



Green Audit

(2015-16)

IQAC Jaysingpur College,
Jaysingpur.

JAYSINGPUR COLLEGE, JAYSINGPUR

National Accreditation and Assessment Council
(NAAC)

Criteria VII Innovations and Best Practices

Green Audit

The following are the major environmental initiatives undertaken by the college.

- **Energy conservation:-**

Implementing energy saving techniques is ensured that the lights and fans are switched off by floor peons and staff after completion of the last lecture of the day. Classrooms are made with sufficient cross ventilation and light so that the use of electricity can be minimized. This shows the institutions commitment towards energy Conservation.

Use of renewable energy

- **Water Resources:-**

The college is contemplating installing the water harvesting. The drinking water and the washroom water in the Campus.

- **Water harvesting project:-**

All trace water collected in one underground tank which is used for plantation.

Total use of water 49,000 Liter.

Use of water – Drinking, plantation, washrooms

- **Distribution of water**

Rain water Harvesting	Swimming Tank	Boy's Hostel	Girls Hostel	Principal Rest House	Canteen
10,000 Liter water collected used for Plantation	18,00,000 Liter water used for swimming	1000 Liter tank used for washrooms	1000 Liter tank used for washrooms	1000 Liter tank used for washrooms	1000 Liter water tank used for drinking

- **Plantation :-**

Various trees are planted and maintained to keep the campus green.

- **Hazardous waste management:-**

There are some hazardous chemicals used in the college laboratory all wastage drains after reasonable treatment so as to make it non hazardous.

- **E-Waste management:-**

Non-working computers monitors and printers are discarded and scrapped on a systematic basis. If some parts are useful in other systems they are kept aside for future use.

Department of Chemistry
List of Hazardous Chemicals

Sr No.	Name of the Chemicals
1	Conc. Sulphuric Acid
2	Conc. Hydrochloric Acid
3	Conc. Nitric Acid
4	Perchloric Acid
5	Chloro Acetic Acid
6	Ammonia
7	Aniline
8	Chloroform
9	Phenol
10	Nitrobenzene
11	Benzene
12	Bromine
13	Ether
14	Benzoyl Chloride
15	Methyl Alcohol
16	Sodium Metal
17	Glacial Acetic Acid
18	Hydrogen Peroxide
19	Sodium Hydroxide
20	Pot. Hydroxide
21	Silver Nitrate
22	Mercury Nitrate
23	Stannous Chloride
24	Lead Chloride
25	Phenyl Hydrazine

List of Plants in College Campus

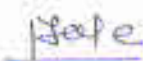
Sr. No	Name of the Plants	Total No.	Temperature Control	Dust reduce	Carbon neutral
1	Delonix regia	93	✓	X	X
2	Azadirachta indica A Juss.	78	✓	X	X
3	Bumusa Vulgaris	70	✓	X	✓
4	Eucalyptus globulus	09	✓	✓	✓
5	Ficus benghalensis L.	17	✓	✓	X
6	Sennatoria (Cassiatora)	94	✓	✓	X
7	Ziziphus mauritana	07	X	X	X
8	Dalberqia sissoo	10	✓	X	X
9	Temminalia Catapa	09	✓	✓	X
10	Ficus racemasa	03	✓	X	X
11	Santalum album	21	✓	X	X
12	Ficus benahalensis	12	✓	✓	X
13	Acacia nilotica	07	X	X	X
14	Pithecelobium dulce	06	X	X	X
15	Alstonia scholaris	28	✓	X	X
16	Caesalpien pulcherrima	19	✓	✓	X
17	Coccinia nucifera	63	X	X	X
18	Pongamia pinnata	04	✓	X	✓
19	Baubinia racemasa	06	✓	✓	X
20	Mangitera indica	02	✓	X	X
21	Syzygium Cumini	03	✓	✓	X
22	Artabotrys bexapetalus	01	X	X	X
23	Bombax Caba	01	X	X	X
24	Nerium oleander	18	✓	X	X
25	Gtrus aurantium	02	X	X	X
26	Thuja orientalis	04	✓	✓	X
27	Michelia champaka	01	X	X	X
28	Nymphaea nauchali	01	X	X	X
29	Artocarpus beterophylla	02	✓	X	X
30	Gstrum nocturnum	02	X	X	X
31	Cistrum elegans	01	X	X	X
32	Chrysanthemum spp	04	X	✓	X
33	Mimosa pudica	01	X	X	X
34	Manilkarazapota	01	✓	✓	X
35	Gnamomum tamala	01	X	✓	X
36	Piper betel	01	X	X	X
37	Piper longum	51	X	X	X
38	Acorus Calanus	01	X	X	X
39	Maringa oleitera	01	X	X	X

40	<i>Psidium guajara</i>	03	✓	X	X
41	<i>Punica granatum</i>	03	X	X	X
42	<i>Polyalthia longitolia</i>	29	✓	✓	X
43	<i>Tamarindus indica</i>	18	X	X	X
44	<i>Millinatonia hortensis</i>	15		X	X
45	<i>Murraya koeniji</i>	02	X	X	X
46	<i>Annona reticulata</i>	01	✓	X	X
47	<i>Annona squamasa</i>	03	X	X	X
48	<i>Tectong grandis</i>	197	X	✓	X
49	<i>Mimusops elengi</i>	02	✓	✓	X
50	<i>Gmbotogon Citratus</i>	01	X	X	✓
51	<i>Curcuma longa</i>	01	X	✓	X
52	<i>Tinospora Corditolia</i>	01	X	X	X
53	<i>Polianthus tuberosa</i>	30	X	X	X
54	<i>Plumbago zeylanica</i>	01	X	X	X
55	<i>Prosopis gnerania</i>	01	✓	✓	X
56	<i>Pterocarpus marsupium</i>	03	X	X	X
57	<i>Lawsonia inermisa</i>	01	X	X	X
58	<i>Salvia sp</i>	01	X	X	X
59	<i>Murraya poniculata</i>	01	✓	X	X
60	<i>Hibiscus roscl-sinensis</i>	02	✓	✓	X
61	<i>Justicia adnatoda/ Adathoda zeylanica</i>	03	X	✓	X
62	<i>Maeruva gtb abonqitolia</i>	01	X	X	X
63	<i>Tabernaemontana gtrifolia</i>	100	X	X	X
64	<i>Piperlongum</i>	01	X	X	X
65	Rain tree	01	✓	✓	X
66	<i>Bauchinia variegata</i>	01	✓	X	X
67	Christmas tree	02	✓	X	X
68	<i>Centellaasiatica/ Bacopa monierii</i>	01	X	X	X
69	<i>Hemideinus indicus</i>	01	X	X	x
70	<i>Areca palm spp</i>	103	✓	✓	✓
71	<i>Nyctantnes arbor tristis</i>	01	X	X	X
72	Plam trees	23	✓	✓	✓
73	<i>Cassia Astula</i>	01	✓	✓	X
74	Silver oak spp	21	X	X	X
75	<i>Helicteres Isora</i>	01	X	X	X
76	<i>Cycas spp</i>	01	✓	X	X
78	<i>Myristica fragrans</i>	01	X	X	X
79	<i>Bougunvelia spp.</i>	04	X	✓	X
80	<i>Gssus quadrangulare</i>	01	X	X	X
81	<i>Ixora spp</i>	06	✓	✓	X
82	<i>Gymnema syhvestre</i>	01	X	X	X
83	<i>Ficus spp. ornamental</i>	64	✓	✓	X
84	<i>Raullia serpentina</i>	01	X	X	X

85	Zamia spp	01	X	X	X
86	Withania sominifers	01	X	X	X
87	Tecoma spp.	08	✓	X	X
88	Jasminum sambea	01	X	X	X
89	Odomos spp	02	X	X	X
90	Albizia lebeck	03	✓	✓	X
91	Croton spp.	03	X	✓	X
92	Papermint spp.	01	X	X	X
93	Insulin plant spp.	01	X	X	X
94	Jacranda spp	02	X	X	X
95	Dracena	05	✓	X	✓
96	Bottle brush	03	X	✓	X
97	All vitamin plant	01	X	X	X
98	Australina acacia	02	✓	✓	X



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Convener criteria VII