

GREEN CAMPUS MANAGEMENT
IN BASANTI DEVI COLLEGE

BASANTI DEVI COLLEGE



Name-Monami Basak

University Roll Number-212041-11-0047

University Registration Number-041-1211-0069-21

Subject-Environmental Studies (AECC 2)

Department-English Honors (ENGA)

Date of Submission – 10.04.2022

ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to our Principal Ma'am Indrila Guha of Basanti Devi College for allowing me to conduct the project and providing me with all the facility that was required for the completion of the project.

I also feel thankful and express my gratitude towards our head of the department Dr. Udita Mukherjee for her able guidance and support which she has always provided me with for the completion and submission of the project on the topic Green Campus Management in Basanti Devi College, which gave me a golden opportunity in doing a lot of research from which I came to know about lots of new things.

I would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.

DECLARATION

I, Monami Basak, a student of semester II of Basanti Devi College hereby declare that the project work entitled “Green Campus Management in Basanti Devi College” submitted to the Calcutta University, is a record of an original work done by me during the year 2021-22.

I also declare that this project is the outcome of my own effort, that it has not been previously submitted to any other university.

Monami Basak
10.04.2022

CONTENT

Serial Number	Topic	Page Number
1	Abstract	1
2	Introduction	2
3	Objective of the Study	3
4	Green Campus Area in Basanti Devi College	4-9
5	Evaluation, Limitation and Conclusion	10
6	Glossary	11
7	Reference	12

ABSTRACT

This project is an attempt to understand the concept of 'Green Campus Management' in a detailed way. The idea of green campus' has been well defined in the introduction. The succeeding pages gives an insight into the Green Campus Management in Basanti Devi College Campus. Pictures of flowering plants, medicinal herbs and trees are provided with detailed source and correct scientific names for better understanding. A survey was also made within the college staffs regarding the maintenance of the green space. References of recent NSS camp that was organized during the academic session 2021 has also been provided to show the mass participation of students in maintaining the campus green and clean. To conclude the project, certain limitations have also been listed which was felt necessary for the project to be conducted smoothly.

INTRODUCTION

Green campus management can be defined as a program that integrates environmental management and protection into tertiary institutions. It is a combination of the environment and the campus world in its management. The word 'Green Campus' denotes a place where environment friendly practices and education is combined to promote sustainable and eco-friendly practices in the campus. This program enables schools and colleges to conserve natural resources like biodiversity and water, optimize energy efficiency, manage waste (e-waste as well) and educate about climate change and sustainability while addressing well-being of the students as compared to conventional educational institutes.

Basanti Devi College is situated in the heart of the Kolkata city. The campus is surrounded by the tall buildings with busy neighborhood on three sides with the bustling Gariahat in the front. The 'Green Campus Initiative' is an important step taken by the college officials towards the preservation of the environment. The college has a prominent garden space which acts as patch of liveliness in the campus. Various species of plants and trees are present within the garden space which adds more beauty and freshness to the campus. The college campus is maintained as a plastic free zone. Dustbins are provided in almost every corner of the college to ensure minimum litter disposal.



Solar panels have also been installed to ensure sustainable energy usage. The 'Green Campus' is maintained by IQAC and NSS.

[Source- College Prospectus
2021-Basanti Devi College]

OBJECTIVE OF THE PROJECT

- To protect and conserve ecological systems and resources within the campus.
- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities.
- To work with all stakeholders and the local community to raise awareness and seek the adoption of environmental good practice and the reduction of any adverse effects on the environment.
- To continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources.
- To continuously improve the efficient use of all resources, including energy and water, and to reduce consumption and the amount of waste produced, recovering and recycling waste where possible.
- To make the campus plastic free.
- To protect and conserve ecological systems and resources within the campus.
- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- To integrate environmental concerns into policies, plans and programmes for social development and outreach activities.

Green Campus Area in Basanti Devi College



[Source- College Prospectus
2021-Basanti Devi College]



[Source- Basanti Devi
College Campus]

The college campus has a garden space right at the heart of the campus. It is funded by the Rotary Club of Calcutta (3291). The college is maintained as a plastic free zone.



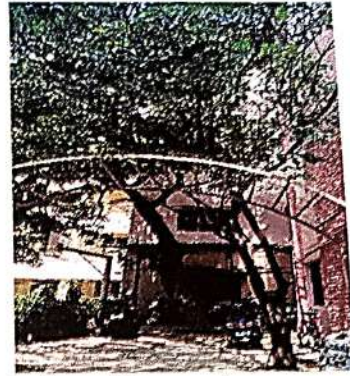
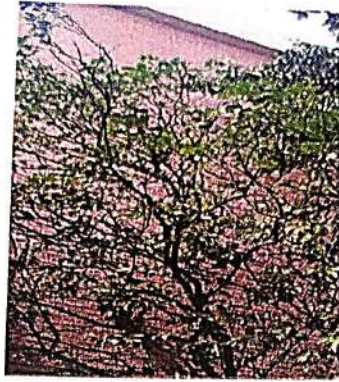
[Source- Basanti Devi College
Campus]

Approximately there are more than 20 different species of plants and trees are there in the garden space.



[Source- Basanti Devi College
Campus]

TREES IN THE CAMPUS



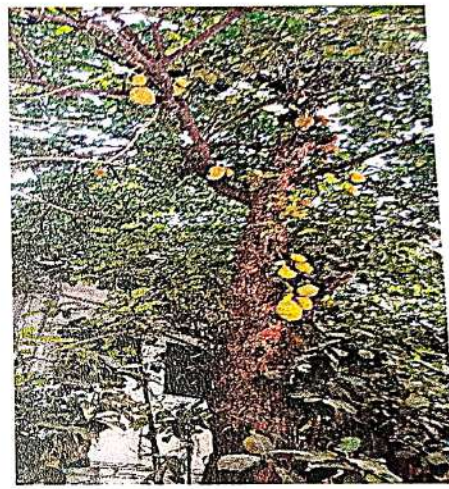
[Source- Basanti Devi College Campus]

▲ **Pomelo** (*Citrus maxima*)



[Source- Basanti Devi College Campus]

▲ **Coconut** (*Cocos nucifera*)



[Source- Basanti Devi College Campus]

▲ **Jackfruit** (*Artocarpus heterophyllus*)



[Source- Basanti Devi College Campus]

▲ **Mango** (*Mangifera indica*)





[Source- Basanti Devi College Campus]

▲ Dhobi Tree (*Mussaenda frondosa*)



PLANTS IN THE CAMPUS



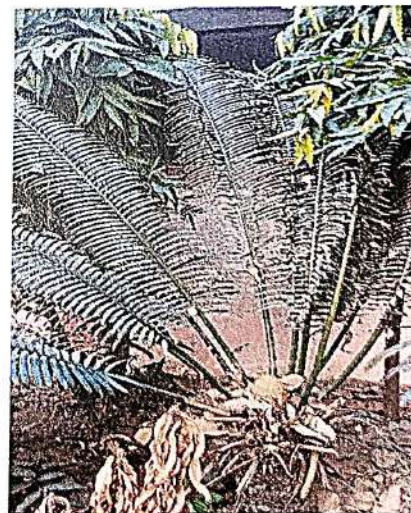
[Source- Basanti Devi College Campus]

◀ False Ashok (*Monoonlongifolium*)



[Source- Basanti Devi College Campus]

▲ Gondhoraj Lemon (*Citrus hystrix*)



[Source- Basanti Devi College Campus]

▲ Gum Palm (*Dioon spinulosum*)



[Source- Basanti Devi College Campus]

▲ **Ravenala** (*Ravenala madagascariensis*)



[Source- Basanti Devi College Campus]

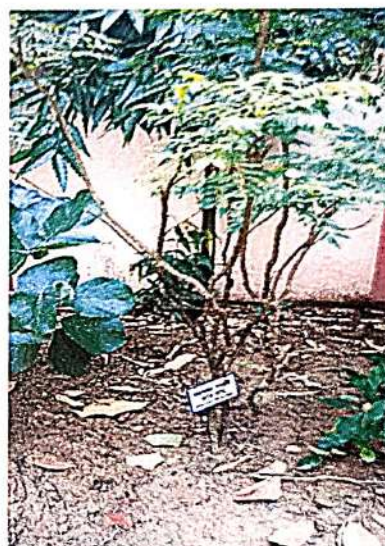
▲ **Banana** (*Musa acuminata*)

MEDICINAL PLANTS IN THE CAMPUS



[Source- Basanti Devi College Campus]

▲ **Aloe Vera** (*Aloe barbadensis miller*)



[Source- Basanti Devi College Campus]

▲ **Curry Tree** (*Murraya koenigii*)



[Source- Basanti Devi College Campus]

◀ **Neem Tree** (*Azadirachta indica*)

FLOWERING PLANTS IN THE CAMPUS



[Source- Basanti Devi College Campus]

▲ **Surfinia** (*Petunia surfinia*)



[Source- Basanti Devi College]

▲ **Jungle Geranium** (*Ixora coccinea*)



[Source- Basanti Devi College Campus]

▲ **Snowy Orchid Tree** (*Bauhinia acuminata*)

MAINTENANCE

The garden is maintained by IQAC and NSS. Recently an NSS camp was organized in the academic year 2021 where volunteers from all departments were cordially invited to join the camp and be a part of the clean drive. The camp lasted for one week in the month of April where volunteers ensured cleanliness in every corner of the campus.



[Source- College Prospectus 2021-Basanti Devi College]

In addition, the college also has a caretaker, Viswanath Pradhan who also takes efficient care of the plants. The trees are provided with adequate number of insecticides (such as thaidon, rishav1, etc.), chemical fertilizers (such as DAP, potash, phosphate, nitrates) and organic fertilizers (such as cow dung) to ensure healthy growth of the trees.



[Source- Basanti Devi College Campus]

LIMITATION

- Time Limit- as the project was supposed to be completed with a stipulated time period so the time for research was not abundant.
- Lack of Mass Participation of Students- if there would have been mass participation of students handling different aspects of green campus, it would have been easier to conduct a thorough research.

EVALUATION

As a part of the project, I have learned how green campus management has an enormous scope for maintaining the sustainability in the campus. The usage of non-conventional solar power proves to be a great alternative for conventional electric power. It helps to improve the quality of work place in the campus as it provides a cleaner, safer and healthier place to work. Various plant species that are present in the campus proves a boon for the student as the students get a opportunity to see and identify them and get to know their valuable properties.

CONCLUSION

The project had been informative and affirmative. It has helped to understand the importance of green space within an institution. The overall experience that had been undertaken in the process of the required research work was a wonderful one. The future scope of the 'Green Campus Management' within the institution is enormous. The space for green campus can be expanded more in the future.

GLOSSARY

- ❖ Biodiversity- the variety of life in the world or in a particular place or ecosystem
- ❖ E-waste- an abbreviation for electronic and electrical waste; discarded electronic appliances such as computer, freezers, etc.
- ❖ IQAC- an abbreviation for Internal Quality Assurance Cell; this cell is meant for planning, guiding and monitoring Quality Assurance (QA) and Quality Enhancement (QE) activities in college
- ❖ NSS- an abbreviation for National Service Scheme; It is an extension of activities to the higher education system to orient the students to community service while they are studying in education institution, under the policies of Ministry of Youth Affairs and Sports, Government of India
- ❖ Sustainability- the ability to be maintained at a certain rate or level; meeting our own needs without comprising the ability of future generations to meet their own needs
- ❖ Tertiary institution- refers to universities (government or privately funded), trade schools (according to the definition of the World Bank)

REFERENCE

- [http://www.basanticollege.edu.in/Admission/2021/UG/20210802 Basanti Devi College Prospectus 2021.pdf](http://www.basanticollege.edu.in/Admission/2021/UG/20210802%20Basanti%20Devi%20College%20Prospectus%202021.pdf)
- <http://www.mptechedu.org/files/greencampusinitiatives.pdf>
- http://www.neiwpsc.org/neiwpsc_docs/greenbk.pdf
- <http://www.greencampusireland.org/wp-content/uploads/2018/11/Green-Campus-Guidebook-2018-2019.pdf>
- <https://www.climatereality.org.in/green-campus.html>
- <https://m.timesofindia.com/city/kolkata/states-first-green-campus-in-the-offing/articleshow/7050243.cms>

Udit Mukherjee
30/6/2022