



VIKAS PRATISHTHAN'S
LATE TUKARAM DHONDIBA PATHARE
ARTS, COMMERCE AND SCIENCE COLLEGE
UNIPUNE ID : CAAP013450 AFFILIATION ID : PU/PN/SC218/2005

Energy Audit Report

of

**Late Tukaram Dhondiba Pathare Arts, Commerce &
Science College,
Chandannagar, Pune.**

Year 2022-23

Submitted to

The Principal,
**Late Tukaram Dhondiba Pathare Arts, Commerce & Science
College, Chandannagar, Pune.**

BY

Bio-Geo Consultancy, Pune.



VIKAS PRATISHTHAN'S
LATE TUKARAM DHONDIBA PATHARE
ARTS, COMMERCE AND SCIENCE COLLEGE
UNIPUNE ID : CAAP013450 AFFILIATION ID : PU/PN/SC218/2005

Our Vision

Social Transformation Through Dynamic Education

Our mission

To make significant contribution in social development through holistic education of the students who should be able to face the challenges of this complex world with a smile, as responsible global citizens. To impart world class education that shall foster academic excellence, physical fitness, psychological and spiritual health, social consciousness and concern for environment in each of our student. To develop critical thinking and analytical ability in our students. To provide an environment in which every student discovers and realizes his full potential. To develop empathy in our students.

Our Motto:

Social Transformation through Education

ENERGY AUDIT REPORT - 2022-2023

Principal's Message



I am pleased to offer my message on the occasion of the publication of Report of 'Energy Audit'. It is really grateful to work in Vikas Pratisthan's Late Tukaram Dhondiba Pathare Arts, Commerce & Science college Chandan nagar, Pune. It is my honor and privilege to be writing to you as your principal.

An energy audit is an attempt to reduce energy consumption by using less energy consuming equipment and services. It is both efficient and safe to use non-dissipative electrical and electronics equipment more efficiently. Or candidature can be sought for used candidates. Actual consumption of energy by considering how many tubes, fans, A.Cs, electronic devices, etc. in everything. Data required for audit was prepared using energy consumption bills of Maharashtra State Electricity Distribution Company (MSDCL), wattage in each block/room/science laboratory, times below energy consumption, measurements of voltages and currents. Period zone etc. The main objective of this audit is to identify LED tubes, LED bulbs, inverter based fans/motors pumps for their energy efficient equipment. For this, the students, they helped to find the data and survey. Also, by separating the obtained information, with the help of various criteria, conclusions were made and some recommendations suggested.

Prin. Dr. Jagdale R. B.

Preface:

An energy audit is an attempt to understand the consumption of electricity and other forms of energy for different purposes using several systems. It gives us the idea where and how energy consumption can be reduced by:

1. Technological intervention,
2. Behavioral change and
3. Use of clean energy.

Ultimately it is useful tool to strategize a plan for reduction of energy consumption as the attempt of addressing climate change issues. This audit is an important step in progressing the energy efficiency of the campus. The present energy audit is based on survey of concerned persons and study of equipment. Geography students under the guidance of their professors have carried out the survey work. The data have been collected from every classroom, lab, each room and the spaces in the college campus. The work is done by considering number of tubes, fans, refrigerators, air conditioners (AC), electronic devices inside and outside the buildings with their average duration and wattage. Thus, it is useful to understand the target areas where intervention is necessary. It further helps to priorities the actions to be taken.

We appreciate the efforts made by the management to create awareness among all of us about energy audit, use of renewable energy like solar energy and their use for efficient energy saving and in turn, our nature. This experiment has larger relevance outside the college as large number of students may study the electricity bills and status of electricity consumption at their end and apply their knowledge to reduce the same to some extent.

We are grateful to the college management for encouraging us by assigning this wonderful job of conducting the energy audit of **Late Tukaram Dhondiba Pathare Arts, Commerce & Science College, Chandannagar, Pune.**

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ABBREVIATIONS

AVR	: Automatic Voltage Regulator (electricity)
CFL	: Compact Fluorescent Lamp
FTL	: Fluorescent Tube Lamp
kVA	: kilo Volt Ampere
kVAr	: kilo Volt Ampere reactive
kW	: kilo Watt
kWp	: kilo Watt peak
kWh	: kilo Watt hour (Unit of Electricity)
LED	: Light Emitting Diode
LT	: Low Tension
PF	: Power Factor
MEDA	: Maharashtra Energy Development Agency
MSEDCL	: Maharashtra State Electricity Distribution Company
Solar PV	: Solar Photo Voltaic

Acknowledgements

We are very much thankful to Principal Dr. Rahul Jagdae, IQAC coordinator and NAAC think tank team for motivating us and giving us the opportunity for carrying out energy audit. We would like to express our sincere thanks to Prof. Anita Gore, Department of Computer, faculty members of Computer Science and all respected staff, faculty members along with those students who have taken part in this audit survey for each department, labs, offices etc. of *Late Tukaram Dhondiba Pathare Arts, Commerce & Science College*, Chandannagar, Pune. We tried our best to present this energy audit report as per requirements of the college and our expertise.

Bio-Geo Consultancy, Pune.

EXECUTIVE SUMMARY

The main objectives of the audit was to study the energy consumption pattern of the college campus and to identify the potential areas where energy/cost saving can be possible. It also aims at preparing feasible proposals for energy/cost saving along with investment and payback periods for technological up gradation and establishment of renewable systems.

The salient observations and recommendations are given below.

1. Late Tukaram Dhondiba Pathare Arts, Commerce & Science College, Chandannagar, Pune uses energy in the following forms:

a. From MSEDCL

b. Electricity SOLAR Grid connected solar plant (15.3 kw)

c. High Speed Diesel Generator (HSDG)

Electrical energy is used for various applications, like: Computers, Lighting, Air-Conditioning, Fans, Laboratory Equipment's, Printers, Refrigerators, Xerox machines, CCTV, UPS, LCD Projectors, Router system, Flood light and electric pumps etc.

2. The average cost of energy is around **Rs. 8487 / Month.**

3. The Specific Energy Consumption (SEC) is the ratio of energy required per square meter.

In this case the SEC is evaluated as electrical units consumed per square meter of the college area. It is calculated as under for (Electricity): **20 KWh / Sq.m**

4. After the measurement and analysis, we propose herewith some Energy Efficiency Improvement measures.

Introduction:

Late Tukaram Dhondiba Pathare Arts, Commerce & Science College, Chandannagar, Pune was previously having only two faculties viz. Arts and Commerce. From June 2005 with reference to special case and demand of 12th Science students in the rural region the faculty Programme extended by starting Science wing. The college is affiliated to Savitribai Phule Pune University, Pune. The college offers undergraduate courses namely, B.A., B.Com,(established from 2005) BBA ,BBA(CA)and B. Sc(CS) ,(established from 2008) with Marathi/English medium and other certificate courses.

Late Tukaram Dhondiba Pathare Arts, Commerce and Science College, Pune is a very popular college in the state of Maharashtra. Late Tukaram Dhondiba Pathare College, Pune was established in 2005. It is one of the leading college in Arts, Humanities and Social Sciences, Business Finance and Commerce, Computer Science and Science and Mathematics. It is located in Pune, Maharashtra. 5 courses are taught in this institution. It provides UG course only. Under the Arts, Humanities and Social Sciences, 1 course is available. For Under Graduate studies, B.A. is the only course taught. Under the Business Finance and Commerce, there are a total of 3 courses. For Under Graduate studies, BBA ,BBA(CA) and B.Com. are available for enrolment. Under the Science faculty, there of 1 courses. For Under Graduate studies B.Sc.(Computer Science) are available for enrolment.

With a reputation for academic excellence, we are one of Pune's best International Colleges on affordable fees. Beyond academics, we encourage our students to make the most of their talents and pursue a wide range of co-curricular activities.

Methodology Adopted:

The Audit is conducted as per the guidelines given by State Electricity Board:

1. Relevant Data Collection like list of lighting fixtures, pumps, etc.
2. Measurement of main supply Voltage, Current, kW, kVA and kVA are done and the trend is recorded.
3. Analysis of the past data for understanding the consumption patterns.
4. Recommendations for achieving energy efficiency improvement projects and methods to reduce the energy cost.
5. Analysis of Techno-economic feasibility of the projects with simple payback predictions.

Instruments Used:

Following instruments are used for the study:

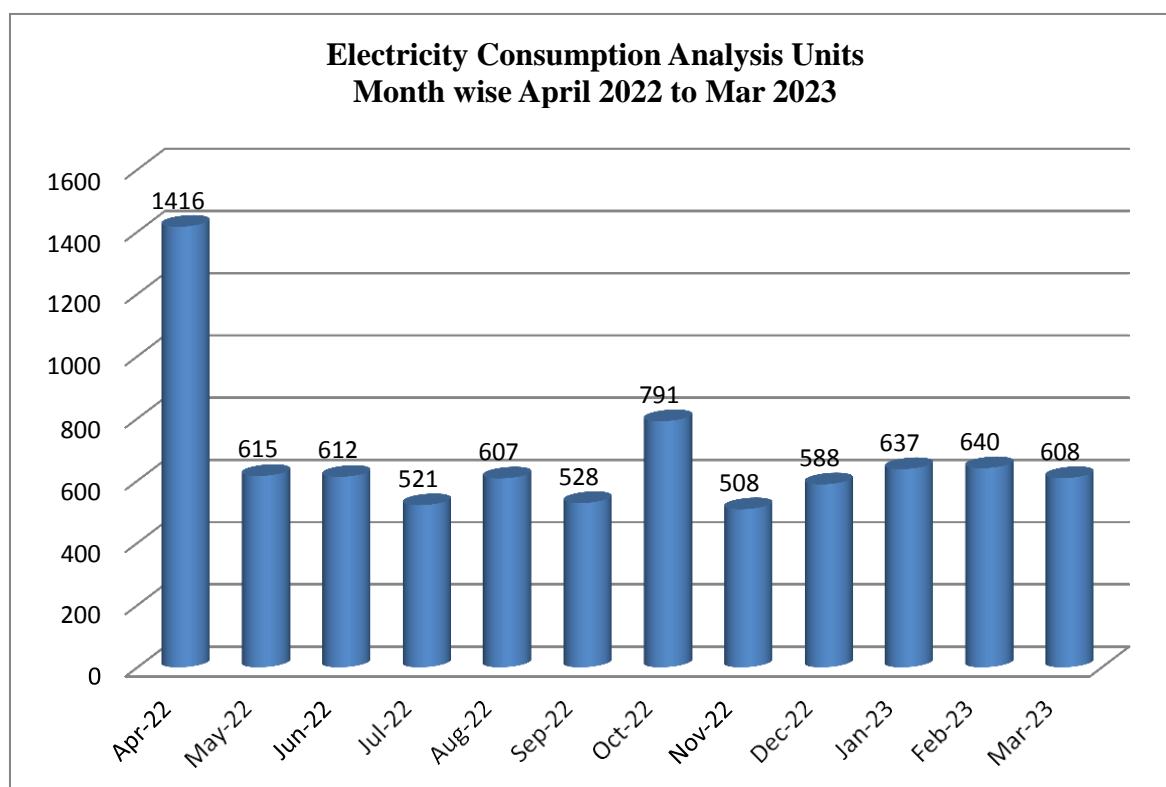
- Single Phase Power meter.
- Three phase Power meter
- Lux Meter for light level measurements

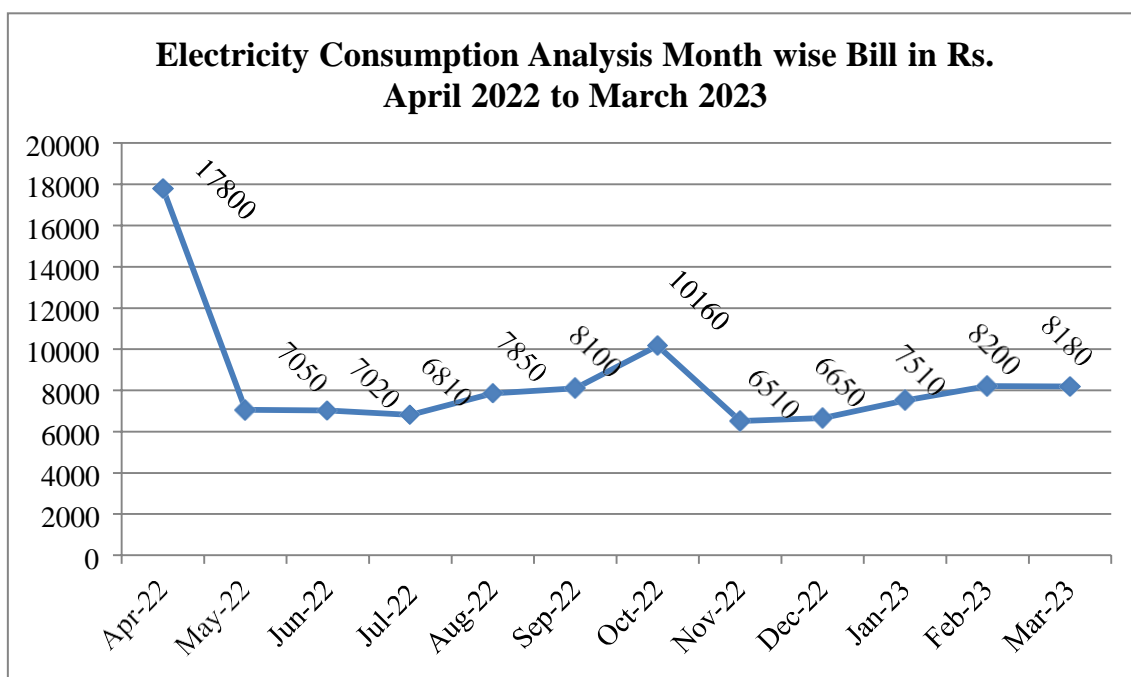
Past Electricity Bills Analysis:

Electricity Consumption (2022-23), Monthly electricity consumption analysis. The College has one single Phase connection. Meters in use as E- 07603950584 & load allowed Three Phase meter 20 KW. Following table showing the electricity consumption in Units and amounting in Rupees.

Table 1-1: Electricity Consumption Analysis **Month wise** (April 2022 to Mar 2023)

Sr. No.	Month	Meter Reading Units	Actual Bill Rs.
1	April 2022	1416	17800
2	May 2022	615	7050
3	June 2022	612	7020
4	July 2022	521	6810
5	August 2022	607	7850
6	September 2022	528	8100
7	October 2022	791	10160
8	November 2022	508	6510
9	December 2022	588	6650
10	January 2023	637	7510
11	February 2023	640	8200
12	March 2023	608	8180
	Total	8071	101840
	Average	672.58	8486.67





- The average Electrical Energy Consumption per day in Academic year 2022-23 is **22.11** Units.
- Highest Electrical Energy consumption **1416** units was recorded in the month of April 2022.
- The average cost of Electrical Energy Consumption per day is **Rs. 279/-**
- Monthly average consumption is **672.58** kWh amounting to Rs. 8071/-
- The yearly average electricity Units consumption is **8071** kWh amounting to **Rs. 101840/-** per year.
- The consumption pattern is shown above.

Specific Energy Consumption:

Specific Energy Consumption (SEC) is defined as energy usage per unit production in any sector like agriculture, manufacturing, service, etc. Here, it is calculated as the ratio of total electricity consumption in kWh to total number of students of the college. The average yearly consumption of electricity is 101840 kW for the year 2022-23. The student strength in the same year is 672. Thus, SEC for the college is 12.01 kW per student in the year of reference. This is certainly not so high as compared with other educational institutes under the Savitribai Phule Pune University. By calculating SEC, we can crudely identify the factors

of energy efficiency or inefficiency. The present report has identified the areas having further scope to reduce the consumption.

Conclusion:

From above Electrical Energy Consumption Analysis, some options of energy saving or low energy consuming devices may be suggested. The college has accepted the suggestions made by the experts. Comparative analysis has proved that this initiative has saved power consumption.

The Power Factor is the ratio of electrical power consumed by various components used by the college to the same supplied by AC grid. If there is good efficient transportation and use of power through pumps, tubes, laboratory equipment's, computers, back up systems, etc. PF would be 100%. However, any activity cannot be 100% efficient. By and large it ranges from 70 to 80%. It is useful calculation to understand whether loss of power is beyond the limit and immediate measures are warranted. Most utility bills are influenced by KVAR usage. A good Power Factor provides a better voltage, reducing the pressure on electrical distribution network, reducing cable heating, cable over loading and cable losses, reducing over loadings of control gears and switch-gears etc.

Whenever the average power factor over a billing cycle or a month, whichever is lower, of a High Tension consumer is below 90%, Penal charges shall be levied to the consumer at the rate of 2% (two %) of the amount of monthly energy bill (excluding of Demand Charges, FOCA, Electricity Duty and Regulatory Liability Charge etc.) For power factor of 0.99, the effective incentive will amount to 5% (five percent) reduction in the energy bill and for unity power factor the effective incentive will amount to 7% (seven percent) reduction in the energy bill. Here in case of the college under scrutiny PF is good enough and no penal charges have been levied in the year 2022-23. This is plus point observed in the audit process.

Energy Conservation Action Plan:

Following are the energy conservation action plan is possible as per the detailed energy audit.

These energy conservation opportunities are of the type of minimum cost investment.

- Water management system must be in place. Reduction in water consumption by addressing leakages of taps and other miscellaneous utilities. Installation of flow meters which will help in reduction of water consumption.
- As per the survey of connected load in the campus approved electrical demand is too large. It is suggested to reduce maximum demand, if possible.
- Rain water harvesting can be implemented for reducing pumping hours and ultimately for saves in electrical energy.
- Replacement of simple tubes & bulbs monitors with LED.
- Display Sign boards at different eminent locations in the building to create awareness amongst staff and students
- Install solar street lights in the institute, mess and hostel campus.
- Replace old electric fans by energy efficient fans
- Small wind mills can be placed on institute and surrounding as institute location is away from population and sufficient wind velocity available.
- Electric distribution must be renovated and all safety features are required to consider.

It is suggested to have firefighting system to be installed in the distribution room.

List of Energy Audit Instruments

Sr. No	Name of the Instrument	Intended Use
1	Three Phase & Single Phase Power Analyzer	Used to measure, record real time Power Consumption analysis of electrical load, demand control, harmonics and transient. It is done without interrupting the connections.
2	Luxmeter	Used for measurement of illumination level
3	Digital Multimeter	Used for measurement of voltage. Current and resistance.
4	Non-Contact Tachometer	Used for measurement of speed of rotation equipment.
5	Thermo-hygrometer	Used for measurement of air velocity & humidification, ventilation, Air-conditioning and refrigeration systems etc. Also used for calculation of dew point to find out the heat being carried away by outgoing gases in industries. Where product drying requires hot air.
6	Anemometer	Used for measuring the flow and speed of Air in air Conditioning
7	Digital Temperature & Humidity monitor	Used for measurement and monitoring of temperature and humidity
8	Ultrasonic Flow Meter	Used for measurement of flow of liquids through pipelines of various sizes through ultrasonic sensors mounted on the pipelines.
9	Flue Gas Analysers	Used for optimizing the combustion efficiency by measuring/monitoring the oxygen and CO levels in flue gas of boilers, furnaces etc. and calculation of CO ₂ percentage in excess air level and efficiency.
10	Temperature Indicators	Used for measuring temperatures of gases/air, liquids, slurries, semi solids, powders etc. Using different types of probes.
11	Thermal Insulation scanner/Thermal Imager	Used for measuring loss of energy from hot/cold insulated surfaces. Temperatures is measured from a distance using infrared technology
12	Digital Manometer	Used for measurement of differential pressure.

Department wise load consumption:

1) Principal Office/Cabin:

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	2	80	06	480
2	Fan	60	1	60	06	360
3	PC	12	1	12	08	96
4	LED	33	1	33	06	198
5	Printer	200	1	200	01	200
6	CCTV	05	1	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

2) Administration Office

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	5	200	06	1200
2	Fan	60	4	240	06	1440
3	PC	12	4	48	08	384
4	LED	33	00	00	00	00
5	Printer	200	04	800	01	800
6	CCTV	05	03	15	24	360
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	01	10	04	40
10	Xerox	80	01	80	01	80

3. IQAC

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	$E = C \times D$	F	$G = E \times F$
1	FTL	40	02	80	06	480
2	Fan	60	02	120	06	720
3	PC	12	02	24	08	192
4	LED	33	02	66	06	396
5	Printer	200	02	400	01	400
6	CCTV	05	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	01	10	00	00
10	Xerox	80	01	80	00	00

4. Passage

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	$E = C \times D$	F	$G = E \times F$
1	FTL	40	08	320	06	1920
2	Fan	60	00	00	06	00
3	PC	12	00	00	08	00
4	LED	33	00	00	06	00
5	Printer	200	00	00	01	00
6	CCTV	05	05	25	24	600
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

5. Gym

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	02	80	06	480
2	Fan	60	01	60	06	360
3	PC	12	00	00	08	00
4	LED	33	01	33	06	198
5	Printer	200	00	00	01	00
6	CCTV	5	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

6. Department of BBA

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	00	00	00	00
2	Fan	60	01	60	6	360
3	PC	12	01	12	8	96
4	LED	33	02	66	6	396
5	Printer	200	01	200	1	200
6	CCTV	5	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

7. Department of Economics

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	00	00	00	00
2	Fan	60	01	60	6	360
3	PC	12	01	12	8	96
4	LED	33	02	66	6	396
5	Printer	200	01	200	1	200
6	CCTV	5	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

8. Department of Geography

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	00	00	00	00
2	Fan	60	01	60	6	360
3	PC	12	01	12	8	96
4	LED	33	02	66	6	396
5	Printer	200	01	200	1	200
6	CCTV	5	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

9. Department of Computer Science

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	05	200	06	1200
2	Fan	60	03	180	6	1080
3	PC	12	39	468	8	3744
4	LED	33	01	33	6	198
5	Printer	200	03	600	1	600
6	CCTV	05	02	10	24	240
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

10. Department of English

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	00	00	00	00
2	Fan	60	01	60	6	360
3	PC	12	01	12	8	96
4	LED	33	02	66	6	396
5	Printer	200	01	200	1	200
6	CCTV	5	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

11. Department of History

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	$E = C \times D$	F	$G = E \times F$
1	FTL	40	00	00	00	00
2	Fan	60	01	60	6	360
3	PC	12	01	12	8	96
4	LED	33	02	66	6	396
5	Printer	200	01	200	1	200
6	CCTV	5	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

12. Department BBA(C.A)

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	$E = C \times D$	F	$G = E \times F$
1	FTL	40	03	120	06	720
2	Fan	60	02	120	06	720
3	PC	12	36	432	08	3456
4	LED	33	01	33	06	198
5	Printer	200	01	200	01	200
6	CCTV	05	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00

13. Department of Library

Sr. No.	Name of Appliance	Power Rating (Watt)	Quantity	Power Consumption (Watt)	Usage per Day Hr.	Power Consumption/day (Watt)
A	B	C	D	E = C X D	F	G = E X F
1	FTL	40	01	40	06	240
2	Fan	60	02	120	06	720
3	PC	12	01	12	08	96
4	LED	33	01	33	06	198
5	Printer	200	01	200	01	200
6	CCTV	05	01	05	24	120
7	AC	55	00	00	00	00
8	Refrigerator	250	00	00	00	00
9	Inverter	10	00	00	00	00
10	Xerox	80	00	00	00	00



Registration Certificate

This is to certify that

VIKAS PRATISHTHAN'S
(LATE TUKARAM DHONDIBA PATHARE ARTS, COMMERCE & SCIENCE COLLEGE)
CHANDAN NAGAR, PUNE – 411014 (MAHARASHTRA), INDIA.

has been assessed by RAPL and found to comply with the requirements of

ISO 9001 : 2015 Quality Management Systems

For the following activities:

PROVIDING THE EDUCATION OF GRADUATION AND POST GRADUATION LEVEL FOR
THE STREAMS OF ARTS, COMMERCE AND SCIENCE.

Certificate Number: E2023063216
Date of certification: 07/06/2023
1st Surveillance on or before: 06/06/2024
2nd Surveillance on or before: 06/06/2025
Certification Valid Until: 06/06/2026



Director (Certification)
Royal Assessments Pvt. Ltd.

623 A, Tower-B, iThum, Plot No. A - 40, Sector - 62, Noida 201301, India.
www.royalapl.com, info@royalapl.com
Phone : +91 120 4251329

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Gender Audit Report

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Chandannagar, Pune.**

Year 2021-22 & 2022-23

Submitted to

The Principal,
**Late Tukaram Dhondiba Pathare Arts, Commerce & Science
College, Chandannagar, Pune.**

BY

Bio-Geo Consultancy, Pune.



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Our Motto:

Social Transformation through Education

GENDER AUDIT REPORT **2021-22 & 2022-23**



I am pleased to offer my message on the occasion of the publication of Report of 'Gender Audit'. It is really grateful to work in Vikas Pratisthan's Late Tukaram Dhondiba Pathare Arts, Commerce & Science college Chandan nagar, Pune. It is my honor and privilege to be writing to you as your principal. The memorial contributions of honourable Pandharinath Pathare have been brought into realities and his dream has come true in the form of this educational institution.

The college has become a place of educational center in Chandannagar and Khradi of Pune. Located in the beautiful natural campus, this college has been imparting education through different faculties consistently.

The college offers three year integrated programmes in B.A., B.Com., B.Sc. in conventional subjects. Recently, we have started B.C.A. & B.Sc. (Computer Science) and is another distinguished feature of the college.

The faculty of the college which is well-qualified and experienced strives to sustain quality and academic excellence and encourages the students to participate in various curricular co-curricular and extra-curricular activities. We foster creativity, fortitude, integrity and leadership qualities among the students for their over-all personality development. The students of our college are also in the forefront in research, cultural and sports activities at university, State and National and International levels. We have planned our short term and long term goals by preparing Vision 2020 based on the parameters of excellence.

Prin. Dr. Jagdale R. B.

Preface

The concept of GENDER AUDIT-2021-22 & 2022-23 was put forth by Hon^{ble} Pandharinath Pathare, President, Vikas Pratisthan, Satarhan, Hon^{ble}, Rajendra Umap Secretary, of Vikas Pratisthan. The college is involved in tree plantation programmes for the last 10 years. Being visionary and committed to upliftment of weaker sections of society, college is always proactive for environmental conservation. Our college has demonstrated how eco-friendly campus can provide healthy and comfortable atmosphere for the stakeholders. It was the idea to carry out green audit for the campus of our college. We are happy to shoulder the responsibility.

Gender audit of a college campus aims at understanding the present environmental status and to find out ways to internalize environmental issues which are well felt externally. It is also an attempt to develop initiative of all the stakeholders, viz. management, Principal, staff, students and parents to develop campus which ensures clean and green environment for learners. We also hope that such kind of exercise can develop environmental awareness among the families of students and in turn villages. With this vision in mind attempt has been made to document the green status of the campus adopting proper tools and methodology. For this, aspects like landscaping and plantation, solid waste management, recycling of waste water, conservation of energy, water conservation, rainwater harvesting and minimum usage of paper, E-Waste collection, segregation of wet and dry waste, etc. have been considered for our observations.

We are happy to note that the college exhibits almost all the aspects of “Green Campus” with participation of stakeholders in true sense of the term. It is well reflected in the activities like tree plantation with good phyto-diversity, organic farming, vermin culture, rain water harvesting, waste water management, green building, use of renewable resources etc.

Gender Policy:

- There shall not be any kind of discrimination on the basis of Gender.
- The institution shall provide equal opportunity for all genders.
- Freedom for all genders to express free and fair opinions.
- There must be an accessible, active, unbiased and confidential grievance redressal cell
- The institute shall arrange effective measures for the safety and security of all gender

Objectives of Gender Audit:

The Gender Audit has the following objectives:

- To find out the areas where gender imbalance exists and the factors behind it.
- To establish good gender balance in decision-making processes in all areas of the College activities.
- To suggest measures for bridging the gender gap.
- To Foster gender equality in all aspects of the college community.
- To see the work and capacity for prevention of sexual harassment at the college

Methodology:

As part of the Audit, we conducted an online survey through Google form specially designed for the Students, Faculty and the non-teaching staff in order to gather and collate the respondent's perception on the prevailing Gender sensitive practices. We also obtained Gender segregated data on the curriculum, male–female composition across various departments as well as listing of program /workshops /Seminars conducted on Gender related topics through another Google form issued to the management of the institute. The statistical data provided for 3 academic years together with the finding of the online survey across respondent groups have been analyzed.

Key Steps in Gender Audit:

- Planning.
- Fieldwork, collection of information by circulating questionnaires & in situ observations.
- Analysis of gathered information & preparation of Draft Report.
- Final Report.

Introduction

Late Tukaram Dhondiba Pathare Arts, Commerce & Science College, Chandannagar, Pune was established in 2005 by Vikas Prathishathan. The institution rose up to greater heights due to the unprecedented contributions of Pandharinath Pathare in the realm of education. Tukaram Dhondiba Pathare whose name has been given to this college was a veteran educationist and a social reformer of this region. The college was responsible for educating the first generation of the region.

The college owns 1 acres of land is used for infrastructure while remaining 50 % land is used for the paly ground, parking & etc. The college campus has a rich environmental and natural beautiful background therefore; the agro-based projects such as custard apple, fig, coconuts, roses, etc. are being carried on. The place is famous for entering Pune city & boarder of Pune air port. The famous Astavinayak Ganesh temples Ranjangaon & Theur are also nearby the college. The Agakhan Palace also nearby college. The college has earned a name and it has emerged as the principal center of education in this urban-rural area. The college has a substantial share in the community development programme and it usually adopts poor and interior villages as extension work. There has been a substantial growth in the research work. NSS are consistently active in various areas to help the community at large.

In all its quality effort in higher education the institution has built up a mechanism to monitor the performance of the institution by seeking feedback from the students, teaching, non-teaching staff, prominent alumni and stake holders.

GENDER AUDIT REPORT 2021-22 & 2022-23

Gender wise Details of Total Students & Staff in the College

Table 1: Gender wise Details of Total Students in the College

Sr. No.	Year	Total	Male	Female	% M	% F
1	2021-22	655	401	254	61.2	38.77
2	2022-23	672	396	276	58.92	41.07

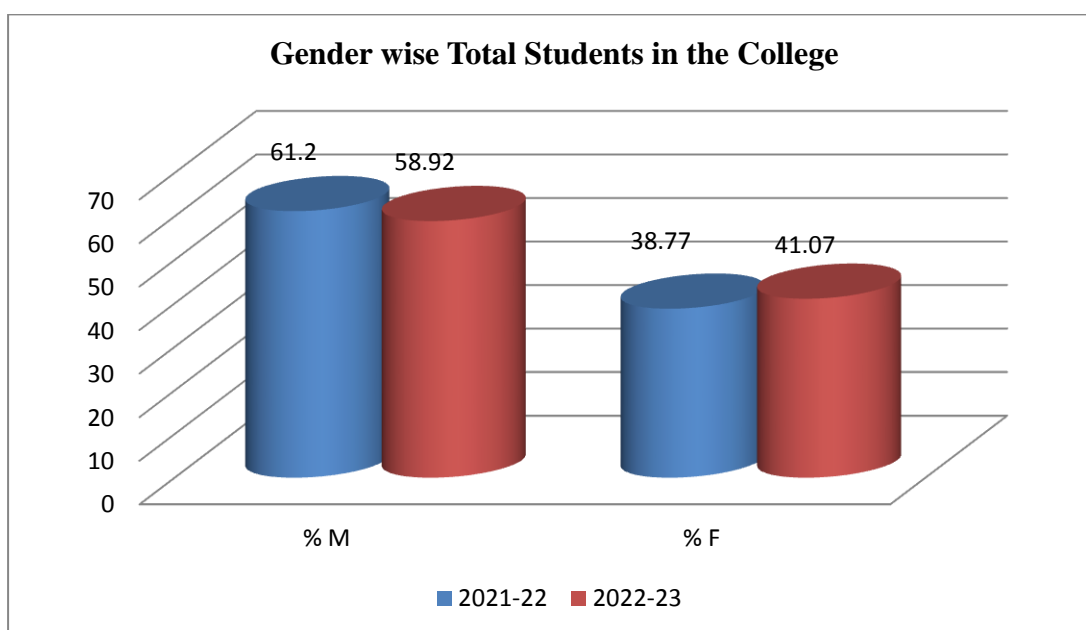


Figure 1: Gender wise Details of Total Students in the College

The table shows year wise gender classification of male and female strength of students and the total number of admissions to the college. It appears that the number of female students increased in 2022-23 so there is a slight increase of 2.28 % is found to be there with male population and slight decreased of 2.28 % is found to be there with female population as compared to previous year.

Table: 2 Gender wise Details of Total Students in Arts faculty

Sr. No.	Year	Total	Male	Female	%M	%F
1	2021-22	76	37	39	48.68	51.31
2	2022-23	119	61	58	51.26	48.70

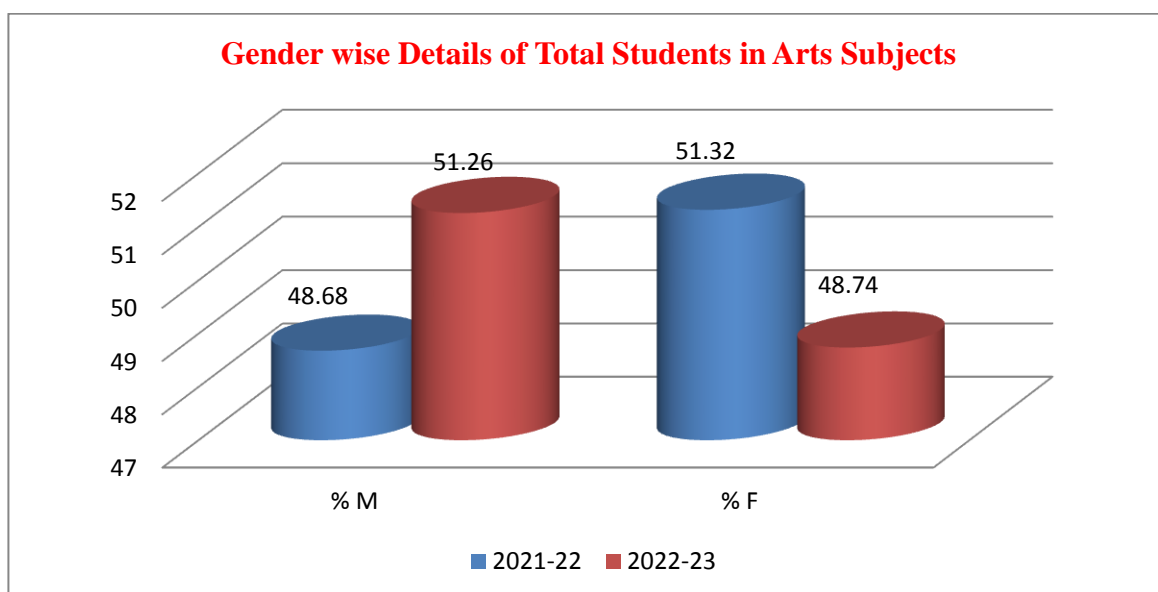


Figure: 2 Gender wise Details of Total Students in Arts Subjects

The number of students increased in 2022-23 so there is a slight increase of 2.58 % is found to be there with male population and slight decrease of 2.58 % is found to be there with female population as compared to previous year. The number of males in Arts faculty such as Marathi, Hindi, English, Economics and History etc. slightly decreased as compared to previous years.

Table: 3 Gender wise Details of total students in Computer Science faculty

Sr. No.	Year	Total	Male	Female	%M	%F
1	2021-22	72	51	21	70.84	29.16
2	2022-23	87	55	32	63.22	36.78

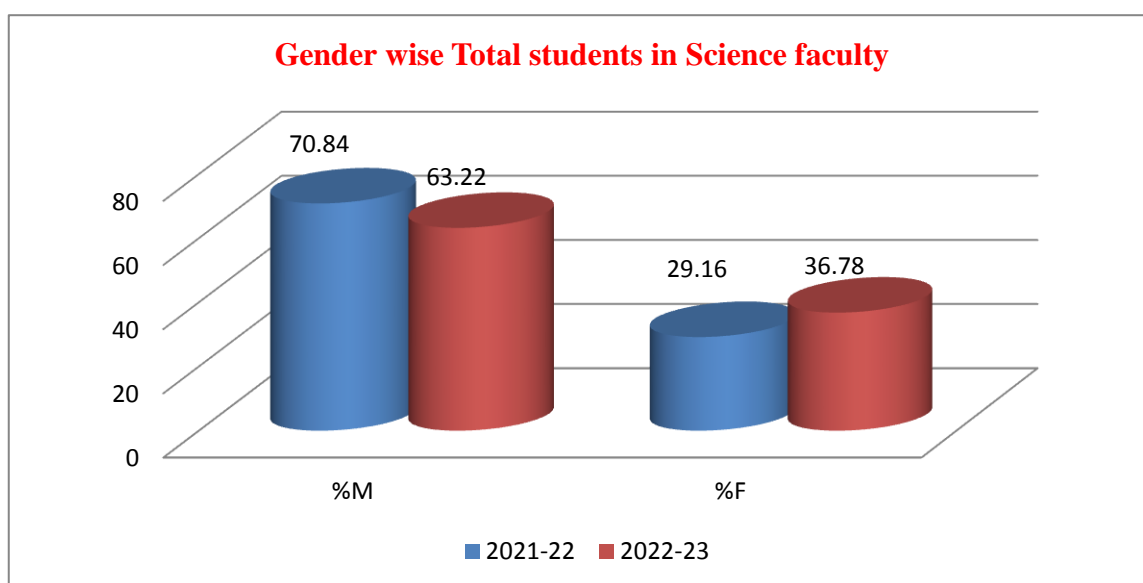


Figure3: Gender wise Details of total students in Science

The number of students increased in 2022-23 so there is a slight decrease of 7.62 % is found to be there with male population and slight increase of 7.62 % is found to be there with female population as compared to previous year. The 7.62 % increase found in total number of students reflected here also. In computer science though the numbers of males are still more but a decrease is found as compared to previous years. It is interesting to note that participation of male is more in science education. This underlines again, as the comfort zone provided by the college in science laboratories in which males have to interact with staff and female students during practical hours. Similar type of phenomenon has been observed in commerce stream.

Table: 4 Gender wise Details of total students in commerce faculty

Sr. No.	Year	Total	Male	Female	%M	%F
1	2021-22	288	148	140	51.38	48.61
2	2022-23	235	116	119	49.36	50.63

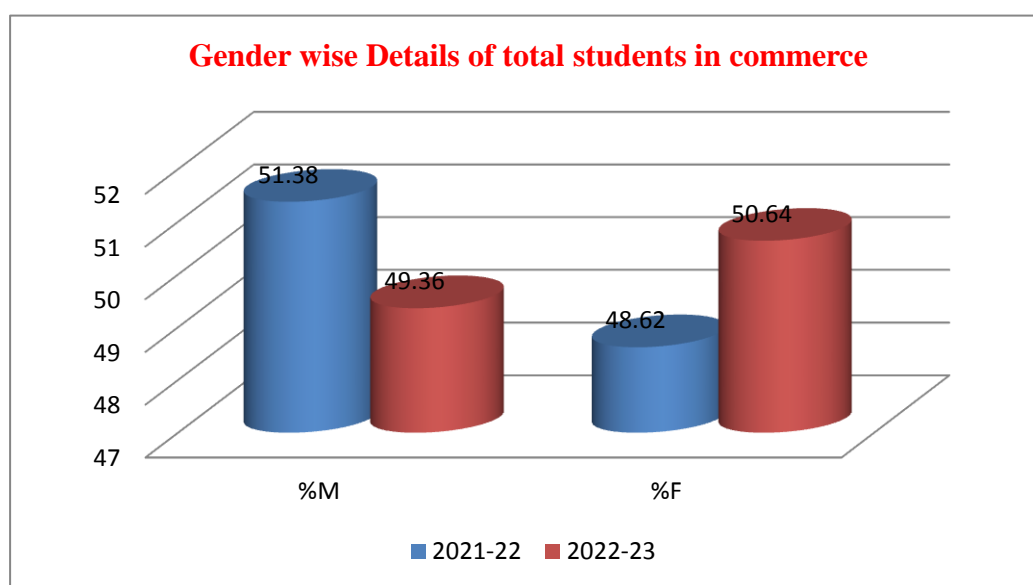


Figure: 4 Gender wise Details of total students in commerce

The number of students increased in 2022-23 so there is a slight decrease of 2.02 % is found to be there with male population and slight increase of 2.02 % is found to be there with female population as compared to previous year. In commerce the total number boys slightly decreased. Reduced job opportunity in engineering, medical, pharmacy etc. might be the reason why more males are turning to arts, science and commerce.

Table: 5 Gender wise Details of total students in BBA faculty

Sr. No.	Year	Total	Male	Female	%M	%F
1	2021-22	108	87	21	80.55	19.44
2	2022-23	101	72	29	71.28	28.71

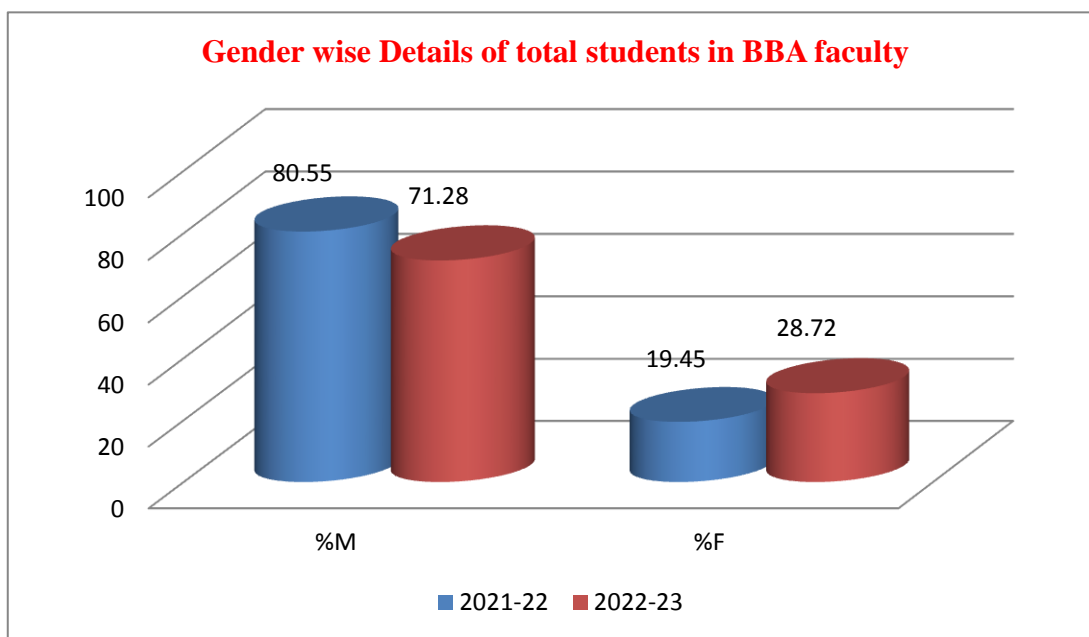


Figure: 5 Gender wise Details of total students in BBA faculty

The number of students increased in 2022-23 so there is a decrease of 9.27 % is found to be there with male population and increase of 9.27 % is found to be there with female population as compared to previous year.

Table: 6 Gender wise Details of total students in BBA(CA)Science faculty

Sr. No.	Year	Total	Male	Female	%M	%F
1	2021-22	111	78	33	70.27	29.73
2	2022-23	130	92	38	70.76	29.23

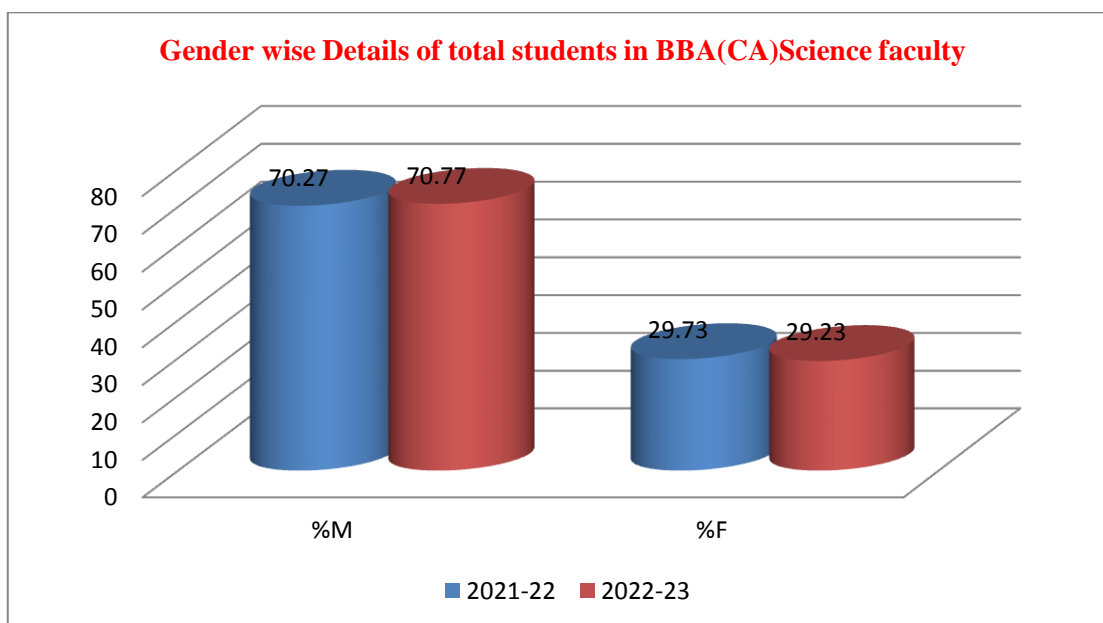


Figure 5: Gender wise Details of total students in BBA (CA) Science faculty

In commerce the total number boys slightly decreased. Reduced job opportunity in engineering, medical, pharmacy etc. might be the reason why more males are turning to arts, science and commerce.

Table: 7 Gender wise Details of teaching staff in the College

Sr. No.	Year	Total	male	Female	%M	%F
1	2021-22	27	10	17	37.05	62.96
2	2022-23	21	09	12	42.85	57.14

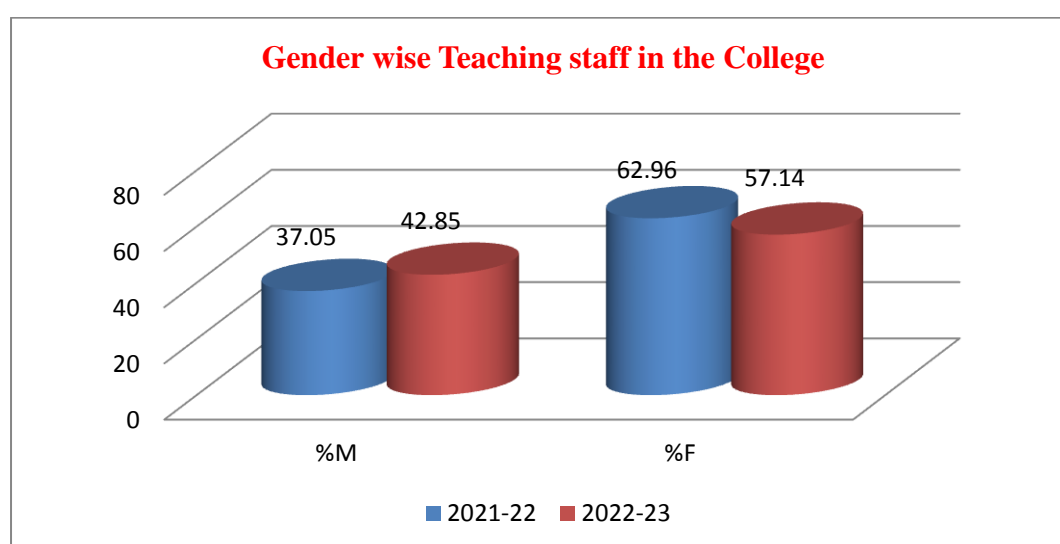


Figure: 7Gender wise Details of Teaching staff in College

The total number of male teaching staff is more as compares to female. Not with standing mandatory female reservation policy of the state government female teachers are significantly less than the male. But in this College female is more than male faculties. This may be due to the fact that well educated female work force has been less. It is improving in the last few decades but not sufficient enough to be reaching to 50% mark. Compared to other colleges in the area this college certainly standsout in terms of women participation in teaching.

Table: 8 Gender wise Details of total HODs in the College

Sr. No.	Year	Total	male	Female	%M	%F
1	2021-22	08	03	05	40%	60%
2	2022-23	08	03	05	40%	60%

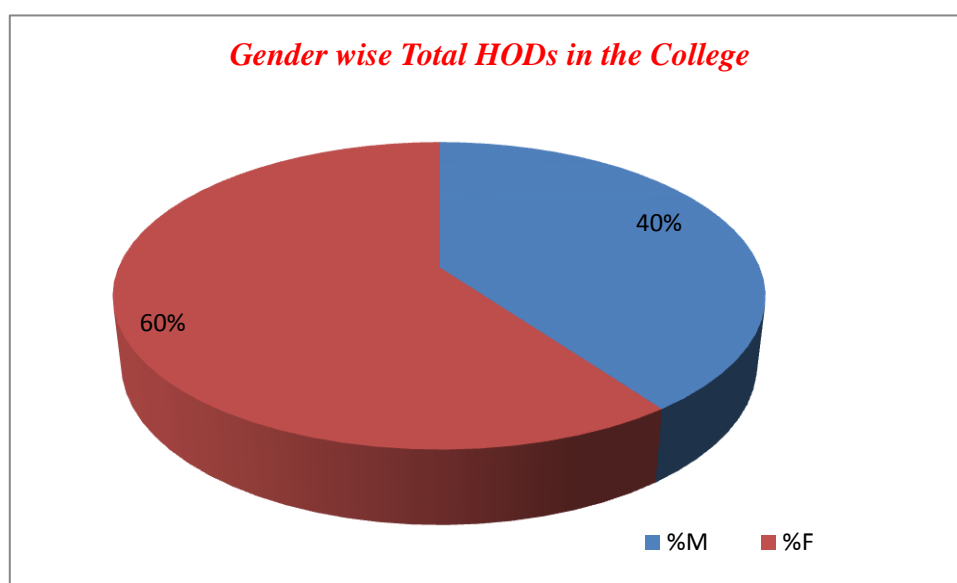


Figure: 8 Gender wise Details of total HODs in College

Since two years gender wise details of total teaching staff in College the ratio is fixed as about 10 % males and 90% female are in teaching. It is not suitable for college students for administration. This issue has been discussed with the principal of the college during audit. According to him the management has complete awareness about the issue.

Table: 9 Gender wise Details of Non-Teaching staff in the College

Sr. No.	Year	Total	male	Female	%M	%F
1	2021-22	10	01	09	10%	90%
2	2022-23	10	01	09	10%	90%

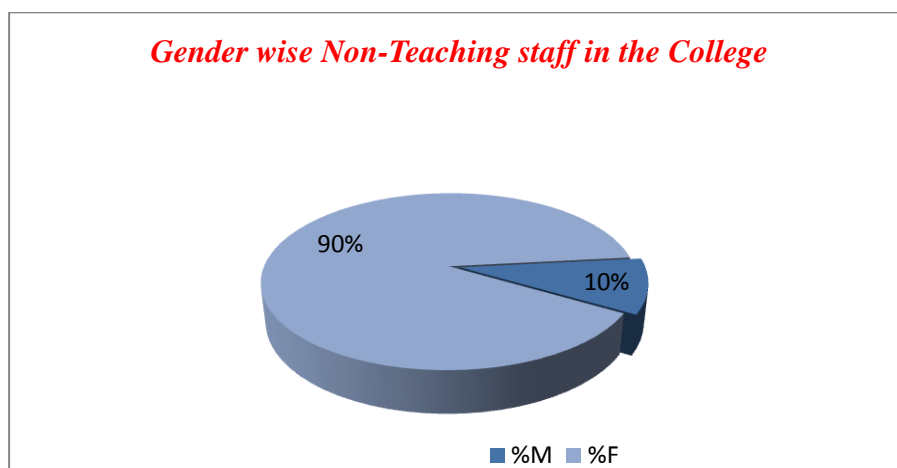


Figure: 9 Gender wise Details of Non-Teaching staff in College

About 10% male and 90% female as per the two-year gender breakdown of the total non-teaching staff in the college. It is not suitable for college students to administer. The matter has been discussed with the principal of the college during the audit. According to him, the management is fully aware of the issue. They prefer male candidates during interviews and recruitment. The management has observed an alarming rate of attrition in the case of women employees due to migration after marriage. The college ensures the presence of female teachers in the office and student convenience center during peak hours. This kind of practical approach of the heads of institutions is appreciated.

Table:10 Gender wise Details of total students in NSS

Sr. No.	Year	Total	male	Female	% M	% F
1	2021-22	100	60	40	60%	40%
2	2022-23	100	62	38	62%	38%

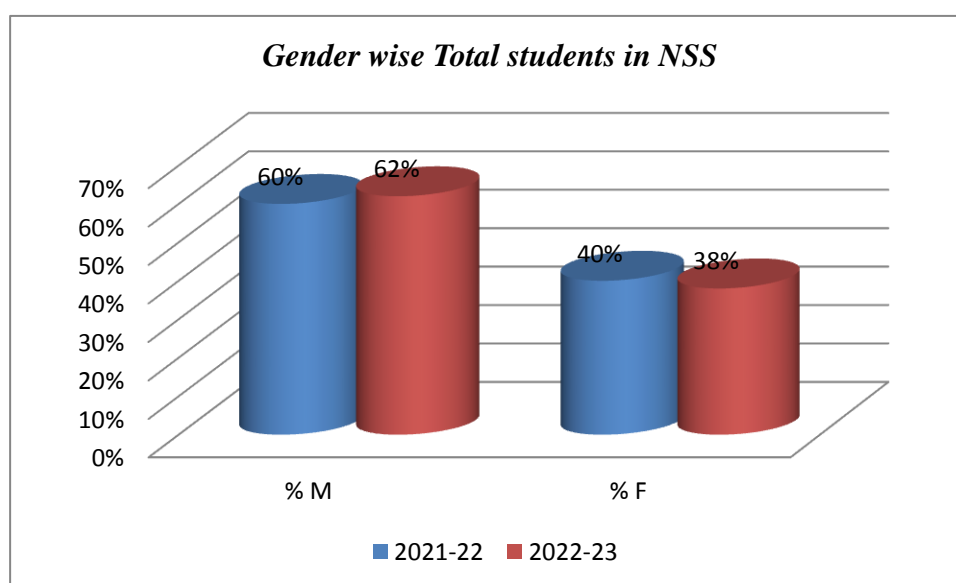


Table: 10 Gender wise Details of total students in NSS

The numbers of students are fixed at 100 for each year. Of the total number participating in the NSS committee, the number of boys has increased from 60 to 62 per cent in two years, while the number of girls has dropped from 40 to 38 per cent in 2021-22 & 2022-23 years respectively. The selection of NSS volunteers are on the basis of their attitude towards selfless service to societal actions and also the ability to work in group is also considered. It's a matter of pride to see girls always excel in these activities.

Table: 11 Gender wise Details of total Participants in College Sports Activities

Sr. No.	Year	Total	Male	Female	% M	% F
1	2021-22	00	00	00	00	00
2	2022-23	410	290	120	70.73	29.26

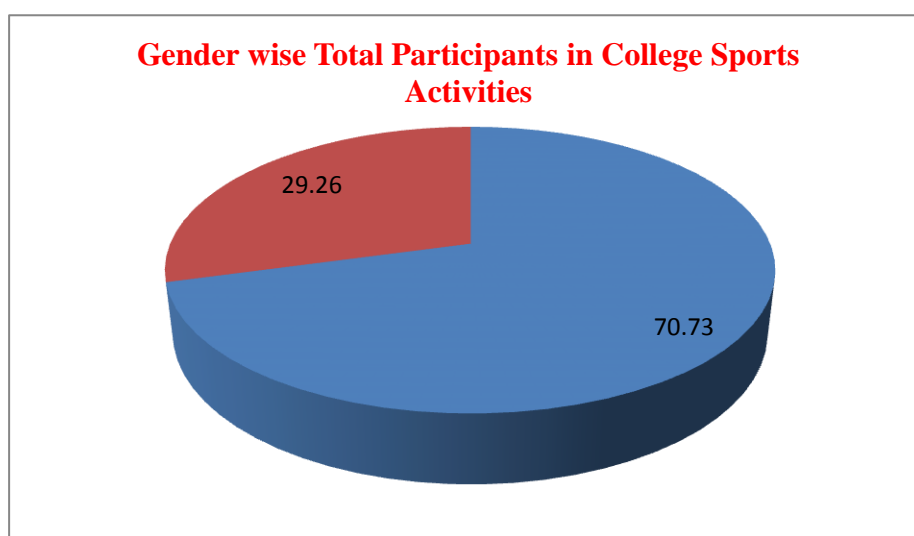


Table: 11 Gender wise Total Participants in College Sports Activities

The sports competitions are male dominating. Girls concentrate more on athletics but youngsters are involved both in athletics and other games too. Academic year of 2021-22 no sports activity was done by university as well as government due to Covid 19. In the participants of College sports activities are in academic year 2022-23 male 70.73% and female 29.27%.

Observations:

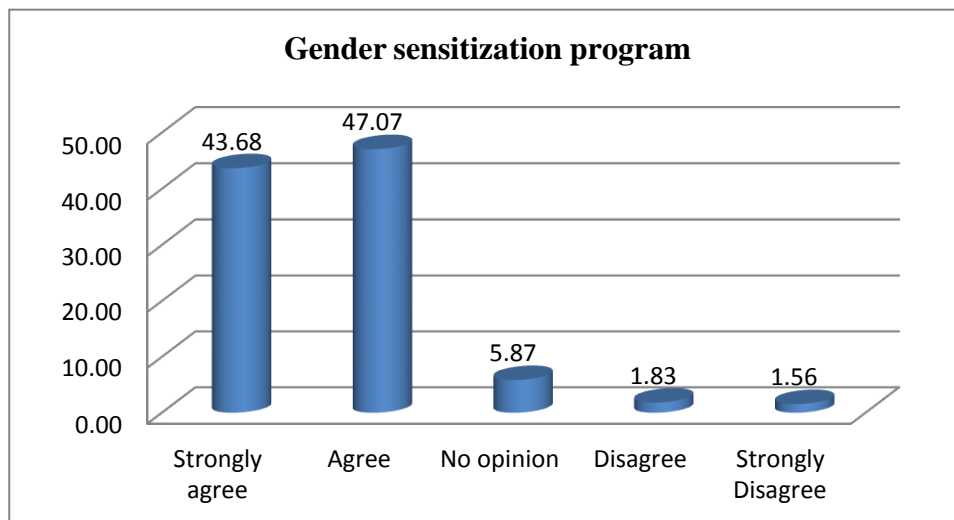
As the vital part of this audit a structured questionnaire in Google form has been circulated among the students asking them about gender equity policies and practices in college. About 356 students have answered. The analysis of their responses regarding programme planning and design in the college and its activities revealed that most of the student members feel that the gender equity in policies programmes of the college is

adequate.

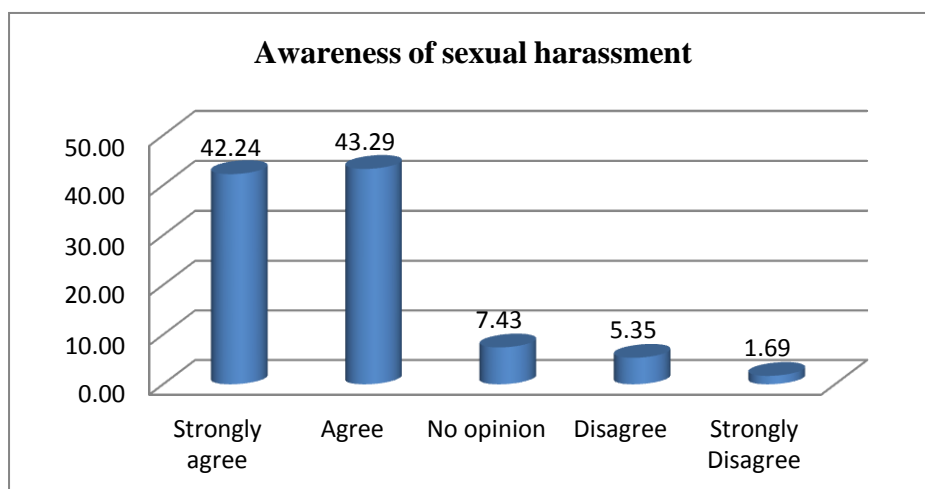
Number of Survey participants -356

Audit team have collated the data & analyzed the same with respect to the survey results for presenting the same in this report. A questionnaire online link was prepared for Gender Audit and distributed to all students through Class Teachers. More than 50 percent of students of the college participated in this survey. The details of this survey are as follows.

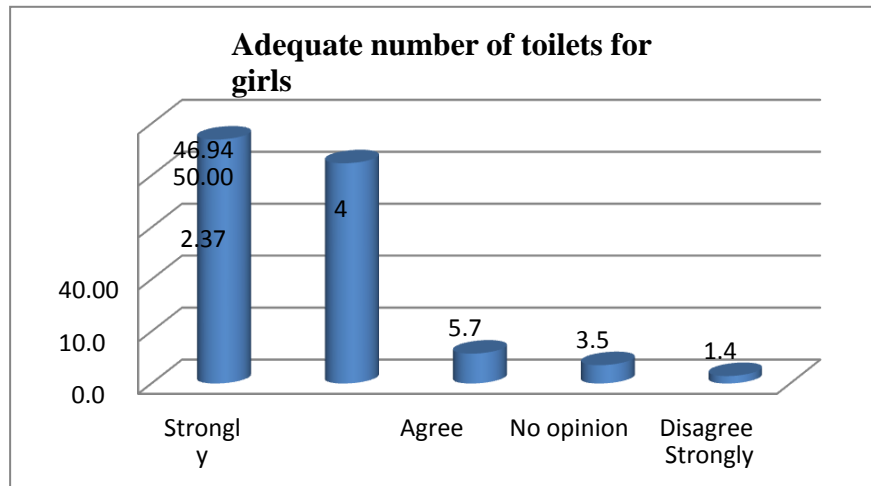
1. The college conducts gender sensitization program as a part of its curriculum



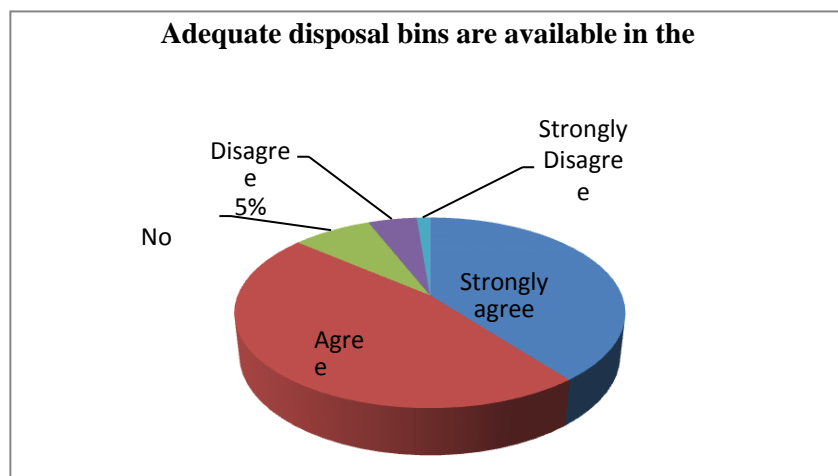
2. The college conducts gender awareness programs, such as awareness of sexual harassment, as a part of its curriculum.



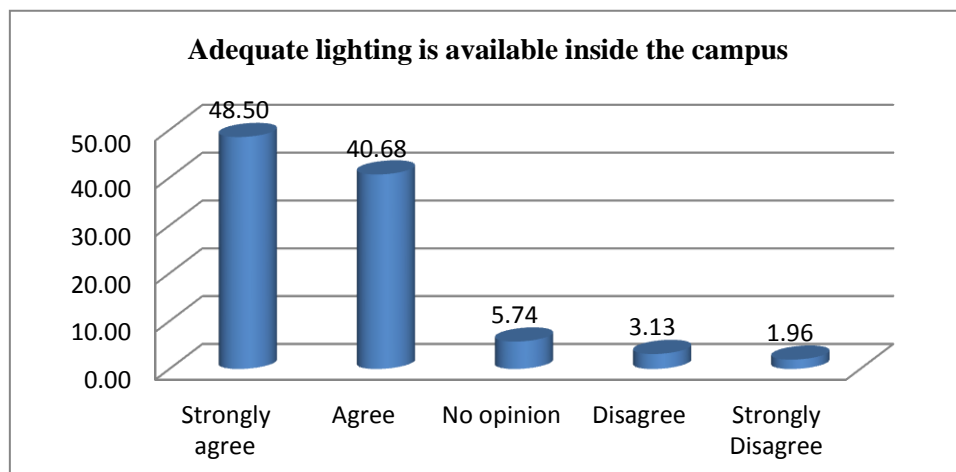
3. Adequate number of toilets are available in the campus for girls.



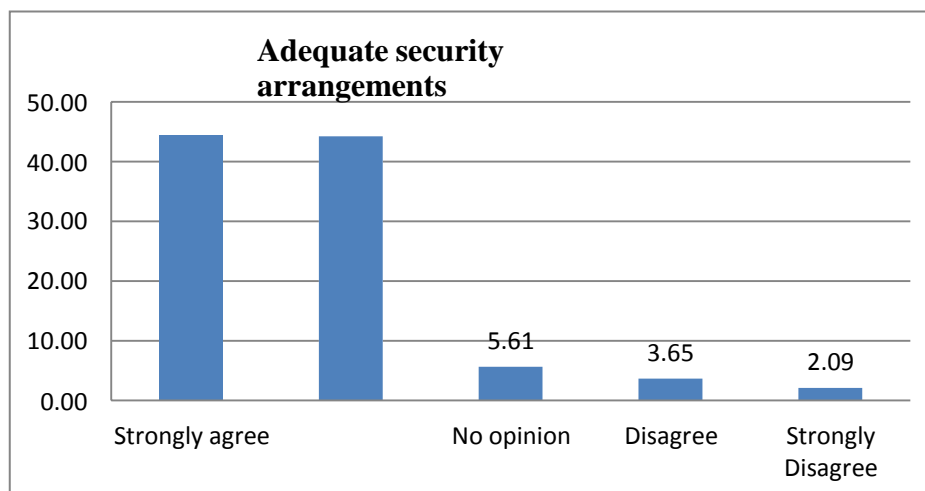
4. Adequate facilities are available inside the toilet keeping in mind the need of the girl students. Adequate disposal bins are available in the toilet



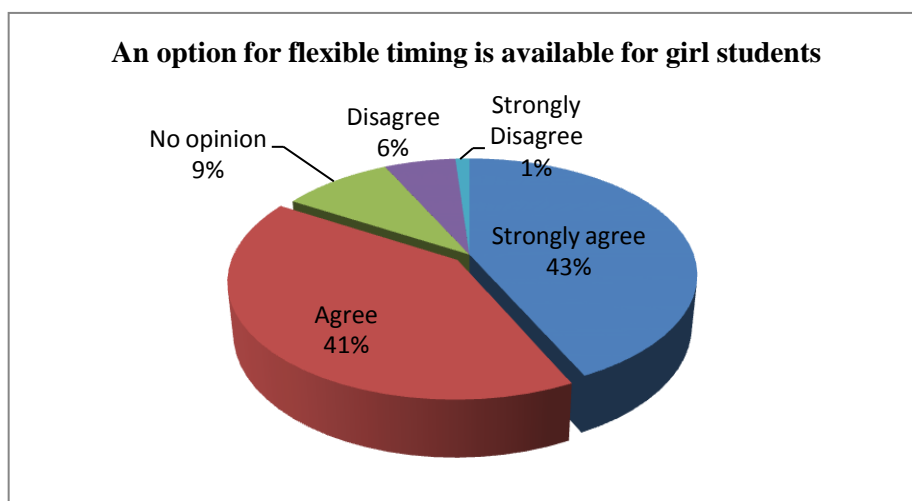
5. Adequate lighting is available inside the campus during night, including but not limited to, adequate light in corridor, class rooms, common areas, toilets etc.



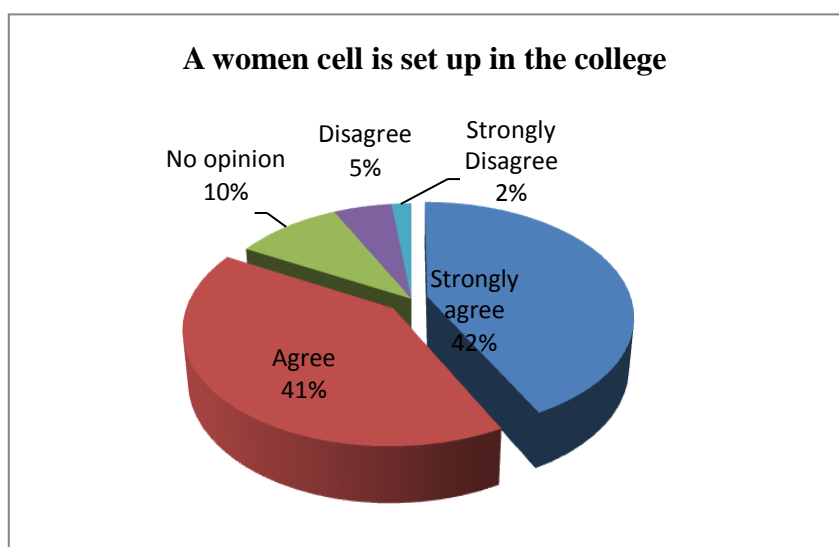
6. Adequate security arrangements have been made in the campus and common areas during day and night.



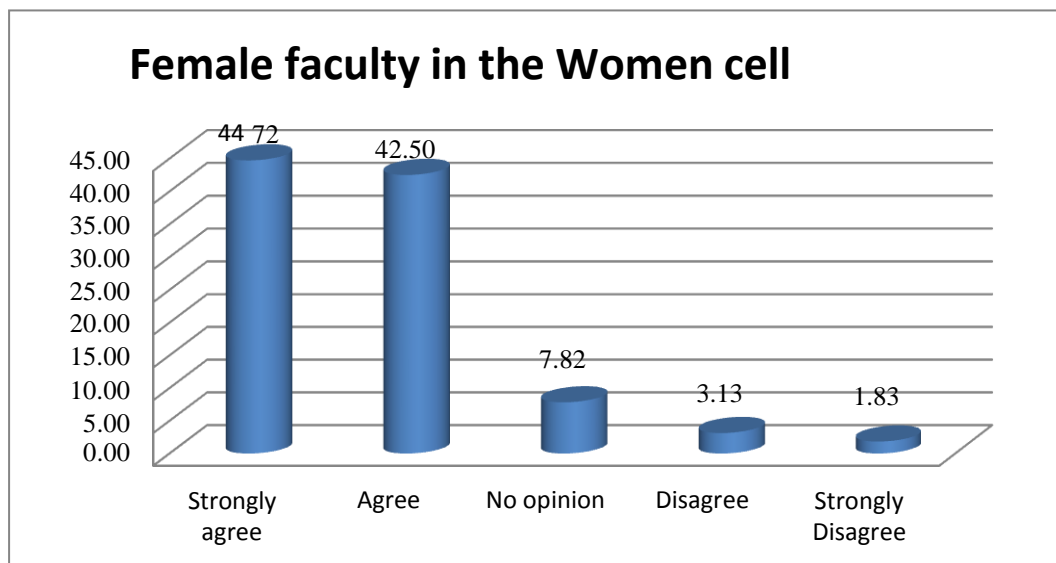
7. An option for flexible timing is available for girl students. For example, for outside scholars, no class is arranged in late evening or early morning.



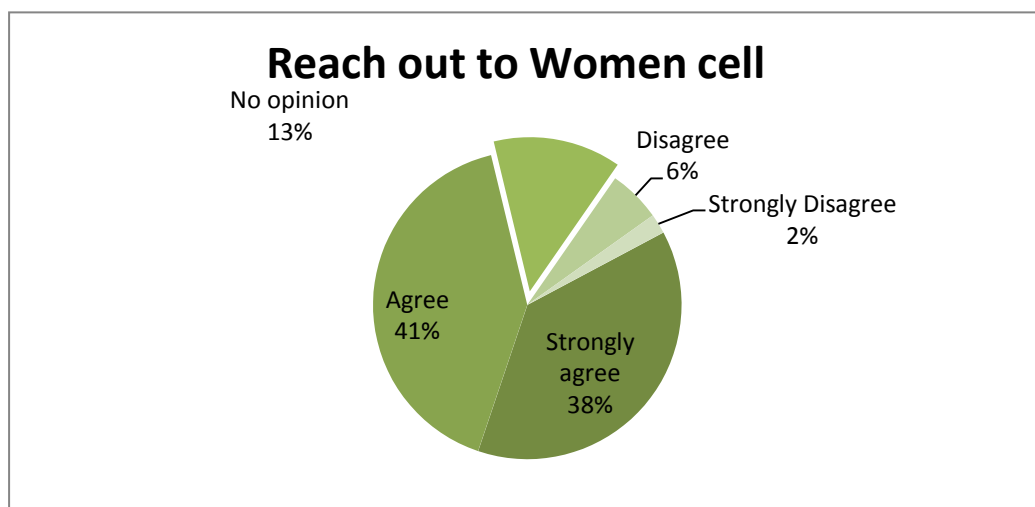
8. A women cell is set up in the college and students are aware about the women cell.



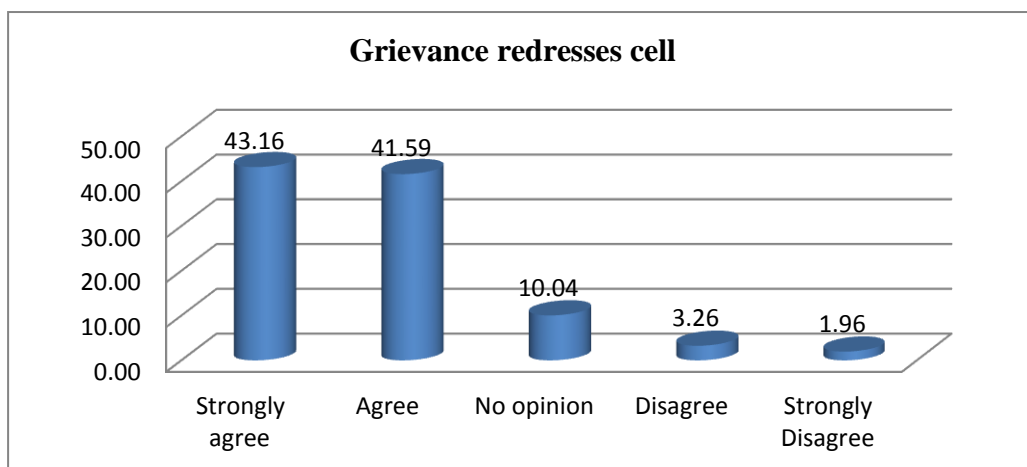
9. There are lady faculties available in the women cell.



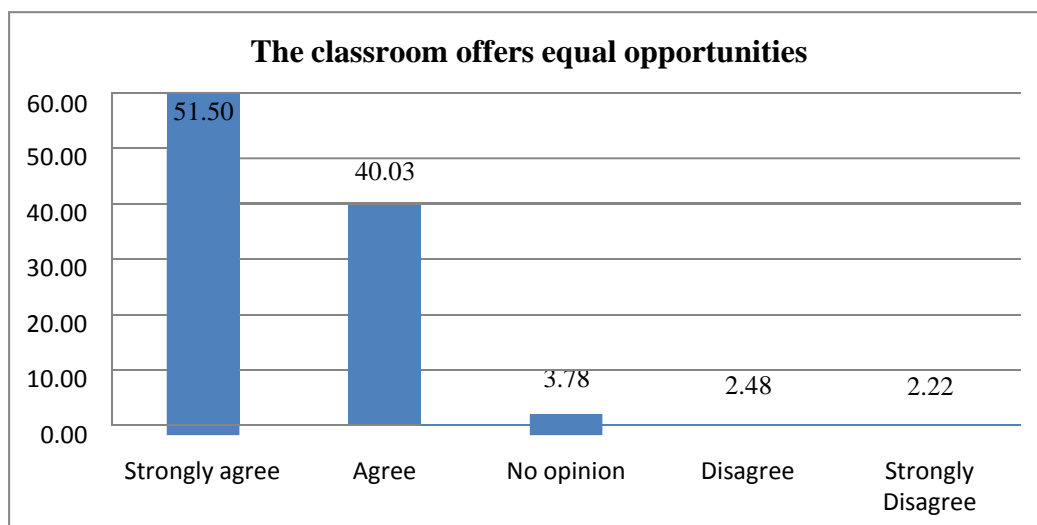
10. Do you reach out to women's cell?



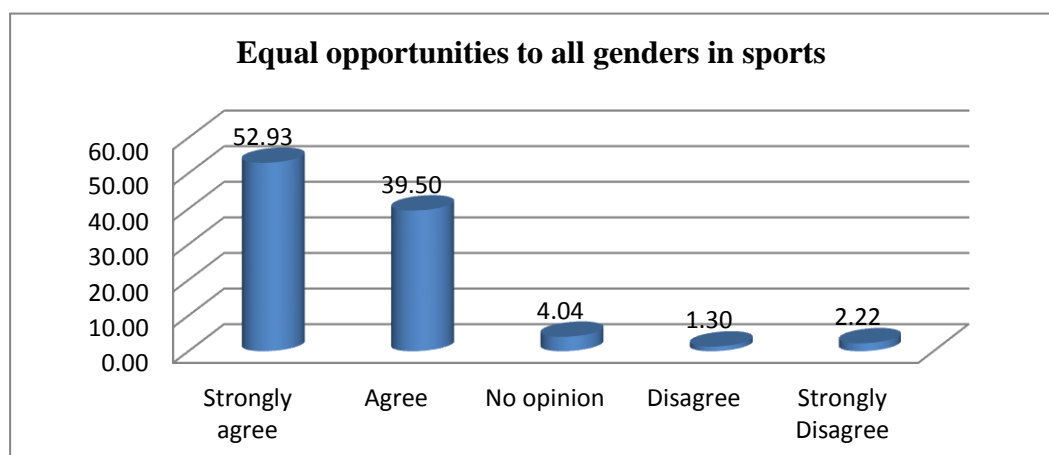
11. A grievance redresses cell has been set up.



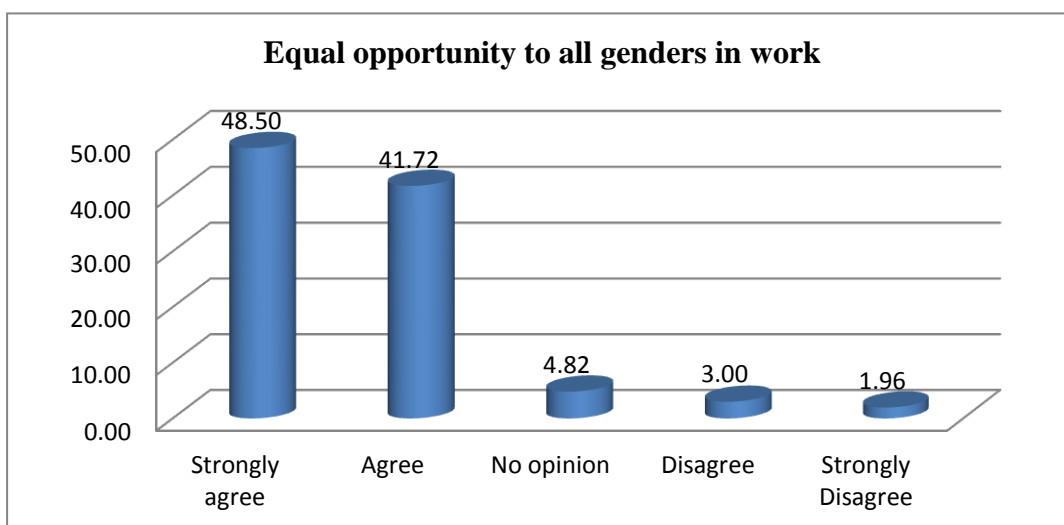
12. The classroom offers equal opportunities to all genders.



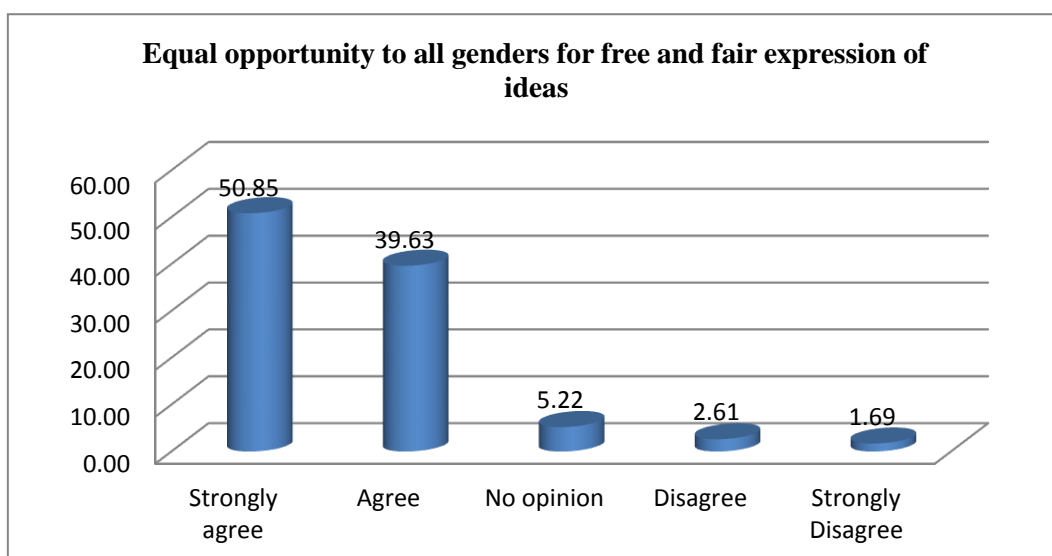
13. The college offers equal opportunities to all genders on sports



14. There is equal opportunity to all genders to work with various clubs and forums



15. There is equal opportunity to all genders for free and fair expression of ideas



Salient Findings:

- Students strength particularly girl's strength is high in both arts and science UG and PG programmes
- Girls enrolment is more than that of boys in most of the classes.
- Success rate of girl students is higher than that of boys.
- The participation of girls in cultural activities is higher than boys
- In sports the participation of boys is more than that of girls.
- In regular teaching staff the strength of females are higher than male
- Non teaching staffs have females are higher than male.

Suggestions:

- Define and deepen the understanding of gender equality concepts such as gender equity, empowerment of women, men and masculinities
- The number of female staff to decision making bodies may be increased
- Organized more sports programmes on a regular basis.
- More awareness program on Legal rights
- College intends to introduce self-employment trainings in different subjects.
- Improve the marketability of the products made by students

Conclusion:

The analysis shows that gender equity goals and objective are included in all the policies, programmes of the college and staff (teaching & non-teaching) also reported that they have no problems related to gender criterion. Gender Audit Team analyzed that the gender equality and gender sensitivity is encouraged by management and staff of the college and they do have gender sensitive behavior.

It is found that the College has lots of strengths and some weaknesses. The weaknesses can be overcome with gradual changes in value set up. Doubtless, the enrolment of girls from all section of society is increasing and there is no a gender issue or complaints. With the strong will power and commitment to gender justice, the College would certainly make a mark in the country.

Format of Questionnaire

Sr. No.	Control objective	Option
1	The college conducts gender sensitization program as apart of its curriculum	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
2	The college conducts gender awareness programs, such as awareness of sexual harassment, as a part of its curriculum.	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
3	Adequate number of toilets are available in the campus for girls.	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
4	Adequate facilities are available inside the toilet keeping in mind the need of the girl students. Adequate disposal bins are available in the toilet	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
5	Adequate lighting is available inside the campus during night, including but not limited to, adequate light in corridor, class rooms, common areas, toilets etc.	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
6	Adequate security arrangements have been made in the campus and common areas during day and night.	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
7	Options for flexible timing is available for girl students. For example, for outside scholars, no class is arranged in late evening or early morning.	Strongly agree
		Agree
		no opinion
		Disagree
		Strongly disagree
8	A women cell is set up in the college and students are aware about the women cell.	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
9	There are lady faculties available in the women cell.	Strongly agree
		Agree
		No opinion
		Disagree

		Strongly disagree
10	Do you reach out to women's cell?	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
11	A grievance redresses cell has been set up.	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
12	The classroom offers equal opportunities to all genders.	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
13	The college offers equal opportunities to all genders on sports	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
14	There is equal opportunity to all genders to work with various clubs and forums	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree
15	There is equal opportunity to all genders for free and fair expression of ideas	Strongly agree
		Agree
		No opinion
		Disagree
		Strongly disagree

Number of Survey Participants -						
Sr. No.	Timestamp	Email address	Name of the student	Gender	Faculty	Mobile No.
1	30/05/2023 11	jyotirammore@gmail.com	More J C	Male	BA	8983349170
2	6/6/2023 9:46	rushikeshv2005@gmail.com	Rushikesh Vyawahare	Male	BBA	7249051638
3	6/6/2023 9:48	meghachandu26@gmail.com	Meghana Naresh Puttha	Female	B.Sc.	9209344736
4	6/6/2023 9:52	zahidpathan9694@gmail.com	Zahid shabir	Male	BBA	7558489694
5	6/6/2023 9:53	abhijeetkavar@gmail.com	Abhijeet	Male	B.Sc.	9021618260
6	6/6/2023 10:03	nandujnk143@gmail.com	Alat Nandu Kumar	Male	B.Sc.	9553794216
7	6/6/2023 10:06	samirksayyed13@gmail.com	Samir sayyed	Male	BBA(CA)	9049995118
8	6/6/2023 10:09	atarte90@gmail.com	AKSHAY SANJAY TARTE	Male	B.Sc.	7998881100
9	6/6/2023 10:26	harshvardhanmidgule@gmail.com	Harshvardhan Sanjay Midgule	Male	BBA	9699973619
10	6/6/2023 10:54	pbhambere458@gmail.com	Pratik vitthal bhambere	Male	BBA(CA)	9699187107
11	6/6/2023 10:55	naremah7507@gmail.com	Mahawar Naresh Vijendra	Male	BBA	7249804276
12	6/6/2023 11:16	kandanuja8290@gmail.com	Anuja Kand	Female	BBA(CA)	9503368290
13	6/6/2023 15:15	priyankajadhav@gmail.com	Priyanka jadhav	Female	BBA(CA)	9881063722
14	6/6/2023 15:16	jadhavshivani0120@gmail.com	Shivani Gorakh Jadhav	Female	BBA	8010524922
15	6/6/2023 15:16	gadekarmona9@gmail.com	Monal Vitthal Gadekar	Female	B.Sc.	9657832565
16	6/6/2023 15:18	simranshaikh86260@gamil.com	Simran Sikandar Shaikh	Female	BBA	9881952319
17	6/6/2023 15:20	sudarshanpatange142@gmail.com	Sudarshan balasaheb patange	Male	BBA	9021344759
18	6/6/2023 15:35	gauravbhorde20@gmail.com	Gaurav Bhorde	Male	BBA(CA)	9021099803
19	6/6/2023 15:43	prashant.pk.0143@gmail.com	Prashant Subhash Kakade	Male	BBA(CA)	8669505256
20	6/6/2023 15:51	adityapadile111@gmail.com	ADINATH M PADILE	Male	B.Sc.	9359334547
21	6/6/2023 15:54	aniketkadam2926@gmail.com	Aniket Mahesh Kadam	Male	B.Sc.	9822875850
22	6/6/2023 15:57	rohan.d5672@gmail.com	Rohidas Rambhau Dukale	Male	BBA	9975757504
23	6/6/2023 16:31	ashitoshcherekar0598@gmail.com	Cherekar Ashitosh Rajkumar	Male	B.Sc.	9172535522
24	6/6/2023 16:47	ambritpranit@gmail.com	Pranit Ambrit	Male	BBA(CA)	8180807400
25	6/6/2023 17:28	raninapte68@gmail.com	Rani santosh Napte	Female	BBA(CA)	8149831268
26	6/6/2023 17:37	omnirmale95@gmail.com	Om nirmale	Male	BBA(CA)	7798873419
27	6/6/2023 17:48	jyotidhawale80@gmail.com	Sakshi Arjun Dhawale	Female	B.Sc.	88053 36502
28	6/6/2023 17:49	ajay212001jadhav@gmail.com	Ajay Rajendra Jadhav	Male	B.Sc.	9373745116
29	6/6/2023 17:50	shubhambhandare117@gmail.com	Shubham Bhandare	Male	BBA	9975209139
30	6/6/2023 18:00	nishatakalkar03@gmail.com	Nisha Ashok Takalkar	Female	B.Sc.	9322075868
31	6/6/2023 18:14	devyanishewale743@gmail.com	Devyani Dattatray Shewale	Female	BBA	7020713576
32	6/6/2023 20:04	lingampalliaditya3@gmail.com	Aditya Vishwajit Lingampalli	Male	B.Sc.	8624996974
33	6/6/2023 20:11	sagarkeshave14@gmail.com	Sagar Keshave	Male	B.Sc.	7812845088
34	6/6/2023 20:16	mk9001180@gmail.com	Mayur koli	Male	BBA	8806337029
35	6/6/2023 20:18	Sachiinsajjan75@gmail.com	Sajjan Sachin Arjun	Male	BBA(CA)	91682 35358
36	6/6/2023 20:19	pj3980631@gmail.com	Pavan jadhav	Male	B.Sc.	9370391511
37	6/6/2023 21:55	fandomkar92@gmail.com	Omkar Annasaheb Fand	Male	BBA(CA)	8446149283
38	6/6/2023 22:07	anishatakalkar@gmail.com	Anisha Takalkar	Female	B.Sc.	9922865074
39	6/6/2023 22:19	snehachavan243@gmail.com	Sneha Nanabhau Chavan	Female	BBA(CA)	9309740247
40	7/6/2023 1:06	sonkusaresiddhi@gmail.com	Siddhi	Female	BBA	9922241401
41	7/6/2023 7:33	ektakokane@gmail.com	Ekta Sandeep kokane	Female	BBA(CA)	9767449522
42	7/6/2023 8:43	arjunjaiswar728@gmail.com	Arjun Shrichand Jaiswar	Male	B.Sc.	8624861772
43	7/6/2023 16:58	patiluraj0081@gmail.com	Suraj pawar	Male	BBA(CA)	9307994542
44	8/6/2023 10:21	pranavchavan959@gmail.com	Pranav chavan	Male	BBA	9579604748
45	8/6/2023 10:22	jyotiranka6484@gmail.com	Jyoti Ranka	Female	BBA	8856044796
46	8/6/2023 10:22	luckyrane757@gmail.com	Laxman Sharad Rane	Male	BBA(CA)	7264083680
47	8/6/2023 10:23	siddharthghadge13@gmail.com	Siddharth ganesh ghadge	Male	BBA(CA)	9158079926
48	8/6/2023 10:24	bharat996039@gmail.com	Rana Bharat	Male	BBA	9960399047
49	8/6/2023 10:30	diyagore14@gmail.com	Diya Gore	Female	BBA(CA)	9307559625
50	8/6/2023 10:30	yewateaatish@gmail.com	Aatish Dilip yewate	Male	BBA(CA)	9021750049

51	8/6/2023 10:42	alpeshvarma45@gmail.com	Alpesh varma	Male	BBA	7020420635
52	8/6/2023 10:42	sanketsalunke648@gmail.com	Sanket naresh salunke	Male	BBA	7744048082
53	8/6/2023 10:48	rutujajadhav277@gmail.com	Rutuja	Female	BBA(CA)	8263026114
54	8/6/2023 10:50	devarkondadhanashri@gamil.com	Dhanashri Devarkonda	Female	BBA(CA)	9156338409
55	8/6/2023 11:02	surajbetti@gmail.com	Suraj Anand Betti	Male	B.Sc.	9834860105
56	8/6/2023 11:17	pranavbandal55@gmail.com	Pranav Bandal	Male	BBA	9097703030
57	8/6/2023 11:21	choudharyaditya1191@gmail.com	Aditya choudhary	Male	BBA	9765009177
58	8/6/2023 11:21	shehebajn@gmail.com	Shehebaj	Male	B.Com	7499694695
59	8/6/2023 11:21	ashwinishevatar0@gmail.com	Shevatkar Ashwini Govind	Female	B.Com	8421801494
60	8/6/2023 11:22	kalyanibhadar03@gmail.com	Kalyani santosh bhadar	Female	BA	7620476741
61	8/6/2023 11:32	Vaishnavipatthe03@gmail.com	Vaishnavi Ashok Patthe	Female	BBA(CA)	7798697703
62	8/6/2023 11:36	Kundenrani@gmail.com	Rani Prakash Kunden	Female	BA	8007263285
63	8/6/2023 11:40	atharvazod25@gmail.com	ZOD ATHARVA RAVI	Male	BBA(CA)	7410577062
64	8/6/2023 11:40	salvevicky9850@gmail.com	Vicky	Male	BBA(CA)	8446725570
65	8/6/2023 11:42	rohitchoudhari1305@gmail.com	Rohit Rameah Choudhari	Male	B.Com	7040560238
66	8/6/2023 11:42	sandipkapse1137@gmail.com	Sandip kapse	Male	B.Com	9730113709
67	8/6/2023 11:42	gadekaviraj@gmail.com	Gade kaviraj prabhakar	Male	B.Com	8010673028
68	8/6/2023 11:43	ajinkya7412@gmail.com	ANKITA M JADHAV	Female	B.Com	7709463306
69	8/6/2023 11:44	omkarmadole@gmail.com	Omkar madole	Male	BBA(CA)	9307679916
70	8/6/2023 11:48	maheshbirajdar2003@gmail.com	Mahesh Sudhakar Birajdar	Male	BBA	7666264981
71	8/6/2023 11:48	rubdeakashata@gmail.com	Akshata Ganesh Rubde	Female	B.Com	9356561007
72	8/6/2023 11:52	girisaraswati509@gmail.com	Saraswati	Female	BA	7020532745
73	8/6/2023 11:52	sakirapathan1631996@gmail.com	Sakira Lala Pathan	Female	BA	8421909612
74	8/6/2023 11:53	gmane9515@gmail.com	Govind Balasaheb Mane	Male	BBA	9022535253
75	8/6/2023 11:53	payalchavan5014@gmail.com	Payal chavan	Female	BA	7558235449
76	8/6/2023 11:54	dattalokhande7385@gmail.com	Datta lokhande	Male	BBA(CA)	7385309438
77	8/6/2023 11:55	dipikakoli43@gmail.com	Dipika koli	Female	BBA	8856826380
78	8/6/2023 11:56	nng1308@gmail.com	Neha Singh	Female	B.Com	8999604332
79	8/6/2023 11:56	gajendragadekar143@gmail.com	Gadekar Gajendra Vijay	Male	B.Com	9370135145
80	8/6/2023 11:58	rupalikamble87533@gmail.com	Rupali Appa Mane	Female	BA	8412925091
81	8/6/2023 11:59	kocholesayali@gmail.com	Sayali dattatray kochale	Female	B.Com	7774865203
82	8/6/2023 12:00	sagarkamble54321340@gmail.com	Sagar Deepak kamble	Male	B.Com	7387779944
83	8/6/2023 12:03	kadamshrush@gmail.com	Shrushti Mahesh Kadam	Female	B.Sc.	9730008704
84	8/6/2023 12:06	siddhiraskar837@gmail.com	Raskar siddhi Sunil	Female	B.Com	9604786094
85	8/6/2023 12:06	abhishekdalvi2200@gmail.com	Dalvi abhishek subhash	Male	B.Com	8888111366
86	8/6/2023 12:06	renukagongol@gmail.com	Renuka	Female	B.Com	9529192442
87	8/6/2023 12:06	dnyaneshwarppawar023@gmail.com	DNYANESHWAR PAWAR	Male	B.Sc.	8806892248
88	8/6/2023 12:08	Tejaswinikurhade26@gmail.com	Tejaswini Balasaheb kurhade	Female	BBA	8010337193
89	8/6/2023 12:10	shindepriya16006@gmail.com	Priya Shinde	Female	B.Com	7058216373
90	8/6/2023 12:10	vaibhavlondhe146@gmail.com	Vaibhav raosaheb londhe	Male	BBA(CA)	7387682321
91	8/6/2023 12:10	rahul27.03.2004@gmail.com	Rahul Jethusingh Rajpurohit	Male	B.Com	7498304498
92	8/6/2023 12:12	poojabajantri77@gmail.com	Pooja Bajantri	Female	BBA	9.19699E+11
93	8/6/2023 12:14	sarodeshrutika@12.com	Shrutika narayana sarode	Female	B.Sc.	8208867061
94	8/6/2023 12:16	bhagyeshnagar@gmail.com	Bhagyesh Jeevan Nahar	Male	B.Com	9604079260
95	8/6/2023 12:17	krantithakur4422@gmail.com	Kranti Thakur	Female	B.Com	8669183253
96	8/6/2023 12:29	akashrodge29@gmail.com	Akash Rajkumar Rodge	Male	B.Com	7498861807
97	8/6/2023 13:27	mr.omkurund2107@gmail.com	Om kurund	Male	BBA(CA)	7588514777
98	8/6/2023 14:02	adityawagh999@gmail.com	Aditya Wagh	Male	BBA(CA)	8308910007
99	8/6/2023 14:33	priyankayadav14121999@gmail.com	PRIYANKA YADAV	Female	BBA	9834876990
100	8/6/2023 14:39	siddhantpawar797@gmail.com	Siddhant Vijay Pawar	Male	BBA	8657286986
101	8/6/2023 15:16	philipwairai2002@gmail.com	Philip vairai	Male	BA	7820915434
102	8/6/2023 15:28	tejalmane5222@gmail.com	Tejal dasasaheb mane	Female	B.Com	7499090359

103	8/6/2023 15:44	shivrajkoli1999@gmail.com	Shivraj Ashok koli	Male	B.Com	7775033847
104	8/6/2023 15:52	shwetamundhe55@gmail.com	Shweta Mundhe	Female	BBA	8888565305
105	8/6/2023 15:53	siddhantgat6238@gmail.com	Siddhant bhausaheb Gat	Male	BA	7249048928
106	8/6/2023 15:55	shridharkirve22@gmail.com	Shridhar Kirve	Male	BBA	7758880286
107	8/6/2023 16:14	pbhuvaneshwri@gmail.com	Bhuvaneshwari sanjay patil	Female	BA	9970818589
108	8/6/2023 16:40	manishbhosure72@gmail.com	Manish Bhosure	Male	BBA	8856069664
109	8/6/2023 16:43	gaikwadayush24@gmail.com	Ayush Gaikwad	Male	BBA	7385926706
110	8/6/2023 17:18	2018singhaniket@gmail.com	Aniket Kumar Singh	Male	BBA	9096857258
111	8/6/2023 17:55	gauravkurbade095@gmail.com	Gaurav	Male	B.Sc.	7773932077
112	8/6/2023 17:55	meghrajale077@gmail.com	Meghraj bhau kale	Male	B.Sc.	8830930367
113	8/6/2023 18:24	bhosureaditya@gmail.com	Aditya Bhosure	Male	BA	7887355454
114	8/6/2023 18:36	chavanpriyesh62@gmail.com	Priyash Sanjay chavan	Male	BA	7066131562
115	8/6/2023 18:44	rohityalmar@gmail.com	Rohit shashikant Yalmar	Male	BA	9823465295
116	8/6/2023 20:12	veershrirame5178@gmail.com	Virbhadra Shrirame	Male	BBA	7420849882
117	8/6/2023 20:14	nayarpriyanka1803@gmail.com	Priyanka Dilip Nayar	Female	B.Com	9028234846
118	8/6/2023 20:51	asmitahirsagar@gmail.com	Asmita Kshirsagar	Female	B.Sc.	7218082617
119	8/6/2023 20:55	gauravjadhav112128@gmail.com	Gaurav baban jadhav	Male	BA	9699765997
120	8/6/2023 21:22	ashishautade@9gmil.com	Ashish Vijay Autade	Male	B.Com	8459548191
121	9/6/2023 0:00	dipikeshpatil100@gmail.com	Dipikesh Patil	Male	BBA	9356712909
122	9/6/2023 6:37	itsrahulyaa05@gmail.com	Rahul Ankush Jadhav	Male	B.Com	7558277539
123	9/6/2023 6:48	adiiwagh7577@gmail.com	Aditya shashikant WAGH	Male	B.Com	8669887002
124	9/6/2023 6:54	kirangawai022@gmail.com	Kiran subhash gawai	Female	B.Com	7745033288
125	9/6/2023 7:00	gayatrialgur@gmail.com	Gayatri Siddharth Algur	Female	B.Com	7709401071
126	9/6/2023 7:02	narsalejayshree3@gmail.com	Mohare jayshree	Female	BA	9325094638
127	9/6/2023 7:16	moreshwarkore45@gmail.com	Moreshwar Santosh Kore	Male	B.Com	8208676427
128	9/6/2023 7:19	apekshajadhav0101@gmail.com	Jadhav Apeksha Balasaheb	Female	B.Com	9322081862
129	9/6/2023 7:19	shubhamgutte0931@gmail.com	Shubham arun gutte	Male	B.Com	9112932979
130	9/6/2023 7:20	ganeshrandave6101@gmail.com	Ganesh Jotiram Randave	Male	BA	9175275427
131	9/6/2023 7:26	gunjangore222@gmail.com	Gunjan uttam gore	Female	B.Com	7517675435
132	9/6/2023 7:29	prafullakamble02000@gmail.com	Prafulla Namdev Kamble	Male	B.Com	9172912818
133	9/6/2023 7:32	shahistapatan93@gmail.com	Shahista mohmmad pathan	Female	BA	9156321174
134	9/6/2023 7:34	yashgalande1@gmail.com	Yash Shantaram Galande	Male	BBA	7276568930
135	9/6/2023 7:38	avishkarkumbhar777@gmail.com	Avishkar Dinesh Kumbhar	Male	B.Sc.	7822895912
136	9/6/2023 7:50	adityamusale788@gmail.com	Aditya Musale	Male	B.Com	7887988637
137	9/6/2023 7:53	navnathgawade5055@gmail.com	Navnath Dattatray Gawade	Male	BA	7350045055
138	9/6/2023 7:57	pratikshagarje451@gmail.com	pratiksha Bharat garje	Female	B.Com	7822885285
139	9/6/2023 8:03	mayursabale@gmail.com	Mayur balaso sable	Male	BA	7719089613
140	9/6/2023 8:08	vilasangrakh2580@gmail.com	Vilas Kailas Angrakh	Male	BA	0992 170 7594
141	9/6/2023 8:12	rushikeshsasane143@gmail.com	Rushikesh suresh Sasane	Male	BA	7058410168
142	9/6/2023 8:13	manojghate03@gmail.com	Manoj Hanmant Ghate	Male	B.Com	9579293162
143	9/6/2023 8:16	kazisuhana1806@gmail.com	Suhana Mohammadhanif kazi	Female	B.Com	9175962826
144	9/6/2023 8:25	khanamaira106@gmail.com	Arfiya Riyaj Shaiikh	Female	B.Com	7038095979
145	9/6/2023 8:27	priteenikam038@gmail.com	Pritee Rajkumar nikam	Female	B.Com	9561724451
146	9/6/2023 8:36	Jogdandpooja7778@gmail.com	Pooja vishwnath jogdand	Female	BA	9921339936
147	9/6/2023 8:51	navanathshingare@gmail.com	Navanath dattarao shingare	Male	BA	8177875414
148	9/6/2023 9:08	waghmarebhimaar8@gmail.com	Bhimashankar Waghmare	Male	BA	7058305590
149	9/6/2023 9:11	sayyedardshad6352@gmail.com	Arshad Iqbal sayyed	Male	BBA(CA)	8999556589
150	9/6/2023 9:21	aartipatil7373@gmail.com	Aarti suryakant patil	Female	B.Com	9356548578
151	9/6/2023 9:24	rayneha977@gmail.com	Rai Neha Indrajit	Female	B.Com	8262871980
152	9/6/2023 9:25	shivangiy2012@gmail.com	Shivangi yadav	Female	B.Com	8600377218
153	9/6/2023 9:27	swatibhujbal1978@gmail.com	Swati Shantaram Zurunge	Female	BA	9511610717
154	9/6/2023 9:28	gawdeshubhangi1@gamil.com	Shubhangi Ramesh gawda	Female	B.Com	7821837556

155	9/6/2023 9:32	bambalekiran45@gmail.com	KIRAN BAMBALE	Male	B.Sc.	9011319243
156	9/6/2023 9:39	adityashindeedeshm@gmail.com	Aditya shinde	Male	BBA	8308787365
157	9/6/2023 9:44	rupeshgiri2822@gmail.com	Rupesh Bhagwan giri	Male	B.Com	7385925092
158	9/6/2023 9:46	meher Shah691@gmail.com	Meher Abdul shah	Female	B.Com	8830107094
159	9/6/2023 9:55	chetanbhujbal8030@gmail.com	Chetan Ramesh Bhujbal	Male	BA	9730605784
160	9/6/2023 9:58	tulsi5112003jadhav@gamil.com	Tulsi Rajendra Jadhav	Female	B.Sc.	9623888046
161	9/6/2023 10:04	mayurkallure172005@gmail.com	Mayur mahesh kallure	Male	B.Com	9022267801
162	9/6/2023 10:10	gauravgalande83@gmail.com	GAURAV GALANDE	Male	B.Com	8767285144
163	9/6/2023 10:13	madarrenuka2002@gmail.com	Renuka Ramappa Madar	Female	B.Com	9175783866
164	9/6/2023 10:31	ahosalli0@gmail.com	Ashwini Baburao Hosalli	Female	B.Com	9284976560
165	9/6/2023 10:33	kharadevishal17@gmail.com	Vishal Suresh Kharade	Male	B.Com	7820893304
166	9/6/2023 10:43	ashishsarade2147@gmail.com	Ashish Tanaji Sarade	Male	B.Com	9763680394
167	9/6/2023 10:44	8999naaz@gmail.com	Naazneen saifan qureshi	Female	B.Com	9604379288
168	9/6/2023 10:48	kunalDubey2562002@gmail.com	Ashish Ghanshyam Dubey	Male	B.Com	8855898159
169	9/6/2023 10:57	vaibhavshinde3785@gmail.com	Vaibhav shinde	Male	B.Com	9307021155
170	9/6/2023 11:04	manjulapendhare23@gmail.com	Manjula Vijay pendhare	Female	B.Com	8308596463
171	9/6/2023 11:11	akshaymkhot7@gmail.com	Akshay khot	Male	B.Com	9561820659
172	9/6/2023 11:19	rabu19041304@gmail.com	Rabiya Rukmoddin Shaikh	Female	B.Com	8379013791
173	9/6/2023 11:20	shejaleomkar804@gmail.com	Omkar kailas shejale	Male	B.Com	9881354790
174	9/6/2023 11:25	aditidhage59@gmail.com	Aditi rajendra dhage	Female	BBA	8263853705
175	9/6/2023 11:44	athravwalke63@gmail.com	Athrav	Male	B.Com	9527044509
176	9/6/2023 11:48	mohinimadane7138@gmail.com	Mohini	Female	B.Com	9860264398
177	9/6/2023 11:59	jneha5245@gmail.com	Neha Pramod Jadhav	Female	B.Com	9780801717
178	9/6/2023 12:00	nikhilghadge9013@gmail.com	Nikhil ghadge	Male	BA	7219802548
179	9/6/2023 12:06	priyankagaud0001@gmail.com	Priyanka Dharmraj wani	Female	BA	8010899280
180	9/6/2023 12:36	sushmaskamble2002@gmail.com	Sushma Siddharth kamble	Female	B.Com	8766058557
181	9/6/2023 12:39	shahistapatan93@gmail.com	Shahista mohmmad pathan	Female	BA	9156321174
182	9/6/2023 13:06	akshaychattar9009@gmail.com	Akshay Dattatray Chattar	Male	BA	8686899009
183	9/6/2023 13:50	tejastakwale@gmail.com	Tejas Santosh Takwale	Male	B.Com	8888275461
184	9/6/2023 14:09	shubhangidudhalmal@gmail.com	Shubhangi	Female	B.Sc.	9518935097
185	9/6/2023 14:11	bhosalesheetal331@gmail.com	Sheetal Bhosale	Female	B.Sc.	9175849245
186	9/6/2023 14:12	ajinkyabolbhat@gmail.com	Ajinkya	Male	BA	8408917991
187	9/6/2023 14:28	priyapawar097@gmail.com	Priyanka rajendra pawar	Female	B.Com	9764433869
188	9/6/2023 15:09	adagalepreeti7@gmail.com	Adagale preeti babasaheb	Female	B.Com	9699723637
189	9/6/2023 15:53	rasage.gauri@gmail.com	Gauri sharvan jadhav	Female	BA	9922163505
190	9/6/2023 16:57	navidshk204@gmail.com	Shaikh Navid Aslam	Male	BA	8308782824
191	9/6/2023 17:32	sharmasuraj311203@gmail.com	Suraj Sharma	Male	B.Com	8446726785
192	9/6/2023 17:37	dipaktilekar993@gmail.com	Dipak Sopan Tilekar	Male	BA	7498011235
193	9/6/2023 19:24	koliminakshi576@gmail.com	Koli minakshi bhima	Female	B.Com	7057006853
194	9/6/2023 20:15	sayalivetal@gmail.com	Sayali sonnath vetal	Female	BA	9730030766
195	9/6/2023 20:29	ashokpatange83@gmail.com	Ashok shubhash patange	Male	B.Com	7038434287
196	9/6/2023 20:50	usarode070@gmail.com	Usha damodar Sarode	Female	BA	7498449096
197	9/6/2023 20:59	shriramevaishnavi5@gmail.com	Vaishnavi madhav shrirame	Female	BBA(CA)	9022297563
198	9/6/2023 21:33	paswananisha622@gmail.com	Anisha vishnudev paswan	Female	B.Com	9579441095
199	9/6/2023 22:00	shaikhsofin99@gmail.com	Sofin Dastagir Shaikh	Female	B.Com	9022946055
200	10/6/2023 8:44	kalshettibhagyashri63@gmail.com	Bhagyashree Santosh Kalshetti	Female	B.Com	8263925135
201	10/6/2023 10:16	Shaikhsahil125261@gmail.com	Karishma Jabbar shaikh	Female	BA	8767522747
202	10/6/2023 11:47	dagadenavanath1@gmail.com	Sawant petrol pump	Male	BA	8010999624
203	10/6/2023 11:49	aniltilekar123@gmail.com	Anil Tilekar	Male	BA	7744027293
204	10/6/2023 11:51	ashleshapandit438@gmail.com	Ashlesha Raju Pandit	Female	BBA(CA)	9022309060
205	10/6/2023 11:52	shreyass0004@gmail.com	Shreyas Vinod chembanezath	Male	BBA	7559429865
206	10/6/2023 11:52	ksampada60@gmail.com	Kotwal Sampada Popat	Female	B.Com	9975652971

207	10/6/2023 11:53	sakshishinde2504@gmail.com	Sakshi Santosh Shinde	Female	BBA	7558779229
208	10/6/2023 11:54	vrushalilande9923@gmail.com	Lande Vrushali Nandu	Female	BBA	7385420769
209	10/6/2023 11:54	nehagoreum@gmail.com	Neha Uttam Gore	Female	B.Com	9527287172
210	10/6/2023 11:55	jadhavpradeep158@gmail.com	Pradeep	Male	BBA(CA)	7798572417
211	10/6/2023 11:56	saurabhvyavahare@gmail.com	Saurabh Bharat Vyavahare	Male	BBA	9359244654
212	10/6/2023 12:06	gauravwagh199@gmail.com	Gaurav wagh	Male	B.Com	7769025523
213	10/6/2023 12:08	ajaykatkhade@gmail.com	Sanika Katkhade	Female	BBA(CA)	7350843720
214	10/6/2023 12:10	punekar.ayaz07@gmail.com	Ayyaj Aliemam Shaha	Male	BBA	9028158945
215	10/6/2023 12:12	varshadhobe3@gmail.com	Varsha Vikram Dhobe	Female	BBA	7350843720
216	10/6/2023 12:12	ppujari2403@gmail.com	Prasanna Pujari	Male	BBA	8766740026
217	10/6/2023 12:16	shreeshakalge5@gmail.com	Shreesha Shyam Kalge	Female	BBA(CA)	9209041476
218	10/6/2023 12:20	ruchitakatta2003@gmail.com	Katta Ruchita Dattatraya	Female	BBA	8625869625
219	10/6/2023 12:27	swapnilgude456@gmail.com	SWAPNIL GUDE	Male	BA	7218939389
220	10/6/2023 12:31	mlkale205@gmail.com	Kale Mahadev Laxman	Male	BBA(CA)	7887332203
221	10/6/2023 12:36	yogeshmusale021@gmail.com	Musale Yogesh Sharmila	Male	B.Com	9284386622
222	10/6/2023 12:43	rohitkachi44444@gmail.com	Rohit Kachi	Male	BBA	9325137462
223	10/6/2023 12:46	walkeaniket0@gmail.com	Aniket walke	Male	B.Com	7776990891
224	10/6/2023 13:03	aniketjadhav1608@gmail.com	Aniket Rajesh Jadhav	Male	BBA	9359238108
225	10/6/2023 13:13	sonaliwable2002@gmail.com	Sonali sunil wable	Female	B.Com	77588 00371
226	10/6/2023 13:17	ajaychaudhari8745@gmail.com	Ajay Dagadu choudhari	Male	B.Com	9527977158
227	10/6/2023 13:57	nandumosambe@gmail.com	Nandu	Male	BBA(CA)	9021427303
228	10/6/2023 14:10	abhisheknikade2003@gmail.com	Abhishek Nikade	Male	BBA(CA)	9765274789
229	10/6/2023 14:15	virusao44332@gmail.com	Viru Ravindra Sao	Male	BBA	9823165029
230	10/6/2023 14:40	simrangaikwad261199@gmail.com	Gaikwad Simran Balu	Female	B.Com	9767908215
231	10/6/2023 15:11	sam834786@gmail.com	SANJAY LOHIYA	Male	BBA(CA)	8379876482
232	10/6/2023 15:11	shubhamdudhalmal77@gmail.com	Shubham dudhalmal	Male	B.Com	7666778220
233	10/6/2023 17:56	shek.jangam@gmail.com	Chandrashekhar Jangam	Male	BBA	8857928575
234	10/6/2023 18:13	kiranlekurwale21@gamil.com	kiranlekurwale211@gamil.com	Female	B.Com	9022566928
235	10/6/2023 18:30	harshalpatil9067@gmail.com	Harshal patil	Male	BBA(CA)	9067605488
236	10/6/2023 18:37	siddhirahul123789@gmail.com	Siddhi shirke	Female	BA	7498520400
237	10/6/2023 18:59	abhinavwalke27@gmail.com	Abhinav Walke	Male	BBA	9070408866
238	10/6/2023 19:01	pavanshinde30332@gmail.com	Pavan shinde	Male	B.Com	9518702551
239	10/6/2023 19:42	anutapre@gmail.com	Anuradha Nana tapre	Female	B.Com	7038442286
240	10/6/2023 20:01	abhijitp4190@gmail.com	Abhijit subhash pendhpale	Male	BBA	9766437176
241	10/6/2023 20:03	shindepooja5354@gmail.com	Pooja Shinde	Female	BBA(CA)	9307338036
242	10/6/2023 20:15	pandharibhalekar4621@gmail.com	Pandharinath Manik bhalekar	Male	BBA	8830400003
243	10/6/2023 20:40	dishatambalkar@gmail.com	Disha balaji tambalkar	Female	B.Com	7219040961
244	10/6/2023 20:48	shaikhnaajmin345@gmail.com	Najmin babasaheb shaikh	Female	B.Com	8956010480
245	10/6/2023 20:48	abhishekreddy920@gimal.com	Abhishek munoor	Male	BBA	8888656808
246	10/6/2023 21:03	happymylife143@gmail.com	Sneha Bhikaji Suryawanshi	Female	BBA(CA)	9665518676
247	10/6/2023 23:25	swamibagle@gmail.com	Vaishnavi Krishna Bagle	Female	B.Com	7058712447
248	10/6/2023 23:56	dishanandal486@gmail.com	Disha Nandal	Female	B.Com	93227 45677
249	11/6/2023 8:16	rohiniramesh73@gmail.com	Rohini Ramesh gaikwad	Female	BA	8263008128
250	11/6/2023 8:27	sakshigaikwad22284@gmail.com	Sakshi govind gaikwad	Female	B.Com	7020994363
251	11/6/2023 9:10	pratiksasane936@gmail.com	Nisha Raju Sasane	Female	BA	9096701834
252	11/6/2023 9:48	dnyaneshwardaule8@gmail.com	Dnyaneshwar M Daule	Male	BBA(CA)	7722018944
253	11/6/2023 10:05	pallavisasane2527@gmail.com	Pallavi sasane	Female	BA	8459346862
254	11/6/2023 12:11	PawarPooja4357@gmail.com	Pooja krushna pawar	Female	BA	7620944692
255	11/6/2023 13:11	sankkale9049@gmail.com	Kale sanket ganesh	Male	BBA(CA)	9049527597
256	11/6/2023 15:12	surendragade7755@gmail.com	Dipti Mahendra nikalaje	Female	BBA(CA)	7755939212
257	11/6/2023 17:12	asmitamachale05@gmail.com	Asmita Prashant Machale	Female	B.Sc.	9765422133
258	11/6/2023 18:02	mohitmarathe1201@gmail.com	Mohit Raosaheb Marathe	Male	B.Sc.	7822893873

259	11/6/2023 19:24	akashnapte1657@gmail.com	Akash napte	Male	B.Sc.	8767015037
260	12/6/2023 0:40	ranijagadhane24@gmail.com	8380821647	Female	BA	8380821647
261	12/6/2023 14:21	dikshapati1994@gmail.com	Diksha shripatrao Patil	Female	B.Sc.	8010616366
262	12/6/2023 14:27	smthurkar@gmail.com	Sangeeta pathare	Female	BA	9.1735E+11
263	12/6/2023 18:49	nrpatil660@gmail.com	Nishant Ramu Patil	Male	BBA(CA)	9284468608
264	12/6/2023 19:44	rahulbjagdale@gmail.com	Dr. Rahul Baban Jagdale	Male	BA	9822948469
265	12/6/2023 19:48	apalondhe@gmail.com	Appa Ramchandra Londhe	Male	BA	9075183446
266	12/6/2023 22:46	vnidhonkar@gmail.com	Prof. Vrushali Nidhonkar	Female	B.Sc.	9823099739
267	12/6/2023 23:25	sooraj12888@gmail.com	Suraj Paswan	Male	BBA	9767612888
268	09:41:28	karishmaj.shaiikh@gmail.c.com	Karishma shaiikh	Female	BA	8767522747
269	13:37:30	ram90kendre@gmail.com	Kendre Ramji shankar	Male	BA	9673249972
270	13:37:48	vitukadetatya@gmail.com	laxman bharat vitukade	Male	B.Com	7767070720
271	13:39:05	badheprajyot@gmail.com	Prajyot badhe	Male	B.Com	9359249685
272	13:39:43	priyankahajare2002@gmail.com	Hajare priyanka shivaji	Female	B.Com	7498947939
273	13:44:35	lahujichavan241981@gmail.com	Chavan I.D.	Male	BA	9767121028
274	13:46:27	aniketlonare2706@gmail.com	Prajwal Vasant Lonare	Male	B.Com	9527236762
275	13:49:00	saurabhtapare@gmail.com	SAURABH U TAPARE	Male	BBA	9881661333
276	13:49:38	gaikwadashwini6586@gmail.com	Gaikwad Ashwini Suresh	Female	BA	8983776875
277	13:51:28	magarbhairavnath@gmail.com	Bhairavnath Balu Magar	Male	BA	9834241381
278	13:56:11	jayantomandal007@gmail.com	Jayanto Mandal	Male	BBA	8600004074
279	13:57:00	rpshrimal@gmail.com	Ravi Prakash Shrimal	Male	BA	9503547502
280	14:00:17	vivekkute26022003@gmail.com	Vivek kute	Male	B.Com	9168884396
281	14:11:19	ektakokane@gmail.com	Ekta Kokane	Female	BBA(CA)	9767449522
282	14:14:33	piyushghadigaonkar79@gmail.com	Piyush Ghadigaonkar	Male	BBA(CA)	9322314839
283	14:22:30	atishtupare31@gmail.com	aatish tupare	Male	B.Com	9359368113
284	14:25:14	kamblerahulgoving2003@gmail.com	Kamble Kamaji Govind	Male	BBA(CA)	7058104165
285	14:27:10	aadeshsatav5787@gmail.com	Aadesh Ramesh Satav	Male	BBA	7448272844
286	14:33:22	kiransakore2005@gmail.com	Kiran kaluram sakore	Female	B.Sc.	9834246997
287	14:56:16	aartichavan12022003@gmail.com	Aarti hanumant chavan	Female	B.Com	8390886069
288	15:11:49	vg6153052@gmail.com	Vishal vishwambhar gaikwad	Male	B.Com	8421518155
289	16:07:31	jadhavpradeep158@gmail.com	Pradeep Jadhav	Male	BBA(CA)	7798572417
290	16:09:02	yk9049711139@gmail.com	Yogesh santhosh kshirsagar	Male	BBA(CA)	9049711139
291	16:44:30	sanjaygira29@gmail.com	Rukmani Sanjay Giri	Female	BA	9579883159
292	19:07:31	rockyghule6415@gmail.com	Rushikesh balasaheb ghule	Male	B.Com	7249159787
293	19:41:15	dhotrekiran783@gmail.com	Kiran sanjay dhotre	Male	BBA	9579999393
294	20:49:37	Vishubh10@gmail.com	Shubham Vishwakarma	Male	BBA(CA)	9699788762
295	20:52:53	ravikb09999@gmail.com	Ravi Kumar	Male	BBA(CA)	6205463580
296	22:23:39	mobinshaikh2580@gmail.com	Shadab shaikh	Male	BA	9665922357
297	22:37:13	pramodsukale4145@gmail.com	Dadarav Sukale	Male	B.Com	9765590247
298	23:12:52	pallavibansode09@gmail.com	Pallavi Atmaram Gaikwad	Female	BA	8390558624
299	00:08:41	happymylife143@gmail.com	Sneha Bhikaji Suryawanshi	Female	BBA(CA)	9665518676
300	08:59:32	ajinkyabolbhat@gmail.com	Ajinkya	Male	BA	8408917991
301	11:58:32	priyapawar097@gmail.com	Priyanka rajendra pawar	Female	B.Com	9764433869
302	17:58:50	adagalepreeti7@gmail.com	Adagale preeti babasaheb	Female	B.Com	9699723637
303	10:55:09	rasage.gauri@gmail.com	Gauri sharvan jadhav	Female	BA	9922163505
304	10:56:18	navidshk204@gmail.com	Shaikh Navid Aslam	Male	BA	8308782824
305	10:58:49	sharmasuraj31122003@gmail.com	Suraj Sharma	Male	B.Com	8446726785
306	10:58:51	dipaktilekar993@gmail.com	Dipak Sopan Tilekar	Male	BA	7498011235
307	11:01:05	koliminakshi576@gmail.com	Koli minakshi bhima	Female	B.Com	7057006853
308	11:02:10	sayalivetal@gmail.com	Sayali sonnath vetal	Female	BA	9730030766
309	11:04:32	ashokpatange83@gmail.com	Ashok shubhash patange	Male	B.Com	7038434287
310	11:05:53	usarode070@gmail.com	Usha damodar Sarode	Female	BA	7498449096

311	11:06:03	shrimevaishnavi5@gmail.com	Vaishnavi madhav shrirame	Female	BBA(CA)	9022297563
312	11:07:15	paswananisha622@gmail.com	Anisha vishnudev paswan	Female	B.Com	9579441095
313	11:09:15	shaikhsofin99@gmail.com	Sofin Dastagir Shaikh	Female	B.Com	9022946055
314	11:09:27	kalshettibhagyashri@gmail.com	Bhagyashree Kalshetti	Female	B.Com	8263925135
315	11:09:32	Shaikhsahil125261@gmail.com	Karishma Jabbar shaikh	Female	BA	8767522747
316	11:09:33	dagadenavanath1@gmail.com	Sawant petrol pump	Male	BA	8010999624
317	11:09:36	aniltilekar123@gmail.com	Anil Tilekar	Male	BA	7744027293
318	11:09:45	ashleshapandit438@gmail.com	Ashlesha Raju Pandit	Female	BBA(CA)	9022309060
319	11:09:52	shreyass0004@gmail.com	Shreyas V chembanezath	Male	BBA	7559429865
320	11:10:05	ksampada60@gmail.com	Kotwal Sampada Popat	Female	B.Com	9975652971
321	11:10:08	sakshishinde2504@gmail.com	Sakshi Santosh Shinde	Female	BBA	7558779229
322	11:10:17	roshanbarwa7878@gmail.com	Roshan james barwa	Male	BBA	9096790021
323	11:10:24	madhaviwadhawe@gmail.com	Madhavi Balaji wadhawe	Female	BA	9130571638
324	11:11:05	karansharmaks5199@gmail.com	Karan Vishnu sharma	Male	BBA	7558421790
325	11:13:00	sakshigawade335@gmail.com	Sakshi Tanaji Gawade	Female	B.Sc.	9075241028
326	11:14:09	ishachoudhari999@gmail.com	Isha choudhari	Female	B.Sc.	8459772256
327	11:14:55	rs0473177@gmail.com	RAVI Sharma	Male	BBA	7020352208
328	11:22:42	sahilsingh8464@gmail.com	Sahil singh	Male	BBA	9834579401
329	11:26:03	tejasvinod2002@gmail.com	Tejas Vinod chembanezathu	Male	BBA	7741080149
330	11:27:23	pavankhemadepk83@gmail.com	Pavan bandu khemade	Male	BA	9764370487
331	11:04:32	moregaaurav6573@gmail.com	GAURAV MORE	Male	BBA	9370025411
332	11:05:53	aadarsh0520@gmail.com	adarsh Narayan khandagale	Male	BA	9130782952
333	11:06:03	ajayrathod26022003@gmail.com	Ajay Vijay Rathod	Male	B.Com	9022609880
334	11:07:15	gautamrane21@gmail.com	Gautam Narayan Rane	Male	B.Sc.	8975017895
335	11:09:15	kunalgaikwad4612@gmail.com	Kunal Gaikwad	Male	BA	9922594548
336	11:09:27	sanketbhor79@gmail.com	Sanket bhanudas bhor	Male	B.Com	9370362969
337	11:09:32	kirdeprashant@gmail.com	Prashant digambar kirde	Male	B.Com	7499346535
338	11:09:33	Pathankhushbu18@gmail.com	Pathan khushbu liyakat	Female	B.Com	8698162438
339	11:09:36	gayatrigiri104@gmail.com	Giri Gayatri Bhagwan	Female	B.Com	9730446716
340	11:09:45	diptigunjal0707@gmail.com	Dipti Dattatray Gunjal	Female	B.Com	8484833600
341	11:09:52	moremadhav0707@gmail.com	Madhav govind more	Male	B.Com	8409010707
342	11:10:05	rahuldhekale1190@gmail.com	Rahul Santosh Dhekale	Male	B.Com	9763163290
343	11:10:08	jaunjalMeghna56@gmail.com	Meghna arun Jaunjal	Female	B.Com	8975861478
344	11:10:17	sandhyafalke716@gmail.com	Sandhya falke	Female	B.Com	9022474606
345	11:10:24	madhuri.27.kakade@gimel.com	Madhuri Subhash kakade	Female	BA	7058095008
346	11:11:05	ajaykendre7666@gmail.com	Ajay balaji kendre	Male	B.Com	7666041316
347	11:13:00	suniltilekar28@gmail.com	SUNIL BABAN TILEKAR	Male	B.Sc.	9420858558
348	11:14:09	abhikamble.1792@gmail.com	Abhishek balasaheb kamble	Male	BBA(CA)	7066006916
349	11:14:55	avinash200215@gmail.com	Avinash sidram kamble	Male	BBA(CA)	9545443235
350	11:22:42	anitagore1984@gmail.com	Gore Anita	Female	BBA	8421466401
351	11:26:03	nitudarekar61@gmail.com	Nitesh Tanaji Darekar	Male	BBA(CA)	7058242015
352	11:27:23	sarikaa0033@gmail.com	Salve Sarika kantilal	Female	B.Com	8766527737
353	11:37:08	patil.suvarna101@gmail.com	Gholap S Shailendra	Female	Sci.)	7875447205
354	11:39:26	shaikhisrail374@gmail.com	Israil Shaikh	Male	BBA(CA)	8379947628
355	11:46:31	tushar.ghorpad6@gmail.com	Tushar Ghorpade	Male	Sci.)	9595994700
356	11:58:05	laxmilondhe9090@gmail.com	Laxmi Londhe	Female	BBA	9146311269

BIO-GEO CONSULTANCY

School, Colleges, Company Green, Carbon Credit, Gender Audit etc.
Neelkanth Society, Bombay Sappers Colony, Wadgaonsheri, Pune. 14
Email ID jyotirammore@gmail.com Mobile Number : 8983349170

BGC/GA/2021-22/43

DATE 30/03/2023

GENDER AUDIT CERTIFICATE

*This is certified that **Vikas Pratishthan's** prepared by Bio- Geo Consultancy with due cooperation of the Principal and staff of **Late Tukaram Dhondiba Pathare Arts, Commerce and Science College, Chandannagar, Pune Maharashtra State, India**, has conducted in September 2022 to access the gender initiative planning, efforts, activities, implemented in the college campus like survey, interviews, observations & Various gender Activities. This Gender Audit is also aimed to access impact of equivalent initiatives for maintenance of the campus eco-friendly.*

Place : Pune

Date : 30/03/2023



(Dr. Praveen G. Saptarshi)

Auditor



(Dr. Jyotiram More)

Coordinator



**VIKAS PRATISHTHAN'S
LATE TUKARAM DHONDIBA PATHARE
ARTS, COMMERCE AND SCIENCE COLLEGE**

UNIPUNE ID : CAAP013450 AFFILIATION ID : PU/PN/SC218/2005

**GREEN AUDIT REPORT
2022-2023**

of

**Late Tukaram Dhondiba Pathare Arts, Commerce &
Science College,
Chandannagar, Pune.**

Year 2022-23

Submitted to

The Principal,

**Late Tukaram Dhondiba Pathare Arts, Commerce & Science
College, Chandannagar, Pune.**

BY

Bio-Geo Consultancy, Pune.

Late Tukaram Dhondiba Pathare Arts, Commerce & Science College



**VIKAS PRATISHTHAN'S
LATE TUKARAM DHONDIBA PATHARE
ARTS, COMMERCE AND SCIENCE COLLEGE**

UNIPUNE ID : CAAP013450 AFFILIATION ID : PU/PN/SC218/2005

Our Vision

Social Transformation Through Dynamic Education

Our mission

To make significant contribution in social development through holistic education of the students who should be able to face the challenges of this complex world with a smile, as responsible global citizens. To impart world class education that shall foster academic excellence, physical fitness, psychological and spiritual health, social consciousness and concern for environment in each of our student. To develop critical thinking and analytical ability in our students. To provide an environment in which every student discovers and realizes his full potential. To develop empathy in our students.

OurMotto:

Social Transformation through Education

GREEN AUDIT REPORT 2022-2023

Principal's Message



I am pleased to offer my message on the occasion of the publication of Report of 'Green Audit'. It is really grateful to work in Vikas Pratisthan's Late Tukaram Dhondiba Pathare Arts, Commerce & Science college Chandannagar, Pune. It is my honor and privilege to be writing to you as your principal.

Students, I am aware that only infrastructure and impressive building do not create a desirable education. The powerful manpower with brilliant professional skills and sound knowledge of global world makes collage perfect. Our teachers play an important role in creating ideal and unique students with scientific, democratic, spiritual and universal principles. Elevated moral values and positive sense of globalization should be of prime concern in our college. Our many students and faculty have been presenting papers in nationalized and International conferences, and many have published their effort in research journals of reputation. Our quality in academics and connected area has been acknowledged by **NAAC** committee.

Most importantly, environmental values inculcated in our students help to create environmental concern in the villages around the college. We also try to train our students to identify environmental opportunities with the activities like organic farming, fodder development, optimal use of water for agriculture, etc.

Green Audit is useful for all of us to understand environmental resources in scientific way. The report would be useful for us for future development. Efforts made by our institution for the protection of environment and biodiversity conservation have been well appreciated in the audit. It encourages us for further strengthening environment of our campus in particular and the areas around in general. I express my heartfelt thanks to expert members of team carrying out Green Audit of our campus.

Prin. Dr. Jagdale R. B.

Preface

The concept of 'GREEN AUDIT-2022-23' was put forth by Hon'ble Shri Pandharinath Pathare, President, Vikas Pratisthan's Late Tukaram Dhondiba Pathare Arts, Commerce & Science college Chandannagar, Pune. He is involved in tree plantation programmes for the last 50 years. Being visionary and committed to upliftment of weaker section of society he is always proactive for environmental conservation. He has demonstrated how eco-friendly campus can provide healthy and comfortable atmosphere for the school/college going children. It was his idea to carry out green audit for the campus of College. We are happy to shoulder the responsibility.

Green audit of a college campus aims at understanding the present environmental status and to find out ways to internalize environmental issues which are well felt externally. It is also an attempt to develop initiative of all the stakeholders, viz. management, Principal, staff, students and parents to develop campus which ensures clean and green environment for learners. We also hope that such kind of exercise can develop environmental awareness among the families of students and in turn villages. With this vision in mind attempt has been made to document the green status of the campus adopting proper tools and methodology. For this, aspects like landscaping and plantation, solid waste management, recycling of waste water, conservation of energy, water conservation, rainwater harvesting and minimum usage of paper, E-Waste collection, segregation of wet and dry waste, etc. have been considered for our observations.

We are happy to note that the college exhibits almost all the aspects of "Green Campus" with participation of stakeholders in true sense of the term. It is well reflected in the activities like tree plantation with good phyto-diversity, organic farming, rain water harvesting, wastewater management, green building, use of renewable resources etc.

Acknowledgements

We take this opportunity to express our gratitude towards the founder president of the Institute Hon'ble Shri Pandharinath Pathare,, and his colleagues in the management council. We also express sense of gratitude towards Honorable Shri Pandharinath Pathare, Chairman, Vikas Pratisthan's Late Tukaram Dhondiba Pathare Arts, Commerce & Science college Chandannagar, Puneand Local Management Committee of the college for their valuable guidance, continuous encouragement, generous gift of time with constructive criticism and suggestion during the composition of work of entire 'Green Audit Report-2022-2023.

We express our deep sense of gratitude to Principal **Dr. Rahul Jagdale** who inspired and encouraged us throughout the work. We gratefully acknowledge the help provided by them on several occasions. The assistance provided by Prof. Geetanjali Gatkhal (NAAC Coordinator), Prof. Anita Gore, Prof. Londhe Dhanshree along with all staff members and students proved to be valuable to make the report in proper shape.

Place: Pune

Date: 2/06/2023

Details of the Institute:

- | | | |
|----|---|---|
| 1 | Organization Name | Late TukaramDhondibaPathare Arts, Commerce & Science College, <i>Chandannagar, Pune</i> |
| 2 | Legal Status | Non Granted |
| 3 | Contact Person / M R | Dr. Rahul Jagdale |
| 4 | Contact Information ((Mobile / Phone Number / Email / Website Address) | Mobile : 9822948469
Email ID: rahulbjagdale@gmail.com
Website: http://www.vpltdpc.com/ |
| 5 | Complete Correspondence Address with Pin Code | Late TukaramDhondibaPathare Arts, Commerce & Science [B.B.A., B.B.A.(C.A.), B.SC.(COMPUTER SCIENCE)] Senior college, Nagar Rd, Bhaji Market, Chandan Nagar, Pune, Maharashtra 411014 |
| 6 | No. of Employees – Full Time / Part Time / Temporary at each site in each shift | Teaching – 12
Non Teaching - 9 |
| 7 | Significant Business Processes & Products | Education Purpose |
| 8 | Outsourced Processes | NIL |
| 9 | Standard Required | ISO 14001:2015 & OHSMS 45001:2018 (IMS) |
| 10 | Have you hired Services of Consultant? Give Details. | No |
| 11 | Proposed Scope of Certification | The main objective of a green audit is to adapt the academic to the operational activities of the organization. In short, green auditing is a systematic assessment of day-to-day activities in terms of resource use and waste management to find ecofriendly and non-ecofriendly practices on campus. |
| 12 | Do you have an internal | Yes |

GREEN AUDIT REPORT 2022-2023

- environmental audit programme?
- 13 Do you have a register of significant environmental aspects? Yes
- 14 Does your organization require noc from state pollution control board? Yes
If yes, status of registration.
- 15 Have you ever had a major accident due to safety failure or death due to occupational health occurred in the last 1 year? No
- 16 Do you have a full time safety officer? If yes, Name and Contact details Yes
- 17 Have you designated am assembly point in case of any emergency? Yes
- 18 Do you have a First Aid Post / Attendant? Yes

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About Pune City:

Pune is the second-largest city in the state of Maharashtra after Mumbai, and is an important city in terms of its economic and industrial growth. Once the centre of power for the Maratha Empire, Pune's rich historical past has made it the cultural capital of Maharashtra. Home to many colleges and universities, Pune is considered a prestigious educational destination, winning itself the title of "The Oxford of the East". Pune has emerged as a new startup hub in recent years with information technology (IT), engineering and automotive companies sprouting. The city is also known for cultural activities such as classical music, theatre, sports and literature. According to the Ease of Living Index 2020, Pune was ranked as the second-best city to live in India.

Pune is among the 109 cities shortlisted in India's Smart Cities Mission, and the smart city development plan. The city's key priorities are to improve urban mobility, provide access to water, enhance citizen outreach efforts, and improve infrastructure in energy, housing, safety and security. The Smart Cities report card by India's Urban Development Ministry ranked Pune the eighth-fastest city in implementing its Smart City plan.

Pune is a municipal council in the Indian state of Maharashtra.

Country	India
State	Maharashtra
District	Pune
Government Body	Municipal Council
Elevation	560 m (1,839 ft)
Total Population (2011)	4307000
Official Languages	Marathi
Time zone	UTC+5:30 (IST)
PIN	411014
Vehicle registration	MH-12

Climate:

Pune has a tropical wet and dry climate, closely bordering upon a hot semi-arid climate with average temperatures ranging between 20 and 28 °C (68 and 82 °F).^[89] Pune experiences three seasons: summer, monsoon, and winter. Typical summer months are from mid-March to mid-June, with maximum temperatures sometimes reaching 42 °C (108 °F). The

warmest month in Pune is May. The city often has heavy dusty winds in May, with humidity remaining high. Even during the hottest months, the nights are usually cool due to Pune's high altitude. The highest temperature recorded was 43.3 °C (109.9 °F) on 30 April 1897.

The monsoon lasts from June to October, with moderate rainfall and temperatures ranging from 22 to 28 °C (72 to 82 °F). Most of the 722 mm (28.43 in) of annual rainfall in the city falls between June and September, and July is the wettest month of the year. Hailstorms are not unheard of. For most of December and January the daytime temperature hovers around 29 °C (84.2 °F) while overnight temperatures are below 12 °C (53.6 °F). The lowest temperature recorded was 1.7 °C (35.1 °F) on 17 January 1935. On 1 March 2015, the city recorded a daytime high of only 18.9 °C (66 °F), which was the lowest recorded maximum temperature. On 11 May 2023, Koregaon Park recorded a temperature of 44.4°C (112°F).

Meteorology / Climate

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Record high °C (°F)	35.3	38.9	42.8	43.3	43.3	41.7	36	35	36.1	37.8	36.1	35
	-95.5	-102	-109	-	-	-	-96.8	-95	-97	-100	-97	-95
Average high °C (°F)	29.8	32.1	35.6	37.6	36.9	31.9	28.3	27.6	29.4	31.5	30.4	29.2
	-85.6	-89.8	-96.1	-99.7	-98.4	-89.4	-82.9	-81.7	-84.9	-88.7	-86.7	-84.6
Average low °C (°F)	11.2	12.2	15.7	19.6	22.6	23.1	22.4	21.7	20.9	18.4	14.5	11.5
	-52.2	-54	-60.3	-67.3	-72.7	-73.6	-72.3	-71.1	-69.6	-65.1	-58.1	-52.7
Record low °C (°F)	1.7	3.9	7.2	10.6	13.8	17	18.9	17.2	13.2	9.4	4.6	3.3
	-35.1	-39	-45	-51.1	-56.8	-62.6	-66	-63	-55.8	-48.9	-40.3	-37.9
Average rainfall mm (inches)	1.1	0.3	2.2	8.5	26.8	173.4	181.4	145.2	146.1	86.3	25	7
	-0.04	-0.01	-0.09	-0.33	-1.06	-6.83	-7.14	-5.72	-5.75	-3.4	-0.98	-0.28
Average rainy days	0.2	0.1	0.2	0.8	1.9	9.5	12.4	9.8	8	4.4	1.2	0.3
Average relative humidity (%)	34	26	21	24	37	66	76	79	73	53	43	39
Mean monthly sunshine hours	294.5	282.5	300.7	303	313.1	183	114.7	111.6	177	244.9	264	279
Mean daily sunshine hours	9.5	10	9.7	10.1	10.1	6.1	3.7	3.6	5.9	7.9	8.8	9

Demographics:

The current estimate population of Pune city in 2023 is 4,307,000, while Pune metro population is estimated at 6,975,000. The last census was conducted in 2011 and the schedule census for Pune city in 2021 was postponed due to Covid. The current estimates of Pune city are based on past growth rate. Once government conducts census for Pune city, we will update the same here in 2023. As per provisional reports of Census India, population of Pune in 2011 is 3,124,458. Although Pune city has population of 3,124,458; its urban / metropolitan population is 5,057,709.

Introduction:

Late Tukaram Dhondiba Pathare Arts, Commerce and Science College, Pune is a very popular college in the state of Maharashtra. Late Tukaram Dhondiba Pathare College, Pune was established in 2005. It is one of the leading college in Arts, Humanities and Social Sciences, Business Finance and Commerce, Computer Science and Science and Mathematics. It is located in Pune, Maharashtra. 5 courses are taught in this institution. It provides UG course only. Under the Arts, Humanities and Social Sciences, 1 course is available. For Under Graduate studies, B.A. is the only course taught. Under the Business Finance and Commerce, there are a total of 2 courses. For Under Graduate studies, BBA and B.Com. are available for enrolment. Under the Computer Science, there are a total of 2 courses. For Under Graduate studies, BCA and B.Sc. (Computer Science) are available for enrolment. Under the Science and Mathematics, 1 course is available. For Under Graduate studies, B.Sc. (Computer Science) is the only course taught

Green audit is defined as it is ultimately about corporate responsibility. It is the process of assessing the environment impact of an organization, process, project, product etc. An examination of what a company is doing to prevent its business activities from harming the environment (Macmillan).

We are making green audit of campus and facilities to keep environment of college campus eco-friendly, we conduct various activities

Objectives of the study:

The main objective of the green audit to promote the environment management and conservation in the college campus. The purpose of the audit is to identify, quantify, describe

and priorities frame work of environment sustainability in compliance with the applicable regulations, policies and standards.

The main objectives of carrying out Green audit are.

- To introduce and aware students regarding importance of our surrounding environment and its protection.
- To secure the environment and minimize the threats posed to human health by analyzing the pattern and extent of resource use on the campus
- To establish a baseline data to assess future sustainability by avoiding the interruptions in environment that are more difficult to handle and their corrections requires high cost.
- To bring out a status report on In order to perform Green audit, the methodology environment due to the activities of the institution.
- To find the innovative ideas to minimize the future threats to the environment.

Methodology:

- Included different tools such as survey of campus plant, physical inspections of the campus, observation and review of the documentation, interviewing key persons and data analysis, measurements and recommendations. The study covered the following areas to summaries the present status of environment management in the campus;
- Water management
- Energy conservation
- Waste management
- E-waste management
- Green area management

Landscaping and Plantation:

Important Aim and objective of plantation are as below

Aim:

- 1)To develop campus eco-friendly
- 2)To creates healthy environment for learning

Objectives:

- 1) Plants provides natural oxygen
- 2) Plants keeps surrounding environment clean and cool

- 3) Plants protect from dust which are collected on foliage
- 4) Trapping of dust on leaves creates dust free environment in building.
- 5) Increase aesthetic view of the campus
- 6) Plants are important it creates natural habitat for birds and animal.

Landscaping: Landscape is an art to develop specific space of land into green with aesthetic view commonly called as 'beautification'. Earlier our college campus land was a bare land. After establishment of the this college, near about 1 acres of land has various buildings such as canteen, school, senior college, junior college toilet building surrounding area of the building were campus green, it was disaster for us because without plants how this campus can breath after 18 years of efforts now our project developed as one of the Eco-friendly campus whole campus is divided for specific type of plantation now in our campus green by planting of 3 species of plants. Students of earn & learn, N.S.S., Nature Club, and non-teaching staff take care of the campus and keep the campus green and clean.

Plantation:

Aims and Objectives:

- 1) To create healthy environment
- 2) To develop the natural habitat in the campus
- 3) Increase oxygen level of the campus.
- 4) Keep surrounding environment cool.
- 5) Plants give shade.
- 6) Plant gives natural habitat for birds and animals including micro-organism

Plantation of plant sapling had been implemented as per location, different variety of plans are planted in various places with keeping aesthetic view and type of soil texture.

Table –I : Habit Survey of Campus Plants

Sr.No	Habit	Number
1	Trees	33
2	Shrubs	30
3	Herbs	00
4	Climbers	00

Table –II :Number of Plants Present in Campus

Sr. No.	Botanical Name	Common Name	Family	Habit	No. of Plants
1	AdeniumobesumRoem. &Schult.	Desert rose	Apocynaceae	Shrub	04
2	Allamandacathartica L	Golden Trumpet	Apocynaceae	Shrub	01
3	Aloe vera (L.) Burm.f.	Korphad	Liliaceae	Herb	02
4	Alstoniascholaris (L.) R. Br.	Satptparni	Apocynaceae	Tree	01
5	Araucaria columnarisJ R Forst. Hook.	X- Mass Tree	Araucariaceae	Tree	01
6	Jasminum	mogra	Jasminum	Herb	10
7	Rosaceae	rose	Rosaceae	Herb	05
8	Callistemon lanceolatus R.Br.	Bottlebrush	Myrtaceae	Shrub	10
9	Carica papaya L.	Papaya	Caricaceae	Herb	01
10	Caryotaurens L.	Fish Tail Palm	Aracaceae	Tree	20
11	Ficus benamina	Weeping fig	Ficus benamina	Tree	07
12	Saracaashoka L	Ashoka	Saracaashoka L	Tree	06
13	Cocos nusifera	palm	Cocos nusifera	Tree	20
Total					88

Table- IV :List of Some Medicinal Plants in the College campus

Sr. No	Botanical name	Local name	Part used	Uses
1	Aeglemarmelos (L) Curreia	Bel	Leaves, Fruits	Fever, Eye diseases, Diarrhea, skin diseases, cough.
2	Aloe vera (L.) Burm.f.	Korphad	Leaves	Digestive system disorders, skin care, Inflammation
3	Azadirachataindica L.	Kadu-Neem	Leaves ,seeds	Expectorant cure digestive germs & worms
4	Bixaorellana L.	Shandri	Seeds, Leaves	Laxative, cardi tonic, hypotensive, expectorant, and antibiotic. Used in pharmaceutical, cosmetic, textile, and especially food industries
5	Buteamonosperma	Palas	Leaves, Flowers	leprosy, strangury, gout, skin diseases, thirst sensation; flower juice is used to treat eye diseases
6	Cassia fistula Linn.	Bahava/ Amaltas	Whole Plant	Leaves used for erysipelas, malaria, rheumatism, and ulcers, buds used for

		<u>h</u>		biliousness, constipation, fever, leprosy, and skin disease and fruit for abdominal pain, constipation, fever, heart disease, and leprosy.
7	Cynodondactylon (L.) Pers.	Durva	Whole Plant	Anasarca, cancer, convulsions, cough, cramps, diarrhea, dropsy, dysentery, epilepsy, headache, hemorrhage, hypertension, hysteria, measles, rubella, sores, stones, tumors, urogenital disorders, warts and wounds.
8	DalbergiasisooRoxb.	Shisham	Leaves, Stem, Seeds, bark.	Obesity, vitiligo, fever, non healing wounds, ulcers, intestinal parasites & timber, fuelwood
9	Eucalyptus globulusLabill.	Neelgiri	Leaves, Stem	Arthritis and skin ulcers. Eucalyptus oil is also used to ease cold symptoms and provide respiratory health benefits. mouthwashes and cold remedies
10	Hibiscus rosa-sinensis L.	Jaswand	Fruits, Leaves, Bark	Treating wounds, inflammation, fever and coughs, diabetes, infections caused by bacteria and fungi, hair loss, and gastric ulcers
11	Jatropha curcas L	Mogli and	Seeds, Leaves	Biodiesel production and skin care, cancer, digestive, respiratory and infectious diseases.
12	Justicia adhatoda L.	Adusa	Leaves, roots, flowers	Cough, colds, asthma, to liquefy sputum, as a bronchodilator, bronchial catarrh, bronchitis, and tuberculosis.
13	Kalanchoe pinnata (Lam.) Pers	Panphuti	Leaves	Headache, to cure cuts and wounds, eye diseases. skin's tone and elasticity, helping to smooth wrinkles and fine lines.
14	Lantana camara L.	Tantani/HaladiKunku	Leaves, Stem & Roots	Cancers, chicken pox, measles, asthma, ulcers, swellings, eczema, tumors, high blood pressure, bilious fevers, catarrhal infections, tetanus, rheumatism, malaria, antiseptic, antispasmodic.
15	Ocimum sanctum L.	Ram tulsi	Whole plant	Bronchitis, bronchial asthma, malaria, diarrhea, dysentery, skin diseases,
16	Oroxylum indicum (L.) Benth. ex Kurz	Tetu	Leaves, Stem Roots, Seeds, Pods.	Treatment of jaundice, arthritic and rheumatic problems, gastric ulcers, tumors, respiratory diseases, diabetes, and diarrhea and dysentery
17	Phyllanthus emblica L.	Avala	Fruit, Leaves	Diarrhea, jaundice, inflammation, hair care, reduces stress.
18	Saraca ashoka L	Ashoka	Branch of plant	Use in milk secretion in mother
19	Santalum album.	Chanda	Bark, stem	Use in food and cosmetics.
20	Tinospora cordifolia Miers	Gulvel	Stem, Leaves	an anti-inflammatory, anti-diabetic, and even as an anti-cancer agent.
21	Vitex negundo L.	Nirgudi	Leaves, Seeds, Roots.	Relieves muscle aches and joint pains, to treat excessive vaginal discharge, edema, skin diseases, pruritus, helminthiasis, rheumatism and puerperal fever.

Table - V :Theme Localities

Sr. No.	Theme	Location	Plants
1	Oxygen rich	Botanical garden, Main road, Ladies hostel campus	Tulsi, Pimpal, Neem,
2	Beauty	Botanical Garden, Front of college	Ficus, Croton, Cynadon, Palm,Cycas.
3	Medicinal Plants	Botanical garden	Bahava, Adulsa,Tulsi, Palas, Tetu, Korpada,
4	Shade	Botanical garden, college road, Ladies Hostel, Girls Parking, Canteen front side.	Chinch, Avala, Ficus, Sena., Bitti, Gulmohar
5	Avenue	College road and way to botanical garden, Hostel	Bitti, Gulmohar, Nilgiri, False Ashok, Neem,
6	Palms	College front, Indoor Stadium front side.	Areca palm, fish-tail palm
7	Gymnosperms	Botanical garden	Cycas, Thuja, X-mas tree,

1. Solid Waste Management:

The college activities have very less impact on the environment as the college is very responsive of generating less waste and recycling it and by passing it through the scientific ways that enable the used material to be recycled ensuring that less natural resources are used. Waste generated on the campus is segregated as a solid waste, liquid waste, and e-waste.

For the collection of regular solid waste (Dry and Wet) garbage bins are kept at different places on the campus. The collected solid waste is picked up by Pune Municipal Corporation, time to time for proper disposal and recycling.

E-Waste Management:

E-Waste, electronic waste comprises of waste generated from used electronic devices and house hold appliances which are not fit for their original intended use.

Aim and objective:

E-waste is the future coming environmental problem will create hazards to our environment, it is non-degradable waste can pollute water, soil and air. With keeping this view we are aware about destructive material mainly metal, insulating materials present in the e-waste like CD, scrap, mobile like devices, computer waste like wiring, metals, and unused pen drive.

Items and their Toxic Compounds:

Sr. No.	Item	Components
1	Refrigerator	CFC/HC/Rubber
2	PC & Laptops	CRT, Fluorescent Lamp, Copper
3	Television	Metal, CRT, Plastic BRF
4	Washing Machine	Rubber, Electric Wire, Metal & Motor
5	Computer Batteries	Cadmium
6	Capacitor & Transformer	PBC
7	Printer Circuit Board	Lead & Cadmium
8	Cathode Ray Tubes	Lead Oxide & Cd
9	Cable Insulation / Coating	PVC
10	Switches & Flat Screen Monitor	Mercury

Activity / Observations:

With keeping view to minimize the pollution created through the e-waste, we have carried out the scientific disposal of e-waste by two ways

- 1) Collection of e- waste in e- waste box
- 2) Reuse of the component of unused electronic devices.

Collection of E- waste:

We have installed e- waste box in the Electronics laboratory, and our students, staff put unused electronic devices and component like CD, PD, memory card, simcard, etc. it also collected and few of reuse and remaining e-waste is given to e-waste scrap purchaser for proper reuse and disposal of such e-waste. Awareness is done by faculty members to class to class by telling about e-waste and its impact on environment.

This activity runs throughout the year and e-waste is collected in e-waste box, e- waste was collected and out of this some was reused for preparation of best from waste activity. And some items were repaired.

Recommendations:

1. Always purchase recycled resources where these are both suitable and available.

Energy Conservation:

Aim:

- 1) To minimize the use of natural resources

- 2) Conservation of energy

Objective:

- 1) To save non-conventionally produce electric energy
- 2) Use of conventional source of energy
- 3) Minimization of electric expenses

Activity/ Observations:

Energy conservation is the burning problem of the country, there is pressure due to great demand for electricity and shortage of this non-conventional source of energy.

We have implemented energy conservation programs with three ways

- 1) Use of LED tube in the college building
- 2) Use of solar water heater
- 3) Solar power plant for electricity production

Environment Awareness Program

Aim and objective:

To plan, organize and implement programs like landscape and plantation, water management & conservation, and rain water harvesting. To provide education that prepares students for leadership and social responsibility teaching them to think and communicate effectively and develop a global awareness. To introduce environmental education programs for strengthen the existing ecological and environment related training infrastructure.

- To provide consultancy to other institutions and organizations in for the establishment of similar institutions with a view to bringing sustainability.
- To organizer training programs for vocationalist of environmental careers.
- To strengthen Global Environmental Education Programs for standardization of greening-activities.
- To introduce environmental education programs in strengthen the existing ecological and environment related training infrastructure.
- To make special plans for the studies plantation, water & energy conservation and management and other related fields.
- To provide environmental education that prepares students for leadership and social responsibility by teaching them to think and communicate effectively and develop global environmental awareness and sensitivity.

Photo Gallery



Late Tukaram Dhondiba Pathare Arts, Commerce & Science College

GREEN AUDIT REPORT 2022-2023



Late Tukaram Dhondiba Pathare Arts, Commerce & Science College



Registration Certificate

This is to certify that

VIKAS PRATISHTHAN'S
(LATE TUKARAM DHONDIBA PATHARE ARTS, COMMERCE & SCIENCE COLLEGE)
CHANDAN NAGAR, PUNE – 411014 (MAHARASHTRA), INDIA.

has been assessed by RAPL and found to comply with the requirements of

ISO 14001 : 2015 Environmental Management Systems

For the following activities:

PROVIDING THE EDUCATION OF GRADUATION AND POST GRADUATION LEVEL FOR
THE STREAMS OF ARTS, COMMERCE AND SCIENCE.

Certificate Number: E2023063217
Date of certification: 07/06/2023
Ist Surveillance on or before: 06/06/2024
IInd Surveillance on or before: 06/06/2025
Certification Valid Until: 06/06/2026



Director (Certification)
Royal Assessments Pvt. Ltd.

623 A, Tower-B, iThum, Plot No. A - 40, Sector - 62, Noida 201301, India.
www.royalapl.com, info@royalapl.com
Phone : +91 120 4251329

This Certificate can be verified at www.royalapl.com