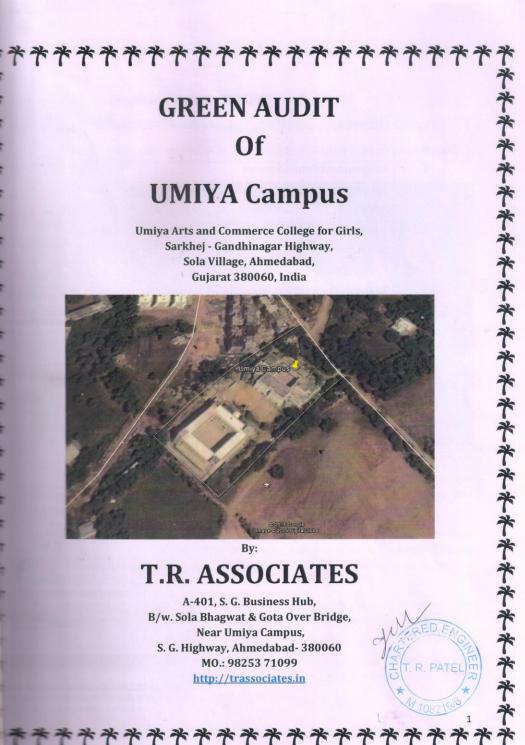
GREEN AUDIT







INDEX

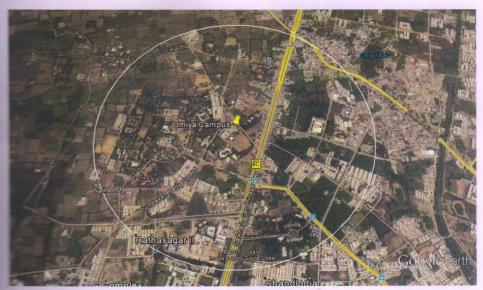
Sr.	Content	Page
No.		no.
1	Environment Consciousness	3
1.1	Does the Institute conduct a Green Audit of its campus and facilities?	3
1.2	What are the initiatives taken by the college to make the campus eco-friendly?	4
	A. Energy conservation	4
	B. Use of renewable energy	4
	C. Efforts for Carbon neutrality	4
	D. Plantation	4
	E. Hazardous waste management	5
	F. E waste management	5
	G. Miscellaneous	5
1.3	Conclusion	5
	Annexure 1 (Surrounding region around campus.)	7
	Annexure 2 List of trees in campus	8
	Annexure 3 Ambient Air Monitoring Report	9
	Annexure 4 Site Visit Photographs	10



1 Environment Consciousness

1.1. Does the Institute conduct a Green Audit of its campus and facilities?

The campus is pollution free, is on the periphery of the city & away from the hustle and bustle of the city.



The image shows 1 km radius surrounding college.

College has maintained the natural greenery of the college campus and has augmented it over the years on a continuous effort basis by regular upkeep and plantations.

Being a humanities related college there are neither chemicals used nor use of any and of equipments or machinery either consuming high power or generating pollutants.

Hence, our primary effort on this aspect is to create a high degree of awareness among the students, which we do consciously.

Since a large number of students stay from the hostel, which is in campus, the averall usage of vehicles is minimal. The Campus has well maintained roads which reduces the fugitive dust in atmosphere due to vehicles.

On the curriculum front, college teaches one foundation paper on Environmental Studies to all students of semester 2 (Arts & Commerce). All students have been trained to add environmental issues.

Awareness of environmental issues is spread in surrounding areas and villages by NSS teams whenever NSS camps are held.

1.2 What are the initiatives taken by the college to make the campus eco-friendly?

A. Energy conservation

College has been very conscious about conservation of Energy. We have a spacious building having broad passages and spaces that creates an ambience of openness. Since it is a new building, to maximize the element of natural lighting was one of the target areas.

Architecture of the building is such that minimum tube lights are required to be used. Students and faculties switch off tube lights and fans when not required or after classes. Air conditioners are used only when temperature is not comfortable. College is using only LED lights for their lighting purpose.

B. Use of renewable energy

To promote use of renewable energy we have set a bio-gas plant. Food waste and cooking waste from hostel is used as a feed in bio-gas plant.

C. Efforts for Carbon neutrality

Burning of waste and burning of papers is strictly prohibited in our campus. A large number of students stay in the hostel which is in campus itself so travel to college is not required for them.

The socio-economic profile of our students is such that most students commutes by public transport, because, of economic reasons and also because excellent connectivity for our location.

This overall reduces the carbon foot print.

D. Plantation

College has a total of <u>1994 trees</u> and plants in our campus; we have classified them & a study of their botanical names was done by our students. We have displayed their names & numbers at the entry of our college. Names and number of trees are also attached in Annexure 2.

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E. Hazardous waste management

idly?

College canteen does not keeping packed dry food. However, the use of plastics in college has been minimized by sensitizing all the students & non-technical staff about hazards of plastic.

acious ce it is College has provided dustbins at regular intervals & we ensure that the collected waste is disposed regularly by the municipal authority.

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aste and

F. E-waste management

- College practice buys back offers.
- Old computers are given for the use of children of Administrative Staff members.
- Old equipments like amplifiers and music systems are serviced and given to old age home.
- * Old cameras given to municipality schools.
- College advocate to the staff and students to exchange their old mobiles while purchasing new ones.
- CD's or DVD's are hardly used, as pen drives are provided to store data.

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G. Miscellaneous

- · College has developed a small area as kitchen Garden.
- . College has put a Chabutara in our campus.
- . College has also put 15 'Nest boxes' for sparrows in campus.
- There are farm houses in near surrounding area which has a lot of green and tree covered region which is also helpful in reducing pollution in the region.
- College has also Conducted Ambient Air monitoring in the campus. Results show the campus is pollution free with PM₁₀ and PM_{2.5} well under prescribed limits. Results are attached in Annexure 3.
- There are more than 45 known species of Birds found in campus.

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11.3 Conclusion

The surrounding area is pollution free and away from industries.



5

- The rooms are spacious with large windows and the architecture allowing lot of natural ventilation and lighting in the rooms.
- The campus has around 20% green cover with 1994 no. of trees and plants.
- There are 48 known species of trees and plants and more than 45 known species of birds found in the campus which shows a lot of biodiversity among flora and fauna in this region compared to city which shows the acceptance of these species to this region.
- The Campus has well maintained roads which reduces the fugitive dust in atmosphere due to vehicles.
- Adequate E-waste management is provided in the campus.
- The campus recharges groundwater from rainwater harvesting.
- The use of electricity is kept to minimum.
- ➤ With so many species and biodiversity, more than enough green cover, use of Green energy with biogas, use of less electricity, Rain water Harvesting, and less pollution, we can conclude that The Umiya Campus is a Green and Pollution Free campus.

lot of LE EDOTEN-COTEN Green Circle: 10 km Radius pecies ra and pecies lust in Chandkheda 3 Annexure: 1 (Surrounding regies around campus.) Blue Circle: 5 km Radius; use of and less ion Free ED ENG Sola Willage R. PATEL 10821916 White circle: 1 km Radius;

Annexure 2 List of trees in campus [વ્રક્ષોની લાઇવ સ્ટોક]

વૃક્ષોનુ નામ		વુક્ષોનુ નામ		
લીમડો (azadiraztha indica)	900(100)	કેળ (Musa acuranata)	२०(२०)	
ગૂંદી (cordia biossier)	५(5)	ખજૂરી (Phoenix sylvestris)	4(5)	
પીપળી (ficus religiosa)	२(2)	સીસમ	۷(8)	
પરદા વેલ	90(10)	મીઠો લીમડો (Bergera Koenigi)	u (5)	
તુલસી (ocimum sanctum)	900(100)	અશ્વગંધા	30(30)	
અરડ્રસી (Adhatoda vasica)	8(4)	નાળીચેરી (cocos nucifera)	3(3)	
અજમો	90(10)	કુવારપાઠુ (Aloevera)	90(10)	
મની પ્લાન્ટ	20(20)	અર્જુન .	2(2)	
સોનું કારપેટ્સ	۷(8)	ફૂદીન <u>ો</u>	90(10)	
કદમ	9(1)	બીકોડોરીયા	۷(8)	
બોગનવેલ (Bougainvillea glabra)	80(40)	મહેદી (Lausania alba)	90(10)	
અંજીર	2(2)	યાંદની	90(10)	
યમ્પો (Artabottys odoratissimus)	२(2)	રેડ એકઝોરા (Ixora coccinea)	9(7)	
સપ્તપણી (Alstonia scholaris)	80(40)	નગોડ (Vitex nirgundi trifolia)	۹(1)	
ళ్లర (Jasmin ariculatum)	90(10)	ડમરો	२०(२०)	
રાતરાણી (cestrum nocturnum)	\$(6)	પ્લાસ	2(2)	
કણઝી (cedrus libani)	90(10)	સુદર્શન	90(10)	
આસોપાલવ (Polisathina Imgifolia)	90(70)	મધુમાલતી (Quisaualis indica)	\$(6)	
કરેણ (Nerium Indicum)	90(10)	પિન્ક યાઇનિસ એક્જોરા	30(30)	
બારમાસી (Catharanthus roseus)	२०(२०)	જાસ્દ (Hidiscus rosasinensis)	90(70)	
લીંબુડી (Citrus Acida)	५(5)	જાંબુડો (Eugrina Jambolana)	५(5)	
સેવન (Gmelina Ardorea)	۷(8)	મોગરો (Jasnunam sambac)	90(10)	
સમી	۹(1)	કાચનાર	2(2) RED	
મિંટ	90(10)	બસણી બેલ	9(2)	

બીલીપત્ર (Aegle marmelos)	२(2)	ડોંકી બેલ	98(14)
સાઇક્સ	2(2)	સીત્રા	9(1)
યાઇનિસ યંપા	90(10)	ટેબલ પામ	२(2)
શો પીસ	50(50)	ભાજી મહેંદી	२५०(२५०)
લિલી	906(108)	એલ્ટ્રોફા ફૂલ	90(10)
બોટલ પામ	90(10)	પામ પોનીસ	2(2)
ગરમાડો	9(6)	બ્લેક ફેક્સ ફંટા	۷(8)
डेन <u>ा</u>	50(60)	કેવડો	५(5)
सतावही	90(10)	ગોલ્ડન ફેક્સ ફંટા	५(5)
લાલ મહેંદી	500(500)	હરસિંગ હરબેલ	9(1)
<u>પોરસલી</u>	\$(6)	કરેણ	\$(6)
રબર બેલ	2(2)	બોડલિયા બેલ	90(20)
મિક એક્ઝોરા (Ixora coccinea)	8(4)	કપાસ	\$(6)
इसरीना	\$(6)	કેકટસ	\$(6)
अर्थे हुं	2(2)	શો પીસ	8(4)
હીકુમાં	90(10)	ડરવતન	8(4)
नागहेव	50(50)	સફેદ આંકડો	9(1)
世	90(10)	ક્રિસમસ ટ્રી	9(1)
ક્યાત્ર પીપડી	2(2)	બોડલિયા ફૂલ	20(20)
યુકી બેલ	۹(1)	નાગયંપા	9(7)
डेडोटेटेच प्लांट्स	22(22)	એલોમેંડાં બેલ	3(3)
ची⊲ ही	५(5)	પાસિજાત	५(5)
महर प्रसद	२५(25)	એપરિંડા પામ	५(5)
गोडन महेंदी	500(500)	સઈંટ ઓફ ઈન્ડિયા	34(35)
WEER VELOC	५०(50)	§ल (TOTAL)	9668(1994)
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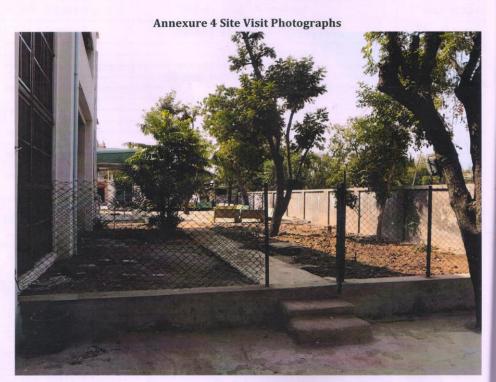
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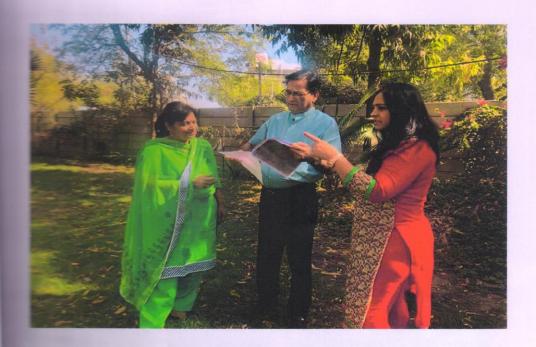
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Ayurveda & Medicinal plants



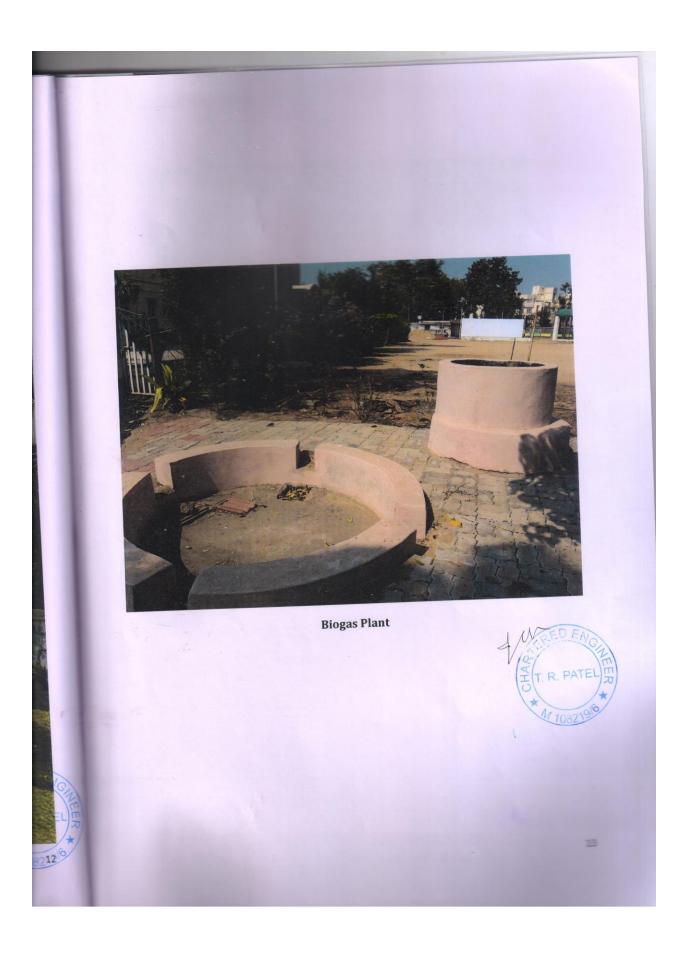














Ambient Air Sampling

