



GREEN AUDIT REPORT

2020-2021

SUKANTA MAHAVIDYALAYA
Dhupguri, Jalpaiguri

Prepared by

SUKANTA MAHAVIDYALAYA
Sukanta Nagar, Dhupguri, Jalpaiguri 735210, West Bengal, India



Audit Team Members

Internal Auditor Members

Dr. Palas Samanta, Assistant Professor, Environmental Science, Convener

Mrs. Carol Cristine Lepcha, Assistant Professor, Geography, Member

Dr. Tridib Mondal, Assistant Professor, Chemistry, Member

Dr. Apurba Barman, Assistant Professor, Chemistry, Member

Mr. Sougata Karjee, Assistant Professor, Mathematics, Member

Principal

Dr. Nilangshu Sekhar Das

IQAC coordinator

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Teachers' Council Secretary

Mr. Ranjan Kumar Das



1. GENERAL INFORMATION

1.1 Year of Establishment of college:

SUKANTA MAHAVIDYALAYA, established on 25th September in 1981, is the general degree college in Dhupguri of Jalpaiguri district.

1.2 Brief History of the college:

SUKANTA MAHAVIDYALAYA, named after the eminent Bengali poet Sri Sukanta Bhattacharya (1926-1947), was established on 25th September, 1981 at Sukanta Nagar, P.O. – Dhupguri, Dist. – Jalpaiguri, West Bengal. It is a Government-aided Degree College, permanently affiliated to the University of North Bengal and enlisted under Section 2(F) and 12 (B) of the U.G.C. Act, 1956. It is situated at the Dhupguri – Falakata Road and reachable from the district town Jalpaiguri in one hour journey by bus or train. The college is situated in an area known as Dooars which is the tea belt of North Bengal other than Darjeeling.

SUKANTA MAHAVIDYALAYA, Dhupguri offers various facilities to its students including Canteen, Computer Lab, Fest, Library, Medical Facilities and more; subjected included as Chemistry, Physics, Mathematics, Computer Science, Botany, Zoology, Bengali, Environmental Science, English, Sanskrit, History, Geography, Political Science, Education, Philosophy, Economics, Physical Education and Self-financing course (BBA).

1.3 Total campus area:

❖ 292363 sq. ft.

1.4 Total built up area:

❖ 34660 sq. ft.

1.5 Total open space area:

❖ 257703 sq. ft.

1.6 Total green area:

❖ 228704 sq. ft.

1.7 Whether the college is implementing the Green Policy for the first time: "(mention date/month/year)

❖ Yes, (17/09/2020)

1.8 Whether green audit is followed annually, if so, please produce the year-wise recommendations of the auditor along with report (as Annexure):



- ❖ It is started from 2020-21 session. It will be continued after that.

1.9 Whether college has constituted the “College Environmental Committee”

- ❖ Yes.

1.9.1 Name of the Committee members

Dr. Palas Samanta, Assistant Professor, Environmental Science, Convener
 Mrs. Carol Cristine Lepcha, Assistant Professor, Geography, Member
 Dr. Tridib Mondal, Assistant Professor, Chemistry, Member
 Dr. Apurba Barman, Assistant Professor, Chemistry, Member
 Mr. Sougata Karjee, Assistant Professor, Mathematics, Member

1.10 Whether college has conducted any awareness/responsibility programme among the staff members:

- ❖ NA.

1.11 Whether all the departments/teachers/non-teaching members/students are aware about the need of the environmental protection and audit:

- ❖ Yes, all stakeholders are concerned about it.

1.12 Whether college has involved the students as volunteers in greening programmes:

- ❖ Yes, College has three NSS wings, who take care of plantation.

1.13 Whether construction/demolition/repairing are in compliances with green standard

- ❖ Yes, College strictly followed green standard.

1.14 Whether college has conducted any workshop/seminar/lecture on environmental awareness programme inside and/or outside the campus

- ❖ Yes, NSS, NCC and physical education department conducted several programmes about it.

1.15 Whether the institute has department of Law/Environmental Science/3-Year degree Course/Course curriculum

- ❖ Yes, College has Environmental Science department. It is mandatory for all SEM 1 students.

1.16 Whether college provides any community services, if so, give details (as Annexure):

- ❖ Yes, our NSS team are performing the community services.



Name of the activity	Year of the activity	Number of students
CELEBRATION OF INDEPENDENCE DAY & DISTRIBUTION OF MASK and Sanitizer to college NCC Cadet & NSS Volunteers	2020	40
CLOTHES DISTRIBUTION ON YOUTH DAY	2021	10
SPECIAL CAMP	2021	150
SENITIZATION, WARD NO 09	2021	5
SENITIZATION AT DHUPGURI KHALAIGRAM	2021	5
SENITIZATION DRIVE DHUPGURI WARD NO- 01	2021	4
SENITIZATION AT DHUPGURI KADAMTALA	2021	5
SENITIZATION AT DHUPGURI DANGDHARI BAZAR	2021	5

1.17 Whether the students are aware about the use of medicinal plants (any lecture/seminar/conference organized on it):

- ❖ Yes, students are aware the medicinal plant, different type of awareness has been done such as lecture, field visiting and seminar.

1.18 Comments on the following:

1.18.1 Plantation program:

- ❖ Yes, regularly follows the plantation programme.

1.18.2 Formation of Natural club/Eco club:

- ❖ NA

1.18.3 Management of natural resources, wildlife, conservation of species:

- ❖ Yes, we are conserved of species as like medicinal, economical important species.

1.18.4 Any project sponsored by national funding agency/NGO, independent project related to environmental issues:

- ❖ NA

1.18.5 Is there any incidence of burning of plastics containing garbage within the campus for necessary reduction:

- ❖ NA

1.18.6 Celebration of 5th June, Ozone day, Earth Day etc. :



- ❖ Every year college celebrates World Environment Day, World Water Day and Ozone Day in the campus. The main focus of these programmes was to provide awareness to the students about the importance of the environment, its conservation and sustainable use of environmental resources. The programmes are conducted through seminars, poster presentation, quiz competition debates etc.

1.18.7 Number of field visits/survey records:

- ❖ Due to COVID-19 pandemic, no field visits are conducted.

1.18.8 Campus biodiversity register

- ❖ Yes, our college campus follows biodiversity registration.

1.19 General aspects (express in statements)

1.19.1 Campus cleanliness

- ❖ We regularly followed the campus cleaning, waste is collected, namely, biodegradable as paper, non-biodegradable as plastic. Dust bin is a vital to waste management, we followed several dust bins like as biodegradable waste, non-biodegradable waste, liquid waste, etc., which are placed for management as proper way.

1.19.2 Rainwater harvesting

- ❖ NA.

1.19.3 Solar street lamps

- ❖ Our college has alternative power sources, which is solar power for light purposes. As a vision for the future, we will build renewable energy campuses through solar power centers.

1.19.4 Carbon dioxide neutrality on the campus by developing greenery

- ❖ Yes.
- ❖ According to the definition of carbon neutrality, every tonne of anthropogenic CO₂ released must be offset by the removal of an equal amount of CO₂. The following issues are highlighted:
 - sustainable water management,
 - a shift to renewable energy,
 - a campus ban on single-use plastics, plantations

Sustainability is a comprehensive strategy. We must therefore impart our knowledge to others in order for them to gain knowledge and be inspired to make their own campus carbon neutral. The dedication and continuous advancement might help to keep everyone's support. Making progress toward a carbon neutral campus can enhance the institution's reputation.

1.19.7 Man-made nest to attract some birds to maintain ecological balance

- ❖ NA



1.19.8 Restriction in use of plastic and plastic products

- ❖ College is completely plastic free.

1.19.9 Culture of some ducks, swans etc., for scenic beauty in pond or any water body resources (if available)

- ❖ NA

1.19.10 Green monitoring by green committee/volunteers/team

- ❖ Yes, the Green Committee is present in our college, they are working separately to maintain biodiversity.

1.19.11 Training on vermicomposting

- ❖ NA

1.19.12 Celebration of 'No vehicle Day' on a particular day

- ❖ NA

1.19.13 Dams inside the campus to meet the demand for water

- ❖ NA

1.19.14 Installation of fire safety instruments in all the buildings/departments

- ❖ Yes, installed in all buildings.

1.19.15 Toilets/separate toilets for differently abled students

- ❖ Yes, One.

1.20 Over all noise level

- ❖ NA

1.21 Is there any device (preferably HVS: High Volume Sampler) for measuring ambient air quality in the campus (if so, pl mention the data month wise)?

- ❖ NA

2. WATER MANAGEMENT



2.1 Whether college has an efficient and hygiene water storage mechanism to minimize the loss of water during storage

❖ NA

2.2 Whether college is using water filter with RO, Aqua Guard and/or large water filter with cooler at the strategic locations in the college. If so, are they under AMC:

❖ Yes, Aqua Guards and/or large water filter with coolers are working condition, which are maintained by college development fund.

2.3 Whether college has its own mechanism in repairing of water leakage:

❖ Yes, repairing of water leakage is maintained by college development fund

2.4 Is there any rainwater harvesting unit in college:

❖ NA

2.5 Whether college has developed any reuse and recyclable of water system:

❖ NA

2.6 Is there any scope of measurement of water quality parameters used in hostel, lab, office, canteen, tap water (if so, parameters: pH, EC, TDS etc.)

❖ NA

2.7 Water consumption (lt/d)

Departments/Labs	Water consumption (lt/d)
Chemistry	7 - 10
Zoology	4 - 5
Botany	4 - 5
Office	80 - 130
Staff room	80 - 130
Aqua guards	2000 - 2500
Student toilets	1000 - 1500
Total Consumption= 3175-4280 lit/day	

2.8 Whether college has sufficient/adequate drainage system:

❖ Yes, all departments have sufficient drainage system for water discharging.

3. ENERGY CONSERVATION



3.1 Reduction of energy consumptions, especially fossil fuel energy

3.1.1 Total electric consumption amount 42,378 kW/yr

3.1.2 Average electrical consumption in a month... 3531.51kW/yr

3.1.3 Total require of energy

❖ Table: Power consumption in a month

Electrical Appliances/ instruments	Number	Power (W/unit)	Total power (W)	kW	Operation	kW-hr	No of days in month(Av erage)	Total consum ption per month (unit)
					hours/day			
TUBE LIGHT	9	39	351	0.351	2	0.702	20	14.04
LED BULB	150	8	1200	1.2	2	2.4	20	48
LED TUBE	240	20	4800	4.8	2	9.6	20	192
METAL LED	15	20	300	0.3	6	1.8	20	36
PROJECTOR	9	150	1350	1.35	0.5	0.675	20	13.5
WiFi ROUTER	3	20	60	0.06	4	0.24	20	4.8
CCTV CAMERAS	28	15	420	0.42	6	2.52	20	50.4
FAN	381	65	24765	24.765	3	74.295	20	1485.9
COMPUTERS	92	120	11040	11.04	2	22.08	20	441.6
LAPTOPS	10	65	650	0.65	1	0.65	20	13
PRINTERS	25	50	1250	1.25	0.25	0.3125	20	6.25
XEROX	4	930	3720	3.72	0.25	0.93	20	18.6
COPIER	1	700	700	0.7	0.25	0.175	20	3.5
SCANNER	5	15	75	0.075	0.25	0.01875	20	0.375
INDUCTION	6	1200	7200	7.2	0.5	3.6	20	72
A/C	13	1203	15639	15.639	3	46.917	20	938.34
REFRIGERATOR	1	110	110	0.11	24	2.64	20	52.8
TABLE/STAND FAN	5	75	375	0.375	2	0.75	20	15
PUMP	2	750	1500	1.5	1.3	1.95	20	39
EXHAUST FAN	12	90	1080	1.08	2	2.16	20	43.2
AQUAGUARD	6	50	300	0.3	4	1.2	20	24
WATER FILTER	2	80	160	0.16	6	0.96	20	19.2
Total =								3531.51

3.1.4 Whether college has any provision/choice of renewable and carbon-neutral electricity options:



- ❖ Yes, college has solar power plant.

3.1.5 Whether college has planned to install solar panels:

- ❖ Yes, college has installed solar power plant.

3.1.6 Whether college has efficient water heating system:

- ❖ NA

3.1.7 Whether the staff members of all sectors are concerned in turning off electrical appliances when not in use in both commercial and residential area:

- ❖ Yes, the staff members of all sectors are concerned about it.

3.1.7 Is there any monitoring system – like put off the main switch where there is no need of electricity:

- ❖ Yes, Multi-Chip Package (MCP) is installed in every floors, and leads to avoid short-circuit and power saving.

3.1.8 Whether the users follow the appropriate and measurable targets for a reduction of energy, such as, computer, printers, electrical equipment when not in use:

- ❖ NA

3.1.9 Is there any options for equipment's running on standby mode:

- ❖ Yes, all electronic gadgets have set as automatic standby mode, which saves power.

3.1.10 Whether college has taken initiative to purchase efficient and environmentally sound appliances in order to fulfill the green budget:

- ❖ Yes, as follows:
 - Eco chargers and Smart sockets.
 - LED light bulbs.
 - Solar panels.

3.1.11 Whether college has its own mechanism in repairing of electrical fault:

- ❖ Yes, Multi-Chip Package (MCP) is installed in every floors. College has own electrical staff, who repair as early as possible.

3.1.12 Whether the class rooms are with sufficient illumination in day time and ventilation:

- ❖ Yes, all class rooms are well illumination in day time and has sufficient ventilation.

Number of lights & fans in class room (average):



- ❖ 4 LED, and 4 fan

Use of light & fans in the day time (average hours):

- ❖ 3-4 hours

Number of windows per class:

- ❖ It depends on room size, on average it is 3.

Natural light source in day time (in hours) (average per class):

- ❖ Only cloudy weather and few rooms (Room number 14 and 16) need electrical bulb/ tube.

3.1.13 How many (%) e-notice generated by the college for academic/administrative purposes in a month

- ❖ All notices are circulated by e-governance.

3.1.14 How many (%) paper-notice generated by the college for academic/administrative purposes in a month

- ❖ All notices are printed first then circulated by e-governance.

3.1.15 Total number of computer, printer, Laptop, Xerox machine

- ❖ Computer - 92, Printer – 25, Xerox – 4, Copier - 1

3.1.16 Whether college has organized lectures on energy conservation in order to give awareness to the students:

- ❖ NA

3.2 *Energy conservation strategies*

3.2.1 Whether the architectural design for college is based upon use of natural lighting & ventilation, to save extra power for bulbs and fans:

- ❖ Yes, as per Government standards.

3.2.2 Whether florescent bulbs are replaced with CFL bulbs/LEDs:

- ❖ Yes. Maximum bulb used in 10-20 watt LED.

3.3 Minimize the use of unsustainable transport

- ❖ Used bicycle by students, teachers, and staff to minimize the vehicular emission.

3.3.1 What are the available/maximum transport facility used by the staff members/students etc., - mention the number (in average per day):



- ❖ All faculties and staff are used personal car, bike and bicycle.

Car	Bike	Bicycle
7	50	5

3.3.2 Whether college has any common car sharing/car pool among the students and faculty:

- ❖ NA

4. WASTE MANAGEMENT

4.1 Maximization of the process of wastes & minimization of non-renewable refuse

- ❖ College is following zero organic waste protocol. Food waste generated by students and staffs are taken by them to their own home, so that, minimum waste is generated inside the campus. The chemicals from laboratories are disposed in a sealed tank along with water.

4.1.1 Is there any method of segregation of waste materials?

- ❖ Yes, college followed as CPCB prescribed waste guideline.

4.1.2 Total amount of solid waste generated in the campus (including tree droppings & Lawn wastes)

Total number of sweeper staff : 4

Per capita production per day : 0.5-1 kg/day waste

4.1.3 Whether college arrange any workshop/seminar/conference for awareness the students/staff for specific arrangements for recyclable wastes:

- ❖ NA.

4.1.4 Whether college follow specific disposal method for solid or liquid waste in specific manner:

- ❖ Not applicable, waste generated by college, which are directly taken by Dhupguri Municipal Authority.

4.1.5 Whether the recycling/collection facilities are provided by the city Municipality and/or private suppliers (including glass, white plastic bottle, printer cartridges, cardboard, furniture, plastics, thermocol, waste papers, electrical goods & alliances, electronic gadgets, instruments, equipment, packing materials):

- ❖ Yes.

4.1.6 Whether college has any composting ground/vat or any collection unit etc.:

- ❖ NA.



(if yes, what is the percentage of waste undergone composting and the final use of the products)

4.1.7 Is there any mechanism of treatment/uses of domestic influent in the college campus (if so, what is the capacity of treatment plant/composting etc.):

❖ NA.

4.1.8 Minimize use of chemical pollutants

Sl No.	Department	Name of the waste		Total (a+b) (kg/month)	Characterization (if any)	Method of disposal	Agency if any
		Chemical (a)	Biological waste (b)				
1.	Chemistry	Laboratory waste, cleaner	N.A	NIL (Closed due to COVID)	N.A	Given table	N.A
2.	Zoology	Laboratory waste, cleaner	Practical waste	NIL (Closed due to COVID)	N.A	Given table	N.A
3.	Botany	Laboratory waste, cleaner	Practical waste	NIL (Closed due to COVID)	N.A	Given table	N.A
4.	Geography	Laboratory waste, cleaner	N.A	NIL (Closed due to COVID)	N.A	Given table	N.A

Table: Different types of waste generated in the college and their disposal

Type of Waste	Particulars	Direct method
E-Waste	Computers, electrical and electronic parts	Direct selling, Exchanging with new model
Plastics waste	Pen, refill, Plastics water bottles and other plastic containers, wrappers etc.	Direct selling
Solid waste	Damaged furniture, paper waste, paper plastics, food wastes	Reuse after maintenance energy conversion
Chemical Wastes	Laboratory waste	Neutralise with water
Waste water	Washing, Urinals, Bathrooms	Soak pits, phytoremediation
Glass waste	Broken glass wares from labs	Direct selling
Sanitary Napkin/ pad	--	Burning by vending machine

4.1.9 Records of dustbins/collection bins inside the campus

- ❖ ❖ Biodegradable – 0.1 – 0.5 kg/day (office and class rooms)
- ❖ ❖ Non-biodegradable – 0.01 kg/day (office and class rooms)
- ❖ ❖ Biodegradable – 0 kg/day (labs)
- ❖ ❖ Non-biodegradable – 0 kg/day (labs)



- ❖ ❖ Hazardous waste - 0 gm/day (labs)
- ❖ ❖ E-waste collected – 30 Kg/year
- ❖ ❖ Glass waste – 0 Kg/year
- ❖ ❖ Dry leaves – 1 -2 Kg/day

4.1.9 Whether the cleaning products used by the college staff are ecofriendly and under the COSHH (Control of Substances Hazard to Health) regulations:

- ❖ NA

4.1.10 Whether the college is using fertilizers, pesticides for any purposes, if so, amount used per month and places of uses

- ❖ NA

4.1.11 Use of public transport:

- ❖ Yes, all stakeholders generally used public transport such as bus, toto, etc.,.

5. E-WASTE MANAGEMENT

5.1 Quantity of e-waste generated:

- ❖ 30 Kg/year

5.2 Number of cartridge used month-wise:

- ❖ 6 pics/month

5.3 Number of cartridge disposed in a year (average):

- ❖ 35 pics

5.4 Number of times refilling & reusing method of disposal of e-waste (if any):

- ❖ One time.

5.5 Whether college has conducted any awareness programme on e-waste management:

- ❖ NA

5.6 Is there any means of disposal of unused computers, printers and electronic wastes through authorized agents:

- ❖ NA, College deal with exchanged, which minimized the price reduction of new model.



6. GREEN AREA MANAGEMENT

6.1 Is there any garden in the college campus/outside the campus under college custody?

❖ Yes, the college has its own garden.

6.2 Whether the garden is watered by using drip/sprinkler irrigation system:

❖ Normal tap water.

6.3 Is there any mechanism of review of periodical monitoring of tree species:

❖ Yes, Botany department keep this periodical record.

6.4 Whether the college has taken any programme for plantation of some fruit trees which can attract birds, bees, etc.

❖ NA

6.5 Biodiversity mapping

❖ Yes, it is conducted by Botany Department.

6.6 Records of Plantation programmes

Sl No.	Programme conducted	Year	No. of tree planted	Present status of the species
1.	NSS plantation	25-08-2020	100	80
2.	World Environmental Day	5-06-2021	20	20
3	NCC plantation	2020	60	50

Recommended actions: 1) Try to measure noise level of campus, 2) Measure water quality parameters of drinking waters.

(Signature of IQAC Coordinator)

Co-ordinator, IQAC
Sukanta Mahavidyalaya

(Signature of Principal)

Principal
Sukanta Mahavidyalaya
Dhupguri, Jalpaiguri

(Signature of Audit Team Members)

20.01.22
T. Mondal 20.01.2022
K. Saha 20.01.2022
K. Saha 20.01.22

LISTING OF PLANT SPECIES WITHIN CAMPUS

Onsite Visit

Two day field visit was conducted by the Green Audit team. The key focus of the visit was on assessing the status of the green cover of the institution, along with to quantify the numbers of a particular plant present in the campus. To analyse the plat diversity of the campus the trees were classified in the following categories:

- a) Indigenous plants,
- b) Medical plants,
- c) Economic plants, and
- d) Ornamental and Exotic plants.

Green Campus

Following tables (Table 1 to Table 4) are the outcomes of the survey incorporated by the Green audit team of Sukanta Mahavidyalaya, Dhupguri, Dist. Jalpiguri.

Table 1 List of specious as detected in Green survey 1

SI No.	Name of the place	Plant types (Common name)	Species name and quantity	Name of the family	Total no. of species	Category of the plant/tree
1	<i>Sukanta murti to main gate of the college (Figure 2)</i>	Mottled spurge (Cactus)	Euphorbiaceae	E. Lactea	1	Ornamental
2		Beargrasses	Xerophyllum	Liliaceae	1	Ornamental
3		Common Guava	Myrtaceae	Psidium Guajava	4	Economic
4		Moonon Longifolium (False Ashoka)	Monoon Longifollum	Annonaceae	2	Ornamental
5		Peepal tree (Sacred tree)	Ficus Religiosa	Moraceae	1	Indigenous

Sl No.	Name of the place	Plant types (Common name)	Species name and quantity	Name of the family	Total no. of species	Category of the plant/tree
6	<i>Sukanta murti to Main gate of the college (Figure 2)</i>	Krishnachura (Flameboyant)	Fabaceae	Delonix regia	4	Indigenous
7		Haritaki	Terminalia	Combretaceae	1	Medicinal
8		Debdaru	Moonon Longifolium	Annonaceae	21	Economic
9		Bohera	Terminalia Bellirica	Combretaceae	1	Medicinal
10		Mango	Anacardiaceae	Mangifera Indica	2	Economic
11		Tamarind	Tamarindes Indica	Fabaceae	1	Economic
12		Ashoka	Saraca Asoca	Fabaceae	2	Indigenous
13		Sirish	Albizia lebbek	Fabaceae	5	Economic
14		Ficus	Moraceae	Ficus Benjamina	1	Ornamental
15		Mimosa	Albizia Julibrissin	Fabaceae	1	Ornamental
16		Bokul	Mimusops Elengi	Sapotaceae	2	Indigenous
17		Kadom tree	Neolamarckia Kadamba	Rubiaceae	1	Indigenous

Source: Green audit survey



Figure 1 Location of the plants in Green Survey 1

Table 2 List of species as detected in Green survey 4

Sl No.	Name of the place	Plant types (Common name)	Species name and quantity	Name of the family	Total no. of species	Category of the plant/tree
1	<i>Staff canteen to the back side of Mukta mancha of the college (Figure 3)</i>	Papaya	Carica Papaya	Caricaceae	2	Indigenous
2		Sirish	Albizialebb eek	Fabaceae	9	Economic
3		Mango	Anacardi eae	Mangifera Indica	2	Economic
4		Tamarind	Tamarin Indica	Fabaceae	1	Economic
5		Gamari	Gmelina Arborea	Lamiaceae	3	Economic
6		Krishnachura (Flameboyant)	Delonix regia	Fabaceae	1	Indigenous
7		Jaam	Acacia	Fabaceae	1	Economic

			Auminata			
8		Akashmoni	Annona Savumosa	Fabaceae	3	Indigenous
Sl No.	Name of the place	Plant types (Common name)	Species name and quantity	Name of the family	Total no. of species	Category of the plant/tree
9	<i>Staff canteen to the back side of Mukta mancha of the college (Figure 3)</i>	Kadom tree	Neolamarckia Kadamba	Rubiaceae	1	Indigenous
10		Ketoki/Keo	Crepe Ginger	Costaceae	1	Medicinal
11		Mehogini	Hwietenia Mahagoni	Meliaceae	1	Economic
12		Sugar Apple	Annona Squamosa	Annonaceae	1	Economic

Source: Green audit survey



Figure 2 Location of the plants in Green Survey 4

Table 3 List of species as detected in Green survey 2

SI No.	Name of the place	Plant types (Common name)	Species name and quantity	Name of the family	Total no. of species	Category of the plant/tree
1	<i>Flower garden of the college (Figure 4)</i>	Jarul	Lagerstroemia Speciosa	Lythraceae	1	Economic
2		Condyline	Cordyline Fruticosce	Asparagaeae	1	Ornamental
3		Dragontongue	Phyllodium Elegans	Fabaceae	1	Ornamental
4		Camelia	Camelia Oleifera	Pheaceae	1	Ornamental
5		Rongon	Ixora Coecinea	Rubiaceae	1	Ornamental
6		Hibiscus	Hibiscus rosa-sinensis	Malvaceae	2	Ornamental
7		Pinwheel flower	Tabernamontana Divaricata	Apocynaceae	1	Ornamental
8		Palm	Saribus Rotundifolius	Arecaceae	1	Ornamental
9		Areca palm	Dypsis lutescens	Arecaceae	1	Ornamental
10		Yucca aloifolia	Yucca aloifolia	Asparagaceae	1	Ornamental
11		Garden croton	Codiaeum Variegatum	Euphorbiaceae	1	Ornamental
12		Lady palm	Rhapis Excelsa	Arecaceae	1	Ornamental
13		Paper Read	Cyperus Papyrus	Cyperaceae	1	Ornamental
14		Beschornenia	Yucca Aloifolia	Asparagaceae	1	Ornamental
15		Jasmine	Jasmine Subtripline	Jasminaceae	1	Ornamental
16		Garden rose	Rosa Rubiginosa	Rosaceae	1	Ornamental

Source: Green audit survey



Figure 3 Location of the plants in Green Survey 2

Table 4 List of species as detected in Green survey 3

Sl No.	Name of the place	Plant types (Common name)	Species name and quantity	Name of the family	Total no. of species	Category of the plant/tree
1	<i>Back side of the flower garden to the new canteen of the college (Figure 5)</i>	Kadom tree	Neolamarckia Kadamba	Rubiaceae	1	Indigenous
2		Gamari	Cremlina Arbonea	Lamiaceae	2	Economic
3		Sirish	Albizialebbeek	Fabaceae	10	Economic
4		Eucalyptus	Myrtaceae	Eucalyptus Globulus	1	Ornamental
5		Akashmoni	Annona Savumosa	Fabaceae	1	Indigenous

Source: Green audit survey



Figure 4 Location of the plants in Green Survey 3

After this detail analyses it is observed that there are 93 plants are there in our college campus and they are of 40 different species categories. In sub-groups there are 17 species, which are from 6 different Indigenous plants, 3 different medicinal plants which are of 3 different species categories, 51 different plants are of 9 species categories and 22 ornamental plants which are of 22 different species categories are there in our college campus (Table 5).

Table 5 Total number of species and plants

Indigenous Plants		Medicinal Plants		Economic Plants		Ornamental or Exotic Plants		Total types of species	Total no. of plants
Types of species	Total no. of species	Types of species	Total no. of species	Types of species	Total no. of species	Types of species	Total no. of species	40	93
6	17	3	3	9	51	22	22		

Source: Green audit survey

So, there is a combination of both economic and other plants do exists in our college campus. Along with this we should concentrate to increase the carbon credit and greenery of the campus, it is recommended to plant more indigenous and evergreen / fruit trees inside the campus.