

## **CRITERIA 7**

### **Institutional Values and Best Practices**

7.1 Institutional values and social Responsibilities Inclusion and Situatedness, Human values and Professional ethics

#### **METRIC NO. 7.1.2**

**Environmental Consciousness and Sustainability  
and Divyangjan friendly Initiative**

## **7.1.2**

### **Environmental Consciousness and Sustainability and Divyangjan friendly Initiative**

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment



**Criterion 7 – Institutional Values and Best Practices**

**Key Indicator - 7.1.2 Institutional Values and Social Responsibilities  
Environmental Consciousness and Sustainability and Divyangjan Friendly Initiative**

**7.1.2.1 The Institution has facilities for alternate sources of energy and energy conservation measures**

<b>Sr. No.</b>	<b>Contents (Documents)</b>
<b>A</b>	<b>Use of LED Bulb/ power efficient equipment</b>
1	Geotags photos of LED in Institute
2	LED purchase and Electrical bill
<b>B</b>	<b>Solar Panel</b>
1	Geotagged Photograph
<b>C</b>	<b>Daylight</b>
<b>D</b>	<b>Uses of Dimming Sensor</b>
<b>E</b>	<b>Additional Information</b>
1	Geotagged Photographs of Posters for awareness of Green practices in campus

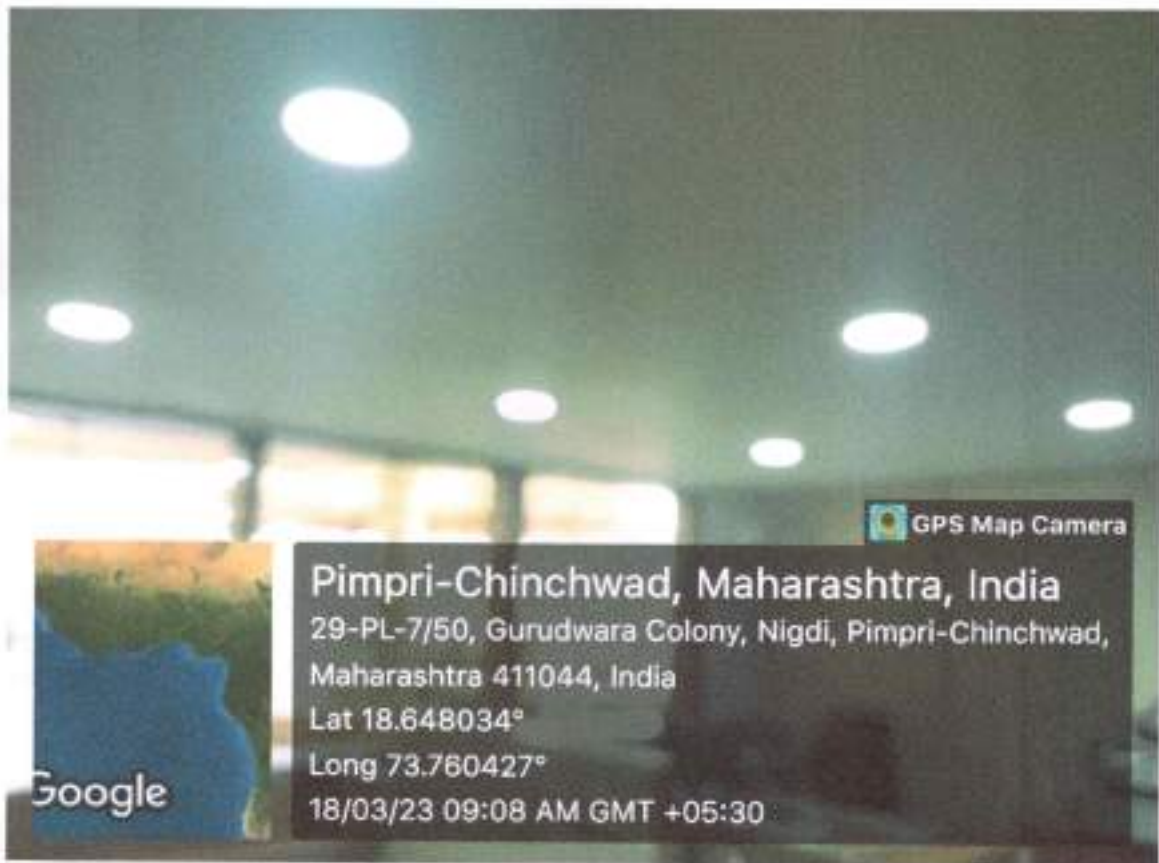
### **A. Use of LED Bulbs/power efficient equipment**

College has given priority to installation LED light in the campus, maintenance team work regularly on this section. They replace fluorescent tubes to LED and they use LED according to BEE Rating system for more power saving. College is using 20W LED Ceiling Luminaire and 36W LED Tube. College using 60W Wall fan for specific air movement, and 60W ceiling fan.


For new construction college always recommend energy saving appliances and equipment.

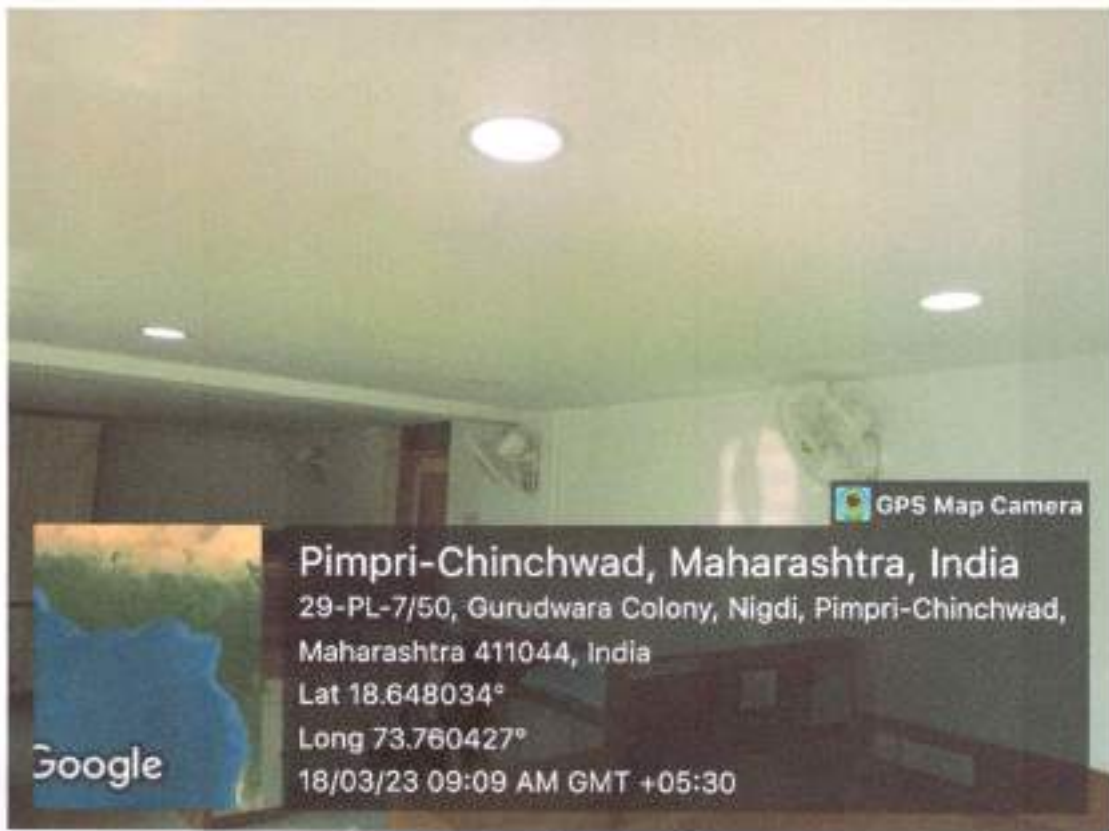
**Supporting Documents-** Geotagged Photograph of Campus Interior  
Purchasing Bill of Electrical Accessories  
Electricity Bill copy

**Note-** LED luminaries has not reflect to much in electricity bill because ratio of lighting in electric consumption is low and Electric city bill is depend on unit rate.



LED installation in the campus administration area. Each ceiling Luminaire have 20W.

  
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LED installation in the staff room. Each ceiling Luminaire have 20W and wall fan have 60W.



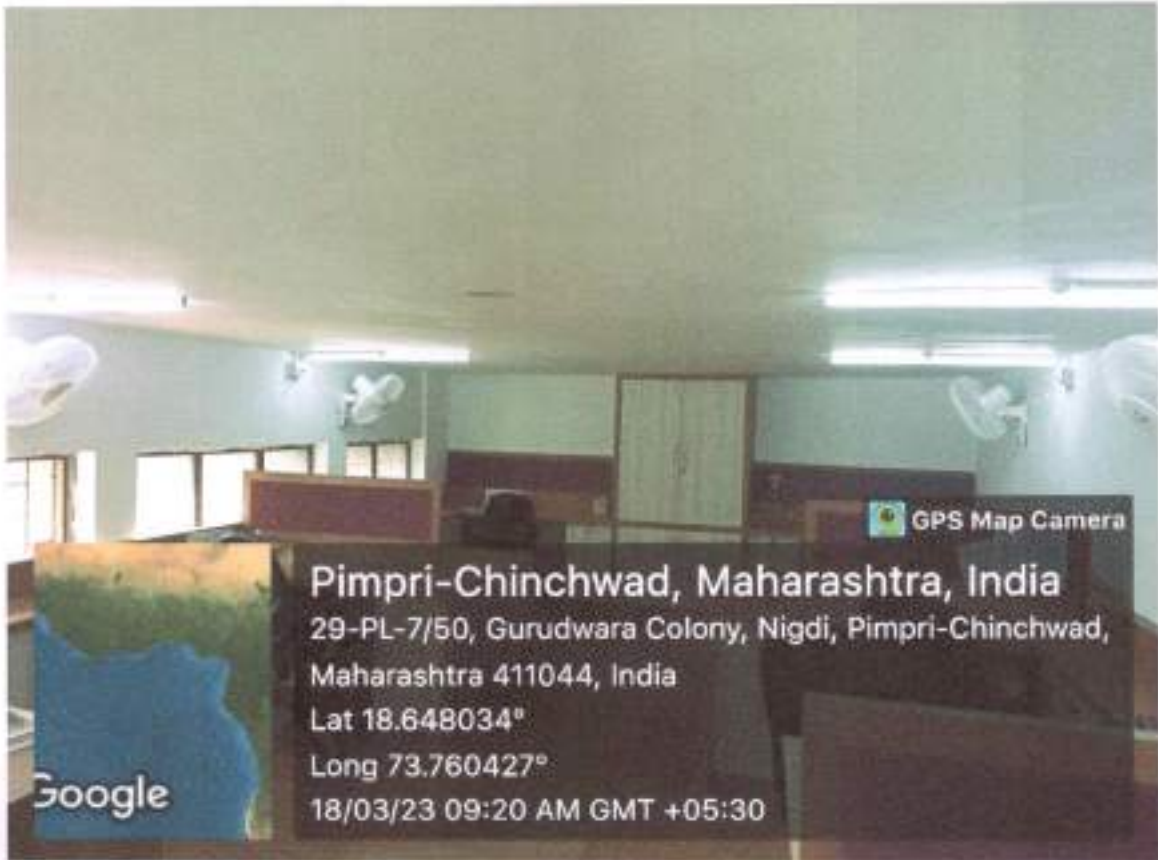
Classroom have replaced LED tube from Fluorescent tube. Power wattage of each tube is 36W.

  
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Akurdi Pune



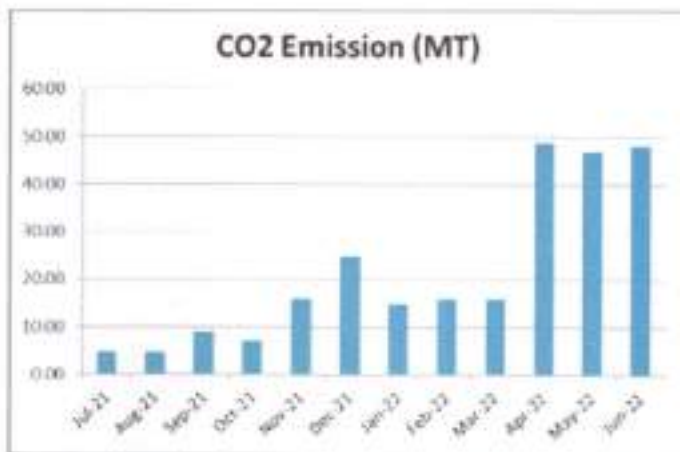
Installation of LED Tube in campus Corridor area.

  
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Akurdi Pune



Installation of LED tube and wall mount fan on individual basis for specific air movement.

No	Month	Energy (kWh)	Bill Amount (Rs)
1	Jun-22	60,107	1,003,847
2	May-22	58,729	971,594
3	Apr-22	61,090	950,973
4	Mar-22	19,890	939,385
5	Feb-22	19,890	353,758
6	Jan-22	18,439	337,486
7	Dec-21	31,210	491,033
8	Nov-21	19,909	368,776
9	Oct-21	8,754	491,033
10	Sep-21	11,203	368,776
11	Aug-21	5,778	203,048
12	Jul-21	5,971	184,510
	<b>Total</b>	<b>320,982</b>	<b>6,664,219</b>



Summary of Electricity bills & CO2 emission of D Y Patil Educational Complex (Source-Green Audit report)

  
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Akurdi Pune

## B. Solar Panel

D Y Patil Educational Complex has been taken initiative in the field of alternate source of energy generation. College has installed roof top solar panel system in On grid mode of capacity 350kWp. Detailed performance sheet of Solar Panel attached in Green Audit.



Geotagged Photograph of On grid Solar PV Plant at D Y Patil Educational Complex

No	Particulars	Value	Unit
1	Annual Energy Purchased from MSEDCL	320,982	kWh/Annum
2	Energy Generated by Roof Top Solar PV System	400,572	kWh/Annum
3	Total Energy Requirement of College	721,554	kWh/Annum
4	% of Usage of Alternate Energy to Annual Energy Requirement	50	%

Computation of % generation of energy through alternate renewable sources and consumption of energy development Authority. (Source-Energy Audit Report)

  
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Akurdi Pune





DR. D.Y. PATIL PRATISHTHAN'S  
**DR. D. Y. PATIL COLLEGE OF ARCHITECTURE**  
 Sector 29, Behind Akurdi Rly Stn, Pradhikaran, Pune - 411 044.

C.B. No.  
 V. R. No.  
 Date: **8 APR 2023**

**DEBIT VOUCHER**

DEBIT A/c. Repairing and Maintenance Electrical  
 Pay to Mr. / Mrs. / M/s. Shri Samarthya Electricals

Particulars	Amount	
	Rs.	Ps.
On Account <u>RTGS payment made for electrical work at the corridor Ambulance</u>	79,355	
③ National Museum <sup>Balasa</sup> ① 42,000 + 21,000 = 63,000 <sup>227 Balasa</sup> ② 56,250 - 28,125 = 28,125 <u>1001</u> ③ 31,850 = 31,850		
By Cash / Cheque / Demand Draft No. <u>130,100</u>		
Dated <u>18 APR 2023</u> Bank : PNB Branch <u>PUNE</u>		
Rs. in words <u>Seventy Nine Thousand Three</u>		
<u>Fifty Five Paise only</u>		

Cheque No. 737611  
 Date: 18 APR 2023  
 Bank: PUNB

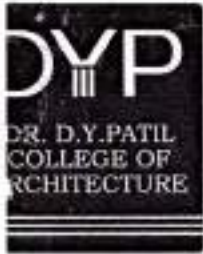
Accountant: [Signature] Office Supdt.: [Signature] Principal: [Signature] Chief Finance Officer: [Signature] Director: [Signature] Rec: [Signature] ture

1	6Amp Light Point	680.00	12	8160.00
1	6Amp Haff Point	340.00	36	12240.00
1	3W LED Spot Light	450.00	48	21600.00
(Total Value of this W.O. is Rs. Forty Two Thousand Only)				42000.00

Terms & Conditions: -  
 1) Terms of Payment : 50% Advance and  
 2) GST : Inclusive  
 Delivery schedule : Immediate  
 Delivery at our: DYP COA  
 Warranty : SLA Applicable

For Dr D Y Patil College of Architecture, Akurdi, Pune.  
 Ar. Dhananjay Chaudhari  
 Principal  
 R Adm Amit Vikram (Retd.)  
 Campus Director  
 Dr D Y Patil Educational Complex  
 Akurdi Pune 44.

Dr. D.Y. Patil Pratishthan's  
 Padmasree Dr. D.Y. Patil College of Architecture,  
 Akurdi Pune



DR. D.Y. PATIL PRATISHTHAN'S  
DR. D. Y. PATIL COLLEGE OF ARCHITECTURE  
Sector 29, Behind Akurdi Rly Stn, Pradhikaran, Pune - 411 044.

Approved by Council of Architecture, New Delhi  
Affiliated to Savitribai Phule Pune University No. - PU/PN/Arch/154/2000 - AISHE Code : C-41741  
Ph : 020 27654501, 2765 4468 Fax : 020 2765 4501  
Website: www.dypcoa.org, E-mail: mh32dypcoa@rediffmail.com

Padmashree Dr. D.Y. Patil (M.A.,LL.B.,Ph.D.)  
Founder President

Dr. Sanjay D.Patil  
President

Shri.Satej alias Bunty D.Patil  
Vice -President & Chairman

Dr. Dhananjay Chaudhari  
Principal

Ref.No.:DYP/COA/

Date:

**WORK ORDER**

M/s Shri Shamatha Electricals  
Room No. 207/2/1/4, Kapate Vasti,  
Wakad, Pune 57  
Phone - 9764275219

W. O. No.      Date: 12/12/2022  
Indent No.: Approved Note  
College :-DYP/COA, Akurdi  
Quotation No :-  
Date : 30.09.2022

With reference to the quotation received, we are pleased to give you this Work order for Improvement of Corridor Ambience at Dr. D Y Patil Architecture College Building

Sr. No.	Description of item	Rate in INR	Quantity	Total amount in
1	6Amp Light Point	680.00	12	8160.00
1	6Amp Haff Point	340.00	36	12240.00
1	3W LED Spoot Light	450.00	48	21600.00
<b>(Total Value of this W.O. is Rs.Forty Two Thousand Only)</b>				<b>42000.00</b>


**Terms & Conditions: -**


- 1) Terms of Payment : 50% Advance and
- 2) GST : :Inclusive

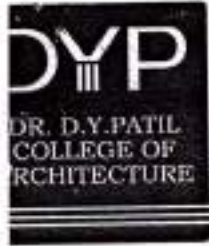
Delivery schedule : Immediate  
Delivery at our: DYP/COA  
Warranty : SLA Applicable

For Dr D Y Patil College of Architecture, Akurdi, Pune.

  
Ar. Dhananjay Chaudhari  
Principal

  
R Adm Amit Vikram (Retd.)  
Campus Director  
Dr D Y Patil Educational Complex  
Akurdi Pune 44.

  
Dr. D.Y. Patil Pratishtan's  
Padmashree Dr. D.Y. Patil College of Architecture,  
Akurdi Pune



DR. D.Y. PATIL PRATISHTHAN'S  
DR. D. Y. PATIL COLLEGE OF ARCHITECTURE  
Sector 29, Behind Akurdi Rly Stn, Pradhikaran, Pune - 411 044.

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Ph : 020 27654501, 2765 4468 Fax : 020 2765 4501  
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Padmashree Dr. D.Y. Patil (M.A.,LL.B.,Ph.D.)  
Founder President

Dr. Sanjay D.Patil  
President

Shri.Satej alias Bunty D.Patil  
Vice -President & Chairman

Ar. Dhananjay Chaudhari  
Principal

Ref.No.:DYPCOA/

Date:

WORK ORDER

M/s Shri Shamartha Electricals  
Room No. 207/2/1/4, Kapate Vasti,  
Wakad, Pune 57

W. O. No.      Date: 12/12/2022  
Indent No.: Approved Note  
College :-DYPCOA, Akurdi  
Quotation No :-  
Date : 30.09.2022

Phone - 9764275219

With reference to the quotation received, we are pleased to give you this Work order for Material Museum display area at Dr. D Y Patil Architecture College Building

Sr. No.	Description of item	Rate in INR	Quantity	Total amount in
1	6Amp Light Point	680.00	25	17000.00
2	2X2 36W led Panel Light	1570.00	25	39250.00
<b>(Total Value of this W.O. is Rs.Fifty Two Thousand Two Hundred Fifty Only)</b>				<b>56250.00</b>


Terms & Conditions: -


- 1) Terms of Payment : 50% Advance and
- 2) GST : :Inclusive

Delivery schedule : Immediate  
Delivery at our: DYPCOA  
Warranty : SLA Applicable

For Dr D Y Patil College of Architecture, Akurdi, Pune.

Ar. Dhananjay Chaudhari  
Principal

  
R Adm Amit Vikram (Retd.)  
Campus Director  
Dr D Y Patil Educational Complex  
Akurdi Pune 44.

  
Dr. D.Y. Patil Pratishthan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune



**CHALLAN CUM INVOICE**

Mobile - 9764275219

# Shri Samartha Electricals

House, Office & Industrial Wiring, Fitting & Industrial Repairing

Address Room No.207/2/1/4, Kaspate Vasti, Wakad, Pune- 57

To. Dr D Y Patil college of Architecture  
Akundi Pune

Challan / Invoice No.:

P.O. No: **227**

Date: **04/04/2023**

Please Receive the following goods in good condition & Return the Duplicate duly Signed

Sr. No.	Description	Quantity No.	Rate Per Price	Amount	
				Rs	Ps
1)	6 Amp Light point	25	680	17000	
2)	2x2 36w Led Panel Light	<del>1570</del> 25	1570	39250	

**Bank Details :** Bank Name - Saraswat Bank  
IFSC CODE - SRCB 0000064  
A/C No - 064100105214132

**PAID**  
DYPCOA  
Cheque No. 1739611  
Date: 18 APR 2023  
Bank: .....

Total **56250**

Received the above goods in good condition

*[Signature]*  
For Shri Samartha Electricals

*[Signature]*  
Dr. D Y Patil Pralishthan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akundi Pune

## CHALLAN CUM INVOICE

Mobile - 9764275219



# Shri Samartha Electricals

House, Office &amp; Industrial Wiring, Fitting &amp; Industrial Repairing

Address Room No.207/2/1/4, Kasbate Vasti, Wakad, Pune- 57

To. Dr. D.Y. Patil College of Architecture Akurdi Pune.

Challan / Invoice No.:

P.O. No :

Date: 04/4/2023 224

Please Receive the following goods in good condition &amp; Return the Duplicate duly Signed

Sr. No.	Description	Quantity No.	Rate Per Price	Amount	
				Rs	Ps
1	6 AMP Light point	12	680	8160	—
2	6 AMP Hoff point	36	340	12240	—
3	3W Led Spot Light	48	450	21600	—

Bank Details : Bank Name - Saraswat Bank  
IFSC CODE - SRCB 0000064  
A/C No - 064100105214132

**PAID**  
**DYPCOA**

Cheque No: 731611  
Date: 18 APR 2023  
Ban's:

Total 42000

Received the above goods in good condition

For  Shri Samartha Electricals

DR. D.Y. PATIL PRATISHTHAN'S  
DR. D. Y. PATIL COLLEGE OF ARCHITECTURE  
Sector 29, Behind Akurdi Rly Str, Pradhikaran, Pune - 411 044.

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President

Shri.Satej alias Bunty D.Patil  
Vice -President & Chairman

Ar. Dhananjay Chaudhari  
Principal

Ref.No.:DYPCOA/

Date:

WORK ORDER

M/s Shri Shamartha Electricals Room No. 207/2/1/4, Kapate Vasti, Wakad, Pune 57 Phone - 9764275219	W. O. No. 4087 Date: 28/03/2023 Indent No.: Approved Note College :-DYPCOA, Akurdi Quotation No :- Date : 20.03.2023
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With reference to the quotation received, we are pleased to give you this Work order for repair and maintenance works area at Dr. D Y Patil Architecture College Building

Sr. No.	Description of item	Rate in INR	Quantity	Total amount in
1	6Amp Light Point	680.00	15	10200.00
2	15w led light	550.00	4	2200.00
3	Exhaust fan	1350.00	7	9450.00
4	22w sensor light	900.00	2	1800.00
5	205 size mm wire	95.00	30 mtr	2850.00
6	Wall fan	2150.00	2	4300.00
7	20w LED tube light	350.00	3	1050.00

(Total Value of this W.O. is Rs. Thirty One Thousand Eight Hundred Fifty Only) 31850.00

Terms & Conditions: -

- 1) Terms of Payment : 100% Advance
- 2) GST : Inclusive

Delivery schedule : Immediate  
Delivery at our: DYPCOA  
Warranty : SLA Applicable

For Dr D Y Patil College of Architecture, Akurdi, Pune.

Ar. Dhananjay Chaudhari  
Principal



RAAdm Amit Vikram (Retd.)  
Campus Director  
Dr D Y Patil Educational Complex  
Akurdi Pune 44.

### C. Daylight

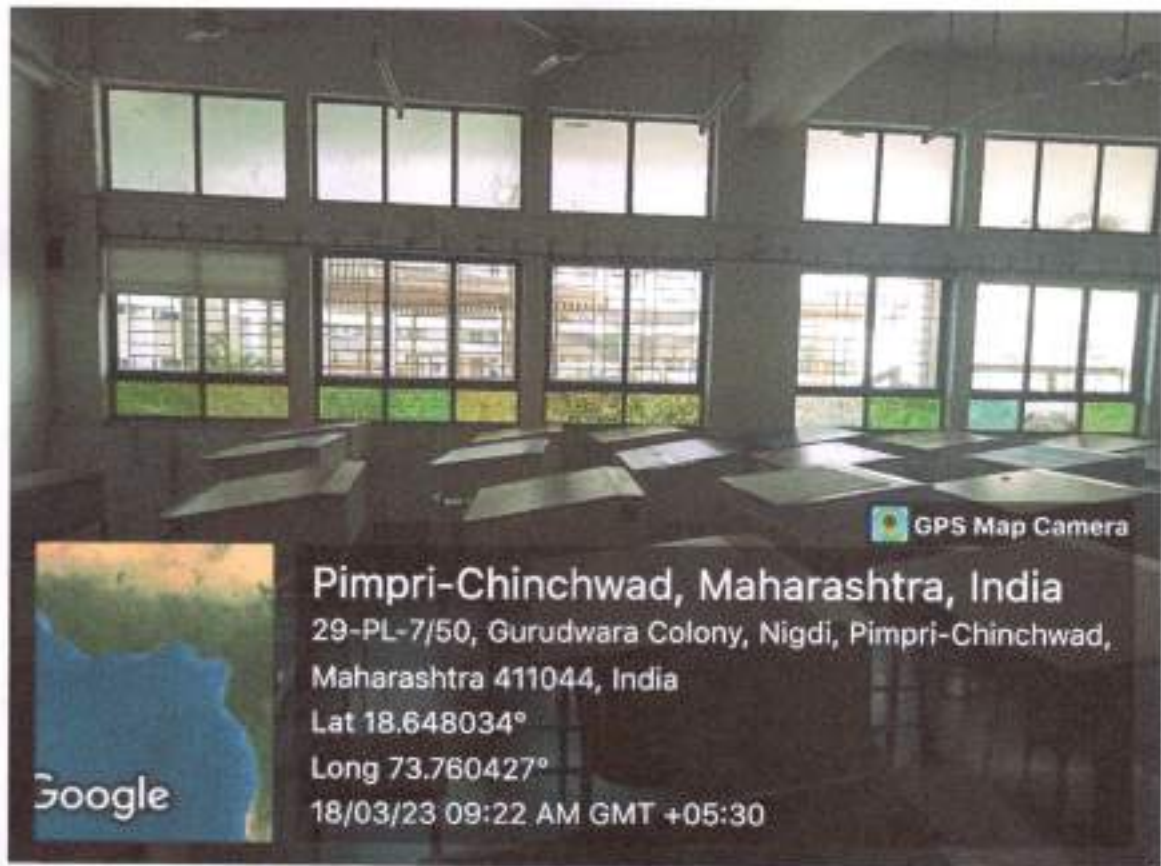
According to Science, we know natural light is more efficient in comparison of artificial light. In Major part of campus, daylight access in rich amount throughout day to studios, lecture hall, administration area, staff room, corridor and toilets etc.

Daylight reducing electrical load because lights are not used when daylight receive in rich amount. College has large window façade and fanlight in studios and lecture hall.

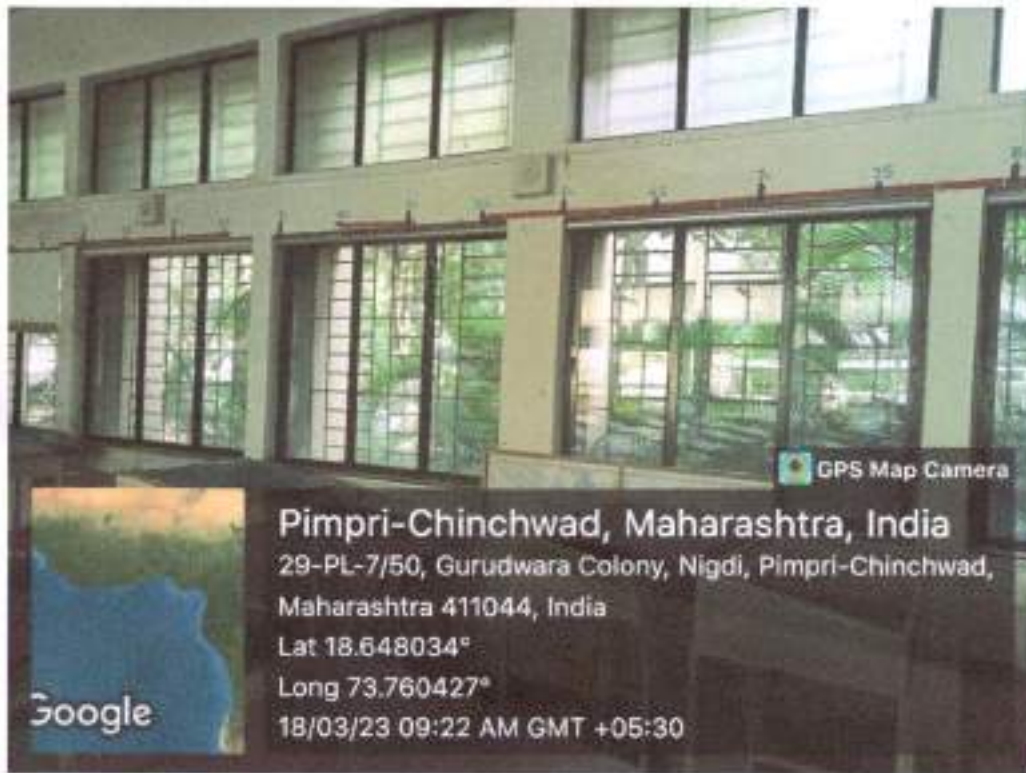
College campus is planned on central based courtyard and high ceiling height through this passive technique corridor doesn't required electrical lighting in working hours except exceptional case.

College has used special type of roller blind for window dressing for controlled daylight ingress.

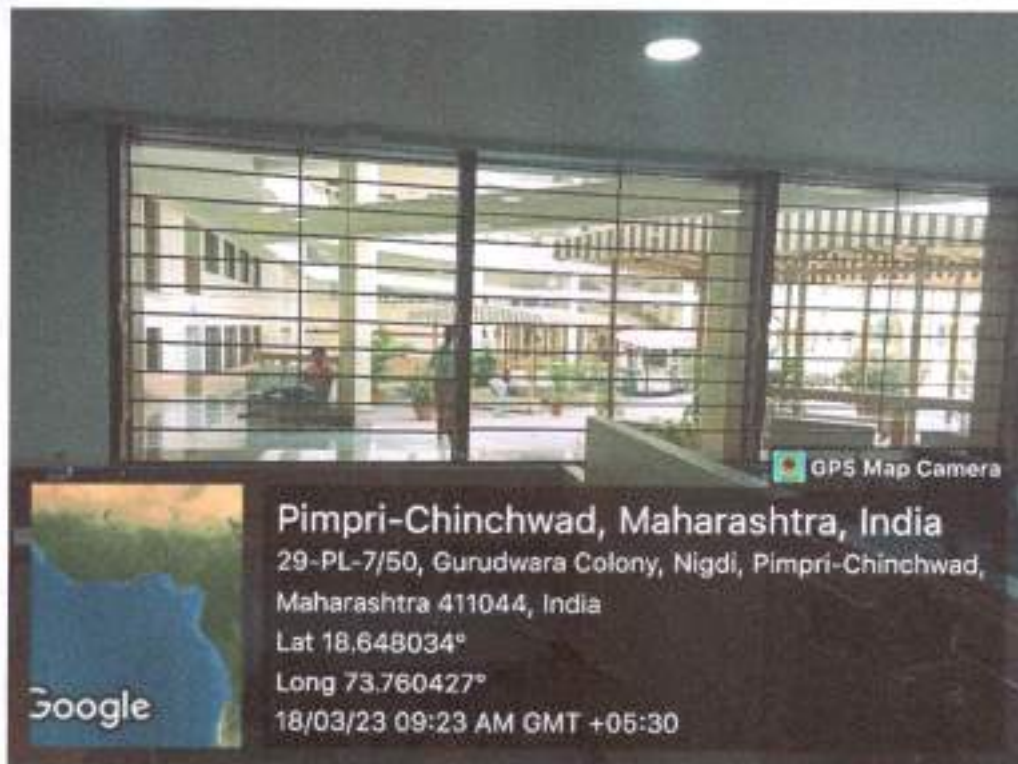
Through this initiative we save electricity.



Studios receives Daylight from window level and fanlight level.

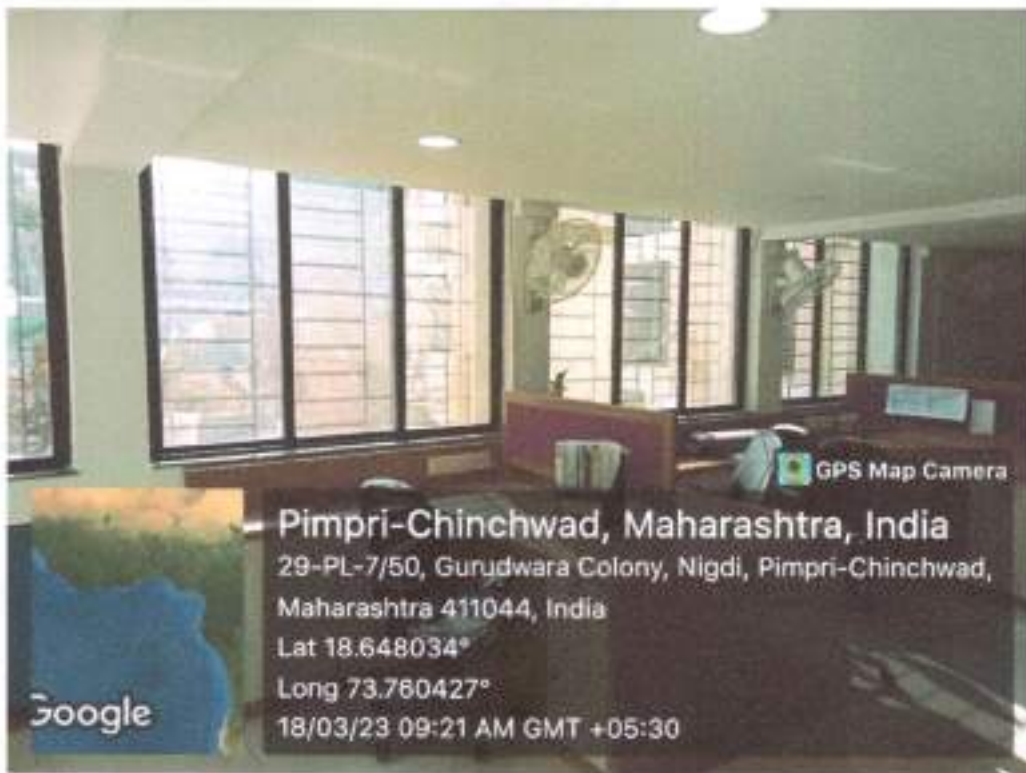


Studios receives Daylight from window level and fanlight level.



Administration Area receiving daylight in excess amount through large window opening.





Staff room receiving natural light through large window opening.



For control daylight ingress use roller blind as window dressing.

  
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Akurdi Pune

## D. Use of Dimming Sensor

College campus has adopting technology vigorously, For saving in electrical energy college campus has installed dimming sensor in LED light. In campus has different types of requirement like studios, lecture hall etc. In these type of infrastructure, we have control on electricity like- if class is going on then electric consumption is start but when no one in the class every electrical appliance in switch off manually. This type of function has followed in every space except toilets and corridor, where movement is frequent. Energy saving from these type of spaces are challenging. Campus has adopted technology of motion sensor. We installed dimming sensor (electronic circuit) in LED tube.

**How it's work-** Electronic circuit device named as dimming sensor installed in lighting fixture, after installation sensor catch human movement. When any human movement around the lighting fixture then light brightness level is increases and when there is no movement in particular space then lighting fixture is dimmed (functioning like fan regulator) through this electronic device we save lot of energy.

- Dimming Sensor is installed in Male and Female toilets at ground floor.



Fitting of dimming Sensor at male toilet Ground Floor

## E. Additional Information

College has taking initiative in energy conservation, literacy and consciousness between among students, faculties, staff members and visitor's through various signboard, slogan at strategic location.

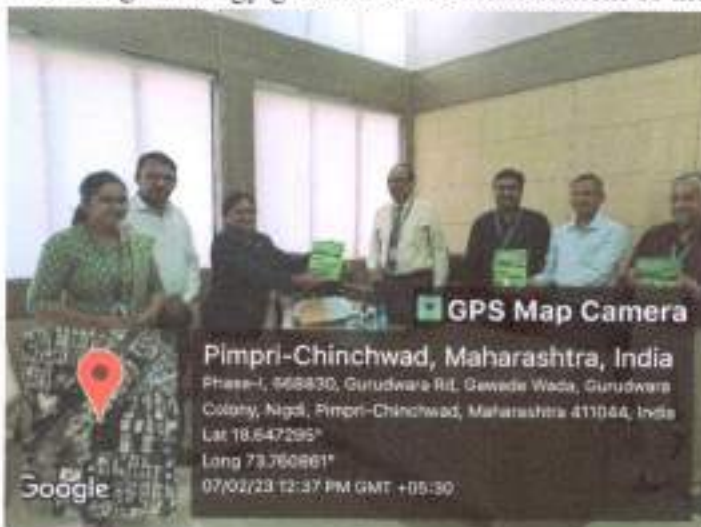
Faculties of DYPCOA published a book on "Green Energy and Sustainable Development" to educate people.

Faculties associated in book- Ar. Abhinav Srivastav, Ar. Madhavi Karangale

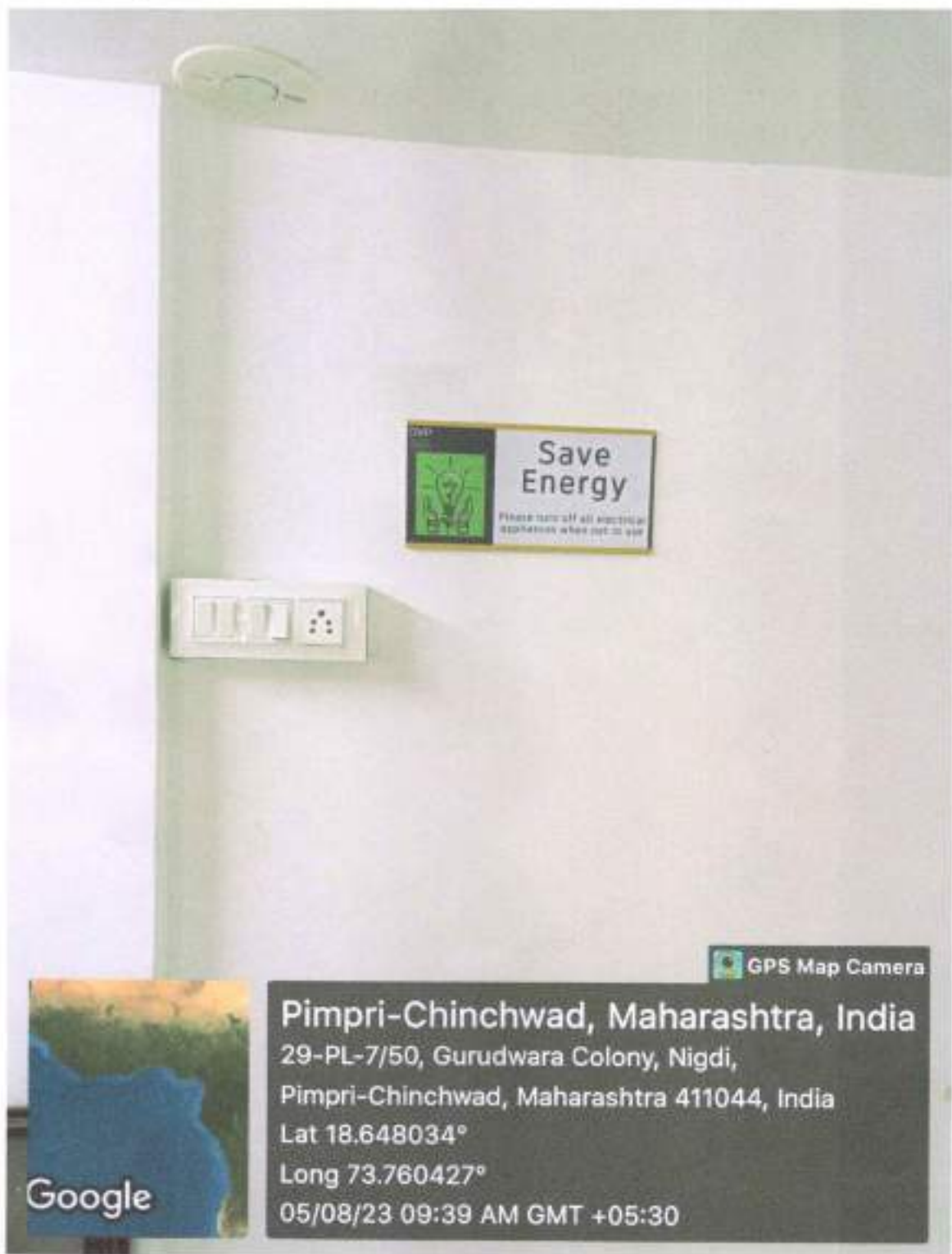


Cover page of published book- **Green Energy and Sustainable Environment**- Alpha International Publisher/ ISBN-978 93 95978 93 4

Book is based on various types renewable energy resources, Solar Energy, Wind Energy and Bio-gas Energy generation are main content of the book.



Geotagged Photograph of Book reveal ceremony.

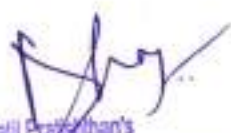


Geotagged photograph of signage of save electricity in every classroom & staffroom.

  
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Akurdi Pune



Geotag Photograph of "save energy" signage at administrative office.

  
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Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune



Geotag Photograph of "save energy" signage at studios.

  
Dr. D. Y. Patil Pratishthan's  
Padmashree Dr. D. Y. Patil College of Architecture,  
Akurdi Pune



Geotag Photograph of "save energy" signage at studios.

## 7.1.2

### **Environmental Consciousness and Sustainability and Divyangjan friendly Initiative**

The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
- 2. Management of the various types of degradable and non-degradable waste**
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment



**Criterion 7 – Institutional Values and Best Practices**

**Key Indicator - 7.1.2 Institutional Values and Social Responsibilities  
Environmental Consciousness and Sustainability and Divyangjan Friendly Initiative**

**7.1.2.2 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste**

Sr. No.	Contents (Documents)
<b>A</b>	<b>Solid waste Management</b>
1	Geotags photos of solid waste management
2	Organic Waste Management
<b>B</b>	<b>Liquid waste management</b>
2	Geotagged pic of STP
<b>C</b>	<b>Bio medical waste</b>
1	Geotagged Photographs of Incinerators
<b>D</b>	<b>Additional Information</b>
1	Paperless office Initiative –ERP Software Purchase bills

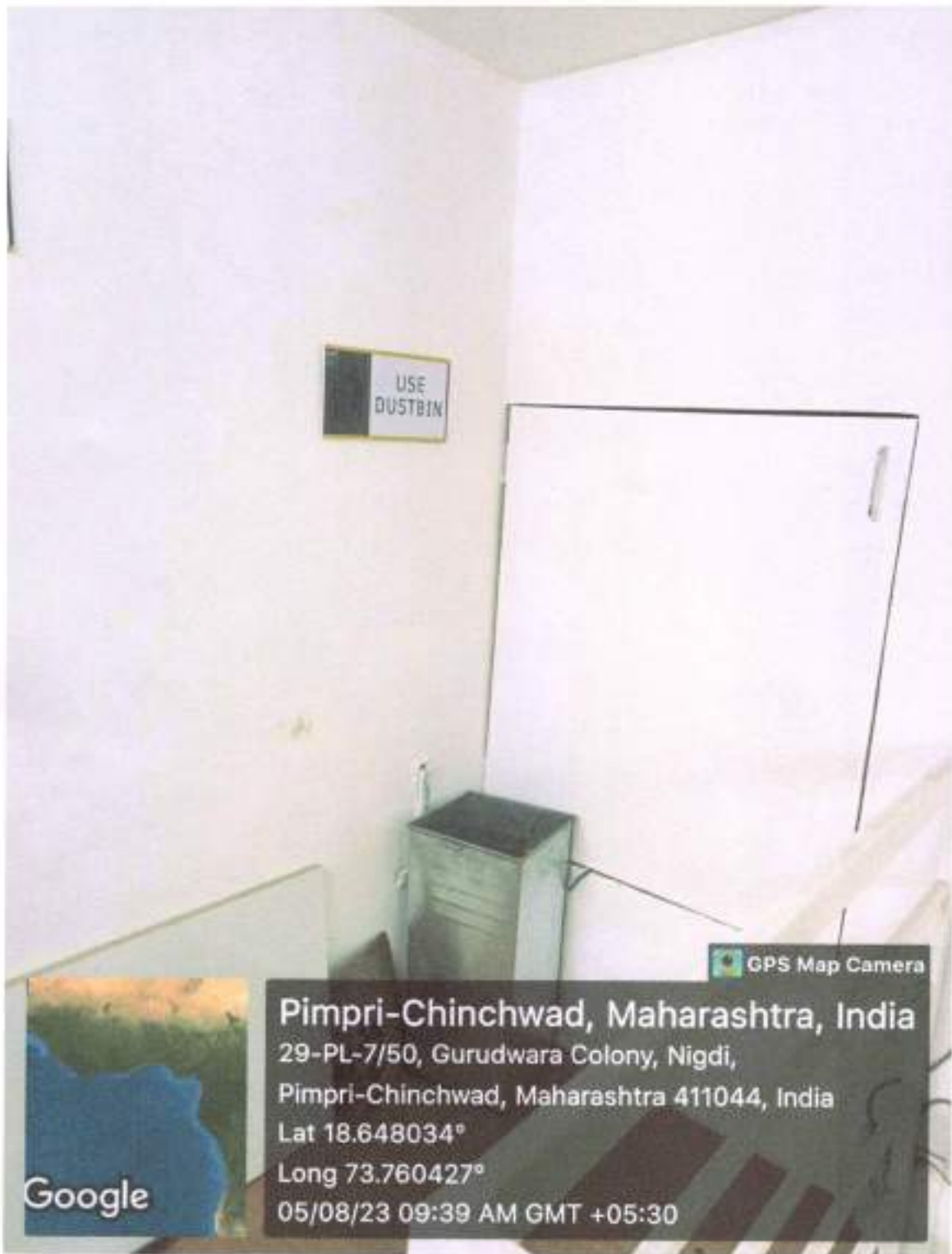
## A. Solid Waste Management

College has taking strong action in waste management. First level college doesn't allow and promote any type of single used plastic. Second level college has system of waste segregation at source point. For achieving second level college has provide segregated waste bin at strategic location in the campus.



Photograph of Waste Collection Bins

The solid waste is segregated at source. Waste collection bins are placed at various points.



Geotagged photograph of use dustbin signage placed at every strategic location.

### Organic Waste Management

D Y Patil Educational Complex area is huge, In complex generate oraganic waste (leaf and plant leaves ) in big amount. College campus generate organic fertilizer through this organic waste with the help of vermicompost unit.

D Y Patil Educational Complex installed vermicompost unit for managing organic waste of campus. The output of this unit is used in development of campus landscape.



Geotagged photograph of vermicompost unit at D Y Patil Educational complex.



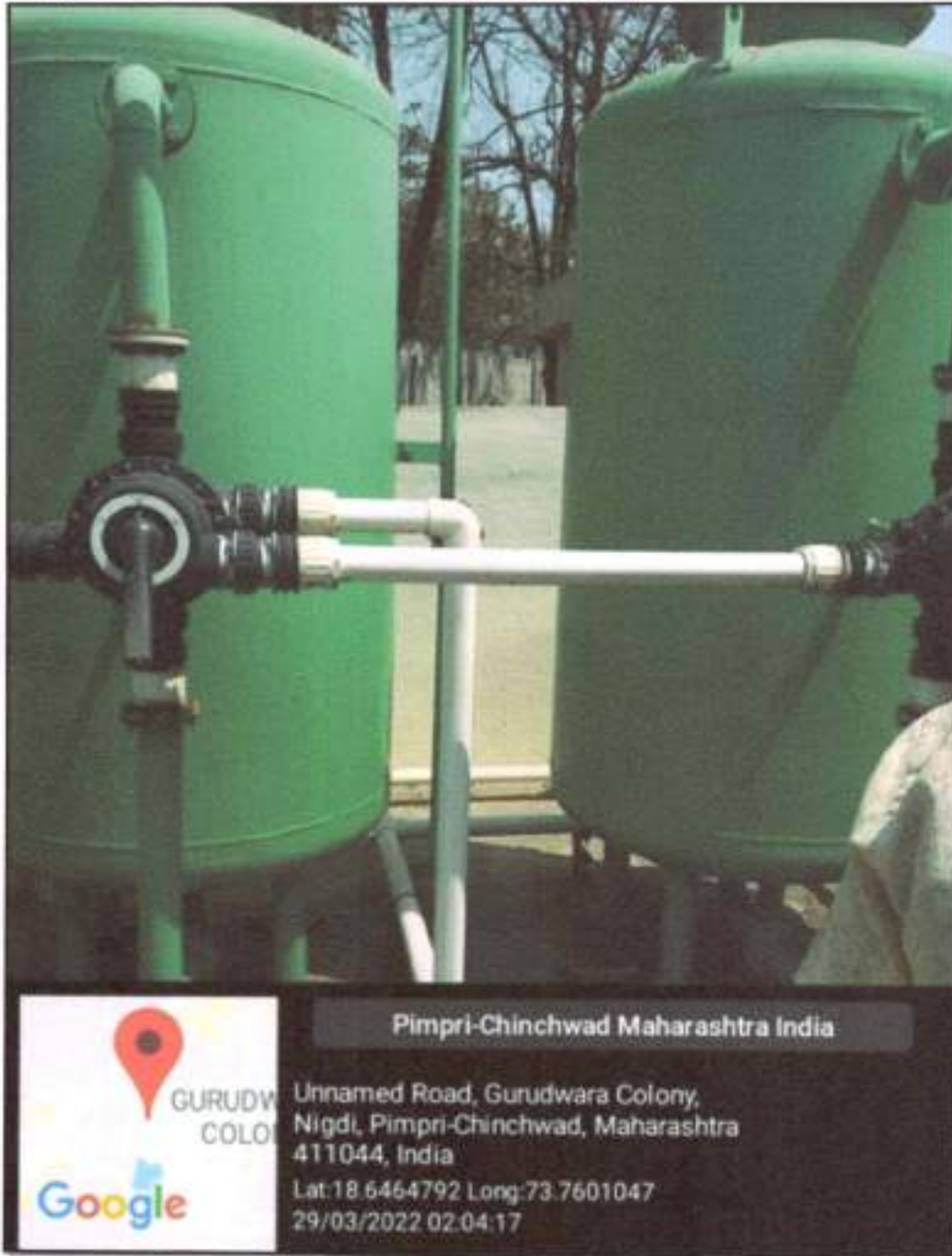
Geotagged photograph of vermicompost unit at D Y Patil Educational complex.



Geotagged photograph of vermicompost unit at D Y Patil Educational complex

## B. Liquid Waste Management

The College has installed Sewage Treatment Plant of capacity **100 KLPD** (Source-Energy Audit). The treated water is used for gardening purpose.

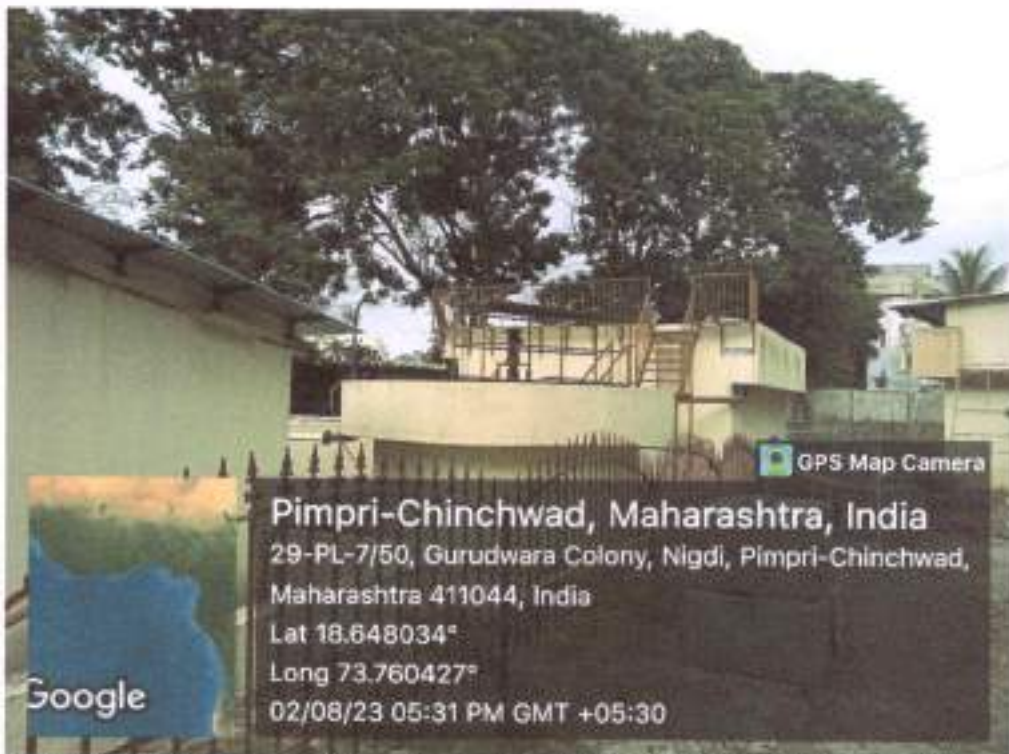


Photograph of Sewage Treatment Plant

  
Dr. D Y Patil Pratishthan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune



Geotagged photograph of Sewage treatment plant at D Y Patil Educational Complex.



Geotagged photograph of Aeration tank in STP at D Y Patil Educational Complex.

### C. Bio-medical Waste Management

As we know female have mensuration cycle. In this time period they generate bio-medical waste. College strength in ratio of male female is half. To manage of this type of waste is very challenging for institute. For managing bio-medical waste college has installed incinerator in Female toilet at college campus.

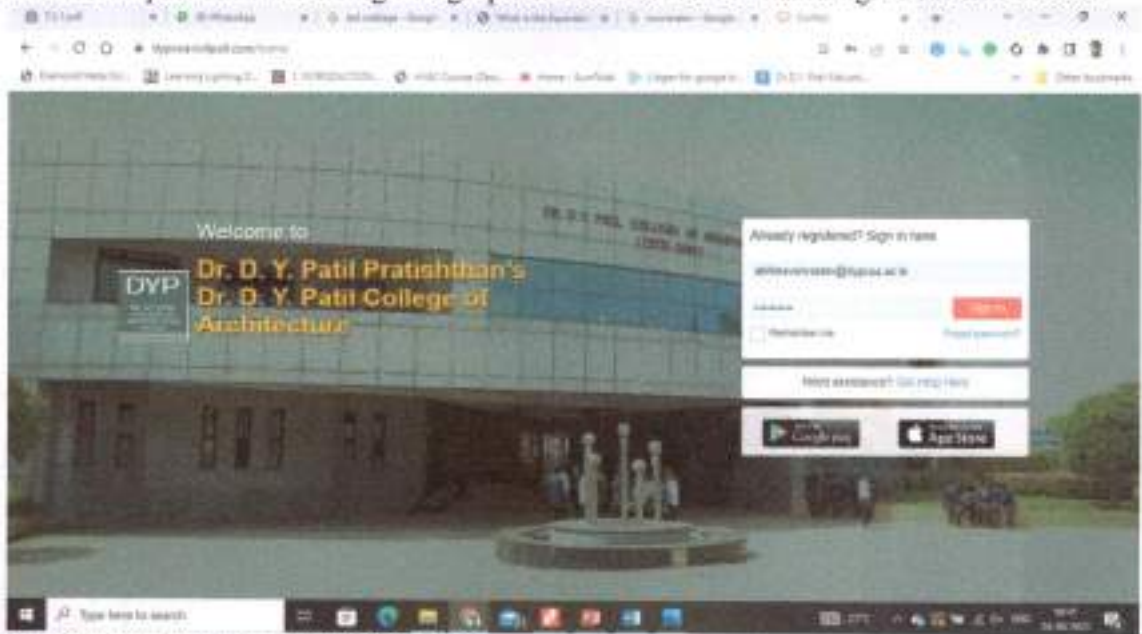


Geotagged photograph of incinerator at female toilet of college campus.

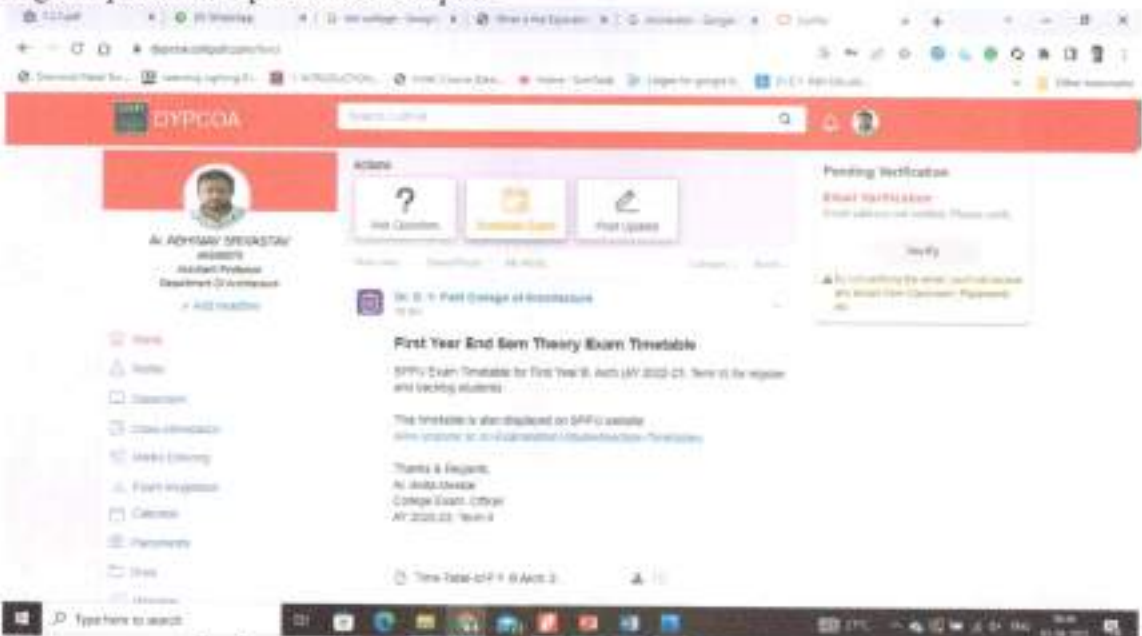


## D. Additional Information


For reducing amount of paper college has purchased an erp software collpoll. Through this portal every employee got separate section. On this portal students can also check their performance, even through this portal we can connect to student's guardian. Portal can provide interesting infographics for better understanding of student's data.



Sign in portal of erp software collpoll.



Welcome portal of erp software collpoll.

  
 Dr. D. Y. Patil Pratishthan's  
 Padmashree Dr. D. Y. Patil College of Architecture,  
 Akurdi Pune

ERP portal Collpoll consists the task-

- Student Attendance
- Student Performance
- Student Information
- Attendance Notification
- Performance Notification
- Faculty Attendance
- Subject CO PO Analysis
- Faculty Leave Application
- Faculty Information
- Staff Attendance
- Staff Leave Application
- Notice portal
- University notification
- Event schedule
- Placement relevant Information
- Link to University forms
- Fees payment

Faculties, Students and staff member can access collpoll account through authorized Email id and Pssword.

Collpoll is available on direct web portal and download mobile application android and ios through Google Play store application.



**DR.D.Y.PATIL COLLEGE OF ARCHITECTURE**  
 SECTOR NO. 29 BEHIND AKURDI RLY  
 STN. NIGDI-PRADHIKARAN  
PUNE

**COLLPOLL ERP & OTHERS SOFTWARE EXP.**  
 Ledger Account

1-Apr-2019 to 18-Feb-2023

Date	Particulars	Vch Type	Vch No.	Debit	Page 1 Credit
11-3-2021	Cr <b>ADVANCE TO CONTACTOR</b> <i>BILL RECEIVED COLL POLL BUTTERFLY INNOVATIONS PVT LTD INVOICE NO. 001 FOR THE YEAR 15.08.2019 TO 14.08.2020</i>	Journal	411	2,18,477.00	
				2,18,477.00	
	Dr <b>Closing Balance</b>				2,18,477.00
				2,18,477.00	2,18,477.00
1-4-2021	Cr <b>Opening Balance</b>			2,18,477.00	
10-12-2021	Cr <b>(as per details)</b>	Payment	297	2,21,167.00	
	TDS RECEIVABLE	1,553.00 Cr			
	TDS RECEIVABLE	1,679.00 Cr			
	TDS DEDUCTED ON PROFESSIONAL FEE	2,924.00 Cr			
	PUNJAB NATIONAL BANK	1,11,511.00 Cr			
	ADVANCE TO CONTACTOR	1,03,500.00 Cr			
	<i>ONLINE PAYMENT PAID TO COLL POLL/ BUTTERFLY INNOVATION PVT LTD FOR COLLPOLL ERP SYSTEM CHARGES BILL NO. 02 ( FROM 15.08.2020 TO 14.08.2021)</i>				
				4,39,644.00	
	Dr <b>Closing Balance</b>				4,39,644.00
				4,39,644.00	4,39,644.00
1-4-2022	Cr <b>Opening Balance</b>			4,39,644.00	
14-10-2022	Cr <b>(as per details)</b>	Payment	399	2,57,299.00	
	TDS DEDUCTED ON PROFESSIONAL FEE	4,361.00 Cr			
	PUNJAB NATIONAL BANK	2,52,938.00 Cr			
	<i>CHQ. NO. 731553 PAYMENT PAID TO COLLPOLL BUTTERFLY INNOVATION PVT LTD FOR ERP SOFTWARE SUBSCRIPTION FEES AY 15.08.2021 TO 14.08.2022 BILL NO.</i>				
				6,96,943.00	
	Dr <b>Closing Balance</b>				6,96,943.00
				6,96,943.00	6,96,943.00

  
 Dr. D.Y. Patil Prateekhan's  
 Padmashtree Dr. D.Y. Patil College of Architecture,  
 Akurdi Pune



DR. D.Y. PATIL PRATISHTHAN'S  
DR. D. Y. PATIL COLLEGE OF ARCHITECTURE  
Sector 29, Behind Akurdi Rly Stn, Pradhikaran, Pune - 411 044.

Approved by Council of Architecture, New Delhi  
Affiliated to Savitribai Phule Pune University No. - PU/PN/Arch/154/2000 - AISHE Code : C-41741  
Ph : 020 27654501, 2765 4468 Fax : 020 2765 4501  
Website: www.dypcoa.org, E-mail: mh32dypcoa@rediffmail.com

Padmashree Dr. D.Y. Patil (M.A.,LL.B.,Ph.D.)  
Founder President

Dr. Sanjay D.Patil  
President



Shri.Satej alias Bunty D.Patil  
Vice -President & Chairman

Ar. Dhananjay Chaudhari  
Principal

Ref.No.:DYP/COA/2021-22/2345

**PURCHASE ORDER**

Date: 25/03/2022

M/s. Coll Poll (Butterfly Innovation Pvt. Ltd.) Koramangala, Bengaluru, Karnataka-560095.		P.O. No : Indent No : Department : Architecture Quotation No : Date:	Date:-	
Dear Sir, With reference to the as per approval note dt.29.01.2019, we are pleased to give you this purchase order for one year starting from 15 <sup>th</sup> August 2021 to 14 <sup>th</sup> August 2022.				
Sr. No.	Description of Items	Quantity	Rate (Rs.)	Amount (Rs.)
1	COLLPOLL System for D Y Patil College of Architecture (First year to Fifth yr. B. Arch. & ( First and Second Year M. Arch.)	Enrolled Students:- A.Y. 2021-22 =623	Per Students Per Year INR 350/-	2,18050
			<b>Total</b>	<b>2,18050</b>
			<b>GST 18%</b>	<b>39,249</b>
			<b>Grand Total</b>	<b>2,57,299</b>
(Total value of this order is Rs. Two Lakh Fifty Seven Thousand Two Hundred Ninety Nine Rupees only)				
<b>Terms &amp; Conditions :-</b>				
5. Total Payment against Tax Invoice. 6. GST Taxes Extra as mentioned.				
For Dr D Y Patil College of Architecture				
 Ar. Dhananjay Chaudhari Principal		 24/3/22 Dr. Neeraj Vyawahare Incharge Campus Director Dr D Y Patil Educational Complex, Akurdi, Pune -44		

Dr. D.Y. Patil Pratishthan's  
Padmashree Dr. D.Y. Patil College of Architecture,  
Akurdi Pune

Invoice Date	: 22-23/074/DCA/03	Place Of Supply	: Maharashtra (27)
Terms	: 04/07/2022		
Due Date	: Due on Receipt		
	: 04/07/2022		

**Bill To**

**D.Y. Patil College of Architecture**  
 Sector 29, Nigdi Pradhikaran,  
 Akurdi,Pune411044Maharashtra India

S.No.	Item & Description	Users	Rate	Amount
1	Subscription Cost for AY 2021-22 1st Installment due on 15th August 2021 SAC: 997331	623	175.00	1,09,025.00
2	Subscription Cost for AY 2021-22 2nd Installment due on 15th November 2021 SAC: 997331	623	58.33	36,339.59
3	Subscription Cost for AY 2021-22 3rd Installment due on 15th February 2022 SAC: 997331	623	58.33	36,339.59
	Subscription Cost for AY 2021-22 4th Installment due on 15th May 2022 SAC: 997331	623	58.34	36,345.82

Total In Words  
 Indian Rupee Two Lakh Fifty-Seven Thousand Two Hundred Ninety-Nine  
 Only

Sub Total	2,18,050.00
IGST18 (18%)	39,249.00
<b>Total</b>	<b>₹2,57,299.00</b>
<b>Balance Due</b>	<b>₹2,57,299.00</b>

Thanks for your business.

Bank Name : Yes Bank Limited
Branch Address : Jayanagar, Bengaluru
Current A/c No. : 019784000000411
Swift Code : YESBINBB
IFSC Code : YESB0000197

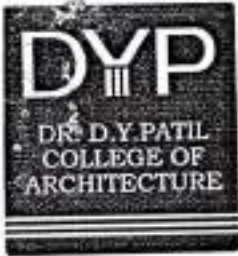
For Butterfly Innovations Private Limited



Finance Manager

Terms & Conditions  
 As per the Work Order or signed Service Level Agreement as applicable

*(Signature)*  
 Dr. D Y Patil Pratishthan's  
 Padmasree Dr. D Y Patil College of Architecture,  
 Akurdi Pune



DR. D. Y. PATIL PRATISHTHAN'S  
DR. D. Y. PATIL COLLEGE OF ARCHITECTURE

Sector 29, Behind Akurdi Rly Stn, Pradhikaran, Pune - 411 044.

Approved by Council of Architecture, New Delhi  
Affiliated to Savitribai Phule Pune University No. - PU/PN/Arch/154/2000 - AISHE Code : C-41741  
Ph : 020 27654501, 2765 4468 Fax : 020 2765 4501  
Website: www.dypcoa.org. E-mail: mh32dypcoa@rediffmail.com

Padmashree Dr. D.Y. Patil (M.A.,LL.B.,Ph.D.)  
Founder President

Dr. Sanjay D.Patil  
President

Shri. Satej alias Bunty D.Patil  
Vice - President & Chairman

Ar. Dhananjay Chaudhari  
Principal

Ref.No.:DYP/COA/ 30 96/2021-22

**PURCHASE ORDER**

Date: 24-5-21

M/s. Coll Poll (Butterfly Innovation Pvt. Ltd.) Koramangala, Bengaluru, Karnataka-560095.	P.O. No : Indent No : Department : Architecture Quotation No : Date:- 24-5-21
---	---

Dear Sir,

With reference to the as per approval note dt.29.01.2019, we are pleased to give you this purchase order for one year starting from 15<sup>th</sup> August 2020 to 14<sup>th</sup> August 2021.

Sr. No.	Description of Items	Quantity	Rate (Rs.)	Amount (Rs.)
1	COLLPOLL System for D Y Patil College of Architecture (Second year to Fifth yr. B. Arch. & M. Arch.)	Enrolled Students:- A.Y. 2020-21 =441+10=451	Per Students Per Year INR 350/-	157850
2	COLLPOLL System for D Y Patil College of Architecture ( First yr. B. Arch. & M. Arch.)	Enrolled Students:- A.Y. 2020-21 =123+22=145	Per Students Per Year INR 204/-	29580
			Total	1,87,430
			GST 18%	33,737
			Grand Total	2,21,167


(Total value of this order is Rs. Two Lakh Twenty One Thousand One Hundred Sixty Seven Rupees only)


**Terms & Conditions :-**

3. Total Payment against Tax Invoice.
4. GST Taxes Extra as mentioned.

For Dr D Y Patil College of Architecture

  
Ar. Dhananjay Chaudhari  
Principal

  
Campus Director (C/c)  
Dr D Y Patil Educational Complex,  
Akurdi, Pune -44

  
Dr. D.Y. Patil Pratishthan's  
Padmashree Dr. D.Y. Patil College of Architecture,  
Akurdi, Pune

**Butterfly Innovations Private Limited**

Registered Office: 378, Sector 10, Gurgaon, Haryana - 122001  
Corporate Office: No. 702, 3rd Floor, 6th A Cross Rd, 3rd Block,  
Koramangala, Bengaluru, Karnataka 560034  
Company ID :: U74900HR2013PTC050006  
PAN: AAFCB5966Q GSTIN: 29AAF5966Q1ZQ  
: Email: payments@collpoll.com Phone: 080 66958833

**Tax Invoice**

#	: 21-22/124/DCA/02	Place Of Supply	: Maharashtra (27)
Invoice Date	: 13/01/2022		
Terms	: Net 15		
Due Date	: 28/01/2022		
P.O.#	: DYPCOA/3096/2021-22		

**Bill To**  
**D.Y. Patil College of Architecture**  
Sector 29, Nigdi Pradhikaran,  
Akurdi, Pune 411044 Maharashtra India

S.No.	Item & Description	Users	Rate	Amount
1	Subscription Cost for AY 2020-21 1st, 2nd, 3rd and 4th Installment for Ay 2020-21 for Second Year to Fifth year students SAC: 997331	451	350.00	1,57,850.00
2	Subscription Cost for AY 2020-21 1st, 2nd, 3rd and 4th Installment for Ay 2020-21 for First year students (for 7 months) SAC: 997331	145	204.00	29,580.00

Amount in Words  
**Indian Rupee Two Lakh Twenty-One Thousand One Hundred Sixty-Seven  
Only**

Thanks for your business.

Bank Name : Yes Bank Limited
Branch Address : Jayanagar, Bengaluru
Current A/c No. : 019784000000411
Swift Code : YESBINBB
IFSC Code : YESB0000197

Terms & Conditions  
As per the Work Order or signed Service Level Agreement as applicable

Sub Total	1,87,430.00
IGST18 (18%)	33,737.40
Rounding	-0.40
<b>Total</b>	<b>₹2,21,167.00</b>
<b>Balance Due</b>	<b>₹2,21,167.00</b>

For Butterfly Innovations Private Limited



Finance Manager

Dr. D Y Patil Prashikhan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune



Dr DY PATIL PRATISHTHAN'S  
DR. D.Y.PATIL COLLEGE OF ARCHITECTURE  
SECTOR NO. 29 NIGDI-PRADHIKARAN, AKURDI, PUNE-44 PHONE NO. 020-27654501

**PURCHASE ORDER**

M/s. Coll Poll (Butterfly Innovation Pvt Ltd.)  
Koramangala, Bengaluru,  
Karnataka-560095.

PO. No : 19 Date : 04/05/2020  
Indent No :  
Department :  
Quotation No : Date: 01.05.2020

Dear Sir,

With reference to the above mentioned quotation, we are pleased to give you this purchase order for one year starting from 15th August 2019.


Sr. No.	Description of Items	Quantity	Rate (Rs.)	Amount (Rs.)
1	COLLPOLL System for D Y Patil College of Architecture ( B. Arch. & M. Arch.)	Enrolled Students:- A.Y. 2019-20 =529+28=557	Per Students Per Year INR 350/-	194,950
			<b>TOTAL</b>	<b>194,950</b>
			<b>GST 18%</b>	<b>35,091</b>
			<b>Grand Total</b>	<b>230,041</b>

(Total value of this order is Rs. Two Lakh Thirty Thousand Forty One Rupees only )

Terms & Conditions :-

1. GST Taxes Extra as mentioned.
2. 5% amount is paid initially.
3. Balance amount will be paid after successful installation, testing and feedback.

For Dr D Y Patil College of Architecture

  
Ar. Dhananjay Chaudhari  
I/c Principal

  
04/08/2020  
Col S K Joshi (Retd.)  
Campus Director  
Dr D Y Patil Educational Complex,  
Akurdi Pune 44

MAtky

  
Dr. D Y Patil Pratishthan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune



# BUTTERFLY INNOVATIONS PRIVATE LIMITED

Registered Office: 378, Sector 10, Gurgaon, Haryana - 122001  
Corporate Office: No. 702, 3rd Floor, 6th A Cross Rd, 3rd Block, Koramangala, Bengaluru, Karnataka 560034

## INVOICE

Client Institute: **D.Y. Patil College of Architecture**  
Sector 29, Nigdi Pradhikaran, Akurdi, Pune - 411044,  
Maharashtra  
GSTIN/UIN: Nil  
State Name: Nil Code: Nil

Invoice No: CP/DYPCOA/001  
Date: 11<sup>th</sup> March 2021

SL No	Particulars	Amount (INR)
1	Subscription Cost for Academic Year 2019-20 (557 users) (15 <sup>th</sup> August 2019 - 14 <sup>th</sup> August 2020)	1,94,950.00
	IGST @ 18%	35,091.00
Rupees Two Lacs Thirty Thousand and Forty One only		<b>TOTAL</b> 2,30,041.00

Terms & Conditions:  
As per the Service Level Agreement Signed

CIN: U74900HR2013PTC050006  
PAN: AAFCB5966Q  
GSTIN: 29AAFCB5966Q1ZQ

Our Bank Details:

Bank Name	: Yes Bank Limited
Branch Address	: Jayanagar, Bangalore
Current A/c No	: 019784000000411
IFSC Code	: YESB0000197

FOR BUTTERFLY INNOVATIONS  
PRIVATE LIMITED



Hemant Sahal  
(Authorized Signatory)

  
Dr. D Y Patil Pratishthan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune



DR. D.Y. PATIL PRATISHTHAN'S  
DR. D. Y. PATIL COLLEGE OF ARCHITECTURE  
Sector 29, Behind Akurdi Rly Stn, Pradhikaran, Pune - 411 044.

Approved by Council of Architecture, New Delhi  
Affiliated to University of Pune No. - PU/PN/Arch/154/2000  
Ph : 020 27654501, 2765 4468 Fax : 020 2765 4501  
Website: www.dypcoa.org, E-mail: mh32dypcoa@rediffmail.com

Padmashree Dr. D.Y. Patil (M.A.,LL.B.,Ph.D.)  
Founder President

Dr. Sanjay D.Patil  
President

Shri. Satej D.Patil  
(M.L.C.), Ex. State Home Minister, Maharashtra

Ar. Dhananjay Chaudhari  
Incharge Principal

Ref.No.:DYP/COA/ 73/2019

**PURCHASE ORDER**

Date: 31/05/2019

To,  
**Atom Technologies Limited**  
FT TOWER, 4<sup>th</sup> FLOOR,  
CST NO-256 &257,  
SUREN ROAD, CHAKALA  
ANDHERI (EAST), MUMBAI-400 093

Kind Attn:

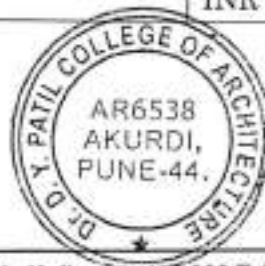
SUB: PURCHASE ORDER FOR INSTALLATION OF IPG & NB.

DEAR SIR/ MADAM,

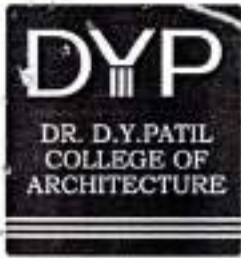
NOT WITH STANDING THE TERMS AND CONDITIONS MENTIONED HEREIN  
BELOW AND THE TERMS AND CONDITIONS OF YOUR PROPOSAL. WE ARE  
PLEASED TO PLACE THIS PURCHASE ORDER WITH YOU FOR:

**Atom Online Payment Services: IPG & NB**

Payment mode	Transaction Charges
Credit Card (VISA/Master/Rupay)	1 % per Transaction *
Debit Card below 2000	Nil
Debit Card above 2000	0.90 % per transaction *
<b>Net Banking</b>	
SBI and Group	INR 16/- per transaction *
ICICI	INR 12/- per transaction *
HDFC	INR 16 /- per transaction *
AXIS	INR 12 / per transaction *
CITI	INR 12 / per transaction *
Other Banks	INR 6 / per transaction *
IMPS	NA
QR Code	1.85 % per transaction *
UPI	INR 9 /- per transaction *



1/2  
  
Dr. D.Y. Patil Pratishthan's  
Padmashree Dr. D.Y. Patil College of Architecture



DR. D.Y. PATIL PRATISHTHAN'S  
DR. D. Y. PATIL COLLEGE OF ARCHITECTURE  
Sector 29, Behind Akurdi Rly Stn, Pradhikaran, Pune - 411 044.

Approved by Council of Architecture, New Delhi  
Affiliated to University of Pune No. - PU/PN/Arch/154/2000  
Ph : 020 27654501, 2765 4468 Fax : 020 2765 4501  
Website: www.dypcoa.org, E-mail: mh32dypcoa@rediffmail.com

Padmashree Dr. D.Y. Patil (M.A.,LL.B.,Ph.D.)  
Founder President

Dr. Sanjay D.Patil  
President

Shri. Satej D.Patil  
(M.L.C), Ex. State Home Minister, Maharashtra

Ar. Dhananjay Chaudhari  
Incharge Principal

Ref.No.:DYP/COA/

Date: 04/04/2019.

To,  
Atom Technologies Limited  
4th Floor, FT Tower, Suren Road  
Chakala, Andheri (E)  
Mumbai- 400 093

**Subject: Bank Account Details**

Sir,

Please credit the payments to the below mentioned Bank Account

**Account Name : Dr. D Y Patil College of Architecture**

**Bank Name : Oriental Bank of Commerce**

**Current A/c No. : 01411131001382**

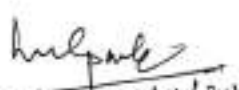
**Branch Address: Dinshaw House, 918, Synagouge Street,  
Pune,Maharashtra-411001**

**IFSC Code: ORBC0100141**

**MICR Code: 411022002**

Yours Faithfully

**Dr. D Y Patil College of Architecture, Akurdi**

  
Authorized Signatory 04/04/2019

Name: Shri. U. R. Deshpande

Designation: Chief Finance Officer



  
Dr. D Y Patil Prasththan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune



ओरिएण्टल बैंक ऑफ कॉमर्स  
ORIENTAL BANK OF COMMERCE

साईनागॉग स्ट्रीट, दिन्शाव हाउस कॅम्प, पुणे - ४११००१  
SYNAGOGUE STREET, DINSHAW HOUSE CAMP, PUNE 411001  
IFSC CODE : ORBC0160141

VALID FOR THREE MONTHS FROM THE DATE

D	D	M	M	Y	Y	Y	Y	Y	Y

PAY कोठारे या धारक को OR BEARER

रुपये RUPEES Five thousand three hundred and thirty

Only अदा करें। ₹ 5300/-

खाता नं  
A/c No.

No 0141 1131001382

For Dr. D. Y. Patil Pratishthan

UFPL  
MCA/2N

सभी शाखाओं पर देय PAYABLE AT ALL BRANCHES

Principal

Director / Trustee  
Please sign above

⑈ 473731 ⑈ 411022002⑈



*[Signature]*  
Dr. D Y Patil Pratishthan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune

## 7.1.2

### **Environmental Consciousness and Sustainability and Divyangjan friendly Initiative**

The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. **Water conservation**
4. Green campus initiatives
5. Disabled-friendly, barrier free environment



**Criterion 7 – Institutional Values and Best Practices**

**Key Indicator - 7.1.2 Institutional Values and Social Responsibilities  
Environmental Consciousness and Sustainability and Divyangjan Friendly Initiative**

**7.1.2.3 Water Conservation Facilities available in the Institution**

<b>Sr. No.</b>	<b>Contents (Documents)</b>
<b>A</b>	<b>Rain Water Harvesting</b>
1	System mapping- rain water harvesting in campus
<b>B</b>	<b>Pressmatic Tap</b>
1	Geotagged pic of Tap
<b>C</b>	<b>Aerator</b>
1	Installation of Aerator
<b>D</b>	<b>Irrigation Method</b>
1	Sprinklers & Drip Irrigation

## A. Rain Water Harvesting

College campus has understand the value of natural resources. For maintaining water table college has taken initiative to catch the water throughout the year and then filter that water after filtration process water directly recharge the ground water.



Satellite image of college campus, red patch shown catchment area of rain water harvesting.

Total quantity of run off

$$Q = C.I.A \text{ (According to National Building Code 2016)}$$

Total catchment area  $A = 570 \text{ sq.m. approx. (Google earth)}$

Co-efficient for concrete slab = .80-.90 (USGBC)

Intensity of rainfall throughout the year = 76.3 cm(0.763 m)

Total quantity of water = 348 m<sup>3</sup> (348000 litre) approx.

Note- value is approx. final value may be differ for environment factor.



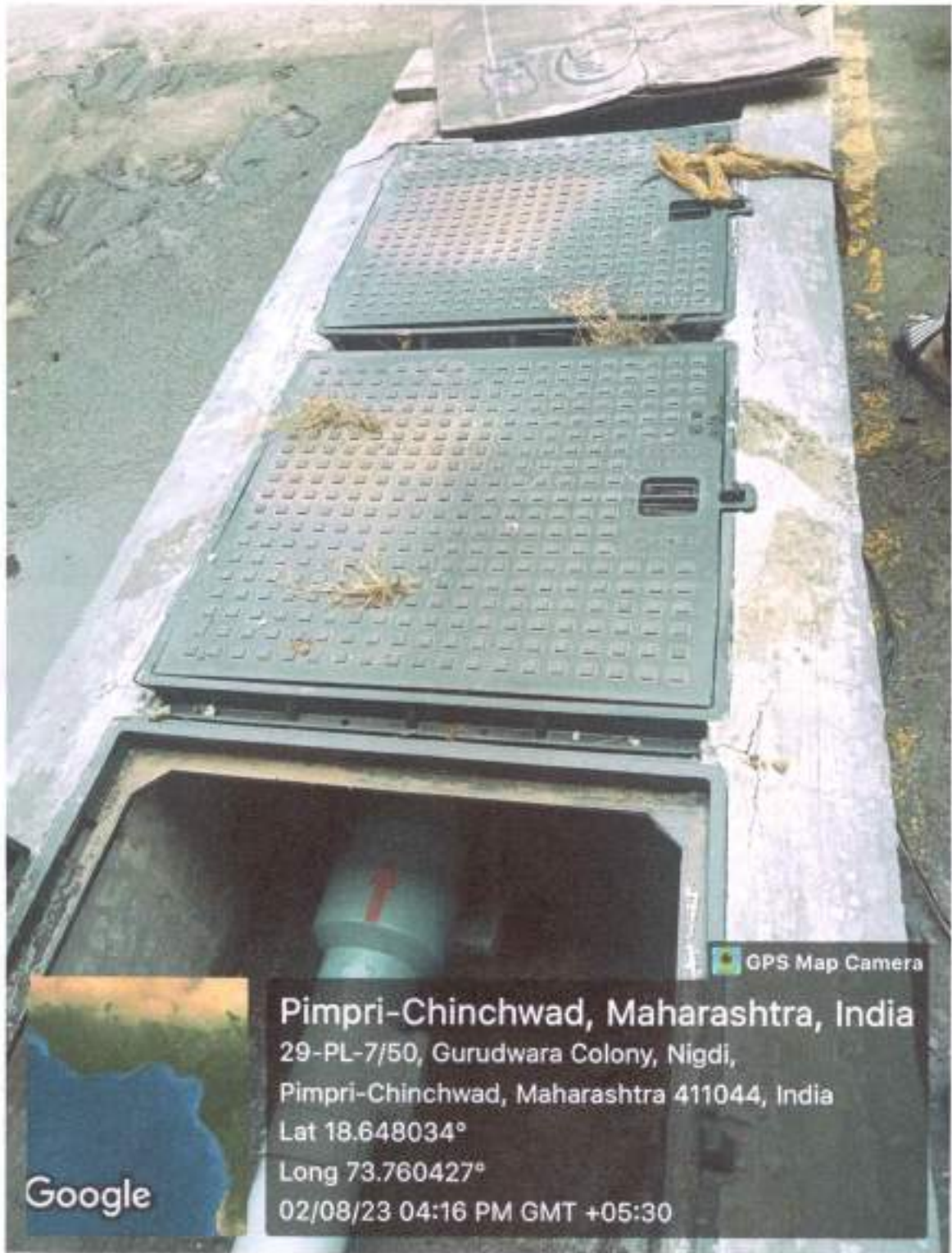
Satellite image shown location of borewell

  
Dr. D Y Patil Pratishthan's  
Padmeshree Dr. D Y Patil College of Architecture,  
Akurdi Pune

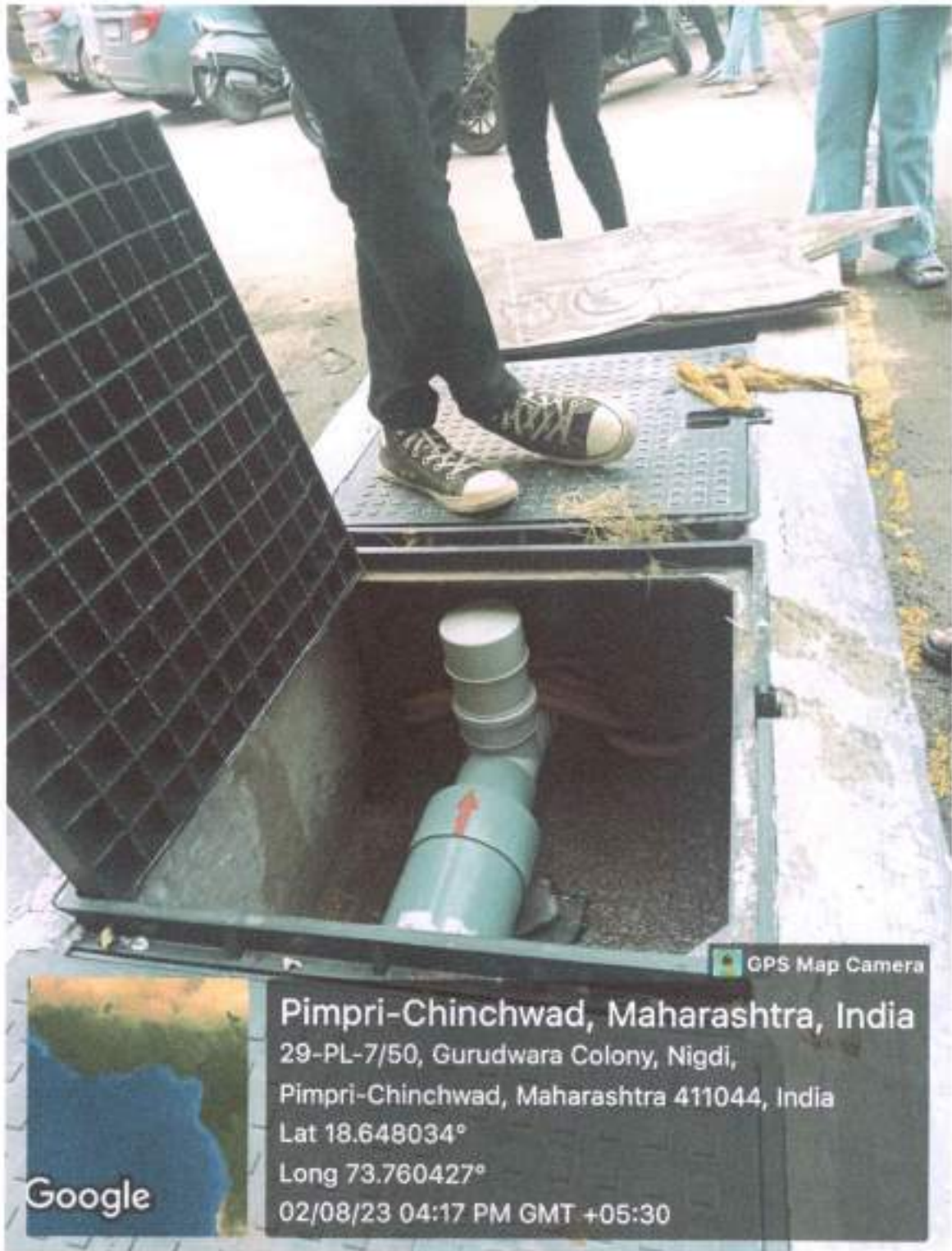


Geotagged picture of downpipe in rain water harvesting system at campus





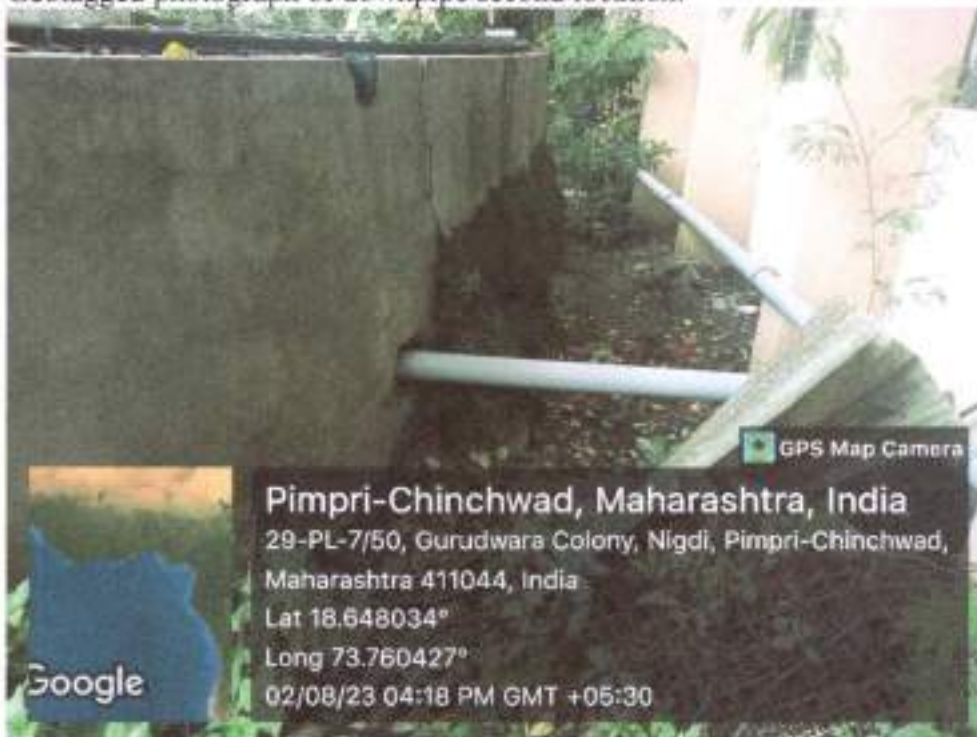
Geotagged picture of rain water harvesting chamber to borewell.



Geotagged Photograph of Filter chamber connected to borewell.



Geotagged photograph of downpipe second location.



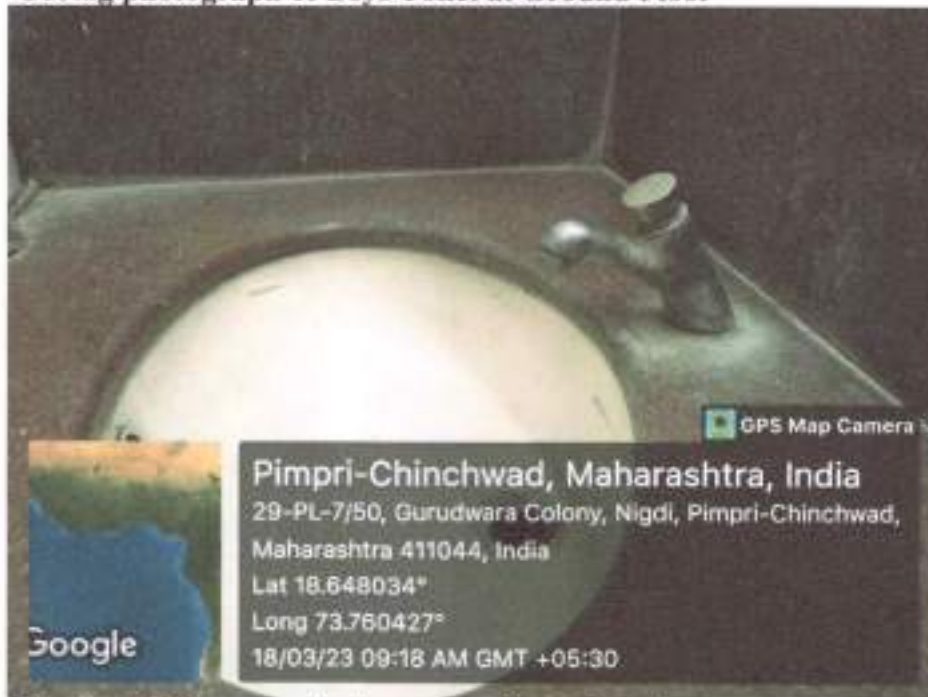
Geotagged photograph of downpipe to well.

## B. Pressmattic Tap

Generally institution building consume the water in the washroom. To avoid waste of water college has installed pressmattic type of faucet in washroom. Through this type of faucet we can control wastage of water because faucet has operate for limited time period after that period faucet automatically turned off.



**Geotag photograph of Boys Toilet at Ground Floor**



**Geotagged Photograph of pressmattic tap in toilets.**

### C. Aerator

Installation of Aerator in faucet is technical initiative by college campus, through this small advancement we can save litres of water from wastage. Aerator decrease the operating time of faucet.

In practical perform by self- before installation of aerator operating time of faucet is around **8 second** (too high) total amount of water discharged approx. 450 ml.

After installation of aerator operating time of faucet is between **1-2 second** and total amount of water discharged approx. 100 ml.



Installation performed by an expert in female toilet at college campus.

  
Dr. D Y Patil Pratishthan's  
Padmashree Dr. D Y Patil College of Architecture,  
Akurdi Pune

## D. Irrigation Method

Dr. D Y Patil Educational Complex have huge green cover **19,425 sq.m.** (measure in Google Earth Pro). For maintain this green cover campus required huge amount of water. To reduce demand of water for gardening college campus adopted sprinklers irrigation for grass cover and drip irrigation for trees and plant.



Geotagged Photograph of sprinklers irrigation system.



Satellite image of campus showing green cover patches.



Geotagged Photograph of Drip Irrigation System for saving water from evaporation.

  
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Akurdi Pune

## 7.1.2

### **Environmental Consciousness and Sustainability and Divyangjan friendly Initiative**

The Institution has facilities and initiatives for-

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. **Green campus initiatives**
5. Disabled-friendly, barrier free environment



**Criterion 7 – Institutional Values and Best Practices**

**Key Indicator - 7.1.2 Institutional Values and Social Responsibilities  
Environmental Consciousness and Sustainability and Divyangjan Friendly Initiative**

**7.1.2.4** The institutional initiatives for greening the campus are as follows


<b>Sr. No.</b>	<b>Contents (Documents)</b>
<b>A</b>	<b>Use of Public and Environment friendly vehicle</b>
1	Geotagged photograph
<b>B</b>	<b>Ban on use of Plastics</b>
1	Notices
2	Geotagged photograph
<b>C</b>	<b>Landscaping with tree and plant</b>
1	Geotag photo
2	Green cover in campus
3	Feeder Installation
<b>D</b>	<b>Additional Information</b>
1	Environment awareness among students- Thesis project List
2	Shramdan
3	Faculty Publication

### A. Use of Public and Environment Friendly Vehicle

College understanding environment seriousness, For helping environment college scheduled duty time according to local train with buffer time space because distance of railway station from college campus under 2 km.

UP LOCAL TRAINS		
TRAIN NO	FROM-TO	AKURDI TIMING
01552	PUNE-LONAVALA	00:43
01554	PUNE-LONAVALA	05:13
01556	PUNE-LONAVALA	06:13
01558	SVJR-LONAVALA	06:58
01584	PUNE-TALEGAON	07:16
01560	SVJR-LONAVALA	08:33
01586	PUNE-TALEGAON	09:21
01562	PUNE-LONAVALA	10:25
01564	PUNE-LONAVALA	11:45
01566	PUNE-LONAVALA	15:28
01588	SVJR-TALEGAON	16:10
01568	PUNE-LONAVALA	16:53
01570	SVJR-LONAVALA	17:38
01572	PUNE-LONAVALA	18:31
01574	SVJR-LONAVALA	19:34
01576	SVJR-LONAVALA	20:28
01578	PUNE-LONAVALA	21:05
01580	SVJR-LONAVALA	21:27
01582	PUNE-LONAVALA	22:38
01590	PUNE-LONAVALA	23:48

Local train time table for up direction at Akurdi Railway Station

 **DOWN LOCAL TRAINS**

TRAIN NO	FROM-TO	AKURDI TIMING
01581	LONAVALA-PUNE	00:22
01583	TALEGAON-PUNE	00:50
01551	LONAVALA-PUNE	06:02
01553	LONAVALA-SVJR	07:12
01585	TALEGAON-PUNE	08:03
01555	LONAVALA-PUNE	08:09
01557	LONAVALA-PUNE	09:02
01587	TALEGAON-PUNE	10:12
01559	LONAVALA-SVJR	10:47
01561	LONAVALA-PUNE	15:32
01563	LONAVALA-SVJR	16:12
01589	TALEGAON-PUNE	16:55
01565	LONAVALA-SVJR	18:12
01567	LONAVALA-SVJR	18:50
01569	LONAVALA-PUNE	19:41
01571	LONAVALA-SVJR	20:17
01573	LONAVALA-PUNE	21:22
01575	LONAVALA-PUNE	22:22
01577	LONAVALA-PUNE	22:47
01579	LONAVALA-SVJR	23:13

Local train table for down direction at akurdi railway station  
According to time table train no.- 01586 and 01557 are suitable in the morning. 01570 and 01565 are suitable in evening.



List of faculties, and staff travel through local train & carpool-

S. No.	Name	Post
1	Ar Anagha Pathak	Faculty
2	Ar Poornima Chitale	Faculty
3	Mr Prakash Kamble	Staff
4	Mr Vinod Mohite	Staff
5	Mr Ranjit Podwal	Staff
6	Ar Parul Rajvi & Ms. Shruti Seth – Carpooling	

Most of them students stay near within 2 km radius, they attend college by walk and few students come through cycle.



Students from 1st year

**Date: 01/11/2021**

## **NOTICE**

**This is to inform all teaching staff, non-teaching and students from 1<sup>st</sup> November 2021, DYPCOA has banned the use of single use plastic in the campus, as an initiative towards environment safety.**

**Same has also been circulated in eating outlets of the campus and instruction are given to promote maximum use of non-plastic serving dishes for the users.**



**(Ar. Nupur Chichkhede)**  
**Academic Co-ordinator**



**(Ar. Dhanshaj Chaudhari)**  
**Principal**



## B. Ban on use of Plastic



Geotagged photograph of "Say no to plastic" signage placed at campus corridor area.

  
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### C. Landscaping with Tree and Plant

Campus has very huge green cover with various trees, plants, shrubs, landform and water bodies.



Satellite Image of campus showing green patches.

Source- Google Earth Pro



Satellite image of campus 2017

  
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Satellite image of campus 2018



Satellite image of campus 2019

  
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Satellite image of campus 2020



Satellite image of campus 2021


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Satellite image of campus 2022

**List of Tree planted in campus**

No	Common Name of Tree/Plant	Qty
1	Chafa	52
2	SonChafa	17
3	Pimpal	4
4	Vad	3
5	Umbar	6
6	Gulmohor	34
7	Sisum	5
8	Neem	11
9	Bahava	33
10	Karanj	7
11	Suru	11
12	Kanchan	42
13	Bakul	1
14	Coconut	21
15	Ber	3

  
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Dr D Y Patil Pratishthan's

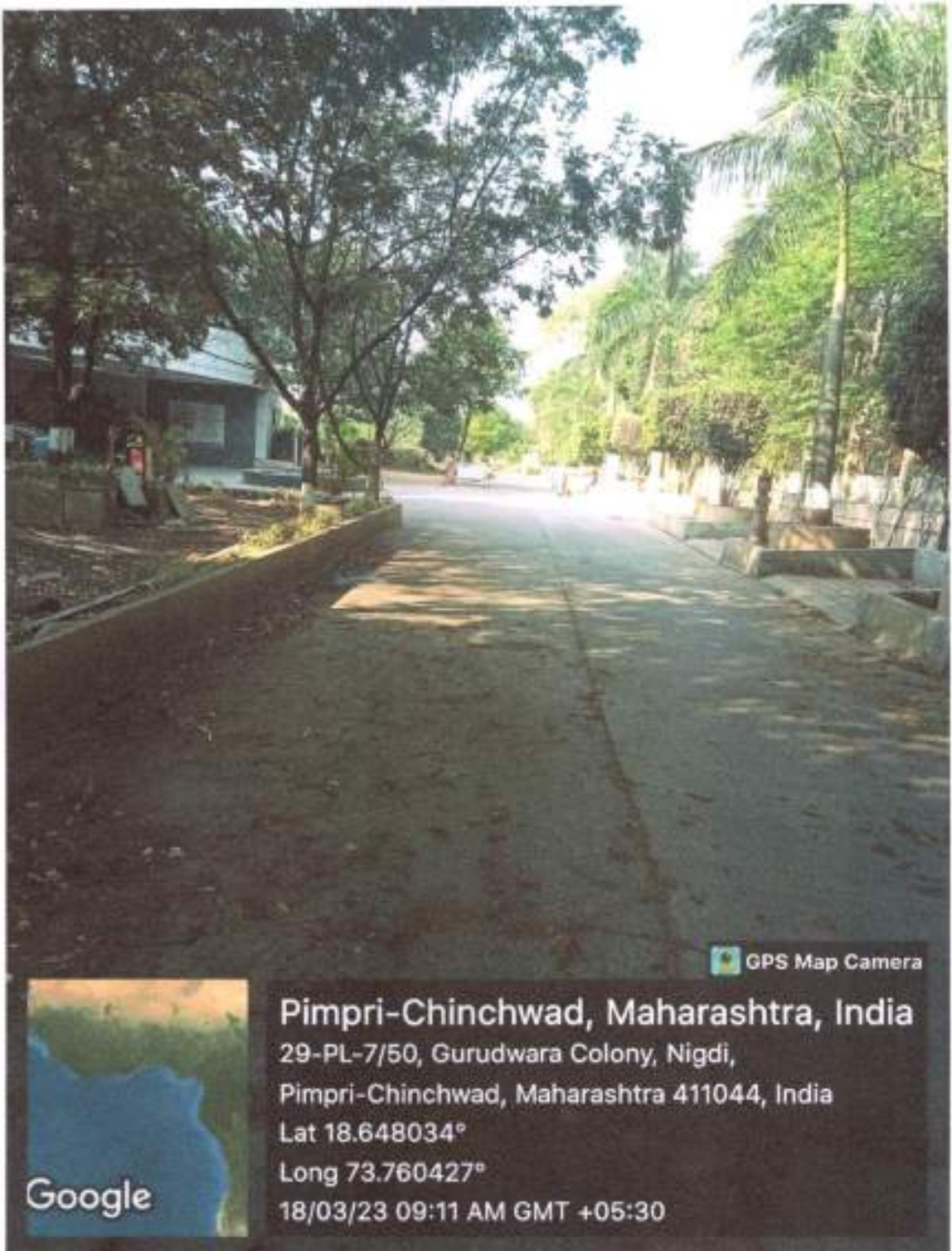
**PADMASHREE DR. D Y PATIL COLLEGE OF ARCHITECTURE**

Sector No. 29, B/h. Akurdi Railway Station, Nigdi Pradhikaran, Akurdi, Pune - 411044

16	Almond	4
17	Jamun	7
18	Jack fruit	2
19	Cashew nut	1
20	Custard Apple	4
21	Guava	7
22	Mango	24
23	Pomegranate	1
24	Drum stick	16
25	Traveller Palm	1
26	Foxtail Palm	20
27	Christmas Tree	18
28	Bottle Palm	66
29	Bottle Brush	25
30	Ficus- Black	45
31	Ficus- Safari	5
32	Spathodium	48
33	Rubber Plant	6
34	Acasia	106
35	Saptapani	46
36	Furn	81
37	Tokomo	5
38	Soilver Oak	26
39	Pentak	12
40	Jatropha	17
41	Lemon	1
42	Arecanut	16
	<b>Total</b>	<b>860</b>

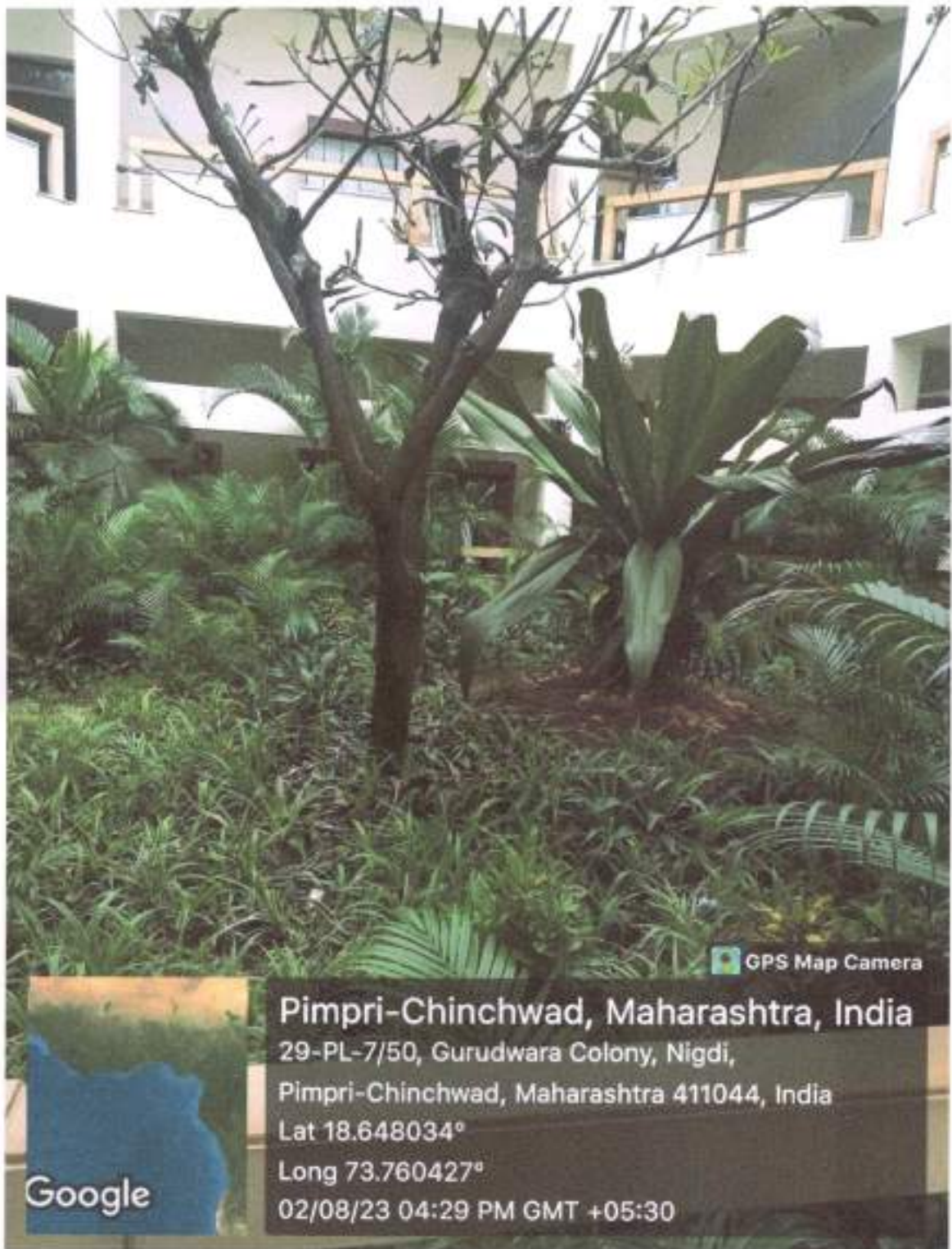
Dr. D Y Patil Educational Complex have several course for these courses they required varies species of plant and trees.

  
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Geotagged photograph of Campus- totally shaded pathway from heavy foliage tree.

  
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Geotagged photograph of green courtyard.

### Feeder Installation-

College has installed feeders for bird and squirrel at various places, Feeder designed by plastic waste through Reduce Reuse Recycle Concept.



Feeders prepared from waste plastic bottles are installed for birds at various places




Provision of water and feed for birds during summer season is done using waste plastic bottles and jars.

  
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## D. Additional Information



Geotagged photograph of "Recycle, Reduce & Reuse" Concept Signage at every strategic location.

  
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## Shramdan- A concept of dignity of labour



**DR. D. Y. PATIL PRATISHTHAN**

Sector 29, Nigdi, Pradhikaran, Akurdi, Pune- 411044, Tel. : (020)27657968,27610101, Fax : (020) 27653857

Padmashree, Dr. D. Y. Patil M. A., C. C. R. W. S.

Trustee

Dr. Sanjay D. Patil  
President

Dr. Satish alias Bantay D. Patil  
Vice President & Chairman

Ref. No. Dr DYP/PR/38/22

Date: 21/12/2022.

### CIRCULAR

#### SHRAMDAN- A CONCEPT OF DIGNITY OF LABOUR

1. In order to promote the sense of self discipline, hygiene, cleanliness and the gratitude towards the work of our housekeeping staff, it has been decided to conduct 'ShramdanHour', once every month, commencing Dec 2022. The activity will be planned and promulgated by Dean Administration DYPEC. The 3<sup>rd</sup> Friday of the month in the quarter would be dedicated for this drive as follows:-

- One Shramdan Hour in the month would be used for Campus level drive.
- The next two Shramdan Hours would be used for cleanliness drive within college/ office spaces.

2. All the teaching and non-teaching staff of the Campus, not on essential duties, (viz classes, practicals, examinations etc) in that promulgated hour, will undertake the cleanliness drive in the designated areas.

3. This Shramdan Hour drive would be undertaken from 4.00pm to 5.00 pm. The first such drive is planned on 23<sup>rd</sup> Dec 2022 (Friday) as Campus level Shramdan Hour, as per the details mentioned below:-

SNo	Grouping of Colleges	Sectors In-charge
(a)	DYPCOE YBPP DYP Junior College of Science and Commerce	Hon Capt Mahadeo Darade, AAO
(b)	DYPCOP DYPIOP DYP Academy	Mr Prashant Pol
(c)	DYPIEMR DYPIU	Mr Prakash Salamwade
(d)	DYPCAAC DYPABM DYPIMCAM DYPCOA	Mr Pawan Kumar

Regd Office - 2126C, 'Srinikethan', Taralal Park, Kolhapur - 416003, Tel. No. 0231-2653266/86/90 Fax No. - 0231-2653426

Common Circular Notice for Shramdan

  
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4. The Principals/ Directors and Deans are requested to disseminate this initiative to the staff in their respective system for necessary implementation.

*[Signature]*  
RAdm Jant Vikram (Retd)  
Campus Director  
Dr D Y Patil Educational Complex  
Akurdi, Pune

To,

- All Principals and Deans,  
Dr D Y Patil Educational Complex, Akurdi, Pune
- CFO, Dr D Y Patil Educational Complex, Akurdi, Pune
- Registrar, DYPIU
- COO, DYP Academy

CC To:

- 1. Hon Shri Satej D Patil — For your information please  
Chairman  
Dr DY Patil Educational Complex,  
Akurdi, Pune
- 2. Mr Tejas S Patil — For your information please  
Trustee  
Dr D Y Patil Pratishthan  
Akurdi, Pune
- 3. Prof Prabhat Ranjan — For your information please  
Vice Chancellor, DYPIU

*1) Separate copy of this is to be circulated for signature just below signature of Campus Director*  
*2) Vaibhav Patil (Non teaching representative) Sandeep Kshirsagar (Teaching representative) Arati Sonawane ( )*  
*Personally informed above team to plan execution in and accordingly at 11:00am meeting on 23/12/2022 via principal*  
*[Signature]*  
*24/12/23*  
*[Signature]*  
*22/12/23*

Common Circular Notice for Shramdan.

*[Signature]*

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### Faculty Publication

Sr. No.	Name of the teacher	Title	Year of publication	ISBN number of the proceeding	Link
1	Ar. Nikhil Mehare	An Urban Built Form and its Microclimate on Urban Heat Island	2022	ISSN 0971-765X	<a href="http://www.envirobiotechjournal.com/article_abstract.php?aid=12610&amp;iid=351&amp;iid=3">http://www.envirobiotechjournal.com/article_abstract.php?aid=12610&amp;iid=351&amp;iid=3</a>

List of faculty publishing research paper related environment



Screenshot of searching research paper on search engine.



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# An Urban Built Form and its Microclimate on Urban Heat Island

Nikhil P. Mehare<sup>1</sup> and Mahendra Joshi<sup>2</sup>

Lovely Professional University, Phagwara, Punjab, India

(Received 20 September, 2021; Accepted 3 October, 2021)

## ABSTRACT

Many elements, such as meteorological factors and city features, contribute to the establishment of urban heat islands. The city parameters, such as low albedo materials, urban geometry, high density, anthropogenic heat, and the like, are the most important factors that are responsible for the formation of it. Urban climate is becoming a complex issue locally and globally. There are many variables such as built environment, design model, urban morphology, density, vegetation cover, building height, orientation, distance between buildings, amount of sunlight on the road surface, wind direction, etc. Street-level velocities play a role in creating the city's thermal microclimate. This paper reviews previously published studies in this paper on the shape of built-up urban morphology and its microclimate on urban heat islands.

**Keywords:** Street Canyon, Sky View Factor, Urban Microclimate, Urban Heat Island

## Introduction

Cities are the engines of growth, owing mostly to the expansion of borders caused by demographic, economic, and infrastructure growth. Because of increased urban temperatures, these results differ in terms of microclimate. Many elements, including shape, shape, urban density, water level, and surface, impact the microclimate of a city open area (Shishegar, 2013). Oke's urban heat island parametric model indicated that increasing population density and urban temperature in city regions. There is a clear link between population expansion and the intensity of urban heat islands. An increase in the amount of energy used to heat and cool buildings (Oke, 1981).

Several studies on outdoor thermal comfort, urban canyon building heights with different objectives, and analysis methods have been carried out in many regions. For example, studies by Oke (1981),

Barring *et al.* (1985), Kusaka and Kimura (2004), Takebayashi and Moriyama (2012), Allegrini *et al.* (2012), Shishegar (2013), Dallman *et al.* (2014), (Gál, 2014), Haizhu *et al.* (2020), M'Saouri El Bat *et al.* (2020); (Mughal *et al.* 2020)

The purpose of this work is to review the literature and current evidence on the morphology of urban buildings and on the geometric aspects of their microclimate. This white paper also focuses on out-



Fig. 1. L, B & H in the canyon and its SVF. Source: (Das, 2013)

(1) Ph.D. Scholar, 2) Professor

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Akurdi Pune  
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Akurdi Pune

## 7.1.2

### **Environmental Consciousness and Sustainability and Divyangjan friendly Initiative**

The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and non-degradable waste
3. Water conservation
4. Green campus initiatives
5. **Disabled-friendly, barrier free environment**

**Criterion 7 – Institutional Values and Best Practices**

**Key Indicator - 7.1.2 Institutional Values and Social Responsibilities  
Environmental Consciousness and Sustainability and Divyangjan Friendly Initiative**

**7.1.2.5.** The institution has disabled-friendly, barrier free environment

<b>Sr. No.</b>	<b>Contents (Documents)</b>
<b>A</b>	<b>Built environment with ramps/lifts for easy access to classrooms</b>
2	Geotagged photograph
<b>B</b>	<b>Disabled-friendly washrooms</b>
1	Geotagged photograph
<b>C</b>	<b>Assistive technology and facilities for persons with disabilities</b>
1	Online software details
2	Corridor & Doors

### A. Built environment with ramps/lifts for easy access to classrooms

College campus are friendly for disabled person, Disable person can access every studio, library and toilets on ground floor without any hurdle. Disable person can access every corner of the campus without any hurdle. College has two storey structure ground and first. Lift are provided near to entrance.



Cast iron ramp on entrance for disabled person



Geotagged photograph of ramp



Ramp provision for in campus movement.

  
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GPS Map Camera

**Pimpri-Chinchwad, Maharashtra, India**

29-PL-7/50, Gurudwara Colony, Nigdi,

Pimpri-Chinchwad, Maharashtra 411044, India

Lat 18.648034°

Long 73.760427°

07/08/23 04:56 PM GMT +05:30

Google

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Padmasree Dr. D Y Patil College of Architecture,  
Akurdi Pune



Prime Lifts Pvt Ltd,

"PRIME HOUSE", S.No 67/3, New Sangvi, Swami Vivekanand Nagar,  
Near Famous Chowk, Pune :- 411027

**PADMASHREE Dr.D.Y. Patil College Of Architecture**

Sector 29, Pradhikaran, Behind Akurdi Rly. Stn. Akurdi, Pune -411044

From Mr. Jalindar Mane  
Telephone 020 27285501  
E-mail sales@primelifts.com  
Reference No. PN 22 360

Date 19.06.23  
Subject Handover of Lift and Contract for Free Maintenance Period for your prestigious project.  
Elevator Contract No. PN 22 360

**Project:- K Building Dr. D.Y. Patil Educational Complex, Akurdi, Pune**

We are delighted to hand over the Prime lifts installed at your subject site for your use.

You will be entitled to free service maintenance for the unit from the date of handing over as per the enclosed contract terms relating to maintenance. The terms of service during free maintenance period are attached for your information and records as Annexure I with this letter.

**1.1.1.1 Details of Equipment – Passenger Lift**

- Number of stops: 02 Capacity : 08 Passenger 544 Kg  
on: 19.06.2023 and ends on: 18.06.2024

**In case of any assistance required from our side due to any technical snag or emergency you may contact 020 – 27285501**


The security person & maintenance person at your project have been trained for handling rescue operation in case of any emergency.

We hope that you will find the above details in order and request you to sign the attached copy of this letter as confirmation of your acceptance.

This elevator required stable, uninterrupted three phase power supply with proper earth & neutral. Request you to operate the lifts only after stable & permanent power supply. Damages, electronic components failure are not covered under free replacement.


Yours sincerely

For & on behalf of

  
Prime Lifts Pvt Ltd


**For Prime Lifts Pvt. Ltd**

**Director**

  
AR. NIKHIL MENARE  
Received & Accepted

22/6/2023

Authorised Signatory

  
Dr. D.Y. Patil Pradhikaran's  
Padmashree Dr. D.Y. Patil College of Architecture,  
Akurdi Pune

College has facility of Wheel Chair in case of emergency and for movement of disabled person. College has adopted technology for disabled person. College has motor based wheel chair, it's helpful in staircase dragging.



Geotag photograph of parking space for disabled person at near entrance.



Geotagged photograph of mechanized wheel chair.

  
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Akurdi Pune

## B. Disabled friendly Washrooms

College understanding difficulties in regular life of disabled person. For making regular life activity of disabled person smoothly college has installed grab bars in every washroom on ground floor for supporting disabled person.



Geotagged Photograph of installation of grab bar at male toilet.



Geotagged Photograph of installation of grab bar at female toilet.

  
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Akurdi Pune

### C. Assistive Technology for Disabled Person


Classification of Disability is tough and different. Another challenge for disabled people is adopt to technology. In disability, every disabled person can easily adopt technology except eye sight disabled. College has reserved two PC for that type of disabilities. These two pc have headphone and pc has installed NV access assistance.



Geotagged photograph of reserved pc for eye sight relevant disabled person.

#### Statement of Purpose for NV Access

1. To facilitate the development of open-source assistive technologies for blind and vision impaired people that are free of charge to the end user.
2. To provide low cost information technology solutions which enhance accessibility for blind and vision impaired people.
3. To act as a fundraising body to support the various projects encompassed by the organisation.
4. To encourage and facilitate contributions to the overall effort of the organisation.
5. To contribute to existing and future efforts aimed at improving accessibility for blind and vision impaired people.
6. To raise awareness and promote the importance of accessibility.

  
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Home screen of NV Access software.



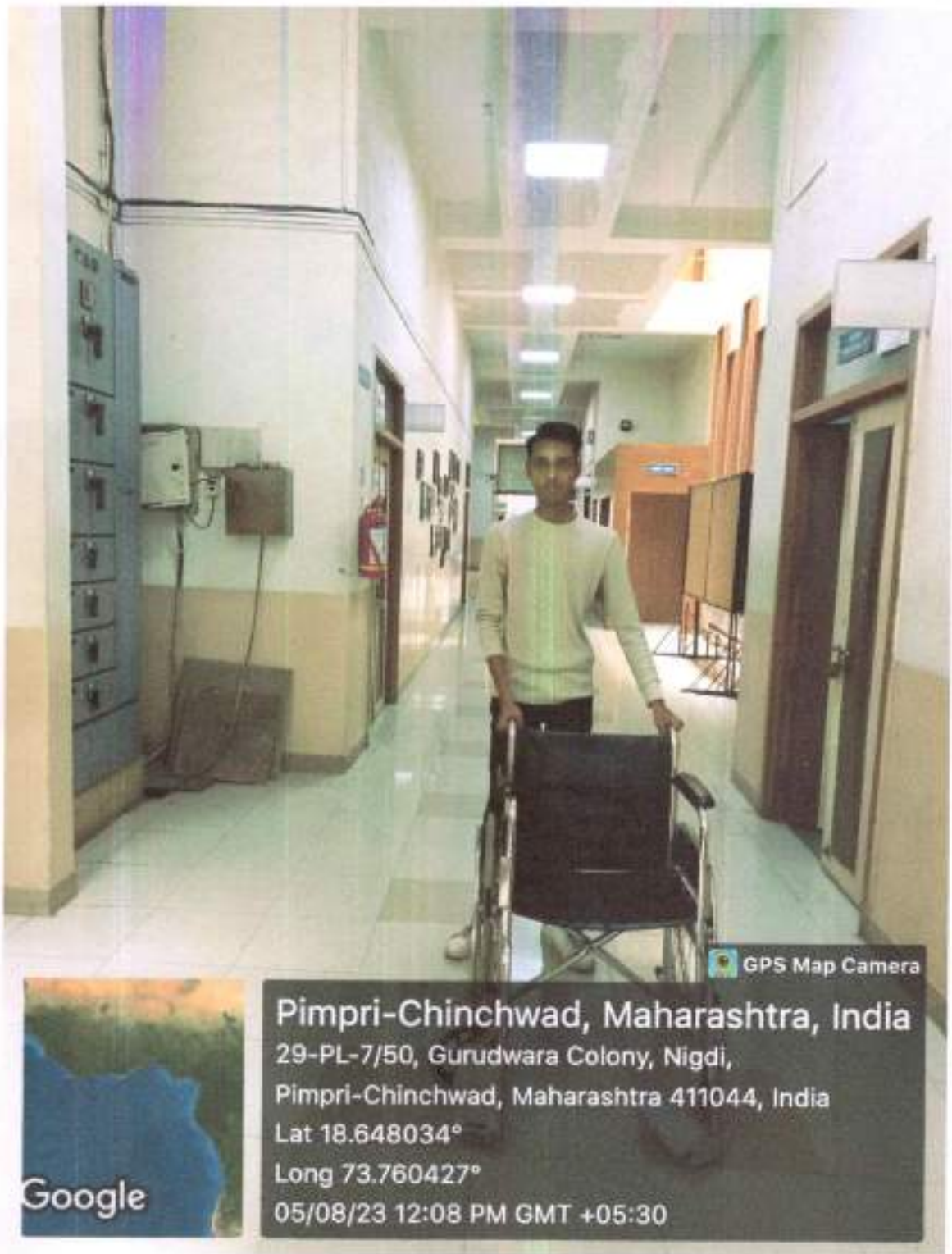
  
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Geotagged photograph of doors, it's easily access to wheel chair.

  
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Geotagged photograph of college corridor, it has sufficient width for movement of disabled person.

  
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