



# GREEN AUDIT REPORT

2020 – 2021

## ABSTRACT

This Audit report is an outcome of all the measures taken and action plan drawn pertaining to green initiative by eco restoration and green audit committee at Km. Mayawati Government Girls College, Badalpur, Gautam Budh Nagar, UP, India.

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## About the College

The college was established in 1997 and since then has played an important role in the promotion of higher education among girls of Badalpur and adjoining areas. The College started as an Arts Graduate College in 1997 and today it is a Post Graduate College with Post Graduation in nine subjects in Humanities, besides Science and Commerce at Graduate level since 2008.

Km. Mayawati Government Girls P.G. College is a Girls College offering under graduate and post graduate courses in faculties of humanities, science, commerce and education run by State Government of U.P. NAAC grade B++ is highest in Government College of U.P. College is also ISO 9001-2015 certified

### Area of College





## Green Audit Report

Our institute's students, faculty and support staff is working to foster a culture of self-sustainability and making the entire campus environmental friendly. The Green Campus initiatives started with nature club several years back followed by Green Audit in the year 2017-18. These initiatives enabling our institution to develop its campuses as a living laboratory for innovation.

The concept of "going green" has become a trend recently. With climate change and other environmental issues in many of today's headlines, it has become fashionable -- even profitable -- to use

the term. But many lack a full appreciation of and awareness for what it really means to go green. “Sustainability involves becoming aware of the impact of all the little decisions that we make. Thus” We go on to explain that often tells students that sustainability is about being mindful of day-to-day activities and how they impact the environment as well as those who come after us. Recycling paper and plastics, along with trying to reduce your usage of electricity and fossil fuels are a start, but there are many other steps -- big and small -- individuals can take to protect and preserve the planet.

Here, at our institute, Green Audit is defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The ‘Green Audit’ aims to analyze environmental practices within and outside the college campus, which will have an impact on the eco-friendly ambience. Our emphasize is on ‘Green Campus’ including Water Conservation, Tree Plantation, Waste Management, Paperless Work, Alternative Energy and Mapping of Biodiversity.

The purpose of the audit was to ensure that the practices followed in the campus are in accordance with the Green Policy adopted by the institution. The methodology include: forming a Committee for green audit, physical inspection of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations.

## Objectives of the Study

Objectives of this study are carried out as directed in previous reports which are helping to promote the Environment Management and Conservation in the College Campus. The purpose of the audit 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 Audit are:

- To make sure that the environment is not harmed due to increasing development.
- To make sure that all the resources are utilized properly.
- To assess the strength and weakness of the existing system.
- To introduce and aware students to real concerns of environment and its sustainability
- To secure the environment and cut down the threats posed to human health by analyzing the pattern and extent of resource use on the campus.
- To establish a baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requires high cost.
- To bring out a status report on environmental compliance.

## Biodiversity of College

Biodiversity plays an important role in maintaining healthy ecosystems and the continuation of all forms of life on the planet. The richer the diversity of life, the greater opportunities for medical discoveries, adaptive responses to challenges such as climate change and bountiful habitats.



The College has a diverse tree collection and the wooded slopes of campus, provide excellent forest habitat. Native plant species support local insect and bird populations, and recent landscaping efforts on campus, have emphasized the use of native shrubs and perennials as described in the Campus Master Plan. A buffer of native grasses and wildflowers is being established between the garden and neighboring agricultural field.

S.N	COMMON NAME	SCIENTIFIC NAME
1.	Snake	Snake
2.	Peacock	Peacock
3.	Sparrows	Sparrows
4.	Crows	Crows
5.	Mayna	Mayna
6.	Squirrels	Squirrels
7.	Amphibians	Snake

## Flora of College

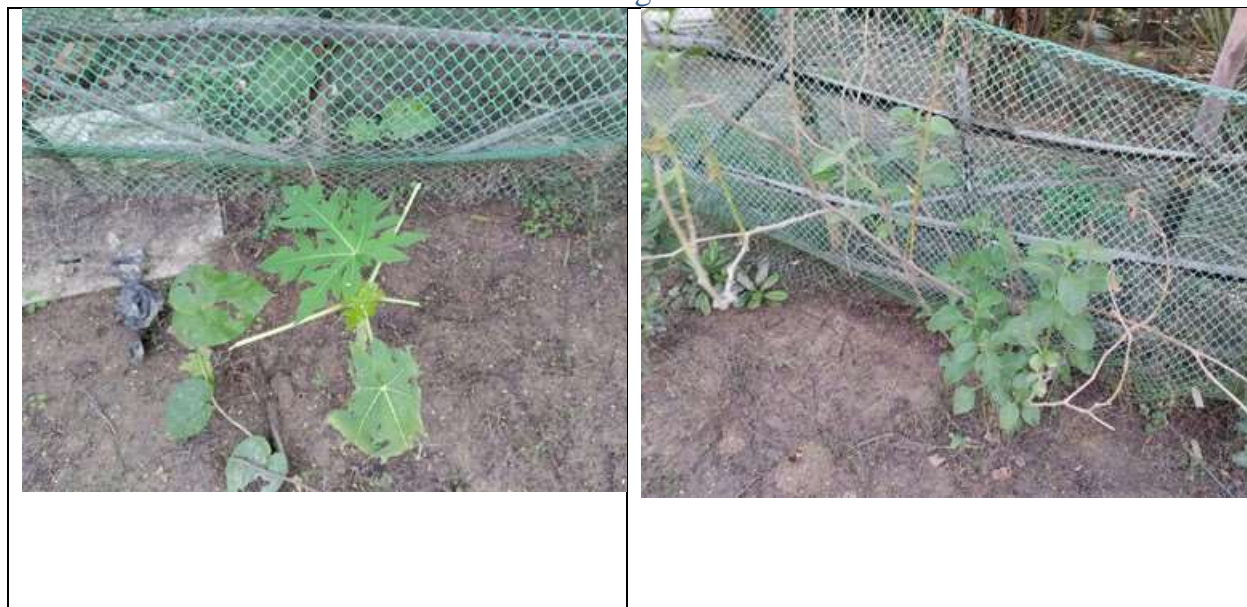
Flora is all the plant life present in a particular region or time, generally the naturally occurring native plants. The corresponding term for animal life is fauna. Flora, fauna, and other forms of life, such as fungi, are collectively referred to as biota.

1	Roystonea regia	Bottle palm	Arecaceae	Ornamental, source of oil, construction	22
2	Dalbergia sissoo	Shisham	Fabaceae	Timber, construction	15
3	Delonix regia	Gulmohar	Fabaceae	Ornamental,	25
4	Neolamarckia kadamba	Kadamb	Rubiaceae	Ornamental, timber	19
5	Thevetia peruviana	Pili kaner	Apocynaceae	Ornamental, biological pest control	5
6	Alstonia scholaris	Saptaparni	Apocynaceae	Ornamental, pencil,	15
7	Ficus benzamina	Weeping fig	Moraceae	Hedge, patio	180
8	Azadirchta indica	Neem	Meliaceae	Insecticide, medicinal uses	15
9	Morus alba	Shahtoot	Moraceae	Edible fruits, silk industry	1
10	Cordia myxa	Lasodha	Boraginaceae	Edible fruits, Wood,	1
11	Ficus religiosa	Pipal	Moraceae	Religious use, traditional medicine	4

12	<i>Saraca ashoka</i>	Ashok	Fabaceae	Ornamental, Diuretic	38
13	<i>Psidium guazava</i>	Amrood	Myrtaceae	Edible fruits,	32
14	<i>Calliandra hematocephala</i>	Powder puff	Fabaceae	Ornamental,	11
15	<i>Trachycarpus</i>	Fan palm	Arecaceae	Rope, broom, brushes	58
16	<i>Emblica officinalis</i>	Aonla	Phyllanthaceae	Medicinal values	2
17	<i>Wodeytia bifurcata</i>	Foxtail palm	Arecaceae	Ornamental	20
18	<i>Mangifera indica</i>	Aam	Anacardeaceae	Edible fruits, timber	2
19	<i>Grevillea robusta</i>	Australian silver oak	Proteaceae	Timber, Fences	10
20	<i>Ficus racemosa</i>	Gular	Moraceae	Medicinal values	1
21	<i>Holeoptelea integrifolia</i>	Papdi	Combretaceae	Ornamental, Medicinal value	1
22	<i>Bambusa vulgaris</i>	Baans	Poaceae	Ornamental, Culinary	21
23	<i>Eucalyptus obliqua</i>	Gum tree	Myrtaceae	Pulp wood, medicinal	3
24	<i>Plumeria rubra</i>	Champa	Apocynaceae	Ornamental	65

## Best Practices

### Herbal garden





### Indoor Plants





## Rain Water Harvesting



## Measures Taken in the year 2020-2021

With the aim to educate the young minds and contribute towards sustainable development the college's Eco restoration and Green Audit committee conducted various following activities throughout the year in association with other committees and departments of the college:

- Ground Water Week was organized in third week of July (16 – 22 July 2019) in association with the Geography department of the college.
- Plantation Drive, whereas 600 sapling were planted in and around college on 9<sup>th</sup> August by NSS, NCC units of the college.



- Under the aegis of *Swachta Samiti* of the college *Jal Shakti Abhiyaan* was organized from 1st to 16th September to emphasize the importance of water and to store water for future generations.
- To save water two recharge pits have been made in the college near the hand pumps.
- Cleanliness drive was carried out with help of Greater Noida Authority to cut the bushes and grass in college campus.





- Energy Conservation – Use of Solar lights is in plan and progress
- Herbal Garden is built to propagate the usage and knowledge about the medication plants among students and staff.
- A vermi compost unit was built to recycle the biodegradable waste of the college campus.



- Go paperless – Multiple efforts have been taken and few others are in progress such as -
  - Online process for admission to reduce the paper usages in overall admission steps.
  - Biometric attendance for students and college staff.
  - Mobile Applications usage for alerts and notification distribution.
  - Introduced I-pad to classroom study at M.Sc Zoology.
  - Assignments, projects and practical records and also internal exam on digital exam copy is in usage in the zoology department of the college.
  - Promotion of digital library and e books.
- Rainwater harvesting units repair and cleaning was done to make it intact for water conservation.
- Lectures on environmental issues are being held regularly in college.

### Future strategies to be adopted:

- To make Wifi Campus
- To promote digital automation and paperless working
- To Install Solar Energy
- To encourage carpool to work, or events with others instead of taking your own car.