students and convey powerful messages about environmental conservation, sustainability, and the urgent need for collective action.

The art gallery, aptly named "SAVE EARTH, SAVE LIFE," served as a vibrant platform for a diverse range of artworks, including paintings, sculptures, installations, and mixed media creations. The central theme revolved around the delicate balance between humanity and the environment, highlighting the profound impact of human activities on our planet. The student curators collaborated to carefully select and arrange the artworks for the gallery. They actively encouraged students from various disciplines to contribute their own pieces, ensuring a rich tapestry of perspectives on environmental issues. The curators also sought to incorporate a variety of artistic styles, ranging from abstract to realistic, in order to captivate a wide audience. The centerpiece of this endeavor was a week-long art gallery exhibition titled "Harmony in Hues." It showcased a diverse array of artworks contributed by students, faculty, and even local artists, all of which focused on environmental themes such as biodiversity, climate change, sustainability, and the awe-inspiring beauty of nature. The gallery was open to the public, fostering a sense of community engagement and shared responsibility.




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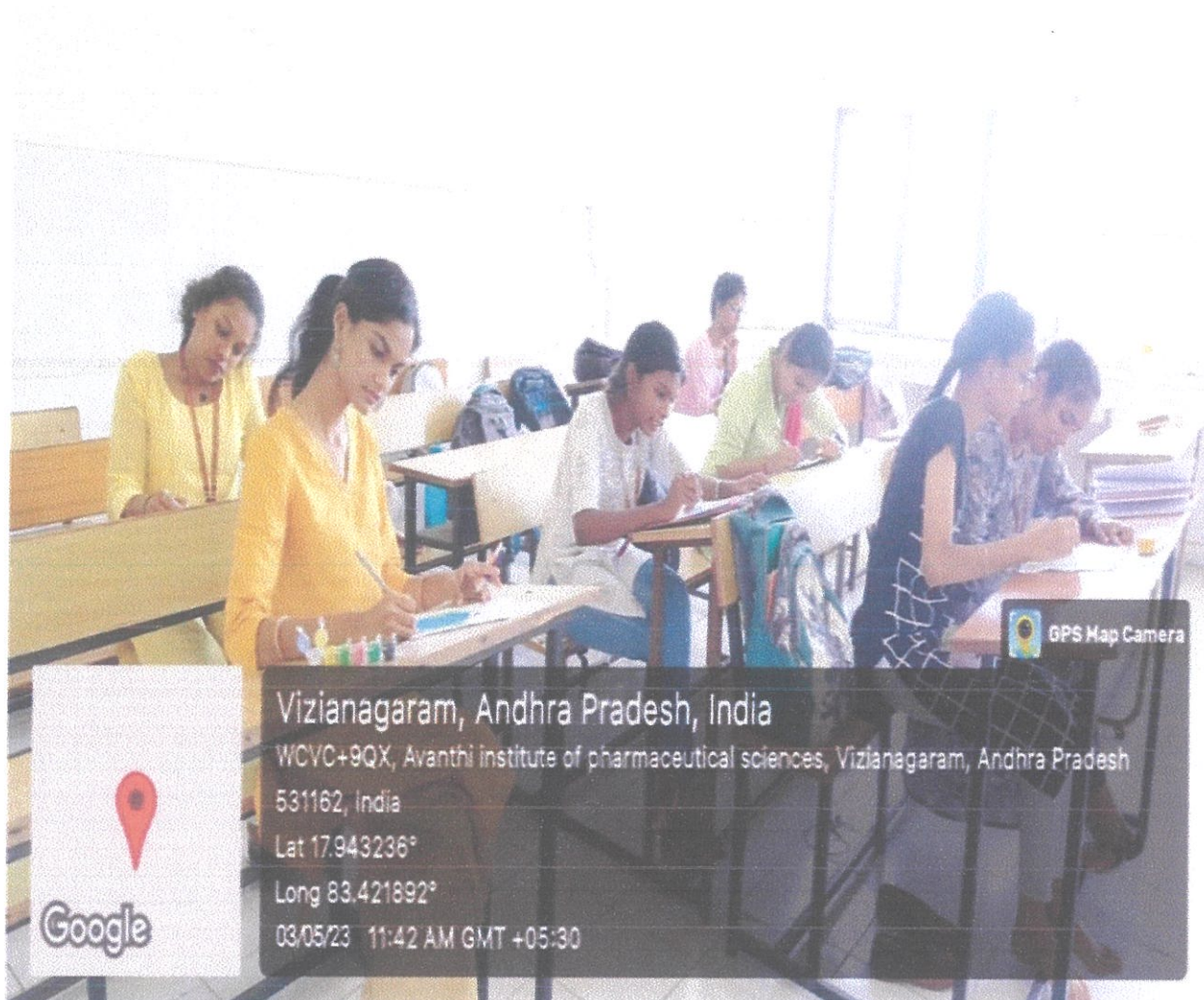


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Active participation of AIPS students in the drawing competition the med “Save Earth, Save Life”



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**Art works of the AIPS students exhibited in the environment art gallery exhibition at campus
noticeboard**



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Visual elegance of Principal, Vice-Principal and students of AIPS in the environment art gallery

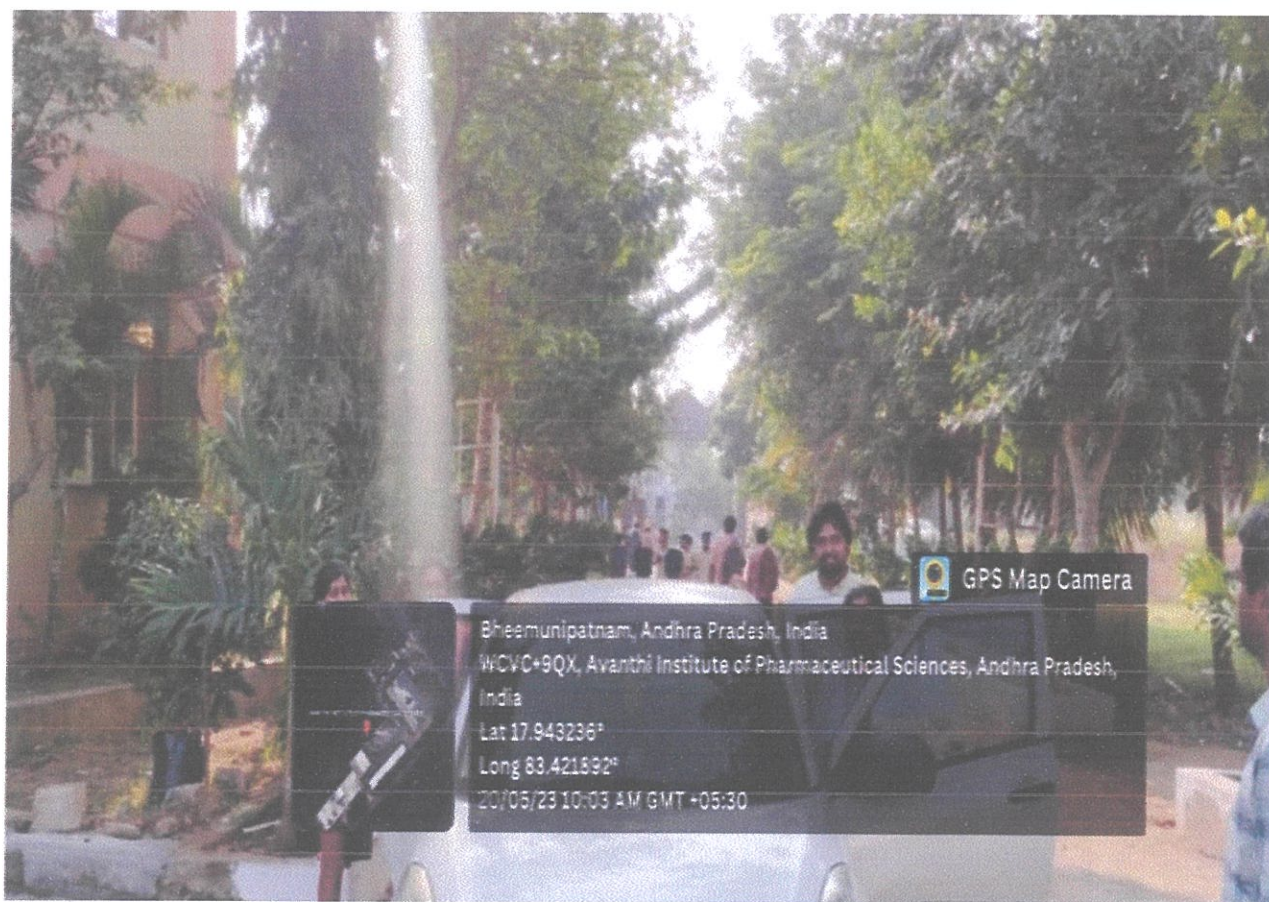


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3. VEHICLE POOLING: [2022-2023]

AIPS has undertaken this vehicle pooling as a part of green campus initiative which aims to curtail excessive vehicle usage on campus and combat pollution by reducing the number of vehicles entering the premises. This practice not only saves time and money but also promotes fuel efficiency. Implementing a comprehensive motor pool policy, along with effective communication and enforcement, is crucial for ensuring safety, minimizing risks, and running a cost-effective fleet operation. Analyzing vehicle utilization data, preferably over a significant period, helps determine the optimal number, types, and locations of vehicles in the pool, taking into account seasonal patterns and varying needs of different groups.



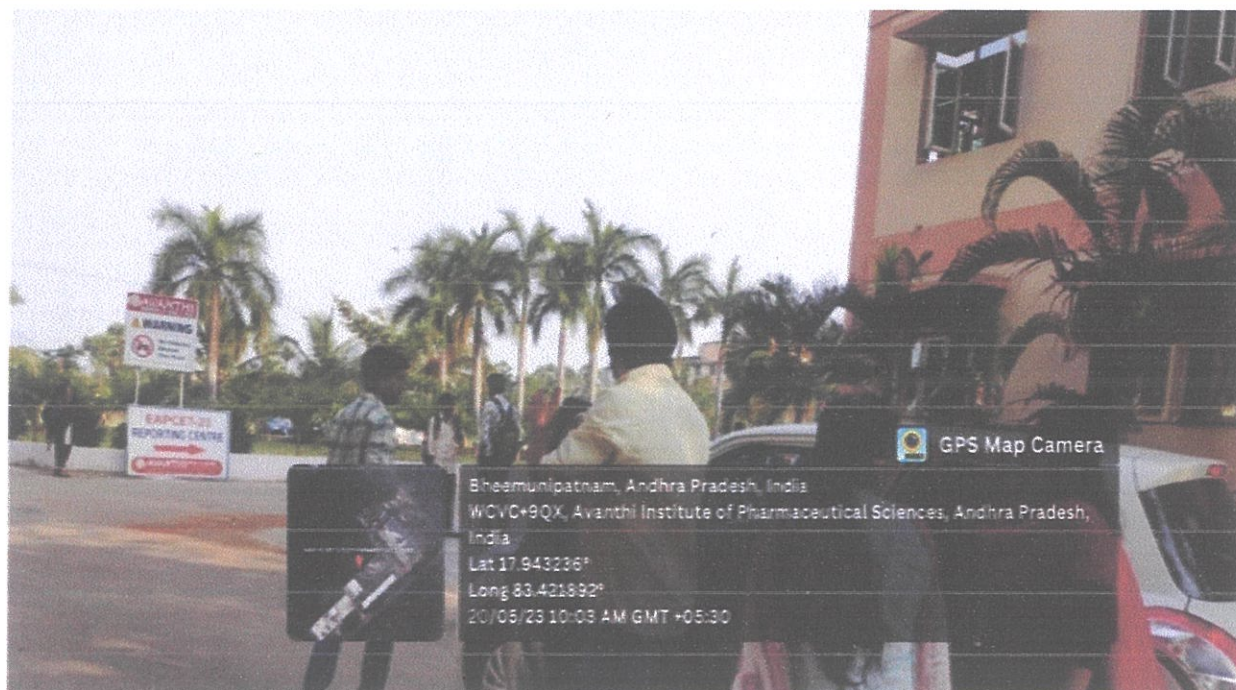
Vehicle pooling- A Green campus initiative followed by AIPS Faculty members



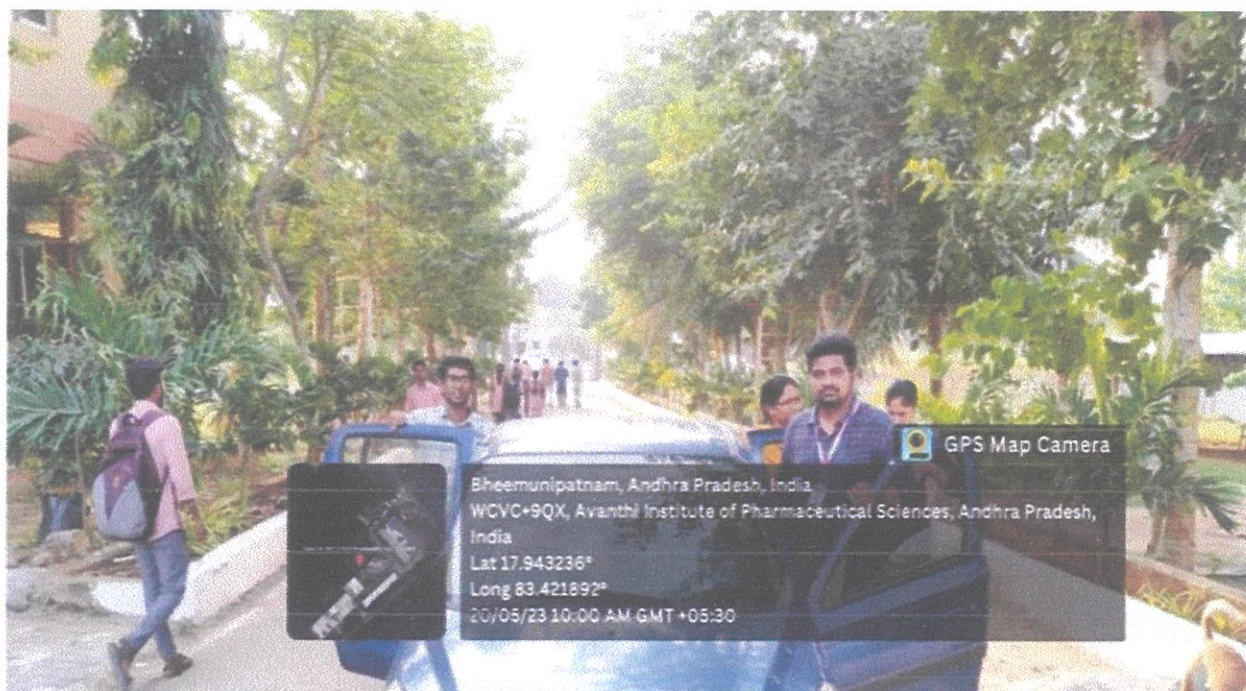

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AIPS faculty members have decided to adopt a sustainable approach towards the environment by arriving in a single car and reducing campus carbon footprint.



Minimizing the excessive use of vehicles, the faculty members of AIPS have chosen to commute together in a shared car through carpooling.



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4. GREEN BELT PLANTATION DRIVE [2022-2023]

TITLE OF THE PRACTICE: Greenbelt plantation drive at Avanathi Institute of Pharmaceutical Sciences

BENEFITS OF TREE PLANTATION:

- **Support for Biodiversity:** Trees provide habitats for various species, contributing to the preservation of biodiversity and the sustenance of diverse ecosystems.
- **Soil Conservation:** The root systems of trees help prevent soil erosion and improve soil structure.
- **Noise Reduction:** Trees act as natural sound barriers, absorbing and deflecting noise, thereby creating a quieter and more pleasant environment in the college surroundings.
- **Aesthetic Value:** Trees enhance the beauty of landscapes, making the campus more visually appealing.

OBJECTIVES :

- Enhancing greenery within the campus.
- Improving the quality of air.
- Creating a pollution-free campus.
- Raising awareness among students about the importance of plants.
- Establishing a pleasant and enjoyable atmosphere.
- Motivating the staff and students through environmental literacy.
- Promoting a green protocol among students and staff.

ACTIVITY :

The activity began with the planting of trees in the East zone of the Main Campus. A total of 25 pits were dug, and 25 small saplings were planted by 5th Pharm.D students and faculty members (Dr. T. Rushi Naidu, B. Chaitanya, A. Nanaji) in a 100-meter area. The importance of maintaining and watering the plants was explained to all participants, and it was made a responsibility for everyone involved in the plantation drive. In this phase, a total of 30 saplings were planted.

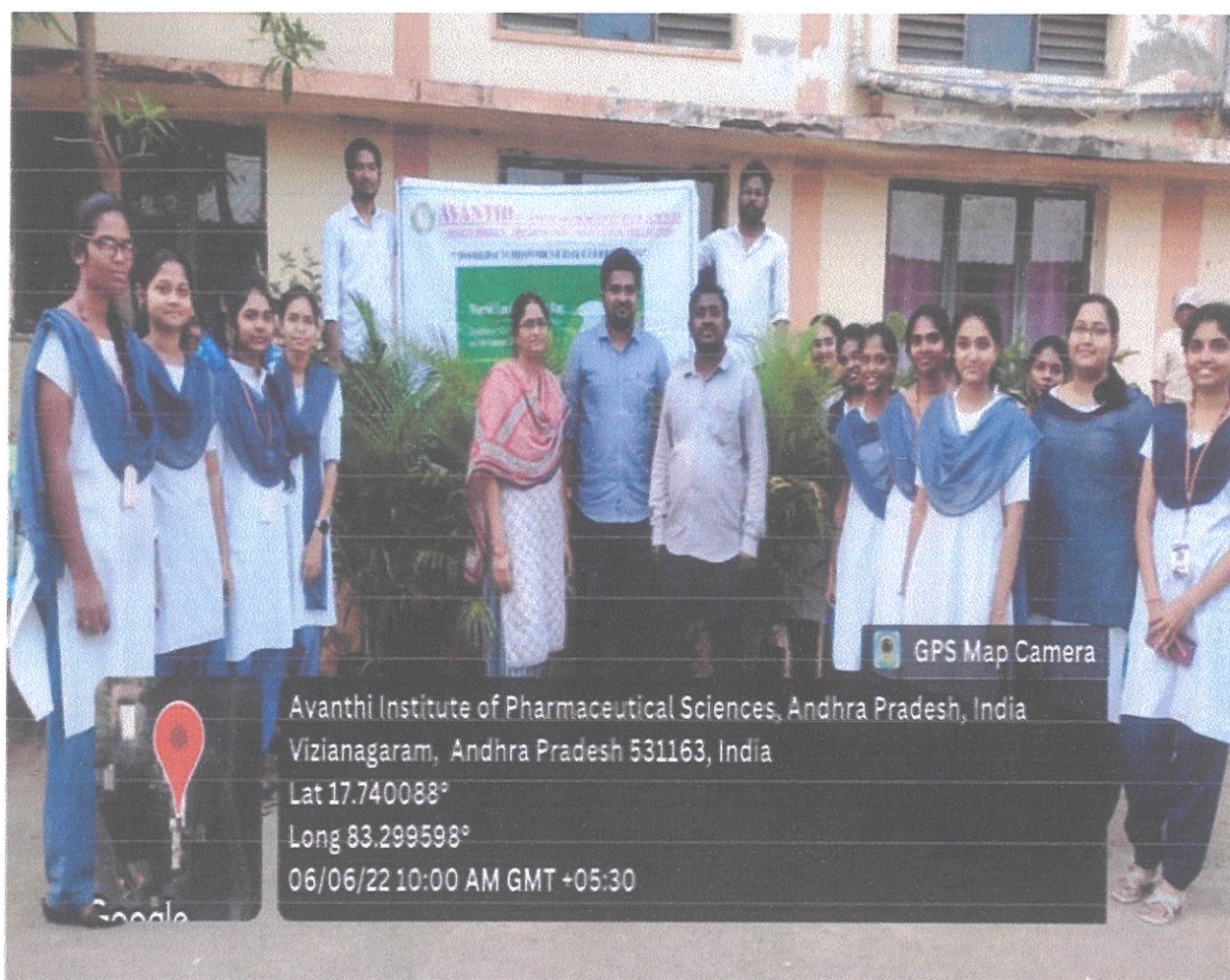


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Various plants that are planted In this phase include:

S.No	Name of the Plant	Common Name
1	Reba	Candy leaf
2	Clay Green Ficus	Ficus Tree
3	Aracuria Heterophylla	NorfolkIs and Pine
4	Ficus Black	Weeping Fig



**Inauguration of “Green belt plantation drive” on the eve of World Environment Day by
AIPS students and faculty**



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AIPS students actively engaged in the greenbelt plantation drive on the eve of environment day



The faculty and students of AIPS are actively engaged in an eco-greening campaign to contribute towards sustainable environmental efforts.



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Avanathi Institute of Pharmaceutical Sciences



Date : 18-01-2023.

District Green Champion Certificate

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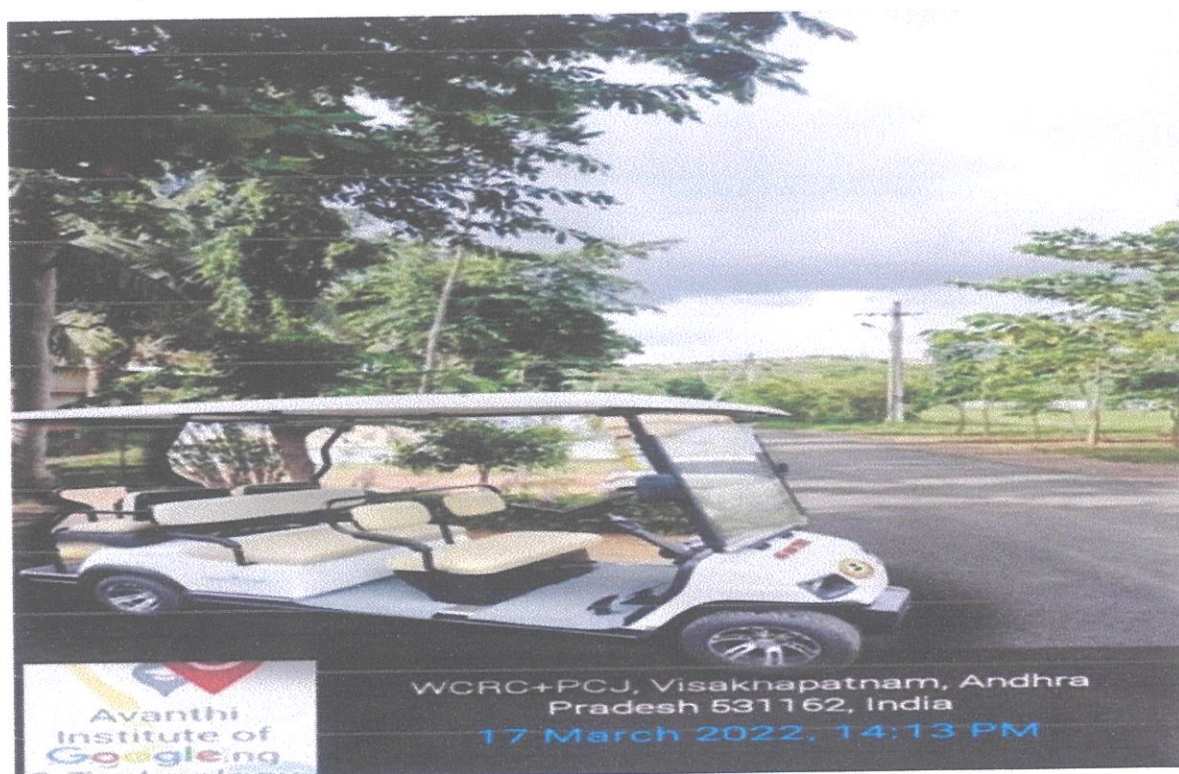
B. Prakash
Sanitary Inspector
GVMC ZONE
Bheemunipatnam



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1. BOOSTING THE UTILIZATION OF E-VEHICLES IN THE CAMPUS[2021-2022]

AIPS implements the use of electric vehicles on campus is part of a larger movement towards sustainability and environmental responsibility. Many institutions, including colleges and universities, have recognized the importance of reducing their carbon footprint and contributing to a more eco-friendly future. The growing awareness of climate change and environmental issues has led to the adoption of sustainable practices in various sectors, including higher education. Electric vehicles offer long-term cost savings through reduced fuel and maintenance expenses, making them an appealing choice for institutions looking to optimize their budgets. Conduct a comprehensive assessment of campus transportation needs to identify areas where electric vehicles (EVs) can be effectively integrated. Implement restrictions on motor vehicle entry to the campus, allowing only eco-friendly e-vehicles. Provide training to campus drivers and maintenance staff on EV operation and maintenance. Educate students and staff on the benefits of electric vehicles and encourage their use. Establish a system for user feedback to continuously improve the services offered by electric vehicles.



Utilization of E-vehicles in the AIPS campus to maintain sustainable environment



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2. RESTRICTED ENTRY OF VEHICLES AND PARKING [2021-2022]

AIPS decision to implement restricted vehicle entry and parking on a college campus is influenced by various factors. These include the evolving needs and priorities of higher education institutions, the broader sustainability movement, and the desire to create a safe, efficient, and environmentally responsible campus environment. Campus traffic congestion and limited parking space are persistent issues that affect traffic flow, pedestrian and cyclist safety, and overall campus accessibility. To implement this practice, a comprehensive traffic analysis should be conducted to identify areas of high traffic, congestion points, and locations that should be designated as pedestrian-only or have restricted vehicle access. It is important to engage with students, staff, faculty, and campus visitors to gather their input and preferences regarding transportation and parking policies. Access control measures such as barriers, gates, or bollards should be installed at entry points to restricted zones, and enforcement should be ensured. The restricted vehicle entry and parking policies should be aligned with broader sustainability initiatives, emphasizing the environmental benefits of these changes.



The vehicle access into the AIPS campus is being restricted by security personnel in order to promote a sustainable environment.




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Restricted entry of vehicles and parking into the campus to mitigate pollution within the campus premises



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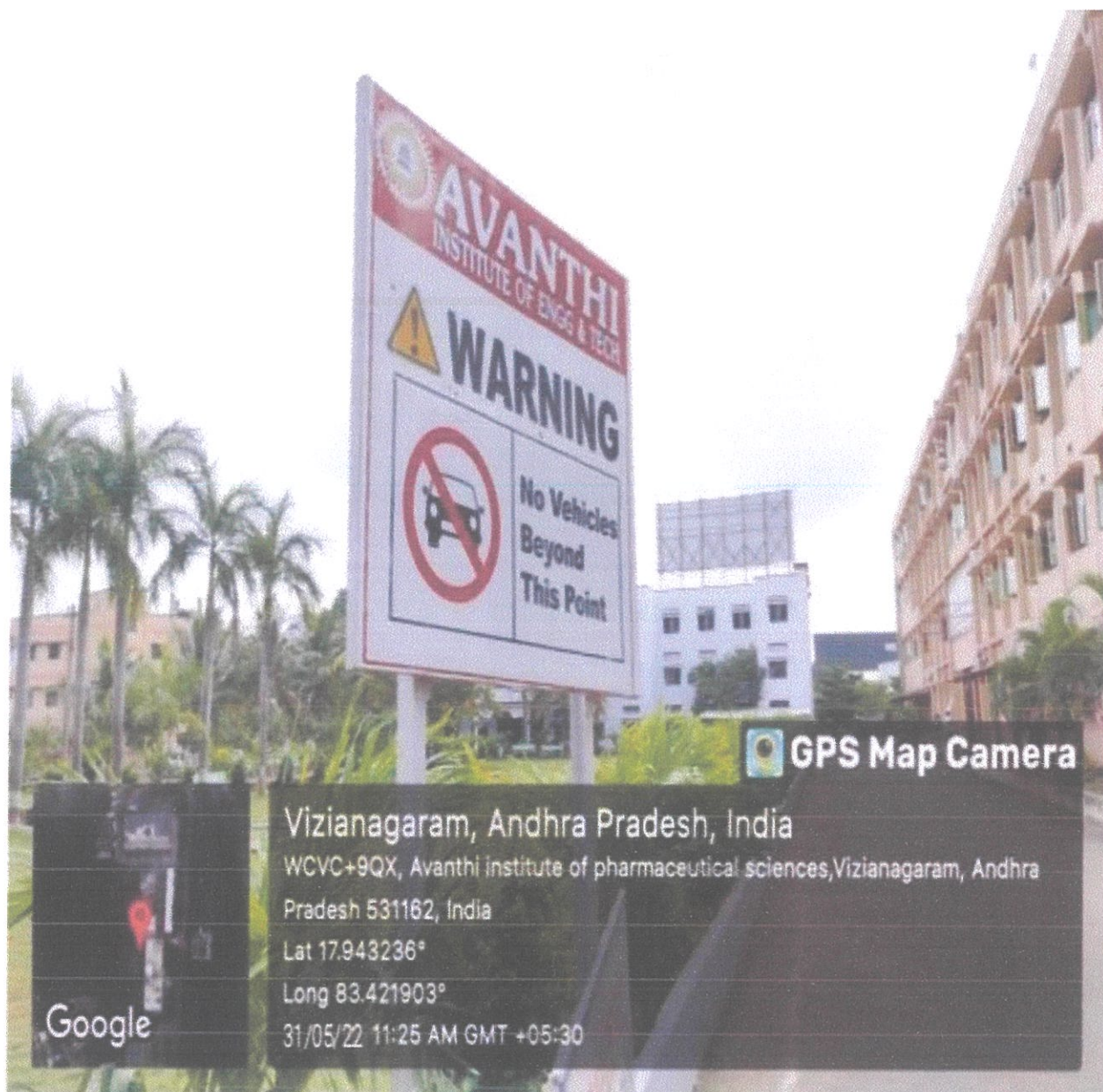


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Restricted Entry of Vehicles and Parking into the campus through signage



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3. GREEN BELT PLANTATION DRIVE [2021-2022]

1. TITLE OF THE PRACTICE: Greenbelt plantation drive at Avanathi Institute of Pharmaceutical Sciences

2. BENEFITS OF TREE PLANTATION:


- **Support for Biodiversity:** Trees provide habitats for various species, contributing to biodiversity and supporting diverse ecosystems.
- **Conservation of Soil:** The root systems of trees help prevent soil erosion and enhance soil structure.
- **Reduction of Noise:** Trees act as natural sound barriers, absorbing and deflecting noise, contributing to a quieter and more pleasant environment in the college surroundings.
- **Aesthetic Value:** Trees enhance the beauty of landscapes, making the campus more visually appealing.

3. OBJECTIVES:

- To enhance greenery in the campus.
- To increase the quality of air
- To make the campus pollution-free.
- To sensitize students towards the importance of plants.
- To establish a pleasant and enjoyable atmosphere.
- To motivate the staff and students through environmental literacy.
- To incorporate green protocol among students and staff.

4. ACTIVITY: The program commenced with the planting of trees in the East zone of the Main Campus. A total of 25 pits were prepared, and 25 small saplings were planted by 4th Pharm.D students, along with AIPS Principal-Dr.M.B.V.Raju and faculty member (Dr.T.RushiNaidu), in an area of 100 meters. The importance of maintaining and watering the plants was explained to all participants, making it a responsibility for everyone involved in the plantation drive. A total of 30 saplings were planted in this phase.




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Various plants that are planted in this phase include:

S.No	Name of the Plant	Common Name
1	Reba	Candy leaf
2	Clay Green Ficus	Ficus Tree
3	Aracuria Heterophylla	Norfolk Island Pine
4	Ficus Black	Weeping Fig



Faculty and NSS Volunteers associated with plantation program to nature a sense of environmental responsibility



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Green belt plantation drive conducted by 4th Pharm. D students as a part of NSS Committee on World environment day eve within the college premises



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Faculty and students initiating greenbelt plantation at the college campus fostering nature's importance



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B. Rikant
Sanitary Inspector
GVMC ZONE
Bheemunipatnam



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1. MAXIMIZING BICYCLES USE FOR SUSTAINABILITY AND HEALTH IN CAMPUS[2020-2021]

AIPS has undertaken this green campus initiative to raise environmental awareness and ensure the safety of students. Its primary goals are to decrease carbon emissions, improve the well-being of the campus community, and establish a vibrant, interconnected, and sustainable campus environment. The utilization of bicycles on campus entails a comprehensive approach that aims to seamlessly integrate cycling into the daily lives of the campus community. This involves the development of dedicated infrastructure, such as bike lanes and secure storage facilities, to provide cyclists with the necessary amenities for a safe and convenient experience. Additionally, awareness campaigns play a pivotal role in educating students, faculty, and staff about the benefits of cycling, promoting safety guidelines, and highlighting the positive impact on personal health and the environment.



By encouraging the use of bicycles, we can contribute to a healthier environment and reduce pollution.




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Maximizing Bicycles use for Sustainability and Health on Campus: For healthy and to reduce pollution in the campus and to effect the green health




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2. CAMPUS TREE PLANTATION [2020-2021]

Avanthi institute of pharmaceutical sciences have embarked on a noble endeavor to enhance the infrastructure of their campus, promote community engagement, improve healthcare facilities, and reap environmental benefits through plantation activities. This holistic approach includes various aspects such as careful selection and preparation of sites, choosing appropriate plant species, involving the community, implementing educational initiatives, and monitoring the progress. By adopting these practices, the institution aims to create a sustainable and eco-friendly campus, while also contributing to the preservation and enrichment of biodiversity.



Campus tree plantation initiative to promote sustainable tree development in the AIPS




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3. DIGITALIZE OFFICE FOR REDUCE PAPER USE [2020-2021]

AIPS management has taken the initiative to minimize paper consumption and enhance the digital infrastructure on campus. This endeavor aims to establish an environmentally friendly office by utilizing platforms like whatsapp and email to disseminate information to both staff and students. Additionally, the implementation of double-sided printing has been introduced. Introduce a digital document management system for administrative offices, enabling staff to create, store, and share documents electronically. Encourage faculty members to utilize learning management systems for course materials and assignments. Advocate for the use of official college email and communication platforms for announcements, memos, and inter-departmental communication. Utilize video conferencing tools for virtual meetings and collaboration, reducing the need for in-person meetings and printed materials. Regularly monitor and report on the college's progress in reducing paper usage, highlighting achievements and milestones.



Integration of digital systems in the AIPS workplace aiming for substantial reduction in paper usage




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Sanitary Inspector
GVMC ZONE _____
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1. BAN ON SINGLE USE PLASTIC[2019-2020]

AIPS has undertaken this green campus initiative for ban on single use plastic. Single-use plastic items refer to products that are intended for one-time use and subsequently thrown away. These items are manufactured using non-biodegradable materials, like water bottles and polythene covers, which can take hundreds or even thousands of years to break down. Single-use plastic items pose a significant threat to the environment, especially in oceans and water bodies, as they contribute to pollution. Additionally, they can cause harm to wildlife, as animals may confuse them for food or become trapped in them. Implementation of the Abandon Single-Use Plastic policy entails the prohibition of manufacturing, selling, distributing, and using specific single-use plastic items. The exact items that are prohibited may differ depending on the governing jurisdiction, but typically include plastic bags, straws, stirrers, cutlery, plates, and cups.



Information boards on "Ban on plastic within the campus" at AIPS Campus: To protect the environment and wildlife from the harmful effects of single use of plastic



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Informational Signage boards regarding “Stop Plastic Pollution” at AIPS campus to protect wildlife and environment from pollution



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2. CAMPUS CLEAN UP DRIVE [2019-2020]

AIPS has taken cleanup initiative contributes to maintaining a clean environment and has a significant influence on the overall impact on the environment. This measure has been implemented to foster a healthy environment, thereby preventing water and soil pollution. It greatly affects the college surroundings, ensuring clean grounds and pedestrian pathways. Additionally, it promotes a friendly atmosphere for communication between staff and students, facilitating the exchange of ideas and thoughts. Participating in a Campus cleanup drive demonstrates one's commitment to environmental responsibility, community engagement, positive mindset, and ensuring a healthy and safe campus. By collaborating with waste management organizations, individuals can take the initiative and contribute to front line decision-making, thereby enhancing their leadership skills as students.



Campus cleanup drive by AIPS students: Collection of bio-degradable waste to maintain outmost cleanliness and hygiene in campus




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Campus cleanup drive by AIPS students: Disposal of bio-degradable waste into trash bins to promote clean and hygienic campus ambience



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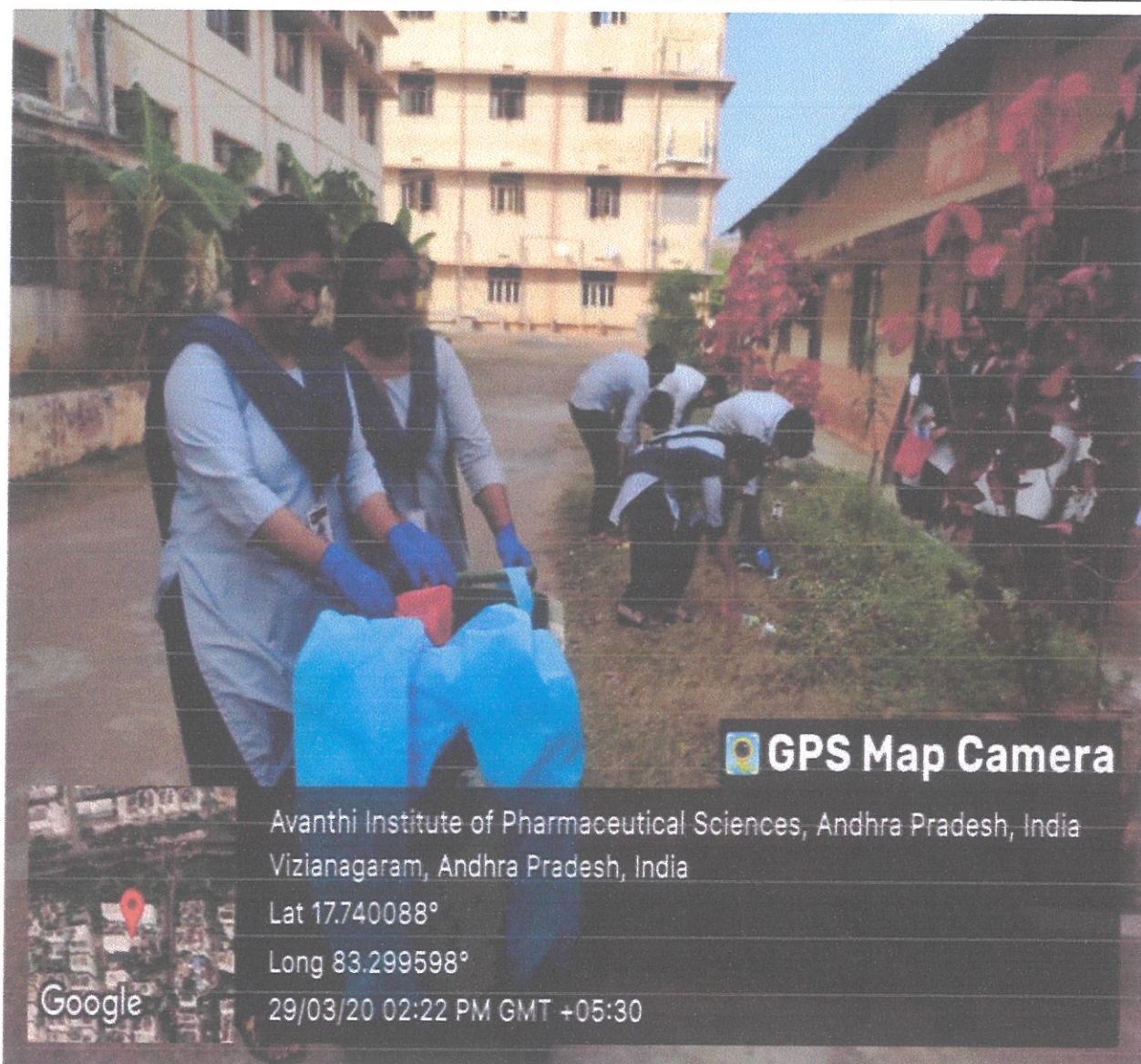



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 **GPS Map Camera**

Avanthi Institute of Pharmaceutical Sciences, Andhra Pradesh, India
Vizianagaram, Andhra Pradesh, India

Lat 17.740088°

Long 83.299598°

29/03/20 02:22 PM GMT +05:30

Google

Campus cleanup drive conducted by AIPS students as a part of green campus initiative: To promote hygiene and clean environment within the campus.




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3. USE OF LED AND SOLAR PANELS[2019-2020]

AIPS has undertaken this green campus initiative by incorporation of LED lights and solar panels across the campus is crucial for energy preservation. It contributes to the establishment of eco-friendly surroundings and has a significant influence on the campus environment. This measure has been implemented to foster a sustainable atmosphere, aiding in the reduction of electricity consumption and budgetary constraints. Consequently, it has a profound impact on energy conservation. The installation of LED lights in each and every room, as well as the implementation of solar panels (200KW) within the campus, aims to create the desired ambiance within the campus. By incorporating LED lighting on campus, energy efficiency can be enhanced, costs can be reduced, and sustainability efforts can be contributed to. LED technology offers bright and long-lasting illumination, while also allowing for creative lighting designs.



Renewable energy integration in AIPS campus through the installation of solar panels (200KW)



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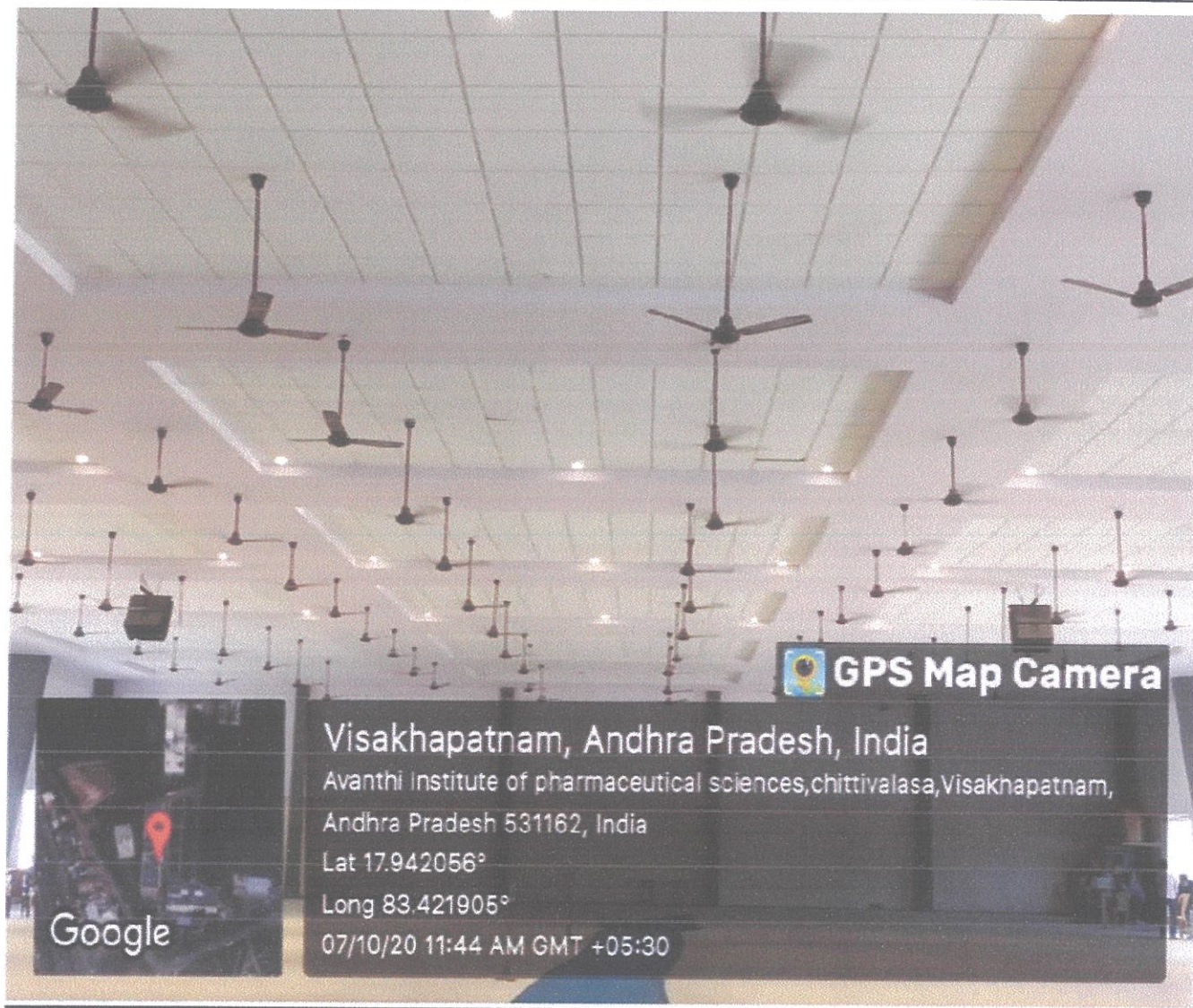


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AIPS Auditorium featuring LED technology: Assists in enhancing energy efficiency and reducing electricity usage in campus



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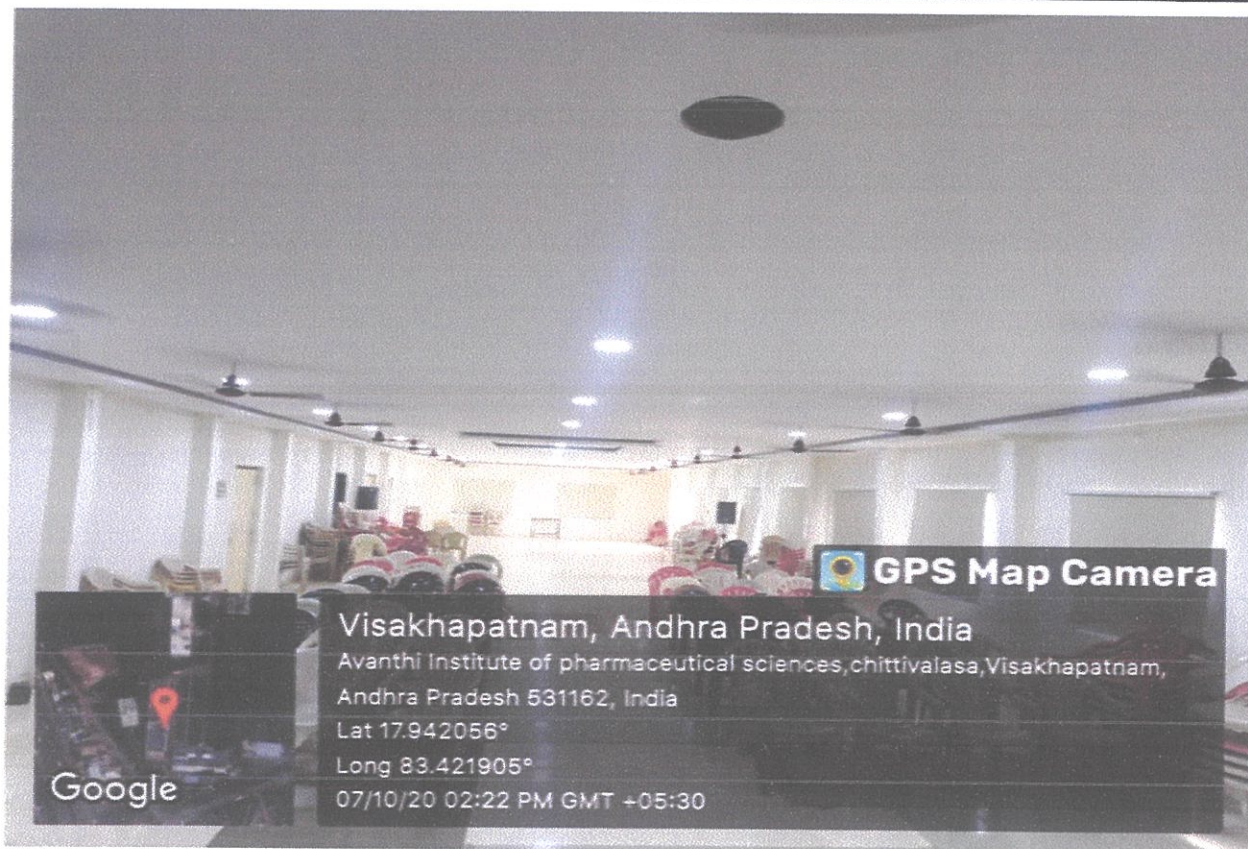


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LED powered seminar hall: LED lights in the seminar hall are an effective way to promote energy efficiency and reduce electricity consumption.



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Date : 18-04-2020.

District Green Champion Certificate

This is to certify that **AVANTHI INSTITUTE OF PHARMACEUTICAL SCIENCES**, Cherukupally (V), Bhogapuram (M) , Vizianagaram (Dist.), has successfully elevated the swachhta Action plan, practices in the areas of sanitation, Hygiene, Waste Management, Water Management, Energy Management and Greenery Management in the Academic Year 2019-2020 .

B. Subbath
Sanitary Inspector
GVMC ZONE _____
Bheemuram _____



[Signature]
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1. CAMPUS GARDEN INITIATION (2018-19)

AIPS has undertaken this green campus initiative by enhancing its plantation through gardens which have gained recognition for their ability to alleviate stress and enhance overall wellness. These serene havens offer students and faculty a peaceful sanctuary, fostering mental and emotional revitalization. The presence of these verdant areas promotes a sense of calm and self-reflection, particularly advantageous within an academic setting. To commence this endeavor, one should commence by ascertaining the appropriateness of plants for the campus lighting conditions and climate. Additionally, involving students and faculty in the planning and execution process is crucial. Furthermore, implementing a watering and maintenance plan is essential to ensure the garden's sustainability. Lastly, organizing workshops or sessions to educate the campus community about the significance of sustainable gardening is imperative.



Campus Garden Initiation by AIPS as a Part of Green Campus Initiation: Expanding the campus greenery and promoting a greener atmosphere.



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Campus Garden Initiation by AIPS as A Part of Green Campus Initiation: Expanding the campus greenery and promoting a sustainable atmosphere.



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2. E- LIBRARY AND DIGITALIZE LIBRARY [2018-2019]

AIPS implemented a digitalized e-library on campus to encompass various aspects such as selecting an appropriate platform or software, addressing copyright and licensing concerns, ensuring robust security measures, and creating user-friendly interfaces. Additionally, regular updates and maintenance are crucial to ensure the e-library remains current and secure. Considerations for implementing a digitalized e-library on campus encompass various aspects such as selecting an appropriate platform or software, addressing copyright and licensing concerns, ensuring robust security measures, and creating user-friendly interfaces. Additionally, regular updates and maintenance are crucial to ensure the e-library remains current and secure.



AIPS Electronic and digitalized library: To create a well-organized catalogue of e-books, journals, research papers, and multimedia resources.



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3. WASTE REDUCTION AND RECYCLING: [2018-2019]

AIPS waste reduction and recycling programs are crucial in tackling the environmental consequences of waste production, encouraging responsible resource utilization, and cultivating a sustainable mindset among students, faculty, and staff members. In order to implement waste reduction and recycling measures successfully within a campus environment, it is imperative to adopt a comprehensive approach. This entails commencing with a meticulous evaluation and strategic planning process, which includes conducting waste audits and establishing well-defined, measurable objectives. Education plays a crucial role in fostering awareness and encouraging behavioral modifications, hence the initiation of campus-wide educational initiatives and events to inform and involve students, faculty, and staff is essential. Moreover, convenience is of utmost importance, thus strategically situating recycling bins in heavily frequented areas with prominent labeling and clear instructions is highly recommended.



Waste reduction and recycling by AIPS as a part of Green campus initiation: To minimize landfill contributions and promote eco - friendly habitat




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Recyclable materials transportation to recycling facilities after collection in landfills to encourage environmentally conscious habits.



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Date : 19-03-2019.

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Sanitary Inspector
GVMC ZONE _____
Bhogapuram



[Signature]
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