

Green Audu

Green Area Evaluation

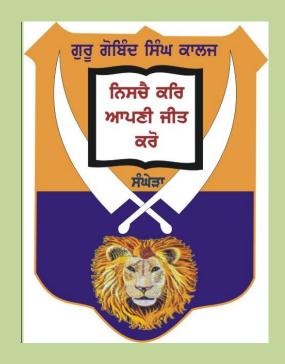
Dis Sarbjit Singh Kular

2019-2020

Green Audit Report

of

Guru Gobind Singh College, Sanghera (Barnala)



Green Audit Committee

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Introduction

Now a day Green Audit is a tool for environmental protection and conservation. Human life become more comfortable because of industrialization and motor vehicle. In such situation, our nature and its various aspects are disturbed. Natural resources, forest, wildlife almost on the verge of extinction. Today, every person are getting familiar to issues which concerned with environment like global warming, green house gases, Ozone layer, climate disturbance etc. Inexhaustible rubbish and the increasing number of dangerous gases on the earth have not only tarnished the face of the earth but also posed a threat to human life.

Efforts have been made by the government and other concerned agencies to come up with a definite platform to tackle this problem. To face environmental problems of pollution and excess use of natural resources, Indian government declared the "Mission of Swachh Bharat Abhiyan". Not only cleanliness is the goal of this mission but also the beauty of the earth is a part of this link. University Grants Commission has mentioned "Green Campus, Clean Campus" mission for all highly educational institutes. A special syllabus/subject of Environment also apart of UG/PG classes because the role of higher educational institution in relation to environmental sustainability is more prevalent.

So green audit is most effective ecological tool to solve the problems which we face because of polluted environment. Green Audit not only one of the initiative which account institution energy, water resource and green landscape but also can play an important role to how we use water resources, solid waste, E-waste. Green Audit can create consciousness towards ecological values and ethics and can give a direction about how we improve the environment surroundings.

- 1. It is a process of an analyze identified, qualified the components of environment diversity of institute. Its aim to provide the eco-friendly events to rich the quality of environment.
- 2. Economic development change the life style, which effected the local, regional, global, social and ethic value. Human wants something better than other, which create several environmental and ecological crises.

Methodology

The purpose of green audit of GGSC is to insure that the policy which made by Government and other Eco-Friendly. Agencies followed in practices in the college campus and accordance with the 'Green and Clean India'. The methodology includes:

- 1. Physical inspection of college campus
- 2. Collection off data
- 3. Observation an facts
- 4. Review of documentation and data analysis
- 5. Focus on shortcomings and efforts for improvements

Objective of Green Audit

Green Audit has been becoming an important paramount for self-assessment of the institution because it can clean the role of college in the environment problems. Purpose of Green Audit is identifying the framework of environment sustainability with rules and regulation and policies so the main objective of this audit is:-

- 1. To identify and analyze the environmental issue.
- 2. To examine the current practices.
- 3. To map the geographical location of the college.
- 4. To document the floral and other green diversity of the college.
- 5. To estimate the natural resources and its use in college.
- 6. To document the environmental condition of weather, air, water and noise of the college.
- 7. Continuous assessment for the best performance in the green practices and its analysis.
- 8. Suggestion for best results in green practices.
- 9. Efforts for solve the environmental issue before they create a problems for institution.
- **10.** Compare the task, which we done with other institution.

Green Auditing

Total trees and other plants in college campus-1623

Species of Rose-7

Species of Marrygold-4

Species of Chandni- 3

Species of Kumar-2

Species of Patthar Chatt-3

Species of Molshree-3

Species of Raat di Rani-3

Species of Kallion-2

Species of Harbls-2

List of tree species of Guru Gobind Singh College

Sr. No	Botanical Name	Family	Common name
1.	Eucalyptus	Myrtaceae	Safeda
2.	Hibiscus rosa sinensis	Malvaceae	Hibiscus
3.	Cassia Fistula	Fabaceae	Amaltas
4.	Milpettiapinnale	Pongamia	Sukhchain
5.	Mimusopselengi	Supotaceae	Maulishree
6.	Terminaliaurjuna	Terminalia	Arjun
7.	Morus Alba	Rubus	Shahtoot
8.	Ficuselastica	Moraceae	Rubber Plant
9.	Syzygiumcumini	Myrtaceae	Jamun
10.	Madheicalongifolia	Madhuca	Mahua
11.	Azadirachtaindica	Meliaceae	Neem
12.	Dekan	-	Dekan
13.	Bugalbael	-	Bugalbael
14.	Rosa	Rosaceae	Rose
15.	Ziziphusmauritiana	Rhammaceae	Ber
16.	Grevillearobusla	Proteaceae	Silver oak
17.	Hyophorbelogenicaulis	Palm	Bottle Palm
18.	Araucaria-araucana	Araucariaceae	Arocaria
19.	Moringaoleifera	Moringaceae	Suhanjana
20.	Ficus	Mullbery	Ficus
21.	Callistemon	Myrtle	Bottle Bush
22.	Oleander	Dogbanes	Kaner
23.	Alstonia	Apocynaceae	Sat Patti
24.	Saracaasoca	Fabaceae	Ashoka
25.	Delonixregia	Royalponicina	Gulmohar
26.	Kigeliaafricana	Bignonias	Balm-Kheera
27.	Tabernaemontana	Apocyaceae	Chandni
28.	Araucaria-helerophyeea	Araucariaceae	Christmas Tree
29.	Mangiferaindica	Anacardiaceae	Mango Tree
30.	Arecalas	Arecaceac	Kangghi Palm

Details of Trees and Plant According to Building / Block

Block No: 1

Maharaja Ranjit Singh Park				
Total No of Trees			Types of Trees	
35			17	
Sr. No	Tree's	Name	No of Trees	
1.	Bottle	Palm	04	
2.	Amı	rood	01	
3.	Pill	kan	01	
4.	Gul	acin	01	
5.	Aaro	karia	01	
6.	Gulm	ıohar	02	
7.	Ka	ner	03	
8.	Lase	oodi	03	
9.	Ashoka		04	
10.	Sukhchain		03	
11.	Shreen		02	
12.	Bottle brush		03	
13.	Silver oak		01	
14.	Sat 1	Patti	01	
15.	Hav	ikas	02	
16.	Ma	hua	02	
17	De	eak	02	
	Ot	thers		
Total	Total No of Others Types of Others			
39 05			05	
Sr. No	Other's	s Name	No of Others	
1.	Pattha	r Chatt	05	

2.	Tulsi	30
3.	Buganbilla	01
4.	Sukhdarshan	02
5.	Rabar Plant	01

Rani Jhasi Park				
No of Total Trees		Types of Trees		
	88	21		
Sr. No	Tree's Nam	e No of Trees		
1.	Amaltas	01		
2.	Sukhchain	10		
3.	Kaner	02		
4.	Deakan	11		
5.	Havikas (Angı	reji) 07		
6.	Havikas(des	i) 05		
7.	Lasoodi	01		
8.	Lasooda	01		
9.	Gulacin	01		
10	Bottle Brusl	n 10		
11.	Bottle Palm	ı 06		
12	Aarokaria	01		
13.	Neem	05		
14.	Chandni	16		
15.	Ashoka	03		
16.	Satt Patti	01		
17.	Bohar	01		
18.	Silver Oak	01		
19.	Toot	01		

20.	Jamun		01
21.	Gulmoh	ar	03
	(Others	
Tota	l No of Others	Туре	s of Others
38		05	
Sr. No	Other's Name		No of Others
1.	Gulab		10
2.	Sukhdarshan		06
3.	Genda		15
4.	Rabar Plant		02
5.	Gulodius		05

Swami Vivekananda Park				
Tota	l No of Trees	Types of Trees		
	10	04		
Sr. No	Tree's Nam	e No of Trees		
1.	Arjun	02		
2.	Sukhchain	03		
3.	Neem	03		
4.	Kassian	02		
	Ot	hers		
Total N	o of Others	Types Of others		
	123	04		
Sr. No	Other's Nan	ne No of Others		
1.	Sadha Bha	ar 15		
2.	Gulab	31		
3.	Genda	52		
4.	Lily Flowe	rs 20		

Canteen Park			
Total	No of Trees	Types of Trees	
	130	09	
Sr. No	Tree's Name	No of Trees	
1.	Ashoka	10	
2.	Amrood	03	
3.	Tahali	01	
4.	Silver Oak	01	
5.	Dekan	17	
6.	Kaner	03	
7.	Toot	03	
8.	Aarokaria	02	
9.	Havikas	77	
	Oth	ers	
Total	No of Others	Types of Other	
07		02	
Sr. No	Other's Nam	e No of Others	
1.	Rabar Plant	02	
2.	Sukhdarshar	05	

Canteen Surroundings					
Tot	Total No of Trees Types of Trees				
	39	07			
Sr. No	Tree's Name	Types of Trees			
1.	Boharh	01			
2.	Ashoka	30			
3.	Kaner	02			

4.	Bakrain	01
5.	Lasooda	02
6.	Mahua	02
7.	Dekan	01

Boundary Wall And Main Gate					
Tota	Types of Trees				
	33		09		
Sr. No	Tree's	Name		No of Trees	
1.	Ash	oka		14	
2.	Sukho	chain		06	
3.	Aarol	karia		02	
4.	Ima	ali		01	
5.	Sahag	gban		01	
6.	Pilk	an		02	
7.	Havikas		02		
8.	Nee	em		04	
9.	Botal	Palm		01	
		Others			
Total N	Total No of Others			Types of Others	
	02		02		
Sr. No	Other's Name		No of Others		
01	Cactus			01	
02	Patthar Chatt			03	

Block No: 02

Kalpna Chawla Park				
Total No of TreesTypes of Trees				
185		21		
Sr. No	Tree's	s Name	No of Trees	
1.	Asl	ıoka	55	
2.	Т	oot	01	
3.	Ne	eem	01	
4.	Sukh	chain	01	
5.	Del	kaan	06	
6.	Fari	nanh	02	
7.	Jai	nun	01	
8.	Bottle	e Palm	27	
9.	Silve	r Oak	01	
10	Kangl	ni Palm	03	
11.	Chandni		10	
12.	Saru		02	
13.	Fikas		58	
14.	Arjun		03	
15.	Balan	ı Khira	02	
16.	Suh	anja	01	
17.	Double	Chandni	07	
18.	Sh	reen	01	
19.	Mor	Pankh	01	
20.	Bottle Bursh		01	
21.	21. Aarokaria		01	
		Others		
Total N	lo of Others	Types	s of Others	
	149		03	
Sr. No Other		's Name	No of Others	

Gulab	06
Genda	43
Jamani Flowers	100

Park Kanjka			
Total No	o of Trees	Types of Trees	
154		19	
Sr. No	Tree's	Name	No of Trees
1.	Ash	loka	64
2.	Dek	aan	03
3.	Jan	nun	02
4.	Gulk	haira	01
5.	Ar	jun	01
6.	Pij	pal	01
7.	Suh	anja	02
8.	Tik	oma	01
9.	To	oot	02
10.	Neem		02
11.	Bottle Palm		10
12.	Kangi	i Palm	03
13.	Bottle Brush		01
14.	Farmaah		02
15.	Fikas		05
16.	Chandni		12
17.	Double	Chandni	07
18.	Kalina		34
19.	Mor Pankh 02		02
	Others		
Total No	Total No of Others		pes of Others
1	108		02

Sr. No	Other's Name	No of Others
1.	Gulab	08
2.	Jamni Flowers	100

Inside (Block 2)				
Total No of Trees		Types of 7	Types of Trees	
	56		06	
Sr. No	Tree's Nan	ie	No of Trees	
1.	Ashoka		53	
2.	Neem		01	
3.	Dekaan		02	
4.	Kalian		02	
5.	Kanggi Pal	m	04	
6.	Fikas		02	
Others				
Sr. No	Other's Nat	ne	No of Others	
1.	Tulsi		50	

Out Side (Block-2)				
Total N	Total No of Trees		Types of Trees	
3	321	07		
Sr. No	Tree's Na	nme No of Tree	es	
1.	Ashok	a 305		
2.	Neem	n 04		
3.	Toot	07		
4.	Bari	02		
5.	Tahal	i 01		
6.	Suhan	ja 02		
7.	Mahu	a 01		

Block No: 03

	Pa	rk Naik		
Total	Total No of Trees		Types of Trees	
	168	08		
Sr. No	Trre's Na	ame	No of Trees	
1.	Chand	ni	100	
2.	Double Ch	andni	30	
3.	Kalia	1	11	
4.	Amalta	ns	10	
5.	Dekaa	n	07	
6.	Gulmoh	ar	11	
7.	Kalli pam		04	
8.	Neem		01	
	(Others		
Total N	Total No of Others T		es of Others	
:	104		04	
Sr. No	Other's Name		No of Others	
1.	Raat Di Rani		02	
2.	Genda		50	
3.	Gulab		50	
4.	Suraj Mukhi		02	

Bhagat Puran Singh Park			
Total No of TreesTypes of Trees			
219		08	
Sr. No	Tree's Name		No of Trees

1.	Kadam		18	
2.	Bottle	Palm	61	
3.	Ash	oka	40	
4.	Fik	as	49	
5.	Havi	ikas	44	
6.	America	n Neem	01	
7.	Toot		05	
8.	Arjun		01	
Others				
Total No	Total No of Others T		ypes of Others	
	96		01	
Sr. No	Other's Name		No of Others	
1.	Gulab		96	

<u>Stadium</u>

	Stad	lium
Tota	l No of Trees	Types Of Trees
	185	21
Sr. No	Tree's Nam	e No of Trees
1.	Neem	38
2.	Dekan	67
3.	Balm Khira	04
4.	Arjun	06
5.	Sukhchain	24
6.	Toot	11
7.	Bakrain	02
8.	Pilkan	01
9.	Jamun	02
10.	Kachnar	01
11.	Pahadi Neer	n 01
12.	Kaner	05
13.	Beri	01
14.	Sarinh	02
15.	Tahli	01
16.	Safaida	03
17.	Takoma	01
18.	Kalian	01
19.	Ratan Jot	06
20.	Botal Bursh	02
21.	Rahurha	05

Faunal Diversity in GGSC Campus

GGSC Sanghera is located in Barnala District of Punjab. The highest temperature is recorded 440 C (Around May-June). College is located outsides from the crowded area. So climatic conditions are very suitable for wild variety, which support the biodiversity. The faunal Diversity of GGSC has been documents as below.

(Common and Scientific names of birds and animals			
Sr. No	Common Name	Scientific Name		
1.	Myna	Acriodotheres Tristic		
2.	House sparrow	Passer Domesticus		
3.	Cuckoo	Cuculidue		
4.	House Crow	Corvusplendens		
5.	Butter Fly	Danaus Genutia		
6.	Red-Vented Bulbul	Pycnonotus Cofer		
7.	Common woodpecker	Tephrodormis pondicerianus		
8.	Snake	Naja Naja		
9.	Skylark	Aludagulgula		
10.	Little Owl	Athene Broma		
11.	Squirrel	African Bush Squirrel		
12.	Yellow wasp	Ropalidia Marginala		
13.	Beetle insects	-		
14.	Garden Tiger Moth	Arctiacaja		

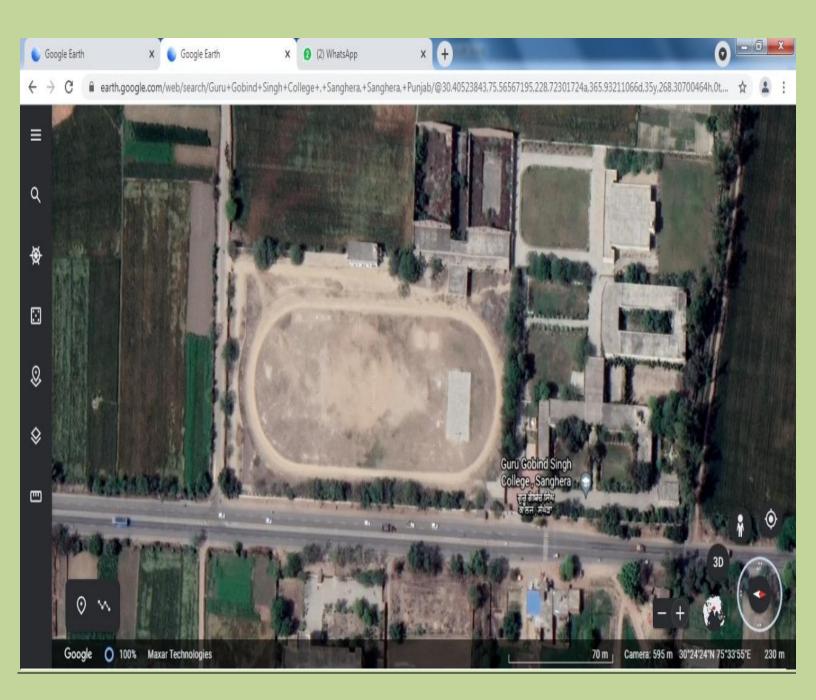
Tree Diversity of Guru Gobind singh College , Sanghera

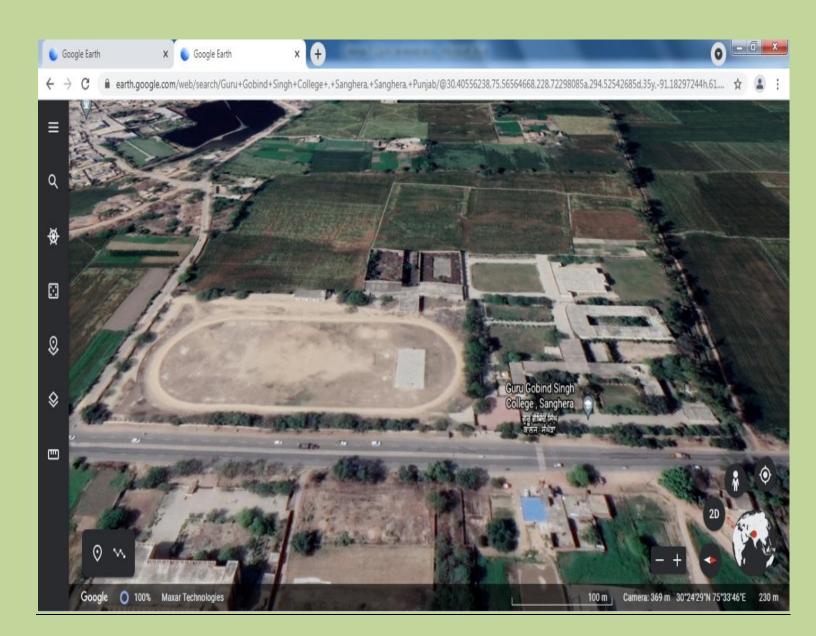
Guru Gobind Singh college, Sanghera is within the geo position between latitude 30.2424° N and Longitude 75.3355° E in District Barnala, Punjab. Its encompasses an area of about 09 acre . The area of college covered with trees and other plants. There are 5 large and one Little garden/ Lawn situated in college campus. Trees and plants not give a shelter to the bird and other living creatures, trees in the college campus not provide only shade but also improve the air quality. The temperature remains normal and there is peace of mind and body. Other benefits that make the college a green belt have proved to be a blessing.

- 1. Providing Oxygen level
- 2. Climate amelioration
- 3. Conservation of water and preserving soil
- 4. Supporting wild life
- 5. Control the ultraviolet raises from sun
- 6. Many species of birds and other living creatures depended on leaves and flowers.

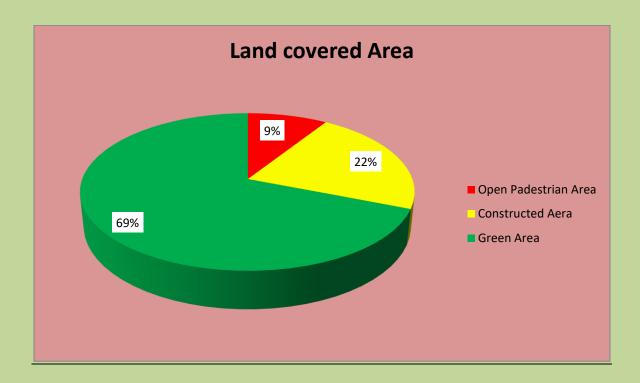
A belt of shady trees planted along the boundary of college to bringing down noise level and preventing the dust.

Map of college on Geo-Map, Geographical Location

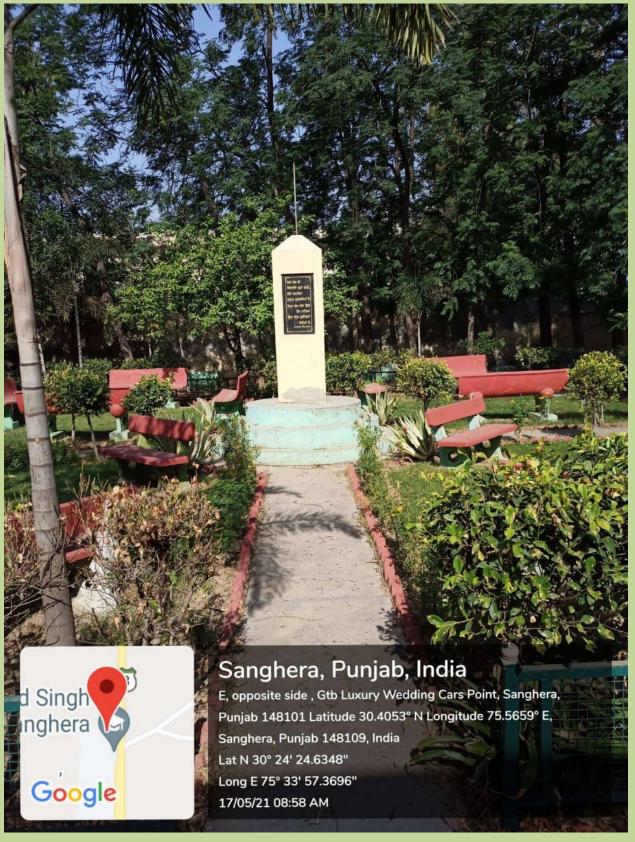




Land Covered Area Pie Chart



Images of Green Area





Sanghera, Punjab, India

K.K.

E, opposite side , Gtb Luxury Wedding Cars Point, Sanghera, Punjab 148101 Latitude 30.4053° N Longitude 75.5659° E, Sanghera, Punjab 148109, India Lat N 30° 24' 24.5736" Long E 75° 33' 57.4272" 17/05/21 08:58 AM

N.San



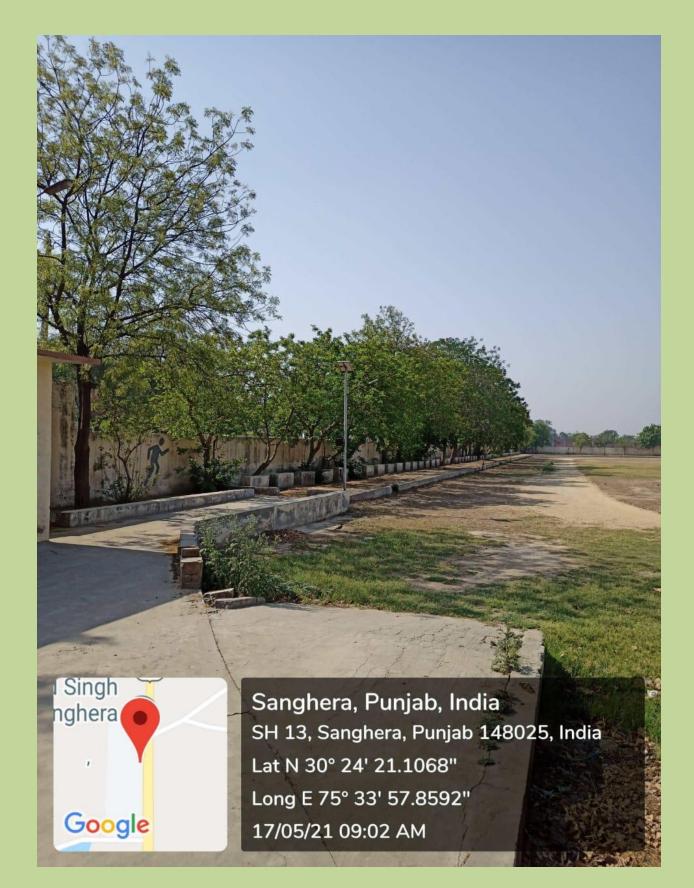
Sanghera, Punjab, India

E, opposite side , Gtb Luxury Wedding Cars Point, Sanghera, Punjab 148101 Latitude 30.4053° N Longitude 75.5659° E, Sanghera, Punjab 148109, India Lat N 30° 24' 22.4388" Long E 75° 33' 57.3372" 17/05/21 09:00 AM

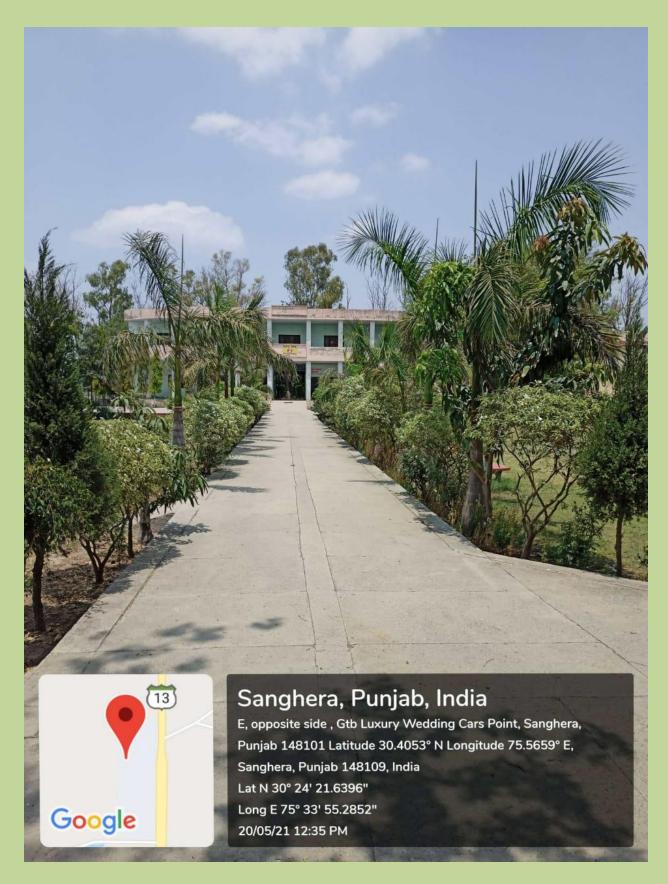


Sanghera, Punjab, India

E, opposite side , Gtb Luxury Wedding Cars Point, Sanghera, Punjab 148101 Latitude 30.4053° N Longitude 75.5659° E, Sanghera, Punjab 148109, India Lat N 30° 24' 23.904" Long E 75° 33' 57.7368" 17/05/21 08:59 AM



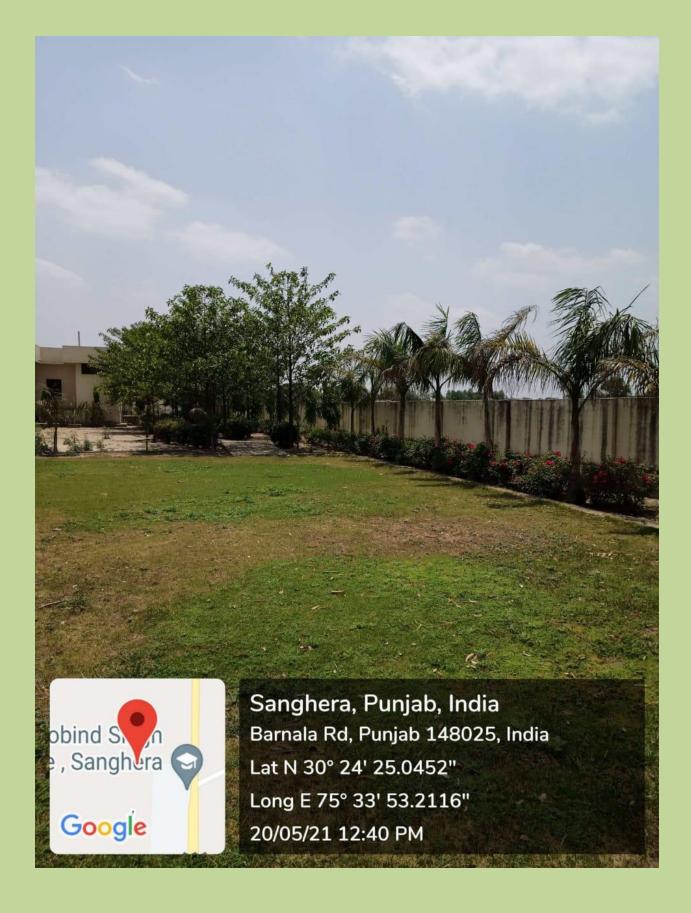








Sanghera, Punjab, India Barnala Rd, Punjab 148025, India Lat N 30° 24' 24.12" Long E 75° 33' 54.5112" 20/05/21 12:39 PM

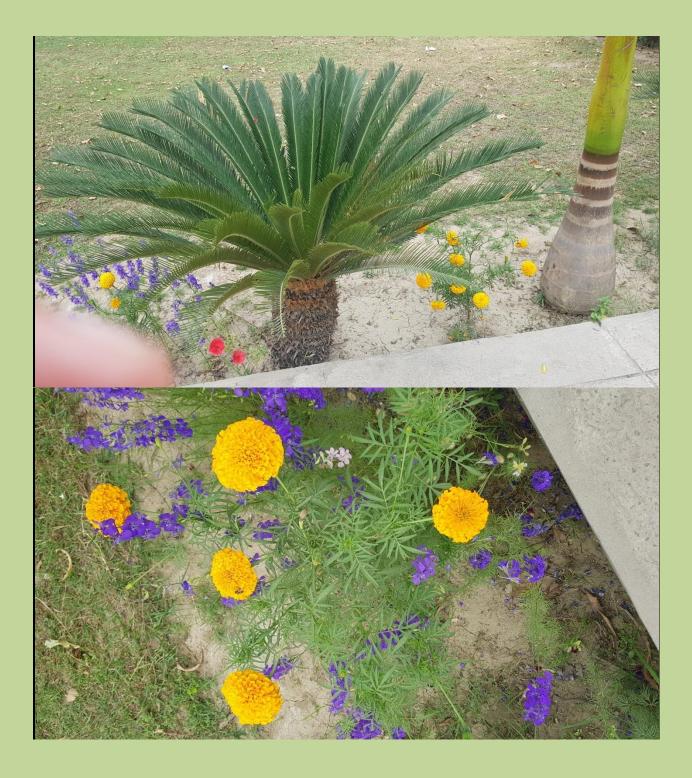


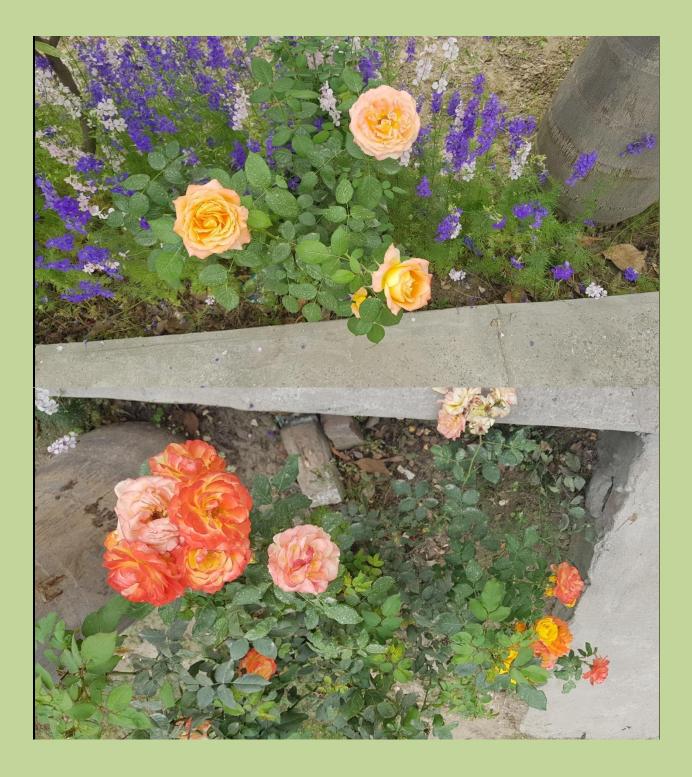




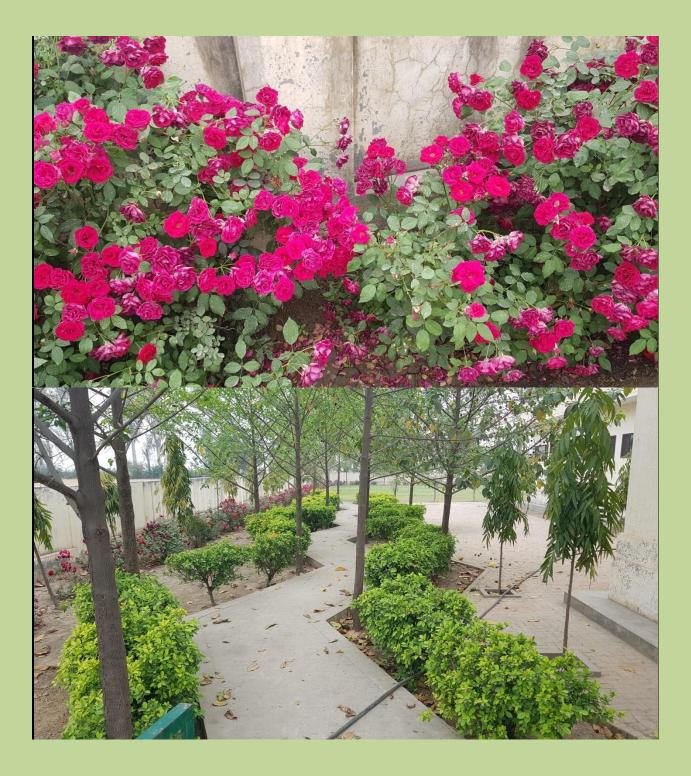


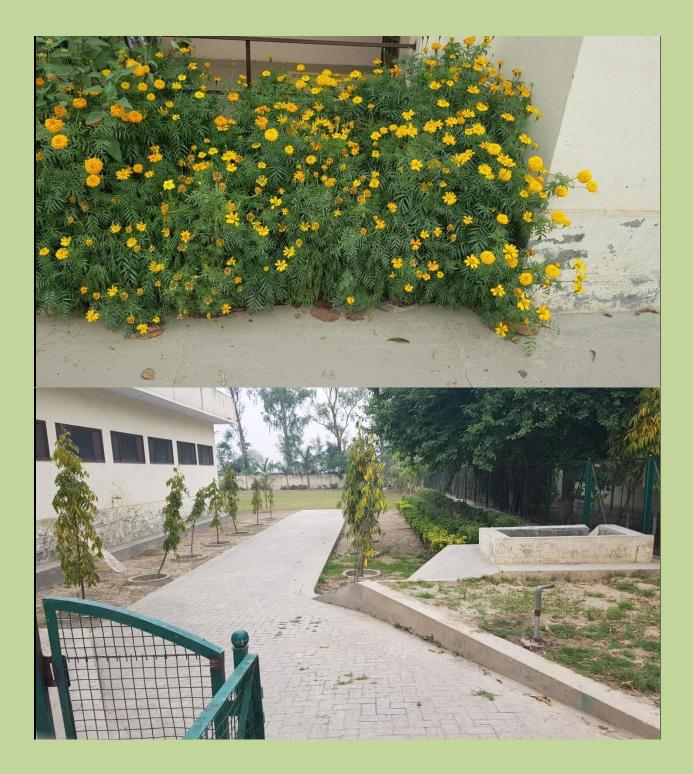














Thanks....