



# PATUCK - GALA COLLEGE OF COMMERCE & MANAGEMENT

“Affiliated to University of Mumbai”

**Re-accredited with B++ grade by NAAC (2.77 CGPA)**

## CRITERIA 7

### 7.2 BEST PRACTICE II

# CLEAN AND GREEN CAMPUS

# CLEAN AND GREEN CAMPUS

We believe in keeping our campus clean and green, and thus, making our planet clean. Our staff and students have strides in creating a clean and green campus.

Our College has two playgrounds admeasuring 987 sq. meters and 743 sq. meters each with several trees, plants and shrubs at all sides. With size of the ground and variety of greenery across the campus, our College along with student set an example to develop future leaders in respecting and protecting the environment.

Our efforts to clean and green campus is stated below:

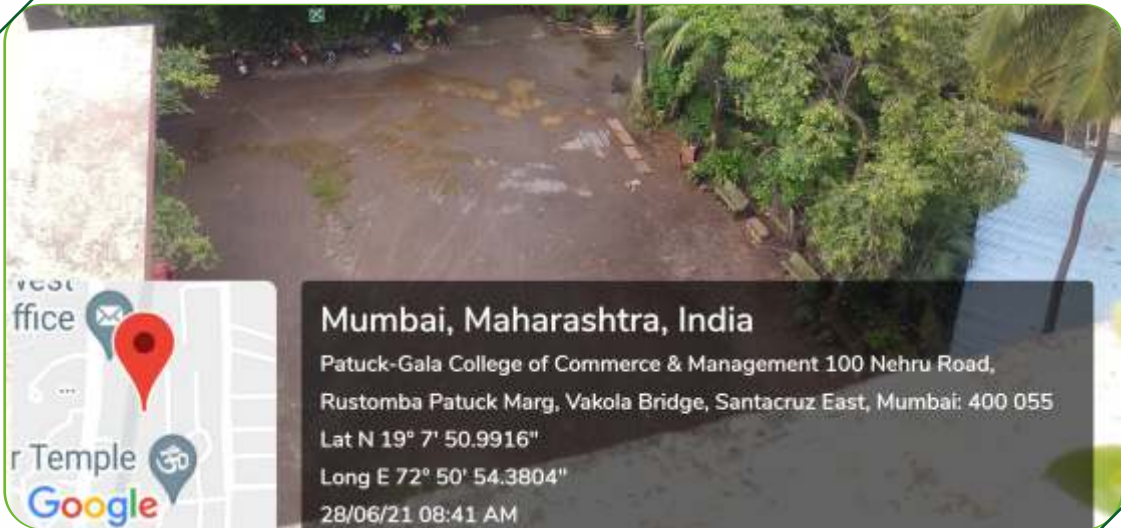
## 1. Landscape:

Well maintained Green Campus creates awareness and quality of learning. It also improves our ventilation system and provides natural light in our classrooms.

The trees and flower beds in the premises cools and beautifies the campus. It also gives soothing effect to the eyes.

The Greenwall created in the campus serves as a source of inspiration to all to become responsible and to utilise their skills and innovation to protect the environment. Our staff and students are actively involved in developing beautiful natural landscape in the campus.





## 2. Taxonomy:

College undertook plant taxonomy as we have variety of plants in the campus. We classified 175 species of plants in our campus, which were numbered and duly labelled by our alumnus and students. This gives an idea of different flora present in the College campus and helps to distinguish the species. A Green Board is displayed in the campus that states the variety and number of trees in the campus.





## INVENTORY OF TREES IN THE CAMPUS

Sr. No.	Botanical Name	English Common Name	मराठी स्थानिक नाव	Corresponding Label Numbers	Total
1	Acaciaauriculiformis	Earleaf Acacia Tree	विलायती बाभूळ	153	1
2	Albiziasaman	Rain Tree/ Monkey Pod Tree	—	152	1
3	Alstonia scholaris	Scholar's Bark Tree	सप्तपणी	111	1
4	Annonasquamosa	Custard Apple	सीताफळ	134, 170	2
5	Araucaria columnaris	Christmas Tree	खिसमस टी	96	1
6	Areacatechu	Areca Palm	सुपारी	10, 169	2
7	Averrhoacarambola	Star Fruit	करंबळा	8	1
8	Barringtoniaracemosa	Powderpuff Mangrove	समुद्रफळ	131	1
9	Bauhinia variegata	Variegated Bauhinia	कांचन	75	1
10	Carica papaya	Papaya	पपई	133, 147, 157, 159, 160	5
11	Caryotaurens	Fishtail Palm	भली वडा	37, 38, 39, 40	4
12	Cascabelathevetia	Yellow Oleander	बिट्टी	46, 47	2
13	Cassia javanica	Java Cassia	—	172	1
14	Cassia fistula	Golden Shower Tree	बहावा	73, 132	2
15	Ceibapentandra	White Silk-Cotton Tree	पढरी सवर	171	1
16	Cocosnucifera	Coconut	नारळ	9, 26, 29, 30, 33, 34, 50, 51, 52, 55, 59, 71, 86, 89, 90, 112, 118, 121, 130, 148, 151, 154, 156, 158, 161, 162, 173	27
17	Delonixregia	Flame Tree	गुलमोहर	101, 105, 115, 138, 140	5
18	Erythrinavariegata	Indian Coral Tree	पगारा	127	1
19	Ficuselastica	Indian Rubber Tree	रबराचा वड	22, 25	2
20	Ficusracemosa	Cluster Fig	उंबर	70, 108	2
21	Ficus religiosa	Bodhi Tree	पिंपळ	28, 72	2
22	Hibiscustilliaceus	Sea Hibiscus	बेलापट	135	1
23	Lagerstroemia speciosa	Queen's Flower	तामान	146, 163	2
24	Leucaena leucocephala	River Tamarind	सुभाभूळ	129, 155	2
25	Magnoliachampaca	Champa	सांन चाफा	95	1
26	Moringaoleifera	Drumstick Tree	शंवगा	19, 35	2
27	Neolamarckiacadamba	Burflower Tree	कदंब	174	1
28	Nyctanthesarbo-tristis	Queen of The Night	पारिजातक	65, 92	2
29	Pavetta indica	Indian Pavetta	पापट	82, 104	2
30	Peltophorumpterocarpum	Copper Pod Tree	सोनमोहर	3, 4, 53, 54, 60, 120, 149, 150	8
31	Phyllanthus acidus	Star Gooseberry	राय आवला	99	1
32	Platycladus orientalis	Oriental Thuja	मोरपखी	98, 145	2
33	Plumeria pudica	Wild Plumeria	—	41, 42, 43, 44, 78, 94	6
34	Plumeria alba	White Frangipani	चाफा	62	1
35	Plumeria rubra	Red Frangipani	लाल चाफा	175	1
36	Polyalthia longifolia (longifolia)	Mast Tree	आसुपालव	36, 68, 69, 91, 100, 164, 165, 167, 168	9
37	Polyalthia longifolia (pendula)	Mast Tree	आसुपालव	57, 76, 79, 81, 83, 84	6
38	Pongamiapinnata	Pongam Oil Tree/ Indian Beech Tree	करंज	1, 2, 5, 6, 7, 27, 31, 32, 58, 66, 67, 102, 109, 110, 113, 114, 116, 117, 119, 122, 123, 124, 125, 136, 139	25
39	Pritchardia pacifica	Fan Palm	—	45	1
40	Psidium guajava	Guava	पेरू	11, 12, 77, 80, 144	5
41	Pterygotaalata	Buddha's Coconut Tree	नरिकेल	128, 137, 142	3
42	Roystonea regia	Royal Bottle Palm	बाटली पाम	13, 14, 17, 21, 24	5
43	Spathodea campanulata	African Tulip Tree	पिचकारी	16, 18, 20, 23	4
44	Syzygium cumini	Java Plum	जाभूळ	87	1
45	Tabebuia sp.	Pink Trumpet	—	143	1
46	Tamarindus indica	Tamarind	चिंच	126	1
47	Tecoma stans	Yellow Bells	—	63	1
48	Tectona grandis	Teak	साग	64	1
49	Terminalia arjuna	Arjun	अर्जुन	141	1
50	Terminalia catappa	Indian Almond	देशी बदाम	15, 61, 74, 85, 88, 166	6
51	Thespesia populnea	Indian Tulip Tree	भंड	107	1
52	Unidentified species	—	—	49, 56	2
53	Ficus benjamina	Weeping Fig	पुकार	93, 103	2
54	Azadirachta indica	Margosa Tree	कडुनिंब / कडुनीम	48	1
55	Bauhinia acuminata	Dwarf White Bauhinia	सफद कचनार	97	1
56	Sterculia foetida	Wild Indian Almond	जंगली बदाम	106	1
				<b>Total</b>	<b>175</b>

### 3. Rainwater Harvesting:

Our College had an objective of saving water from rain in coming years. Implementing rainwater harvesting in real-life inspires the students to practice it at home and spread knowledge as they have experienced the working of rainwater harvesting. This project is taken up with Asian paints as a part of their Corporate Social Responsibility (CSR) project.





**Asian Paints Limited**  
Asian Paints House  
6A, Shree Nagar  
Santacruz (E)  
Mumbai 400 055  
T : (022) 6200 3000  
F : (022) 6200 1111  
[www.asianpaints.com](http://www.asianpaints.com)

To,

Mr. SM Singh,  
Vocational Section In-charge  
Patuck Polytechnic Trust  
Santacruz East  
Mumbai

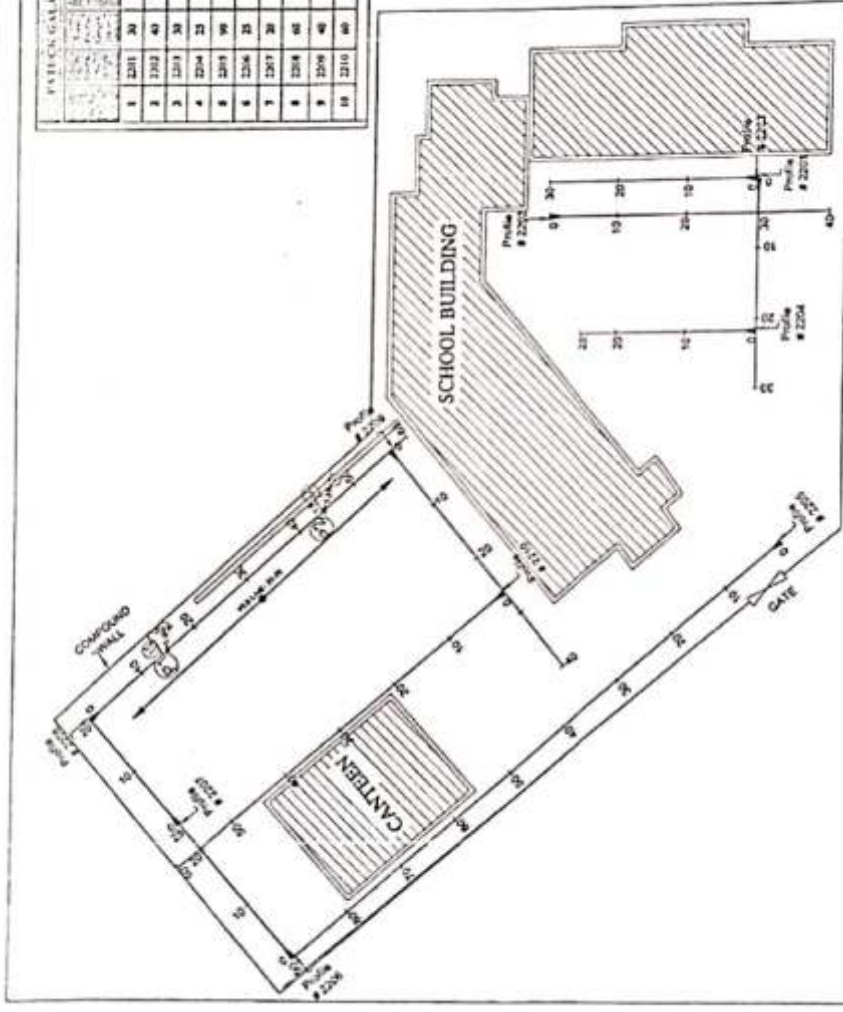
CC Chairman – Patuck Polytechnic Trust

Asian Paints Limited has been doing CSR projects in the Water Management space for quite a few years. As a part of our Water vertical, we had approached Patuck Polytechnic for installation of a Rain Water Harvesting structure as the college did not have one. Due to Covid-19 pandemic, the same could not be installed in time last year, however I request Patuck to allow the same now. As discussed in FY 19-20, the installation will be done by Waterfield Technologies which is sponsored by Asian Paints Limited and the annual maintenance will be the responsibility of the institute.

A handwritten signature in blue ink that reads 'Neha'.

Yours sincerely,  
Neha Kayal  
Corporate Social Responsibility  
Asian Paints Limited

PATUCK GALA COLLEGE OF COMMERCE & MANAGEMENT			
STATION	CHANGING POINT	BEARING	DISTANCE
1	2201	34	63
2	2202	41	63
3	2203	38	63
4	2204	23	63
5	2205	98	63
6	2206	25	63
7	2207	28	63
8	2208	45	63
9	2209	48	63
10	2210	48	63



LEGEND

Sl.No	DESCRIPTION	SYMBOLS
1	PROFILE	—▲—
2	BOREWELL POINTS	⊕
3	DISTANCE FROM ZERO	(0)
4	TREE	⊙
5	VES LINE	---

# RAINWATER HARVESTING LAYOUT

**PROJECT :**  
GEO-HYDROLOGICAL SURVEY LAYOUT FOR  
AT PATUCK GALA COLLEGE OF COMMERCE  
& MANAGEMENT, SANTACRUZ.

**DATA SHEET No.**  
208-81

**SHEET No.**  
01/01

**SCALE**  
1:100

**NORTH**  
[Symbol]

REV.	DATE	DESCRIPTION	DRN.	CHD.	APPO.
00	17.03.2020	SUBMISSION	S/G	S/P	S/P

**WATER FIELD TECHNOLOGIES PVT. LTD.**  
RAINWATER HARVESTING AND WATER SOURCES MANAGEMENT  
#12, New Anand 18, 1st Floor, New Anand, Santacruz (West), Mumbai, Maharashtra, India. Phone: (91) 986687 5224-24863744023  
Email: info@waterfieldtechnologies.com, waterfieldtechnologies@gmail.com  
Web: www.waterfield-tech.com



#### 4. Solar Panels:

Installing solar panels enables our College to reduce the dependence on other sources of energy. It has promoted the use of renewable energy in our campus. It has also brought down the usage of electricity consumption cost as well. The excess energy generated by the solar panels is wheeled into the grid.



**Wheeling to the Grid**  
(Extract from Energy Audit Report)

Meter 4 - 9052281 A/c No. 152875037											
Adani Bill											
MONTH	IMPORT	EXPORT	TOTAL	BILLED CONS. (kWh)	BILLED AMT. (₹)	Rate of Energy (₹/kWh)	RAN KED	Gen. Recorded @ SMA Inverter	SAVINGS @ SOLAR (₹)	SOLAR GEN. - EXPORT ENERGY (kWh)	ACTUAL CONS. (kWh) 'Adani+Solar'
	A	B	C=A+B	D=A-B	E	F=E/D		G	H = F x G	I = G - B	J = A + I
Jan-19	1170.00	659.30	1829.00	511.00	6517.00	12.76		1885.27	24,057.00	1,226.00	2,396.00
Feb-19	1108.10	619.80	1728.00	488.00	6241.00	12.78		1938.42	24,776.00	1,319.00	2,427.00
Mar-19	1547.60	547.30	2095.00	1000.00	12386.00	12.38		2328.62	28,833.00	1,781.00	3,329.00
Apr-19	1665.50	656.90	2322.00	1009.00	12170.00	12.07		2200.59	26,553.00	1,544.00	3,209.00
May-19	774.30	894.90	1669.00	0.00	442.00		121	2239.39		1,344.00	2,119.00
Jun-19	1900.00	359.70	2260.00	1419.00	16936.00	11.93	121	1569.42	18,731.00	1,210.00	3,110.00
Jul-19	2638.70	139.10	2779.00	2500.00	29500.78	11.80		948.48	11,194.00	809.00	3,448.00
Aug-19	2455.00	309.70	2765.00	2145.00	25374.00	11.83		1313.43	15,535.00	1,004.00	3,459.00
Sep-19	2122.00	222.20	2344.00	1900.00	22527.00	11.86		1102.89	13,077.00	881.00	3,003.00
Oct-19	1623.00	558.50	2182.00	1065.00	12809.00	12.03		1598.80	19,230.00	1,040.00	2,663.00
Nov-19	1917.00	354.40	2271.00	1563.00	18609.00	11.91		1621.55	19,311.00	1,267.00	3,184.00
Dec-19	1549.00	437.00	1986.00	1112.00	13382.00	12.03		1522.86	18,326.00	1,086.00	2,635.00

Table 23: Import and Export data recorded for January- December 2019 for meter no. 9052281.

## 5. Green, Energy and Environment Audits:

Audit has an important role to play in ensuring that organization fulfill their policy commitment to environment management and performance. It provides the information on threats and challenges on the key area of performance. On the recommendation of IQAC, the College undertook the scientific audit process by appointing a suitable agency.

Our College has undertaken green, energy and environment audit which certifies our commitment to sustainability and environment management through conducting environment promotion activities and operations in the College campus.

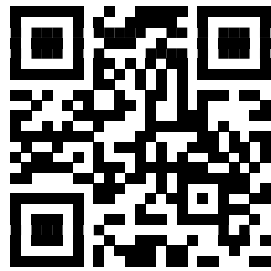


## 6. Cleaning of Campus:

Maintaining a clean College environment sets good example to students and community. It encourages students to take pride in their College and makes them more responsible not to litter around. Students will potentially make a bigger effort to maintain their environment. Our NSS Unit and Students Council take up the activity of cleaning our campus with the help of students.



Green Campus is not new but knowledge about the environment and readiness to protect the environment is lacking among individuals in society. Schools and Colleges can instil this value and bridge this gap. A consistent and conscientious practice to manage and protect the environment helps to build the perspective about the environment.



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