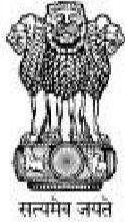


6.5.3 Any other certification received with program specifications

Certificate of Commendation under Actions for Clean & Green Chandigarh Campaign



Certificate of SES REC




Certificate



*This is to certify that **Guru Gobind Singh College for Women, Chandigarh** is now a **Recognized Social Entrepreneurship, Swachhta & Rural Engagement Cell (SES REC) Institution**. The Institution has successfully framed the SES REC Action Plan and constituted ten working groups for improving facilities in the Campus and the Community/Adopted Villages in the areas of **Sanitation & Hygiene, Waste Management, Water Management, Energy Conservation and Greenery** post COVID-19, along with the observation of three environment, entrepreneurship and community engagement related days to inculcate in faculty, students and community, the practices of **Mentoring, Social Responsibility, Swachhta and Care for Environment and Resources**.*

Date of Issue:

28/08/2020


Dr. W G Prasanna Kumar
Chairman

Mahatma Gandhi National Council of Rural Education
Department of Higher Education, Ministry of Education
Government of India

Certificate No.: MoE/SES REC/ChandiGarh/26

Environment Audit

2020-2021



**Internal Quality Assurance Cell
(IQAC)**

**Guru Gobind Singh College For Women
Sector 26, Chandigarh**

Total Area of the College: 11 acres

Built-up Area: 13353.72 sq meter (3.29 acres)

Green Area: 31161.68 sq meter (7.71 acres)

- 1. Energy Management**
- 2. Air Management**
- 3. Water Management**
- 4. Waste Management**

1. Energy Management

S.no	Questions	Answers
1.	What forms of energy are used in college?	<ul style="list-style-type: none">● LPG for cooking in hostel mess and canteen● LED for lightning● Solar lights
2.	How do you meet your energy requirements?	The college meets its energy requirement through renewable and non- renewable sources (power grid and solar energy).
3.	What is the annual Electricity bill for the college?	Rs 40,000/-
4.	Which sources of renewable energy are used in your college?	Solar Energy

5.	Is excess energy from renewable sources transferred to the grid?	No
6.	What are the eco-friendly practices adopted by the college?	<p>The college has adopted various eco-friendly practices on regular basis:</p> <ul style="list-style-type: none"> ● For saving non-renewable energy we try to replace high powered fans and bulbs with low watt fans and LEDs. Solar lights have also been installed. ● Tertiary water is used for gardening purposes to minimize the use of fresh water. ● Use of electronics instead of paper. ● To reduce carbon emissions the staff is promoted to adopt the practice of carpooling and students to use public transport as means of transportation. Along with this plants that are a good

		source of oxygen are grown.
7.	Are your computers and other equipment put on power saving mode?	Yes

2. Air Quality

1	Do classrooms have proper ventilation?	Yes, all class rooms of the college have cross-ventilation and adequate natural light.
2	Are laboratories, canteen, kitchen and washrooms equipped with exhaust fans?	Yes, exhaust fans have been installed to remove moisture, gases and airborne harmful particles.
3	Is there any system of removing chemical vapors in a Chemistry laboratory?	Yes, Fume Hood has been provided in the Chemistry Laboratory which eliminates exposure to harmful gases and chemical vapors.
4	What initiatives have been taken by the College for maintaining good air quality in the campus?	Green belts have been set up and trees that are a good source of oxygen e.g. Ashoka, Peepal, Neem etc have been planted to maintain ambient air quality.
5	What measures have been taken	<ul style="list-style-type: none"> ● The parking lot of the

	by the college to avoid vehicular pollution?	<p>college is away from the main building.</p> <ul style="list-style-type: none"> ● Staff members prefer to use car pooling. ● Most of the students use the public transport system for commuting.
6	How are the students made aware of the air quality monitoring programs?	The students are regularly guided about air quality monitoring by the staff. Students were made to download SAMEER Mobile App as well as Carbon Watch App for daily air quality monitoring.

3. WATER QUALITY

1	What are the types of water supply in the College?	<p>-Drinking water</p> <p>-Tertiary water for gardening and watering of lawns</p>
2	What are water storage methods used by the College?	<p>-Overhead water tanks</p> <p>-Underground water tanks for storing fresh and tertiary water.</p>
3	Does college have any system of water saving?	Yes, a sensor has been installed to avoid overflow of water. Caretaker of the college keeps a close watch to

		ensure there is no water leakage/wastage.
4	Is there any rain water harvesting system?	The college has initiated steps for the same.
5	Are there any signs reminding people to turn off water?	Yes, sign boards have been put up at all places of water supply.
6	How college is ensuring the quality of drinking water for the students?	Water purifiers have been installed on all drinking water coolers.

4. WASTE MANAGEMENT

1	Does the college follow a waste segregation method in the campus?	Yes, two types of waste bins i.e. green and blue have been kept at various places in the campus for dry and wet waste respectively.
2	How is the waste generated in the college managed?	Some of the waste from the green bins is used to make manure in the compost pit for gardening purposes and rest from the blue bins is taken away by the MC Chandigarh.
3	How is E-waste managed in college?	E-bin has been installed in the college for the disposal of E-waste.
5	What are the efforts	<ul style="list-style-type: none"> ● The college limits the usage of paper by

	made by the college to minimize the wastage of paper?	<p>promoting paperless work.</p> <ul style="list-style-type: none"> ● For internal informal work, one side used paper is reused for writing and printing purposes.
5	How do you spread the message of waste management in the community? Have you taken any initiatives? If yes please specify.	<p>Our college works diligently towards spreading the message of waste management in the community with the help of our volunteers who spread the message and learn about waste segregation, hygiene, cleanliness around their surroundings. For this-</p> <ul style="list-style-type: none"> ● We have adopted 5 villages Mullanpur Garibdas, Sarangpur, Parchh, Raipur Kalan and Raipur Khurd under Unnat Bharat Abhiyan. ● NSS and Rahat carry out activities in village Kishangarh.
6	Have you achieved a zero garbage target in your institute?	No, not yet achieved.

Team Members of Internal Environment Audit

Dr. Reena Parti

Reena Parti

Mrs. Lucky Malhotra

Lucky Malhotra

Mrs. Harpreet Kaur

Harpreet Kaur

Dr. Sujata Vohra

Sujata

Dr. Navjot Kaur

Navjot

External Environment Audit Evaluator

Kaur

DR. KAWALPREET KAUR.

ASSIT. PROF

Department of Botany.

Sri Guru Gobind Singh College.

Section 26, Chandigarh.

Pooja Malhotra

Dr. Pooja Malhotra

(Chief Coordinator, IQAC)

Sonia Sharma

Dr. Sonia Sharma

(Coordinator, IQAC)

Jatinder Kaur
Principal

OBSERVATIONS

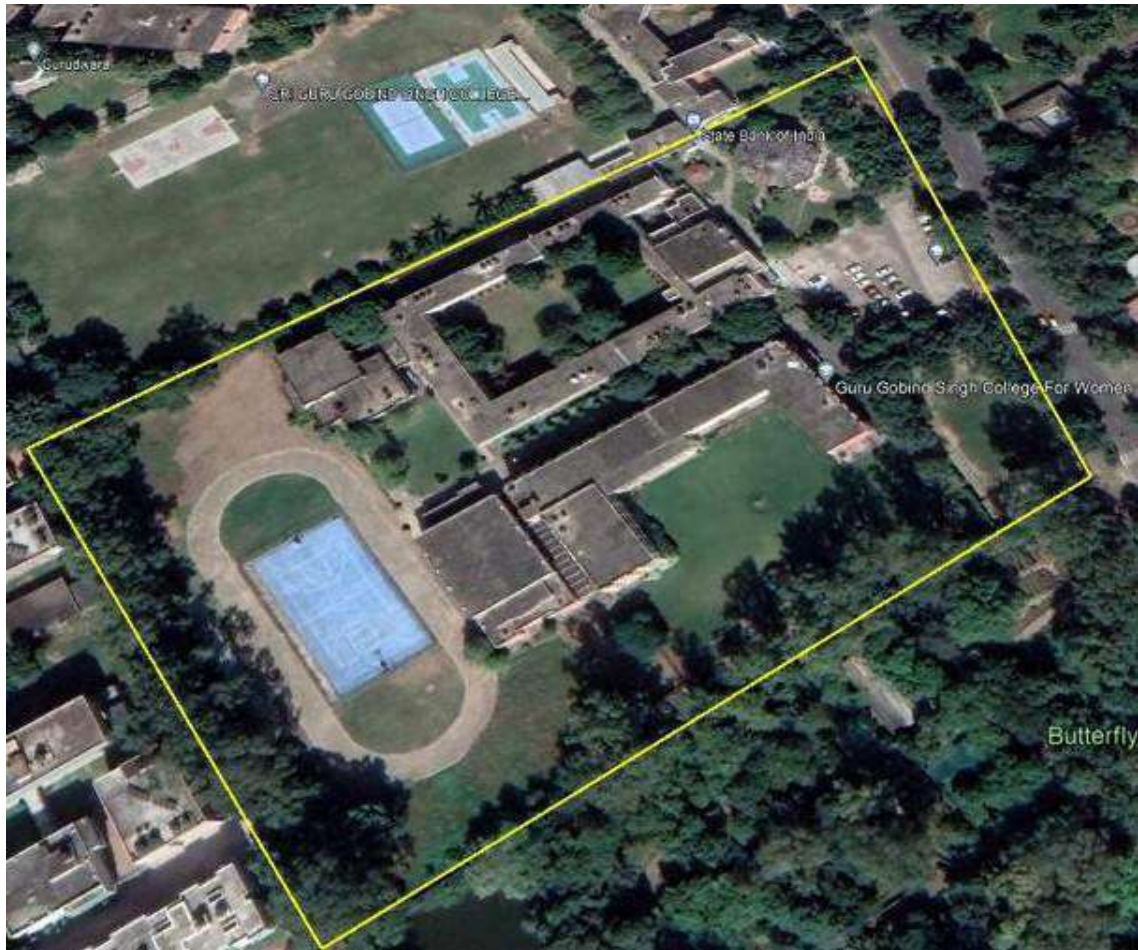
An Environment and Green audit was conducted in accordance with NAAC guidelines through systematic identification, recording, reporting and analysis of components of environmental diversity of the college. Audit criterion is ambient environmental condition of air, water, energy, biodiversity conservation and environmental legislative compliance by the campus.

RECOMMENDATIONS

- The Institution is advised to use more renewable sources of energy.
- The college has made an all-out effort to reduce the garbage waste in the institution, yet the effort should be made to achieve a zero waste target.
- College should formally collaborate with authorized agencies for the disposal of e-waste.

Annexure

Aerial View of the Campus



Aerial View of Solar Panels



LED Lights





Tertiary Water



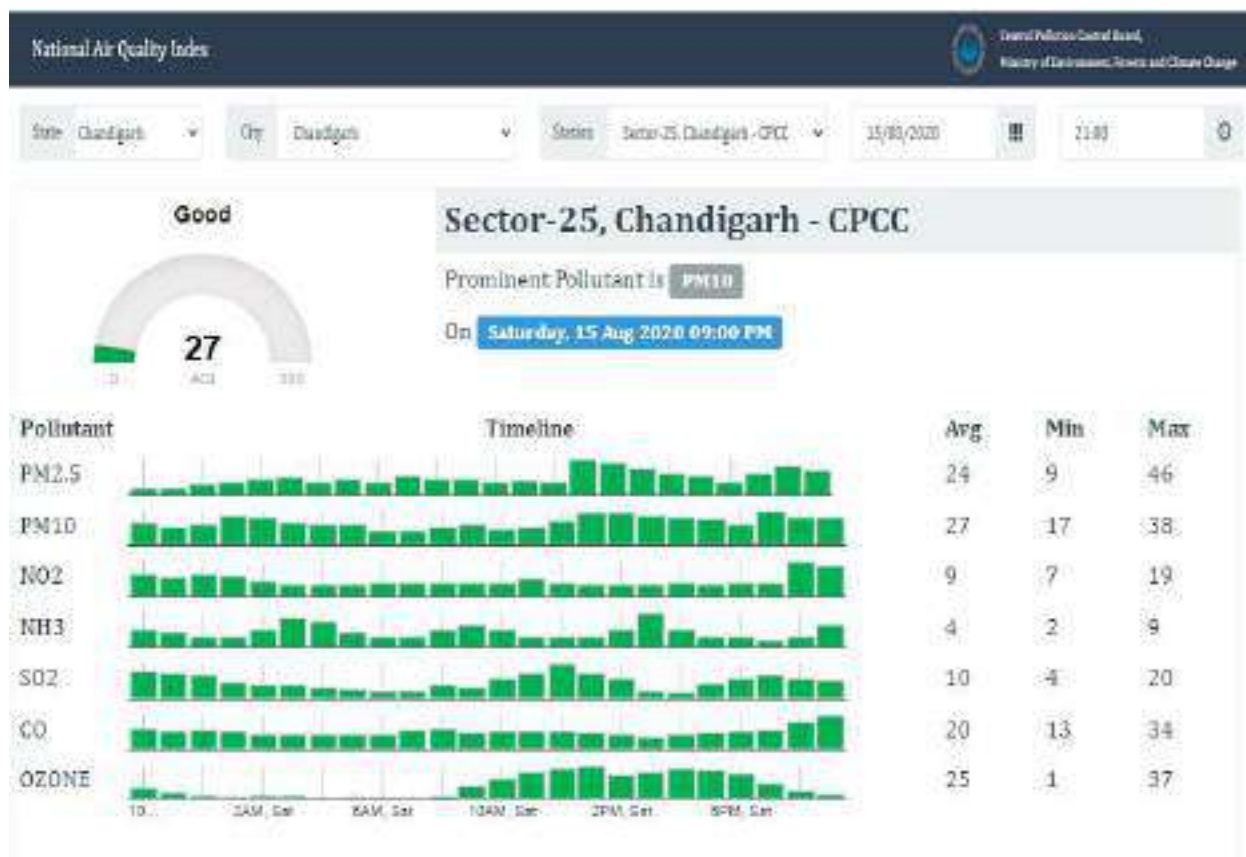
Fume Hood



Neem And Eucalyptus



AIR QUALITY INDEX DATA MEASURED AT NEAREST STATION (SECTOR-25, CHANDIGARH) OF CPCC



CENTRAL POLLUTION CONTROL BOARD'S AIR QUALITY STANDARDS

AIR QUALITY INDEX (AQI)	CATEGORY
0-50	Good
51-100	Satisfactory
101-200	Moderate
201-300	Poor
301-400	Very Poor
401-500	Severe

AQI Category	AQI	Concentration range*							
		PM ₁₀	PM _{2.5}	NO ₂	O ₃	CO	SO ₂	NH ₃	Pb
Good	0 - 50	0 - 50	0 - 30	0 - 40	0 - 50	0 - 1.0	0 - 40	0 - 200	0 - 0.5
Satisfactory	51 - 100	51 - 100	31 - 60	41 - 80	51 - 100	1.1 - 2.0	41 - 80	201 - 400	0.5 - 1.0
Moderately polluted	101 - 200	101 - 250	61 - 90	81 - 180	101 - 168	2.1 - 10	81 - 380	401 - 800	1.1 - 2.0
Poor	201 - 300	251 - 350	91 - 120	181 - 280	169 - 208	10 - 17	381 - 800	801 - 1200	2.1 - 3.0
Very poor	301 - 400	351 - 430	121 - 250	281 - 400	209 - 748*	17 - 34	801 - 1600	1200 - 1800	3.1 - 3.5
Severe	401 - 500	430+	250+	400+	748+*	34+	1600+	1800+	3.5+

* CO in mg/m³ and other pollutants in µg/m³; 2h-hourly average values for PM₁₀, PM_{2.5}, NO₂, SO₂, NH₃, and Pb, and 8-hourly values for CO and O₃.

The above data shows that air quality is **GOOD** as per parameters laid down by Central Pollution Control Board

Water Coolers and Purifiers





Green and Blue Dustbins for Waste Segregation



Details of Gmail ids created



Exhaust Fan



E-Waste Collection Bin



Green Audit

2020-2021

**Internal Quality Assurance Cell
(IQAC)**

**Guru Gobind Singh College For Women
Sector 26, Chandigarh**

Total Area of the College: 11 acres

Built-up Area: 13353.72 sq meter (3.29 acres)

Green Area: 31161.68 sq meter (7.71 acres)

1	Does the college have an Environment Society?	Yes, the college has an Environment Society named VASUDHA. It is a registered society with Reg. No. ED/ENV.SOC./12
2	What role does the Environment Society play in the college?	The society plays an active role in motivating students and ensuring their participation in various activities sponsored by the department of Environment, Chandigarh Administration. It also works hard in up-keeping the college lawns and other green areas. Due to its consistent effort the college has been adjudged as the best maintained campus in Chandigarh for more than 10 years.
3	Total number of plants	<ul style="list-style-type: none">- Trees: 190- Shrubs: 550- Total: 740

4	What are the eco-friendly practices carried out by the college?	<p>The institution has adopted certain practices on regular basis for promoting eco-friendly environment:</p> <ul style="list-style-type: none"> · Gift items such as jute bags and jute folders are given to the students during annual prize distribution. · Planters are given as a token to guests, resource persons during various functions, workshops/seminars.
4	Is the tree plantation drive organised in the college?	Yes, a tree plantation drive is organised every year. It is a regular feature carried on by Vasudha, NSS/NCC/Rahaat volunteers aiming to enhance the green cover in the campus.
5	Does the college have a herbal garden?	Yes, there is a herbal garden in the college. It has many herbal as well as medicinal plants in it like Tulsi, Ashwagandha, Aloe Vera, Stevia etc.

6	Are environment related important days celebrated in the college?	Yes, important days like World Environment Day, World Forest Day, World Earth Day, Wetlands Day, Wildlife Week, Akshay Urja Diwas, World Water Day, World Health Day are celebrated each year. The staff and the students regularly participate in the events organised on these days.
7	Is any financial assistance received from the Department of Environment for the activities?	Every year the college receives grant from the Department of Environment, Chandigarh Administration. Last year, due to lockdown the grant received was not utilized, so the leftover amount was utilised in this session in celebrating important days by organising competitions and trips.
8	What are the efforts directed towards maintenance of flora in the college?	<ul style="list-style-type: none"> · Our Institution has trees as old as the institution itself. Regular efforts are made to preserve and upkeep them. · In our herbal garden we have various herbal and medicinal plants for which we use manure made in compost pits of the college. They are used in our hostel and canteen kitchen.

Expenditure on Green initiatives during the session:

1. Gardening/ maintenance of lawns	:	Rs 25,374/-
2. Activities conducted from the grant received from Environment Department:		Rs 15,930/-
Total	:	Rs 41,304/-

TREE DIVERSITY IN THE COLLEGE

To have a Clean and Green campus, the college has a diverse variety of trees and shrubs that not only aid in improving the quality of environment in the campus but also in conservation of water, preservation of soil, control climate by moderating the effects of sun, wind, rain and keep the area cool in summers. Many species are dependent on these trees mainly for food and shelter. The individual trees vary their appearance throughout the year as the seasons change. The college has been instrumental in maintaining the flora and fauna in and around the campus.

List of Trees

S.No	Name of Tree	Number
1	Mango	42
2	Legestonia	10
3	Loquat	2
4	Chukrasia	7
5	Gauva	1
6	Sangwan	3
7	Neem	8

8	Euclyptus	35
9	Jamun	6
10	Bottle Brush	10
11	Jack Fruit	1
12	Gulmohr	1
13	Mahua	2
14	Degh	2
15	Mulberry	1
16	Amaltaas	2
17	Ashoka	33
18	Imli	1
19	Banyan	1
20	Bael	1

21	Amla	1
22	Juniper	7
23	Bottle Pam	6
24	Kajjur	1
25	Pipal	1
26	China Pam	2
27	Kinnu	1
28	Beheda	1
29	Nirgundhi	1
30	Total Trees	190
31	Shrubs	550
32	Total	740

FAUNAL DIVERSITY IN THE COLLEGE

There is natural habitation like Sukhna Lake, Butterfly Park, Nagar Van, Garden of Silence, Golf Course within the radius of 2km of the college. The greenery and temperature in and around the college campus is suitable for the habitat of a variety of flora and fauna to support its rich biodiversity. The faunal diversity of the college has been studied and documented below.

Birds and Animals visiting the Campus

S. No	Name of Bird
1.	Common Maina
2	Sparrow
3	Parrot
4	Crow
5	Bulbul
6	Eagle
7	Wood Pecker

8	Yellow Wasp
9	Honey Bee
10	Grass hoper
11	Butterfly
12	Moth
13	Squirrel
14	Snake
15	Dog
16	Cat
17	Monkey
18	Pigeon
19	Skylark
20	Owls

21	Slender Skimmer
22	Humming Bird
23	Cuckoo
24	Dove
25	Peacock

Team Members of Internal Green Audit

Dr. Reena Parti

Reena Parti

Mrs. Lucky Malhotra

Lalho

Mrs. Harpreet Kaur

Harpreet Kaur

Dr. Sujata Vohra

Sujata

Dr. Navjot Kaur

Navjot

External Green Audit Evaluator

Kaur

DR. KAWALPREET KAUR.

ASSIT. PROF. S

Department of Botany

Sri Guru Gobind Singh College

Section-26, Chandigarh.

Pooja Malhotra

Dr. Pooja Malhotra

(Chief Coordinator, IQAC)

Sonia Sharma

Dr. Sonia Sharma

(Coordinator, IQAC)

Jatinder Kaur

Principal

Annexure

College Campus



Tree Plantation Drive





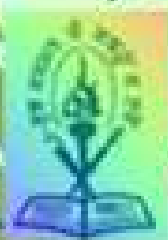
Tree Plantation by NSS Unit



Short Film Making Inter College Competition on World Environment Day

**Guru Gobind Singh College for
Women Sector-26, Chandigarh**





Guru Gobind Singh College for Women Sector-26, Chandigarh

Department of Science

And

Environment Society-VASUDHA

Organizing Inter College

Short Film Competition

to celebrate

World Environment Day

On

5th June 2020

Theme: Biodiversity

Last Date For Sending Entries: 29th May 2020

Email id: ggscw.contest@gmail.com

Date of Declaration of Result: 5th June 2020

**Cash Prizes will be
awarded to top
three winners**

1st : Rs 800

2nd : Rs 600

3rd : Rs 400

Co-ordinators:

Mrs. Lucky Malhotra

Mrs. Harpreet Kaur

Dr. Sujata Vohra

Principal:

Dr. Jatinder Kaur

Topic: Short Film on Biodiversity

Participants should **prepare** and send a video/short film exhibiting the theme



" Celebrating Biodiversity"

Rules for the Event

- The video length should be upto 3 minutes.
- The participants can send their entries at e-mail id: ggscw.contest@gmail.com.
- The film can be sent as an attachment to e-mail. Alternatively, participant can upload the prepared film on you tube and send the link through e-mail.
- Top three winners will get e-certificate of achievement and each participant will be awarded e-certificate of participation.
- Result will be displayed on social media handles of college via instagram([ggscw26_official](#)) and facebook([Guru Gobind Singh College for Women-26](#))
- Participants should mention their Name, Father's Name, Class, Name of Institution and scanned copy of college ID-card in the e-mail along with entry.

For enquires contact at 9888879269 and
9216102220

Inter College Competitions to Celebrate Wildlife Week





Rules of Competition

- Make an original poster on the given theme on paper or electronically and submit it in pdf format.
- Poster/slogan must be sent to Email id: ggscw.contest@gmail.com on or before **10th october 2020**.
- Participants should mention their Name, Father's Name, Class, Name of Institution in the body e-mail along with attached file of poster/slogan.
- Top three winners will get e-certificate of achievement and each participant will be awarded e-certificate of participation.
- Result will be displayed on social media handles of college via [instagram\(ggscw26_official\)](#) and [facebook\(Guru Gobind Singh College for Women-26\)](#)

For enquires contact
Dr. Sujata Vohra:9888879269
Dr. Navjot Kaur: 9876168143

Trip to Nagar Van on World Wetlands Day



Nukkad Natak by Students on World Forest Day



Inter College Power Point Presentation Competition on World Water Day

**DURU GOBIND SINGH COLLEGE FOR WOMEN
SECTOR 26, CHANDIGARH**



**ENVIRONMENT SOCIETY-VASUDHA
CELEBRATING
WORLD WATER DAY**

ON

22ND MARCH 2021

Event

- **POWER POINT PRESENTATION**

THEME: VALUE WATER

*Cash Prizes will be
awarded to top three
winners*

1st : Rs 1000

2nd : Rs 700

3rd : Rs 500

**Sponsored by Environment Department,
Chandigarh Administration**

Co-ordinators

Mrs. Lucky Malhotra

Mrs. Harpreet Kaur

Principal

Dr. Jatinder Kaur



Rules of the Competition

- Make an original presentation with a maximum of 10 slides on the theme "*Value Water*".
- The Presentation must be sent to Email id: ggscwcontest@gmail.com on or before **17th March 2021**.
- Participants should mention their Name, Father's Name, Class, Name of Institution in the body of the e-mail along with the attached file of the presentation.
- Result will be displayed on social media handles of the college via Instagram (ggscw26 official) and facebook(Guru Gobind Singh College for Women-26) on **22nd March 2021**.

For more information contact
Dr. Sujata Vohra: 9888879269
Dr. Navjot Kaur: 9876168143

Result of Inter College Power Point Presentation Competition



**Guru Gobind Singh College for Women, Sector 26,
Chandigarh**



**Result of Inter College PowerPoint
Presentation Competition
on**



World Water Day

Organised by Environment Society- VASUDHA

Prize	Name	Class	Name of the Institution
1 st	Preeti Rawat	M.Sc-2	Post Graduate Government College for Girls, Sector 11, Chandigarh
2 nd	Apoorva Pant	B.Sc 2(CSc)	Post Graduate Government College, Sector 11, Chandigarh
2 nd	Abhishek Kumar	B.A-2	Post Graduate Government College, Sector 46, Chandigarh
3 rd	Vanshika Sharma	BCA-3	Guru Gobind Singh College for Women Sector 26, Chandigarh
3 rd	Bhavuk Jain	MCA-1	DCSA, Panjab University, Chandigarh

Co-ordinators
Mrs. Lucky Malhotra

Sponsored by Environment Department, Chandigarh Administration

Principal
Dr. Jatinder Kaur

An Expert Talk On World Health Day



The poster is for an online expert talk on World Health Day. It features the logo of Guru Gobind Singh College for Women at the top left. The text 'Guru Gobind Singh College for Women' and 'Sector 26, Chandigarh' is displayed. Below this, it says 'Environment Society - VASUDHA celebrates'. The main title 'WORLD HEALTH DAY' is in large, bold letters, with 'APRIL 7, 2021' and 'Timings : 5:00 PM' below it. A cartoon illustration of a smiling Earth with a stethoscope is on the right. The topic of the talk is 'Personal Hygiene: Building a fairer, healthier world!' by Dr. Simmi Malhotra, Senior Medical Officer at Civil Hospital, Manimajra. A photo of Dr. Malhotra is shown. The event is sponsored by the Environment Department, Chandigarh Administration. The meeting link is provided at the bottom.

Guru Gobind Singh College for Women
Sector 26, Chandigarh

Environment Society - VASUDHA
celebrates

**WORLD
HEALTH
DAY**
APRIL 7, 2021
Timings : 5:00 PM
An Online Expert Talk on :

**"Personal Hygiene:
Building a fairer,
healthier world! "**

by
Dr. Simmi Malhotra
Senior Medical Officer
Civil Hospital, Manimajra

Sponsored by Environment Department, Chandigarh
Administration.

Meeting Link : meet.google.com/sdu-zoto-odi



Inter College Poetry Recitation Competition on World Earth Day



The poster is for an event at Guru Gobind Singh College for Women, Sector 26, Chandigarh. It is organized by the Environment Society-Vasudha. The event is an Inter College Poetry Recitation Competition on April 22, 2021, with the theme "Restore Our Earth". The competition is open to English, Hindi, and Punjabi. Cash prizes of RS 800, RS 600, and RS 500 are awarded to the top three winners. The event is sponsored by the Environment Department, Chandigarh Administration. The co-ordinators are Mrs. Lucky Malhotra and Mrs. Harpreet Kaur, and the principal is Dr. Jatinder Kaur. The poster features a green background with a blue and green diagonal stripe on the right side, and a small globe at the bottom right.

 **GURU GOBIND SINGH COLLEGE FOR WOMEN**
SECTOR 26, CHANDIGARH

ENVIRONMENT SOCIETY-VASUDHA
celebrates

EARTH DAY
on
APRIL 22, 2021

EVENT **INTER COLLEGE
POETRY RECITATION
COMPETITION**

Theme : "Restore Our Earth"
Languages : English, Hindi, Punjabi

Cash Prizes will be awarded to top three winners

 **1ST PRIZE : RS 800**
2ND PRIZE : RS 600
3RD PRIZE : RS 500

Sponsored by Environment Department
Chandigarh Administration

Co-ordinators
Mrs. Lucky Malhotra
Mrs. Harpreet Kaur

Principal
Dr. Jatinder Kaur



Rules of the Competition

- Make a video on the theme **"Restore Our Earth"**.
- The recitation should be within the time limit of **3 minutes**.
- The participants must introduce themselves before reciting the poem.
- The video must be sent to Email id: ggscw.contest@gmail.com on or before 25th April, 2021.
- Participants should mention their Name, Father's Name, Class, Name of Institution in the body of the e-mail along with the attached file.
- Result will be displayed on social media handles of the college via instagram (ggscw26_official) and facebook (Guru Gobind Singh College for Women-26) on 27th April 2021.

For more information contact

Dr. Sujata Vohra: 9888879269

Herbal Garden of the College





Presenting Plant Saplings to Guests

