

Vidya Bharati Shaikhshnik Mandal Amrawati's

**Sant Muktabai Arts & Commerce College,
Muktainagar, Dist – Jalgaon, Maharashtra,
India**



**GREEN AUDIT REPORT
(2018-19)**

Prepared by
SSBT's College of Engineering and Technology
Bambhori, Jalgaon, Maharashtra, India

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I. Introduction:

Green Audit can be defined as systematic identification, quantification, recording, reporting and analysis of components of environmental diversity. The 'Green Audit' aims to analyze environmental practices within and outside the College campus which will have an impact on the eco-friendly ambience. It was initiated with the purpose of inspecting the work conducted within the Organizations whose exercises can cause risk to the health of inhabitants and the environment. With this, one gets a direction as how to improve the status of environment

I. About the College:

Vidya Bharati Shaikshanik Mandal Amravatis', Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon was established in 1983 with a motto to provide specific education at different levels to better educate students for their participation in various fields and national development. College has been reaccredited by NAAC with 'B' Grade with CGPA 2.87 and certified with ISO 9001: 2015. College has Arts, Commerce and BCA faculties having more than 800 students. The college campus is in the heart of the city with 6.75 acres of land and built up area is 7134.69 Sq. The College has ICT enabled class-rooms, smart class rooms, conference hall, meeting hall, administrative office, faculty cabins, Principal office, guest rooms, language lab, computer lab, sport complex, and girl hostels, etc.

College has a good library having around 5549 titles, 15, 640 volumes, and 57 journals, 13, 35,000 e-books and 6000 e-journals and 52 rare books. SWAYAM and NPTEL online portal subscribed for study and SOUL software is used for issuing books. Access to E-books and E-Journals are provided through INFLIBNETIN-LIST.

Vision and Mission of the College:

Vision:-

The vision of the college goes to the development of the college towards excellence and the self reliance among the students as the university graduates and citizens with the help of the educational and quality enhancement.

Mission:

Committed to creation of self-reliant centre of excellence that impart knowledge and develops the right values, attitudes and skills. Stressing quality consciousness to produce ideal citizens, who can contribute to nation building.

Total Campus Area:

The Green Audit committee conducted the 'Green Audit' to examine how and what institutional practices are eco-friendly and sustainable.

A committee *is* formed for the green audit by the Principal of the College with following members:

Green Audit Committee:

Sr. No	Name	Qualification	Designation
1	Dr. M. Hussain	M.E (Environmental Engineering) Ph.D	Professor and Head, Dept of Civil Engineering, SSBT's College of Engineering and Technology, Bambhori, Jalgaon
2	Dr. P. V. Thakre	M.E (Electrical Engineering,) Ph.D	Professor, Dept of Electrical Engineering, SSBT's College of Engineering and Technology, Bambhori, Jalgaon

The committee visited the college on 2 May 2019 and submitted the report.

III. Objectives of the Study:

The main objective of the Green Audit is to promote the Environmental Management and Conservation in the College Campus.

The purpose of the audit is to identify, quantify, describe and prioritize framework of Environment and the sustainability in compliance with the applicable regulations, policies and standards.

The objectives of carrying out Green Audit:

- To make students aware about environment and its sustainability
- To reduce the risk to human and environmental health by assessing the pattern and extent of resources used on the Campus
- To establish a baseline data.
- To bring out a status report on environmental compliance

IV. Methodology:

In order to perform green audit, the methodology included different tools such as preparation of questionnaire, physical inspection 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 summarize the present status of environment management in the campus:

- Water use and its management
- Energy Conservation
- Waste management
- E-waste management
- Green area management

V. Observation and Recommendation:

3.1. Water use and it Management:

This indicator addresses water sources and consumption, like domestic use drinking purpose, irrigation, Gardening, appliances and fixtures. A water audit is an on-site survey and assessment to determine the water use and hence improving the efficiency of its use.

Observation:

There is a major source of bore well water. There is water tank of 5000 liters which is filled up by water from municipality. It is river water

and hence use only for drinking purpose. there is another source of water is a bore well which is used for gardening, irrigation purpose, canteen and other purposes. .During the survey, no loss of water is observed neither by any leakage, nor by overflow of water from overhead tanks. The data collected from the college is examined and verified. On an average, the total use of water in the college is of 5736 liters per day for domestic use, 200 liters per day for gardening and other purpose for whole campus. Rainwater Harvesting unit is functional for storing and reusing of water. Staff and students are instructed that not to waste the stores water unnecessarily.

Recommendations: Need of monitoring to leakages in Taps, Pipes, etc.

V1. Energy Use and Conservation:

This indicator looks forward for energy sources, consumption, and monitoring.

V2.Observation:

Energy source utilized by the departments and classrooms is electricity only. The total annual power requirement of the college is **19766 KWh**. The annual power requirement met by the renewable energy sources of the college is **21900 KWh**. This year college has taken an initiative towards the eco-friendly renewable energy source that is solar energy by installing a solar unit with the cost of Rs.6,90,000/- provides 15 KW electricity.

Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon is the only college in the town to use the Solar System for meeting its energy needs. Annual lighting power requirement met through LED bulbs in 5906 KWh and total annual lighting power requirement is 11571 KWh. Major electricity consuming equipments like AC, Computers, Printers, Photocopiers, LCD-TV are used with power saving mode. There is switch off drill on regular in the campus.

Recommendation: Maintenance of the solar energy unit must be done for long term use of this energy.

V3. Waste Management:

This indicator addresses waste production and its disposal.

V4.Liquid Waste:

The major sources of generating waste water is wash basins and toilets. The solid waste generated is mainly from papers and miscellaneous waste like food and kitchen waste from canteen. Approximately 150 kg of Biodegradable solid waste is generated from canteen monthly. In the college 10 kg of bio-degradable and Non bio-degradable waste in trace amount is generated per day. This is collected daily by the Muktainagar Municipality.

V5. Solid Waste:

Dustbins are located at various places in college campus. The NSS unit of college organizes cleanliness programmes in the college. Sanitary napkin disposal machines are installed inside the campus.

V6.E- Waste Management:

On an average very less amount of e- waste generated as the part of solid waste. It is very hazardous because electronic components contain Lead, Mercury, Cadmium and Poly-chlorinated biphenyls (PCBs). That can damage human health and environment through bio magnification.

Observation:

In the campus whatever e-waste is generated in the form of Computers, CD, and Printers and other equipments are sorted out properly and sold as scrap to local vendor.

Green Area:

This includes the plants present in the campus. This also helps in ensuring that the environmental policy is enacted, enforced and reviewed using various environmental programmes. Campus is having 23 different types of plant species. The NSS unit of the college organizes awareness programmes, plantation and preservation in and out off the campus.

Observation:**List of plants present in the campus:**

Sr. No.	Common Name of Tree	Botanical Name of Tree	Quantity
1	Kashid	Cassia Siamea	01
2	Nilgiri	Eucalyptus	01
3	Neem	Azadirachta indica	52
4	Kadu Badam	Terminalia Catappa	03
5	Shisam	Dalbergia Sissoo	47
6	Gulmohor	Deloniy Regia	04
7	Perrera	Pyrus	05
8	Bhingri	Symphorema Inrolucratrum	14
9	Saptaparni	Alshonia Scholaris	11
10	Ashoka	Saraca Asoca	04
11	Mango	Mangnifera Indica	02
12	Bel	Aegle marmelos	02
13	Shevga	Moringa Oleifera	01
14	Aarol	Verbascum	01
15	Pimpal	Ficua Religiosa	01
16	Chinch	Tamarind	01
17	Jambhul	Syzygium Cumini	03
18	Chafa	Plumeria	01
19	Badam	Prunus Dulcis	03
20	Cheri	Cerasus	01
21	Papadi	Taraxacum Officinale	01
22	Karanj	Millettia Pinnota	17
23	Vad	Banyan Tree	01
		Total Plants	177

Recommendations:

Establish committee for Environmental and sustainability. Ensure, that the audit should be done annually and action to be taken as per the recommendations.

VI. Other Miscellaneous Practices:

- All the work done in the College is almost paperless.
- Dust Bins are kept at each point of collection.
- Cleanliness drive is organized every year.
- No Vehicle Days are observed in each semester.

Environment monitoring of the Campus is done in the form of illumination, ventilation and noise level. It was observed that illumination and ventilation is adequate considering natural light and air velocity present. Noise level in the Campus is within limit that is below 50 db at day time.


VII. Conclusion:

Considering the fact the Institution is taking very good initiative to maintain the environment quality in the Campus. We expect a prosperous future in the context of Green campus and sustainable environment.


Acknowledgement

We are grateful to Management and Principal, of Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon to assign this prestigious project and allow entering the new era of green audit in the Campus.

Further we sincerely extend our thanks to the Principal, Teaching and Non Teaching staff for providing us necessary facilities and co-operation in carrying out our responsibility meaningfully.


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7.1.7

Vidya Bharati Shaikshnik Mandal Amrawati's

Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon.

VEHICLE REPORT 2014-15

Sr.No.	Date	Bicycle	Scooter / Motorcycle	Car
1	04/01/2015	107	35	02
2	05/01/2015	102	32	02
3	06/01/2015	103	36	03
4	07/01/2015	108	41	03
5	08/01/2015	106	52	02
6	09/01/2015	102	45	02
Total		628	241	14

Name of Students

- 1) Sule Davankhmar Jagannath (SYBcom)
- 2) Surwade Nitin Siddharth (B.T. B.Com)
- 3) Chaudhari Shubham Suresh (S.Y.B.Com)
- 4)
- 5) Bholankar Sunil Manoli (S.Y.B.Com)

Sign

Sule
Surwade
Chaudhari
Bholankar



Principal
Sant Muktabai Arts & Commerce
College, Muktainagar Dist Jalgaon

Vidya Bharati Shaikshnik Mandal Amrawati's

Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon.

VEHICLE REPORT 2015-16

Sr.No.	Date	Bicycle	Scooter / Motorcycle	Car
1	07/01/2016	105	30	03
2	08/01/2016	104	34	03
3	09/01/2016	101	39	02
4	10/01/2016	110	43	02
5	11/01/2016	104	50	03
6	12/01/2016	100	44	03
Total		624	240	16

Name of Students

- 1) Kojage Vijay Bala (P.Y. B.com)
- 2)
- 3) Parpali Kiran Arun (F.Y. B.com)
- 4) Ahir Sandip Murlidhar (F.Y.B.com)
- 5) Varkade Umesh Chandrao (F.Y.B.com)

Sign

Kojage
Parpali
Ahira
Varkade



Principal
Sant Muktabai Arts & Commerce
College, Muktainagar Dist Jalgaon

Vidya Bharati Shaikshnik Mandal Amrawati's

Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon.

VEHICLE REPORT 2016-17

Sr.No.	Date	Bicycle	Scooter / Motorcycle	Car
1	01/01/2017	100	31	03
2	02/01/2017	105	36	03
3	03/01/2017	100	33	02
4	04/01/2017	106	44	02
5	05/01/2017	103	50	02
6	06/01/2017	101	47	02
Total		614	241	14

Name of Students

- 1) Ghate Amol sapan (F.Y.B.com.)
- 2) Wagh Vaibhav Mukunda (F.Y.B.com)
- 3) Pawate Dinesh subhash [F.Y.B.com]
- 4)
- 5) Patil Harish Samadhan (F.Y.B.com)

Sign

Amol Ghate
Vaibhav Wagh
D Pawate

H Patil



Vidya Bharati Shaikshnik Mandal Amrawati's

Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon.

VEHICLE REPORT 2017-18

Sr.No.	Date	Bicycle	Scooter / Motorcycle	Car
1	02/01/2018	113	41	03
2	03/01/2018	109	37	03
3	04/01/2018	116	46	02
4	05/01/2018	107	39	02
5	06/01/2018	104	52	03
6	07/01/2018	100	48	03
Total		649	263	16

Name of Students

- 1) Bhayare Dipak samadhan (F.Y.B.com.)
- 2) Patil Mayur santosh (F.Y.B.com)
- 3) Patil Naresh Samadhan (T.Y.B.com)
- 4) Ingale Amol Mohan (T.Y.B.com)
- 5) Dange Govinda Subhash (F.Y.B.com)

Sign

Dipak Bhayare
Patil Mayur
Patil Naresh

Ingale Amol

Dange Govinda



Principal
Sant Muktabai Arts & Commerce
College, Muktainagar Dist Jalgaon.

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Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon.

VEHICLE REPORT 2018-19

Sr.No.	Date	Bicycle	Scooter / Motorcycle	Car
1	08/02/2019	98	45	04
2	09/02/2019	82	39	04
3	10/02/2019	102	43	03
4	11/02/2019	97	42	03
5	12/02/2019	89	50	05
6	13/02/2019	100	48	05
Total		649	267	24

Name of Students

- 1) Chaudhari Bhushan manohar (SY.B.com)
- 2) Tajade Yogesh Shantaram (S.Y. B.Com)
- 3) Borale Karan Pramod (SYB.com)
- 4)
- 5) Koli pavan Nirvutti (SYB.com)

Sign

Chaudhari
Tajade
Borale

Principal

- Koli*

Koli

Sant Muktabai Arts & Commerce
College, Muktainagar Dist Jalgaon

Vidya Bharati Shaikhshnik Mandal Amrawati's

Sant Muktabai Arts & Commerce College, Muktainagar, Dist – Jalgaon.

VEHICLE REPORT 2019-20

Sr.No.	Date	Bicycle	Scooter / Motorcycle	Car
1	18/12/2019	88	45	04
2	19/12/2019	96	56	04
3	20/12/2019	84	37	05
4	21/12/2019	75	61	05
5	22/12/2019	70	56	04
6	23/12/2019	69	76	04
Total		482	331	26

Name of Students

- 1) Jagtap Sunil Raju - TYB.com
- 2) Patil Akash Gayaram T.Y. B.com
- 3) Raypure Akash Keshav T.Y. B.com
- 4) Pahl Prashant Suresh (T.Y. B.com)
- 5) Ingale Sanghapal Suresh TYB.com

Sign

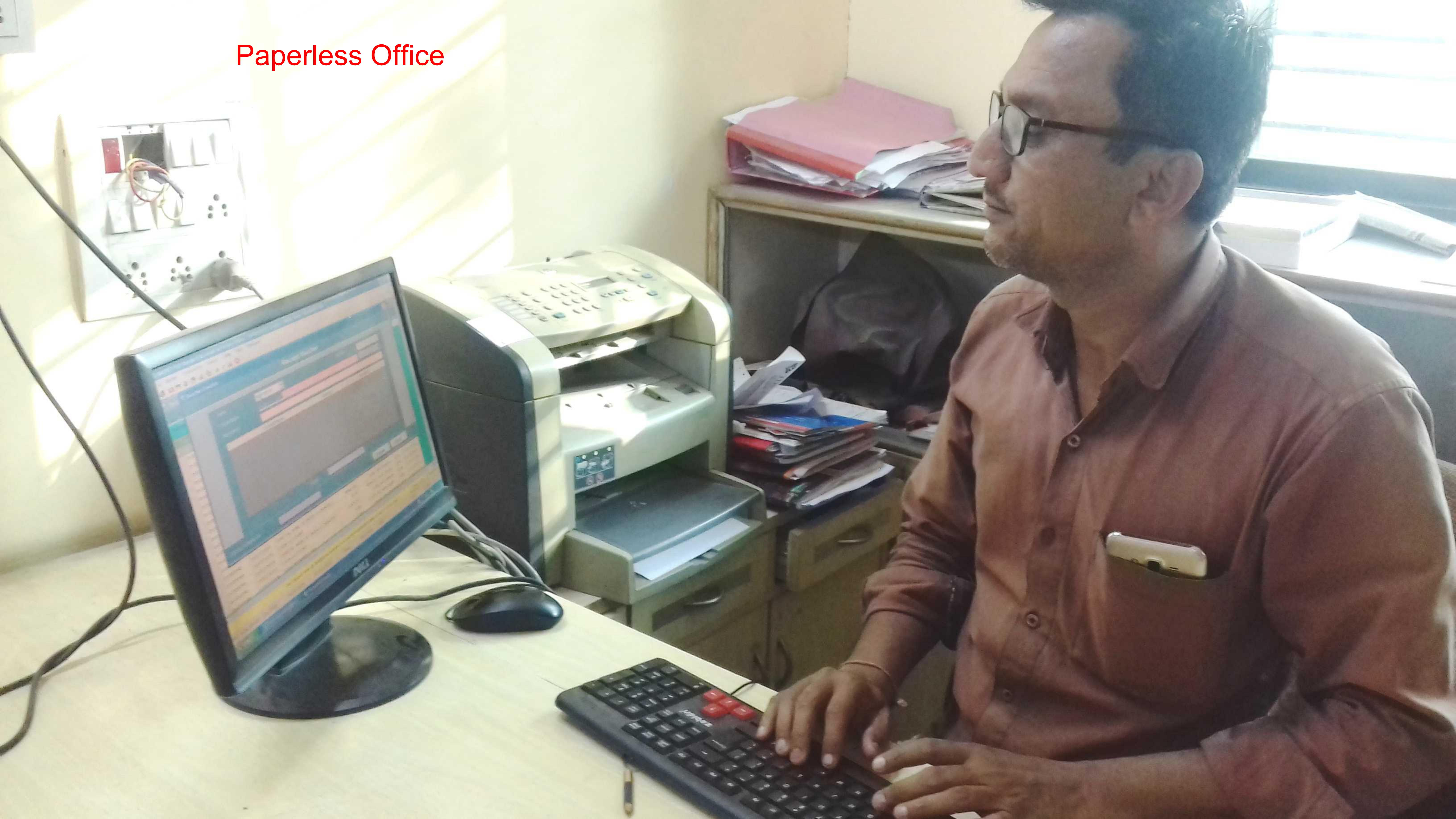
Jagtap
Patil
Raypure
Pahl

Suresh



Principal
Sant Muktabai Arts & Commerce
College, Muktainagar Dist Jalgaon

Paperless Office



Paperless Office

