Amritsar Group of Colleges, Amritsar (formly known as Amritsar College of Engineering and Technology) was started in the year 2002. Since then, it has grown with time. At present, the Institute runs several UG and PG programmes. AGC has an eco-friendly environment. It has a long legacy of healthy environmental practices including periodic plantation, their preservation and maintenance.

GREEN AUDIT

Green Audit is a process of systematic identification, quantification, recording, reporting and analysis of components of environmental diversity of various establishments. It aims to analyze environmental practices within and outside of the concerned sites, which will have an impact on the eco-friendly ambience. As environmental sustainability is becoming an increasingly important issue for the nation, the role of higher educational institutions in relation to environmental sustainability is more prevalent. The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development and at the same time reduce a sizable amount of atmospheric carbon-di-oxide from the environment. The National Assessment and Accreditation Council, New Delhi (NAAC) has made it mandatory that all Higher Educational Institutions should submit an annual Green Audit Report. Moreover, it is part of Corporate Social Responsibility of the Higher Educational Institutions to ensure that they contribute towards the reduction of global warming.

The purpose of the green audit of Amritsar Group of Colleges, Amritsar is to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The methodology include: physical inspection of the campus, observation and review of the documentation, interviewing key persons, measurements and recommendations. The Institute has adopted the 'Green Campus' system for environmental conservation and sustainability. There are main three pillars i.e. zero environmental foot print, positive impact on occupant health and performance and 100% graduates demonstrating environmental literacy. The goal is to reduce CO2 emission, energy and water use, while creating atmosphere where students can learn and be healthy.

TREE DIVERSITY

The trees of the college have increased the quality of life, not only the college fraternity but also the people around of the college in terms of contributing to our environment by providing oxygen, improving air quality, climate amelioration, conservation of water, preserving soil, and supporting animal species, controlling climate by moderating the effects of the sun, rain and wind. Leaves absorb and filter the sun's radiant energy, keeping things cool in summer. A thick belt of large shady trees in the periphery of the college have found to be bringing down noise and cut down dust and storms. Thus, the college has been playing a significant role in maintaining the environment of the entire campus and its surrounding areas.

WATER AUDIT

Facilities of raw water intake through bore wells and municipal water supply.

Facility for waste water treatment through Sewage Treatment Plant (STP), recycled water utilized for lawns and plantations within the campus.

Rain water Harvesting (RWH) facility is provided to the girl's hostel which is located inside the campus.

NOISE AUDIT

Majority of the students comes from local city, are advised to utilize the college bus facilities.

If students / faculty members are using their own vehicles are strictly advised to minimize the speed limit and not to horn inside the campus.

Also students are advised to not to use vehicles unnecessarily within the campus to minimize the air pollution.

Even though Amritsar- Jalandhar highway runs beside the campus, no noise pollution harms the learning environment, as the buildings are nearly about 500mts away from the road and also the tall trees inside the campus acts as obstrucals for noise transmission.

ENIVRONMENTAL QUALITY AUDIT

Programs have been undertaken by the institute for plantation. The green belt is also maintained to reduce the pollution level by decreasing the carbon dioxide level.

Every year on June 5th World Environmental Day (WED) will be celebrating by inviting a special guest to elaborate impact of healthy environment on human life among students and staffs. As a part of curriculum, university has incorporated environmental related subjects to have environmental education.

Generated Solid wastes like waste papers, Blue books, vegetable matter and miscellaneous are systematically dumped into a earthen pit for natural decomposition instead of burning, thereby reduction in co2 has achieved.



GREEN AUDIT REPORT 2018-2019



AGC MOTO: ONE STUDENT ONE TREE

Executive Summary

The rapid urbanization and economic development at local, regional and global level has led to several environmental and ecological crises. On this background it becomes essential to adopt the system of the Green Campus for the institutes which will lead for sustainable development.

Amritsar Group of Colleges, Amritsar, is deeply concerned and unconditionally believes that there is an urgent need to address these fundamental problems and reverse the trends. The purpose of the analysis was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. It works on the several facets of 'Green Campus' including Water Conservation by Rain water Harvesting, Tree Plantation, Waste Management, Paperless Work and Alternative Energy (Solar System).

Introduction

Green means eco-friendly environment. GREEN can be described as 'Global Readiness in Ensuring Ecological Neutrality'. Green audit helps to get an idea about the energy consumption. It is connected to sustainable development process and is an effective way to solve the environmental problems.

Objectives

The main objective of the green analysis is to promote the Environment Management and Conservation in the College Campus. The purpose of the analysis is to identify, quantify, describe and **prioritize framework of Environment Sustainability** in compliance with the applicable regulations, policies and standards.

The main objectives of carrying out Green Analysis are:

- 1. To map the Geographical Location of the College.
- 2. To document the floral and faunal diversity of the College.
- 3. To record the meteorological parameter of Manawala where college is situated.
- 4. To introduce and aware students to real concerns of environment and its Sustainability.
- 5. To secure the environment and cut down the threats posed to human health by analysing the pattern and extent of resource use of the campus.
- 6. To document the ambient environmental condition of weather, air, water and noise of the College.
- 7. To estimate the Energy requirements of the College.
- 8. To report the expenditure on green initiatives during the last five year.

Conclusion

For a healthy future, saving money and befitting the environment green audit is important.

Vision and Mission statement

Vision

To produce competent Business Professionals and Entrepreneurs with necessary managerial and analytical skills possessing decision making ability.

Mission

- To nurture the future business professionals and entrepreneurs through imparting high quality value based teaching, research and practical training that meets industry expectations.
- To prepare management professionals with global mindset having outstanding leadership quality and impeccable personality.
- To bridge the gap between theory and practical in the knowledge economy.
- To provide high quality career enhancing business education.
 To foster a passion for learning and creative thinking among the students

Green Audit Assessment Team

Internal

- > Dr. Gurbir Singh, Associate Professor, Department of Agriculture.
- > Dr. Maninder Singh Gill, Head, Department of Management Studies.
- > Dr. Upain Bhatia, Head, Department of Civil Engineering.
- Dr. Kalpana Jaggi, Associate Professor, Department of Agriculture.
- Mr. Vicky, Supervisor AGC Agro Farm

External

- > Mr. Sharanjeet Singh, Khalsa College, Amritsar.
- Mr. Satnam Singh, Associate Professor, Soil Sciences, Khalsa College, Amritsar.
- > Mr. Manpreet Singh, Associate Professor, Soil Sciences, Khalsa College, Amritsar.
- Dr. Amrinder Singh Riar, Assistant Professor, Department of Agriculture, Guru Nanak Dev University.

AGC GREEN MAP



S.No	Area Covered	Trees	Plants
1	Entrance	15	10
2 .	Account's Office front	18	138
3	Canteen Area	19	16
4	Principal Residence	18	27
5	Girls Hostel	06	04
6	Side of Canteen	15	15
7	Main Ground	92	60
8	Pharmacy side	-	95
9	Ground in front of Chandrawat	12	140
	Block		
10	Fountain	06	23
11	Front side	08	29
12	Ground in front of Library	11	30
13	Mechanical side	09	50
14	Boys Hostel	06	87
15	Girls Hostel	8	-
16	Side of main ground	11	75
17	AGC Agro Farm	120 (Fruit Tree)	460
	Total	374	1259

Details of Trees and Plants in Campus

Trees and Plants found at AGC

S.No	Name of Tree /Plant
1	Bottle Palm
2	Patonia
3.	Marigold
4.	Rose
5.	Alkanet
6.	Kesar
7.	Calendula
8.	Fish Palm
9.	Foxtal Palm
10.	Chrysanthemum
11.	Ficus
12	Mango

Detail of Pots

Sr. No.	Department	Number of Pots
1	AGC Agro Farm	589
2	Applied Sciences	112
3	Mechanical & Civil Department	51
4	Main Building	16
5	Pharmacy	12
6	Girls Hostel/ Boys Hostel	55

Electric Power Consumption at AGC

The Institution has facilities for alternate sources of energy and energy conservation measures

- Solar energy
- Wheeling to the Grid
- Sensor-based energy conservation
- Use of LED bulbs/ power efficient equipment

Solar Energy:







AGC Organic Agro Farm

Farm Facilities

- Various agricultural field equipments such as Sonalika Tractor, Disc harrow, Rotavator, Ridger, Cultivator, Mould Board Plough etc.
- AGC Organic Agro Farm has large area land, rainwater harvesting system and Drip irrigation system with fish rearing pond.
- Well-equipped Polyhouse and Green house for raising off-season crops.

Main Attractions at AGC Agro Farm



- Ornamental Garden
- AGC Ayur Garden
- Spice Valley
- Bonsai Garden
- Sensory Garden
- Wishing Corner
- Cactus Garden

- Hydroponics Unit .
- Mushroom Unit .
- Vermicompost Unit .
- Polyhouse .
- Fish Culture pond Fruit Nursery .
- .
- Organic Farming Natural Forest .
- .

Vermicomposting



Hydroponics Unit



Mushroom Unit



Polyhouse



Rain Water Harvesting System



Drip System Attached With Fish Pond



Ayurvedic Garden



Student Experimental Garden



Bonsai Garden



Growing of Vegetable under Polyhouse conditions



Mushroom Cultivation Unit:





AGC Aquafarming





Black Rice Growth

Black Rice Growth





Oyster and button mushroom cultivation





Types of Birds found at AGC

S.No	Bird Name	Bird Picture
1	Lesser whistling duck	
2	Chukar Patridge	
3	Rock Pigeon	
4	Booted Eagle	

5	Rose-ringed Parakeet	
6	Black –winged stilt	
7	Alexandrine parakeet	

Report Certified and verified by :

Internal

wwwsiQ

Dr. Gurbir Singh

W

Dr. Upain Bhatia

Ms. Binod Kaur

Kor

Dr. Kalpana Jaggi

M8el. Dr. Maninder Singh Gill

Mr. Vicky

External

Mr. Sharanjeet Singh

Mr. Manpreet Singh

Mr. Satnam Singh

Dr. Amrinder Singh Riar,

Dr. V. K. Banga (Principal)





GREEN AUDIT REPORT 2020-2021

AGC MOTO: ONE STUDENT ONE TREE

EXECUTIVE SUMMARY

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Energy (Solar System)

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- 8. To report the expenditure on green initiatives during the last five year.

CONCLUSION

For a healthy future, saving money and befitting the environment green audit is important.

VISION AND MISSION STATEMENT VISION

To produce competent Business Professionals and Entrepreneurs with necessary managerial and analytical skills possessing decision making ability

MISSION

- To nurture the future business professionals and entrepreneurs through imparting high quality value based teaching, research and practical training that meets industry expectations.
- To prepare management professionals with global mindset having
- Outstanding leadership quality and impeccable personality. \checkmark
- To bridge the gap between theory and practical in the knowledge economy.
- To provide high quality career enhancing business education. \checkmark
- To foster a passion for learning and creative thinking among the \checkmark students
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DETAILS OF TREES AND PLANTS IN CAMPUS

10	PLANTS	TREES	AREA COVERED
1	Entrance	30	50
2	Account's Office front	18	138
3	Canteen Area	19	16
4	Principal Residence	18	27
5	Girls Hostel	06	04
6	Side of Canteen	15	15
7	Main Ground	92	90
8	Pharmacy side		95
9	Ground in front of Chandrawat Block	27	151
0	Fountain	06	23
11	Front side	08	29
12	Ground in front of Library	11	92
13	Mechanical side	09	50
14	Boys Hostel	06	87
15	Girls Hostel	10	
16	Side of main ground	11	75
17	AGC Agro Farm	120 (Fruit Tree)	475
	Total	406	1417

Trees and Plants Found at AGC

S.No	Name of Tree /Plant
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2	Patonia
3	Marigold
4	Rose
5	Alkanet
6	Kesar
7	Calendula
8	Fish Palm
9	Foxtal Palm
10	Chrysanthemum
11	Ficus
12	Mango
13	Grapes
14	Lemon
15	Orange

Detail of Pots	
Department	Number of Pots
AGC Agro Farm	589
Applied Sciences	112
Mechanical & Civil Department	51
Main Building	16
Pharmacy	12
Girls Hostel/ Boys Hostel	55
	Detail of Pots Department AGC Agro Farm Applied Sciences Mechanical & Civil Department Main Building Pharmacy Girls Hostel/ Boys Hostel



Electric Power Consumption at AGC

The Institution has facilities for alternate sources of energy and energy conservation measures

- SOLAR ENERGY. P
- WHEELING TO THE GRID. R
- SENSOR-BASED ENERGY CONSERVATION. R
- USE OF LED BULBS/ POWER EFFICIENT EQUIPMENT. R



1. Various agricultural field equipments 2. AGC Organic Agro Farm has large such as Sonalika Tractor, Disc harrow, Facilities Rotavator, Ridger, Cultivator, Mould Board Plough etc.

area land, rainwater harvesting system and Drip irrigation system with fish rearing pond.

3. Well-equipped Polyhouse and Green house for raising off-season crops.

4







AGC Aqua Farming





Black Rice Growth





Oyster and Button Mushroom Cultivation









TYPES OF BJRD FOUND AT A







Lesser whistling duck

Chukar Patridge

Rock Pigeon



Rose-ringed



Parakeet



Black –winged stilt



Alexandrine parakeet