

Sipna Shikshan Prasarak Mandal, Amravati's
ARTS, SCIENCE AND COMMERCE COLLEGE
CHIKHALDARA, DISTT. AMRAVATI (Maharashtra State)



CRITERION – VI

6.5 Internal Quality Assurance System

6.5.1

Internal Quality Assurance Cell (IQAC) Has Contributed Significantly for Institutionalizing the Quality Assurance Strategies and Processes. It Reviews Teaching Learning Process, Structures & Methodologies of Operations and Learning Outcomes at Periodic Intervals and Records the Incremental Improvement in Various Activities

■ President
Shri. Jagdish M. Gupta
(Ex. Minister of State, Maharashtra)
0721 (O)2522341 (R) 2572526



SIPNA SHIKSHAN PRASARAK MANDAL'S AMRAVATI

ARTS, SCIENCE &

COMMERCE COLLEGE, CHIKHALDARA

■ Principal
Dr. Rajesh S. Jaipurkar
(Mob.) 9423126066

Distt. Amravati (Maharashtra) 444 807
NAAC Reaccredited 3rd Cycle with CGPA 2.77 at grade B++ (2018-2023)

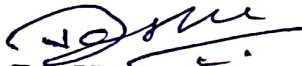
■ E-mail : ascc163@sgbau.ac.in ■ Website : www.sipnaascc.ac.in ■ Tel. (O) 07220-230309


Outward No : *ASCC/Cert./248/2023*

Date : *23/05/2023*

DECLARATION

This is to declare that the information, photos, reports, true copies, numerical data, etc. furnished in this file as supporting documents is verified by IQAC and found correct.


Dr. V.D. Kapse
IQAC Coordinator
Co-ordinator
IQAC
Arts, Science & Commerce College,
Chikhaldara
Distt.: Amravati (M. S.)


Dr. R.S. Jaipurkar
Principal
PRINCIPAL
Art, Science & Commerce
College, Chikhaldara



Sipna Shikshan Prasarak Mandal, Amravati's
ARTS, SCIENCE AND COMMERCE, COLLEGE
CHIKHALDARA, DISTT. AMRAVATI (Maharashtra State)



SUPPORTING DOCUMENTS

Sipna Shikshan Prasarak Mandal, Amravati's
ARTS, SCIENCE AND COMMERCE COLLEGE
CHIKHALDARA, DISTT. AMRAVATI (Maharashtra State)

Metric No. 6.5.1

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- President

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Outward No : *ASCC/IQAC/295B/2021*

Date : *20/09/2021*

Internal Quality Assurance Cell (IQAC)

Academic Year 2021-2022

With reference to the meeting of College Development Committee (CDC) held on 06/09/2018 and according to subject and resolution No. 14, it is decided that the term of IQAC of the college will be for next five years or up to completion of NAAC 04th Cycle.

We accordingly constituted the IQAC as under:

Dr. R. S. Jaipurkar	(Chairman)
Dr. R. M. Kadu	(Management Representative)
Shri. Yashwant Bahade	(Employer Representative)
Shri. R. B. Nandanwar	(Local Representative)
Dr. A. V. Dudul	(Member)
Dr. U. G. Tayade	(Member)
Dr. S. G. Mahajan	(Member)
Dr. U. S. Wasnik	(Member)
Dr. V. S. Mangle	(Member)
Dr. G. R. Dhokane	(Member)
Dr. S. P. Chavan	(Member)
Dr. P. G. Gawande	(Member)
Dr. B. N. Mahajan	(Member)
Mr. K. N. Shah	(Member)
Mr. S. L. Kottewar	(Member)
Mr. P. S. Tayade	(Member)
Dr. S. O. Mishra	(Alumni Representative)
Ku. Aboli H. Dongre	(Student Representative)
Dr. V. D. Kapse	(Coordinator)



ML
(Dr. R. S. Jaipurkar)

PRINCIPAL
Art, Science & Commerce
College, Chikhaldara

Sipna Shikshan Prasarak Mandal, Amravati
Arts, Science & Commerce College, Chikhaldara-444807
Internal Quality Assurance Cell

Dr. V.D. Kapse
Coordinator
(Mobile: 7083957790)

Dr. R.S. Jaipurkar
Principal
(Mobile: 9423126066)

Outward No. *ASCL/2021/294*

Date: 20/09/2021

Plan of Action of IQAC for Academic Year 2021-2022

Sr. No.	Nature of work	Date/ Duration	Department/ Committee	In-Charge
01	Conduct of Bridge Course	Last week of Sep. 2021 to 2 nd week of October 2021	All Department	All HODs and teaching staff
02	Alumni Registration	September 2021 to April 2022	Alumni Committee	Dr. A.R. Bakshi
03	"AVISHKAR" Preparation	From 4 th week of September 2021	Research Club	Dr.U.R. Kokate
04	Workshop on "Funding Agencies to apply for Research Projects" for teaching staff	Last week of September 2021	UGC and RUSA Committee	Dr. G. R. Dhokane
05	Monthly Review of teaching, learning process	September 2021 to June 2022	Faculty Coordination Committee	Dr.A.V. Dudul, Mr. G.D. Muratkar, Mr. P.M. Kute
06	Induction Programme for Fresher's	20 th -25 th September 2021	Faculty Coordination Committee	Dr.A.V. Dudul, Mr. G.D. Muratkar, Mr. P.M. Kute
07	Uploading of e-content development on Youtube Channel of the college	September 2021 – April 2022	Website development Committee	Mr.A.F. Bobade/ Mr. G.D. Muratkar /Dr. R.S. Mankar/ Dr. V.H. Meshram
08	Guest Lecture on "Challenges and opportunities at workplace: work culture and ethics" for staff members	5 th Week of September 2021	Women's Development Cell	Dr. S. N Jagtap
09	Workshop on "Platforms for research publications"	5 th Week of September 2021	IQAC (Criterion III)	Dr. V.S. Mangle
10	Certificate course in a) Ethnobotany b) Use of Talley software c) Gender Studies d) Leadership and political participation in local self Government e) Hotel Management f) Food processing	September-2021 –March 2022	Botany, Commerce, Sociology, Political Science, Food Science	a) Dr. U.R. Kokate b) Dr. V. M. Morey c) Mr. H.U. Petkar d) Dr. S.P. Chavan e) Mr. P.M. Kute f) Dr. N.Y. Bhoge



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11	Programmes under Jagar Vivekacha (As per the directions in this regard)	September 2021 to March 2022	Department of Sociology	Dr. H. U. Petkar
12	Workshop on "NAAC Assessment procedure" for teaching and non-teaching staff	1 st Week of October 2021	IQAC	Dr. V. D. Kapse
13	Workshop on "Use of MOODLE" for teaching staff	1 st Week of October 2021	Department of Computer Science	Mr. A.F. Bobade
14	Workshop on "Effective use of e-platforms for Teaching, Learning and Evaluation" for students and teaching staff	1 st Week of October 2021	Department of Computer Science	Mr. A. F. Bobade
15	Workshop on "Student centric methods for effective learning experiences" for teaching staff	2 nd week of October 2021	Department of English	Dr. U.G. Tayade, Dr. V. H. Meshram
16	Workshop on "e-content Development Steps" for teaching staff	2 nd week of October 2021	Department of Economics	Dr. B. N. Mahajan
17	Workshop on "ICT Skills" for teachers and students	3 rd Week of October 2021	IQAC	Dr. K.N. Shah
18	Workshop on "Types of Student Support Services during COVID-19 Pandemic"	4 th Week of October 2021	IQAC (Criterion V)	Dr. A. V. Dudul
19	Establishment of Linkages and MOU by research centre	Up to 3 rd week of October 2021	All Departments	Teaching and administrative staff
20	Activities under Established Linkages and MOU by research centre	October 2021 – January 2022	All Departments	Teaching and Administrative staff
21	Workshops on "Solid waste, liquid waste and e-waste management for teaching staff and Support Staff	3 rd week of October 2021	Instrument Maintenance Committee	Dr. N.Y. Bhoge
22	Workshop on "Awareness about Cyber Security" for girls students	3 rd week of October 2021	Women's Grievance Cell (Internal Complaint Committee)	Dr. U. S. Wasnik
23	College Website Updating	4 th Week of October 2021	Website Development Committee	Mr. A.F. Bobade



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24	Parent Teacher meeting	4 th week of October 2021	Parent Teacher Association Committee	Dr. A.R. Bakshi
25	Add-on Course on "Communication Skills"	November 2021	English	Dr. V.H. Meshram
26	Updating of Central Stock Book Register	Up to November 2021	Stock Verification Committee	Dr. N.Y. Bhoge /Mr. S.V. Gumble
27	Workshops and demonstration on "Fire Safety and equipment handling" for Support Staff	2 nd week of November 2021	Instrument Maintenance Committee	Dr. N.Y. Bhoge
28	Workshop on "Yoga & Meditation" for students	2 nd week of November 2021	Physical Education & Sports	Dr. P.G. Gawande
29	Guest lecture on "English Language Laboratory to acquire the language skills"	2 nd week of November 2021	English Language Laboratory	Dr. V. H. Meshram
30	1. Health check up awareness programme for girls students 2. Health check up camp for girls students	November 2021	Department of Physical education and Sports	Dr. P. G. Gawande, Dr. S. N. Jagtap
31	National level seminar on "Melghat: Treasure of Medicinal and Aromatic Plants for Incubation"	4 th week of November 2021	Department of Environmental Science	Mr. G.D. Muratkar
32	Add-on Course on "Soft Skills"	1 st Week of December 2021	Career Guidance Cell	Dr. D.S. Hedao/ Dr. G.B. Dhawale
33	Alumni meeting	1 st week of December 2021	Alumni Association Committee	Dr. A.R. Bakshi
34	Guest lecture by Alumni Association	1 st week of December 2021	Alumni Association Committee	Dr. A.R. Bakshi
35	Online State level debate competition	2 nd week of December 2021	Department of Marathi	Dr. M. B. Sardar
36	Guest lecture on "Gender Equality" for students	3 rd week of December 2021	Women's Development Cell	Dr. S. N. Jagtap
37	Posters, Photography and Poetries exhibition regarding Gender Equality Sensitization	4 th week of December 2021	Women's Development Cell	Dr. S. N. Jagtap

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38	National level webinar	4 th week of December 2021	Department of Mathematics	Dr. V. R. Patil/ Mr. N. S. Bayaskar
39	State level Workshop on "Intellectual Property Rights"	1 st week of January 2022	Research Club	Dr. U.R. Kokate
40	State level Workshop on "Research Methodologies"	4 th week of January 2022	Research Club	Dr. U.R. Kokate
41	Green Audit	Up to January 2022	Department of Environmental Science	Dr. V. S. Mangale
42	Energy Audit	Up to January 2022	Department of Industrial Chemistry	Mr. A. F. Bobade
43	Environment Audit	Up to January 2022	Department of Environmental Science	Mr. G. D. Muratkar
44	Add-on Course on " Making of Bamboo Craft"	February 2022	ED Cell	Mr. K.L. Kottewar
45	"Self employment Opportunities in Melghat" for students and inhabitants of Melghat Region	3 rd week of February 2022	Department of Apiculture, Boatany and Environmental Science	Dr. V. S. Mangale, Dr. U. R. Kokate Mr. G. D. Muratkar
46	Workshop on "Importance of Martial Arts in Self defence" for girl students	4 th week of February 2022	Physical Education & Sports	Dr. P.G. Gawande
47	Programme by Alumni on "Entrepreneurship" in collaboration with ED Cell	1 st week of March 2022	Alumni Association	Dr. A.R. Bakshi/ Mr. S.L. Kottewar
48	University level Poster competition on the occasion of International women's Day	08 th March 2022	Women's Development Cell	Dr. S. N. Jagtap
49	Field Projects/Visits	3 rd Week of March 2022	Department of Commerce, Economics, Sociology, Geology, Botany, and History	Mr. Vivek More, Dr. B.N. Mahajan, Dr. H.U. Petkar, Dr. R.S. Mankar, Dr. U.R. Kokate, Dr. G.B. Dhawale



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50	Sexual harassment: Prohibition and Redresses	4 th week of March 2022	Women's Grievance Cell	Dr. U.S. Wsrik
51	Skill development workshop: Herbal cosmetics, Murals and paper flowers and non-gas cooking	1 st week of April 2022	Women's Development Cell	Dr. S. N. Jagtap
52	Book exhibition for school and college students	1 st week of April 2022	Department of Library	Dr. S. G. Mahajan
53	Laboratory apparatus/equipments exhibition for school students	1 st week of April 2022	Instrument Maintenance Committee	Dr. N.Y. Bhoge
54	Street Play for gender equality awakening	2 nd week of April 2022	N.S.S.	Mr. A.R. Kanhu
55	Health, Hygiene and Food for good health	3 rd week of April 2022	Food Science	Dr. K. N. Shah
56	Workshop on "Fabrication of LED Lamp"	4 th week of April 2022	Department of Physics	Dr. G. R. Dhokane
57	Publication of research paper in journals notified by UGC	2021-2022	All Departments	Teaching staff
58	Preservation, Conservation and propagation of Medicinal and Aromatic Plants	2021-2022	Department of Botany and Environmental Science	Dr. U. R. Kokate Mr. G. D. Muratkar
59	Quarterly Meeting with research students of the college	2021-2022	All Research Centres	All Ph. D. Supervisors
60	Conduct of 1. Online Student Satisfaction Survey (SSS) 2. Online Feedback on the syllabus and its transaction from students 3. Online Feedback on the syllabus and its transaction from teachers And submission of its analysis report	May-June 2022	SSS and Student feedback Committee	Dr. V. H. Meshram Mr. V.M. Morey



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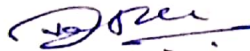
61	Conduct of Online Feedback on the syllabus and its transaction from employer And submission of its analysis report	May-June 2022	IQAC (Criterion I)	Dr. U.S. Wasnik
62	Programmes and Documentation regarding Rain Water Harvesting	October 2021 to June 2022	Department of Geology	Dr. R. S. Mankar
63	Annual Maintenance Contracts	2021-2022	Office	Mr. S. V. Gumble
64	*Silver Jubilee Year Celebration Programmes	2021-2022	Silver Jubilee Year Celebration Committee	Dr. N. J. Suryawanshi

(Note: 1. * Separate programme schedule will be provided

2. Prepare and maintain the record of notice/Brochure, list of registered participants, screen shots and attendance report of the participants, screenshots/geo-tagged photos of the event, video recording, feedback, analysis of the collected feedback, brief report in the prescribed format, detailed report with screenshots/Geo-tagged photos, sample certificate, newspaper cutting (if any), etc.

3. In-charge teaching and non-teaching staff member(s) shall do the needful as per this action plan of IQAC. For any kind of query, feel free to contact IQAC Coordinator.

4. Apart from this plan of action of IQAC, all the teaching departments/ committees of the college shall arrange the activities/programmes as per the aims, objectives and necessity of the concerned department/committee.



(Dr. V. D. Kapse)
IQAC Coordinator
Co-ordinator
IQAC

Arts, Science & Commerce College,
Chikhaldara,
Distt.: Amravati (M.S.)
Date: 20/09/2021





(Dr. R. S. Jaipurkar)
Principal

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Dr.V. D. Kapse
Coordinator
(Mobile: 9422157790)

Dr.V.R. Patil
In-charge Principal
(Mobile: 9423610313)

Date: 25/08/2020

Plan of Action (2020-2021)

Sr. No	To be Implemented	Date/ Duration	Department/ Committee	In-Charge
01	Conduct of Bridge Course	August 2020	All Department	All HODs and teaching staff
02	College Website Updating	4 th Week of August 2020	Website Development Committee	Mr. A.F. Bobade
03	Workshop on "Introduction to indexing techniques of research publications"	4 th Week of August 2020	IQAC (Criterion III)	Dr. V.S. Mangle
04	Workshop on "Software developed by RUSA for NAAC related data and information collection"	1 st Week of September 2020	IQAC	Dr.V.D. Kapse
05	Workshop on "Use MOOCs, MOODLE & SWAYAM" for teaching staff	1 st Week of September 2020	Computer Science	Mr. A.F. Bobade
06	Workshop on "Online platforms/tools for teaching, learning and evaluation" for teaching staff	1 st Week of September 2020	IQAC (Criterion II)	Dr. U.G. Tayade Dr. V. H. Meshram
07	Workshop for Fresher's	3 rd Week of September 2020	Coordination Committee	Dr.A.V. Dudul, Mr. G.D. Muratkar, Mr. P.M. Kute
08	Workshop on "e-administration and Use of Softwares" for non-teaching staff	4 th Week of September 2020	Computer Science	Mr. S.V. Gumble/ Dr. B.N. Mahajan
09	Follow up of Academic audit	September 2020	Coordination Committee	Dr.A.V. Dudul, Mr. G.D. Muratkar, Mr. P.M. Kute
10	Avishkar Preparation	From September 2020	Research Club	Dr.U.R. Kokate

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11	Survey Projects on a) "Impact of COVID-19 Pandemic on economic structure in Melghata" b) "New opportunities for tourism in Chikhaldara".	August 2020- March 2021	Commerce	a) Mr. V.M. More b) Mr. P.M. Kute
12	Add-on Course on "Soft Skills"	1 st Week of October 2020	Career Guidance Cell	Dr. D.S. Hedao/ Dr. G.B. Dhawale
13	Guest lecture on "Holistic and ethical approach while working in academic institution"	2 nd week of October 2020	Research Club	Dr. U.R. Kokate
14	Display of Maintenance Policy on college website	2 nd week of October 2020	Instrument Maintenance Committee	Dr. N.Y. Bhoge / Mr. S.V. Gumble
15	Creation of YouTube Channel of the college and Uploading of e content development on Youtube	August 2020 – March 2021		Mr.A.F. Bobade/Mr. G.D. Muratkar / Dr. R.S. Mankar
16	Add-on Course on "Communication Skills"	1 st Week of October 2020	English	Dr. V.H. Meshram
17	Updating of Central Stock Book Register	Up to November 2020	Stock Verification Committee	Dr. N.Y. Bhoge / Mr. S.V. Gumble
18	Value added course on "Accounting"	January 2021	Commerce	Mr. Kottewar Mr. A.R. Kanhu
19	State level Workshop on "Intellectual Property Rights"	January 2021	Research Club	Dr. U.R. Kokate
20	Add-on Course on " Making of Bamboo Craft"	2 nd Week of February 2021	ED Cell	Mr. K.L. Kottewar
21	Workshop on "Self defence" for girl students	4 th week of February 2021	Physical Education & Sports	Dr. P.G. Gawande
22	Field Projects/Visits	3 rd Week of February 2021	Department of Commerce, Economics, Sociology, Geology, Botany, and History	Mr. Vivek More, Dr. B.N. Mahajan, Dr. H.U. Petkar, Dr. R.S. Mankar, Dr. U.R. Kokate, Dr. G.B. Dhawale

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23	Certificate course in a) Ethnobotany b) Use of Talley software c) Gender Studies d) Leadership and political participation in local self Government	September-2020 –March 2021	Botany, Commerce, Sociology, Political Science	a) Dr. U.R. Kokate b) Dr. Vivek More c) Mr. H.U. Petkar d) Dr.S.P. Chavan
24	Workshop on “Yoga & Meditation” for students	1 st week of March 2021	Physical Education & Sports	Dr. P.G. Gawande
25	Programme by Alumni on “Entrepreneurship” in collaboration with ED Cell	1 st week of March 2021	Alumni Association	Dr. A.R. Bakshi/ Mr. S.L. Kottewar
26	Workshops on 1) Fire Safety, 2) Laboratory equipment handling, 3) Handling of glasswares for Support Staff	2 nd week of April 2021	Instrument Maintenance Committee	Dr. N.Y. Bhoge
27	Alumni Registration	August 2020- April 2021	Alumni Committee	Dr. A.R. Bakshi
28	Three activities of Alumni Association	2020-2021	Alumni Association Committee	Dr. A.R. Bakshi
29	Publication of research paper in journals notified by UGC	2020-2021	All Departments	Teaching staff
30	Establishment of Linkages and MOU	2020-2021	All Departments	Teaching and administrative staff
31	Three activities of Parent Teacher Association	2020-2021	Parent Teacher Association Committee	Dr. A.R. Bakshi
32	Gender equity programmes	2020-2021		Dr. S.N. Jagtap
33	*Jubilee Year Celebration Programmes	2020-2021	All Departments/ Committees	All staff members

(Note: 1. * Separate programme schedule will be provided

2. In-charge teaching and non-teaching staff member(s) should do the needful as per this Action plan of IQAC. For any kind of query, feel free to contact IQAC Coordinator)

(Dr. V. D. Kapse)
IQAC Coordinator


(Dr. V.R. Patil)
In-charge Principal
Acting Principal
Art, Science & Commerce College,
Chikhaldara, Dist. Amravati

Arts, Science and Commerce College, Chikhaldara
Internal Quality Assurance Cell

Internal Academic and Administrative Audit Schedule
(2020-2021)

Sr. No.	Department/Committee	Date and Time	Committee Members
01	Environmental Science	20-08-2021; 12.15 pm to 01.30 pm	Dr. V.D. Kapse Dr. A.V. Dudul Dr. B.N. Mahajan Mr. P.M. Kute
02	Botany	20-08-2021; 01.45 pm to 03.15 pm	Dr. V.D. Kapse Dr. A.V. Dudul Dr. B.N. Mahajan Mr. P.M. Kute
03	Hindi	20-08-2021; 12.15 pm to 01.30 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan
04	Petrochemical Science	20-08-2021; 01.45 pm to 03.45 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan
05	History	21-08-2021; 12.15 pm to 01.30 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Dr. K. N. Shah Mr. S.L. Kottewar
06	Industrial Chemistry	21-08-2021; 01.45 pm to 03.15 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Dr. K. N. Shah Mr. S.L. Kottewar
07	Computer Science	21-08-2021; 12.15 pm to 01.30 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan Dr. R.S. Mankar

08	Chemistry	21-08-2021; 01.45 pm to 03.15 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan Dr. R.S. Mankar
09	Marathi	23-08-2021; 12.15 pm to 01.45 pm	Dr. U.G. Tayade Dr. D.S. Hedao Dr. R.S. Mankar
10	NSS	23-08-2021; 02.00 pm to 03.30 pm	Dr. U.G. Tayade Dr. D.S. Hedao Dr. P. G. Gawande
11	Sociology	23-08-2021; 12.15 pm to 01.45 pm	Dr. V.D. Kapse Dr. A.V. Dudul Mr. P.M. Kute
12	Geology	23-08-2021; 02.00 pm to 03.30 pm	Dr. V.D. Kapse Dr. A.V. Dudul Mr. P.M. Kute
13	Library	24-08-2021; 12.15 pm to 01.15 pm	Dr. U.G. Tayade Dr. D.S. Hedao Dr. R.S. Mankar
14	Food Science	24-08-2021; 01.30 pm to 03.00 pm	Dr. U.G. Tayade Dr. D.S. Hedao Dr. R.S. Mankar
15	Mathematics	25-08-2021; 12.15 pm to 01.45 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan
16	Political Science	25-08-2021; 02.00 pm to 03.15 pm	Dr. K. N. Shah Dr. V.S. Mangle Dr. B. N. Mahajn
17	English Language Lab.	26-08-2021; 12.15 pm to 01.15 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Mr. S.L. Kottewar
18	Commerce	26-08-2021; 01.30 pm to 03.30 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Mr. S.L. Kottewar

19	English	26-08-2021; 02.00 pm to 03.30 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Mr. S.L. Kottewar
20	Economics	27-08-2021; 02.00 pm to 03.30 pm	Dr. V.D. Kapse Dr. A.V. Dudul Mr. P.M. Kute
21	Physics	27-08-2021; 12.15 pm to 01.45 pm	Dr. A. V. Dudul Dr. B.N. Mahajan Mr. S.L. Kottewar
22	Physical Education	28-08-2021; 11.10 pm to 01.30 pm	Dr. V.D. Kapse Dr. S. G. Mahajjn Dr. B.N. Mahajan
23	Office	28-08-2021; 01.45 pm to 04.30 pm	Dr.V.D. Kapse Dr. A.V. Dudul Dr. S.G. Mahajan Dr. B.N. Mahajan Dr. K. N. Shah

Note:

1. Online meeting of Academic and Administrative Audit Committee members with the Principal and IQAC Coordinator is scheduled to be held on 19/08/2021. Time of meeting and Zoom link will be shared on 18/08/2021.

2. All the concerned are directed to follow the issued directions regarding internal academic and administrative audit.

3. All are directed to follow COVID Appropriate Behavior.

Dr. V. D. Kapse
(IQAC Coordinator)

Dr. V. R. Patil
(Acting Principal)

Date: 14/08/2021

ENERGY AUDIT REPORT
of
SIPNA SHIKSHAN PRASARAK MANDAL AMRAVATI'S
Arts Science & Commerce College,
Chikhaldara



Year: 2021-22

Prepared by

Engress Services

Yashashree, 26, Nimal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795, Email: engress123@gmail.com



MAHARASHTRA ENERGY DEVELOPMENT AGENCY



Maharashtra Energy Development Agency

(Government of Maharashtra Institution)
Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,
Aundh, Pune, Maharashtra 411067
Ph No: 020-35000450
Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2022-23/CR-43/1709

10th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M's Engress Services
Yashshree, 26, Nirmal Bag Society,
Near Muktagan English School,
Parvati, Pune - 411 009.

Registration Category : *Empanelled Consultant for Energy Conservation Programme for Class 'A'*

Registration Number : *MEDA/ECN/2022-23/Class A/EA-32.*

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **09th May, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)



Engress Services

Yashashree, 26, Nirmal Bag Society,
Near Mukangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/SSPMAASCCC/21-22/01

Date: 13/5/2022

CERTIFICATE

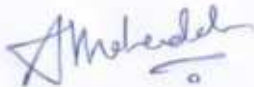
This is to certify that we have conducted Energy Audit at Sipna Shikshan Prasarak Mandal Amravati's Arts, Science & Commerce College, Upper Plateau Chikhaldara 444807, in the Year 2021-22.

The College has adopted following Energy Efficient Practices:

- Usage of Energy Efficient LED fittings
- Maximum Usage of Day Lighting

We appreciate the support of the Management, involvement of Faculty Members and students in the process of making the campus Energy Efficient.

For Engress Services,



A Y Mehendale,
Certified Energy Auditor
EA-8192



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4	Carbon Foot printing	12
5	Study of Usage of Alternate Energy	14
6	Study of usage of LED Lighting	15



ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Sipna Shikshan Prasarak Mandal Amravati's Arts, Science & commerce college, Upper Plateau Chikhaldara 444807, for awarding us the assignment of Energy Audit of their Chikhaldara campus for the Year: 2021-22.

We are thankful to all faculty members and staff members for helping us during the field study.



EXECUTIVE SUMMARY

1. Sipna Shikshan Prasarak Mandal Amravati's Arts Science & Commerce College, Chikhaldara 444 807 consumes Energy in the form of Electrical Energy used for various gadgets, Office & other facilities.

2. Present Level of Energy Consumption & CO₂ Emissions:

No	Parameter	Energy consumed, kWh	CO ₂ Emissions, MT
1	Total	4412	3.97
2	Maximum	759	0.68
3	Minimum	180	0.16
4	Average	401	0.36

3. Various Majors Adopted for Energy Conservation:

- Usage of Energy Efficient LED fittings
- Usage of BEE STAR Rated equipment

4. Usage of Alternate Energy Source:

The College has yet to install Roof Top Solar PV Plant. Therefore as on the Date, the usage of Alternate Energy to Annul Energy requirement works out to be nil.

5. Usage of LED Lighting:

- The Total Lighting load is 4.2 kW.
- The LED Lighting Demand is 2.25 kW.
- The percentage of usage of LED to total Lighting Load is 35 %

6. Notes & Assumptions:

1. 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere
2. As the Hostel facility is closed, we consider Electrical Energy consumption of only Main College building.

7. Reference:

1. For CO₂ Emissions: www.tatapower.com

ABBREVIATIONS

SSPM	:	Sipna Shikshan Prasarak Mandal
MSEDCL	:	Maharashtra State Electricity Distribution Company Limited
FTL	:	Fluorescent Tube Light
LED	:	Light Emitting Diode
kWh	:	kilo-Watt Hour
Qty	:	Quantity
W	:	Watt
PC	:	Personal Computer
MT	:	Metric Ton



CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study Connected Load
2. To study present Energy Consumption
3. To Study the CO₂ emissions
4. To study Usage of Alternate Energy
5. To study usage of LED Lighting

1.2 Table No 1: General Details of College:

No	Head	Particulars
1	Name	Sipna Shikshan Prasarak Mandal Amravati's Arts Science & Commerce College
2	Address	Upper Plateau, Chikhaldara 444807
3	Affiliation	Sant Gadgebaba Amravati University

1.3 Aerial View of College:



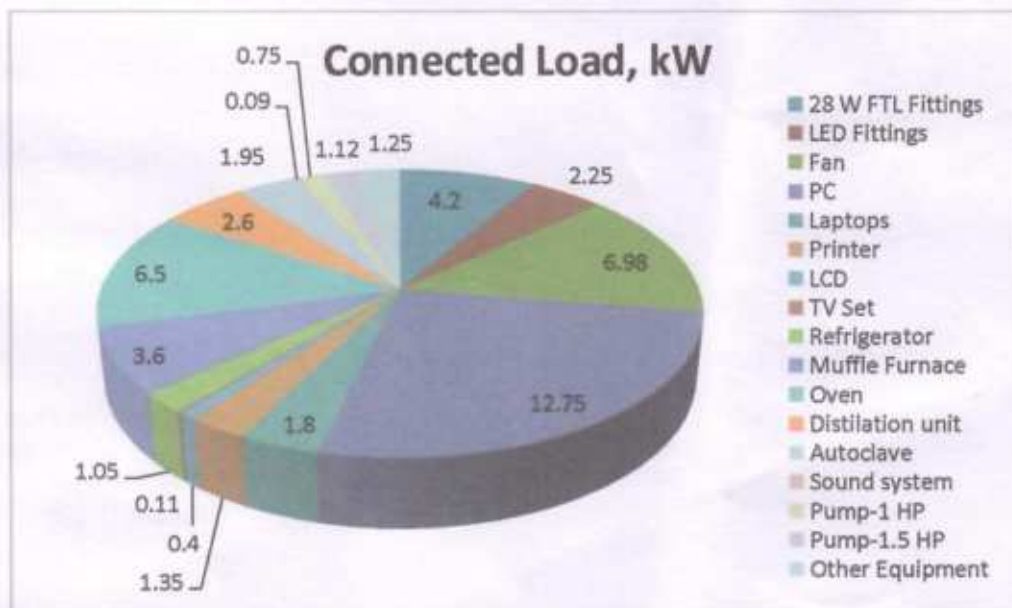
CHAPTER-II STUDY OF CONNECTED LOAD

In this chapter, we present the details of various Electrical loads as under

Table No 2: Equipment wise Connected Load:

No	Equipment	Qty	Load, W/Unit	Load, kW
1	28 W FTL Fittings	150	28	4.2
2	LED Fittings	150	15	2.25
3	Fan	97	72	6.98
4	PC	85	150	12.75
5	Laptops	20	90	1.8
6	Printer	9	150	1.35
7	LCD	4	100	0.4
8	TV Set	2	55	0.11
9	Refrigerator	3	350	1.05
10	Muffle Furnace	5	720	3.6
11	Oven	10	650	6.5
12	Distillation unit	4	650	2.6
13	Autoclave	3	650	1.95
14	Sound system	1	85	0.09
15	Pump-1 HP	1	746	0.75
16	Pump-1.5 HP	1	1119	1.12
17	Other Equipment	5	250	1.25
18	Total			49

Chart No 1: Details of Connected Load:



CHAPTER-III STUDY OF ELECTRICAL ENERGY CONSUMPTION

In this chapter, we present the analysis of last year Electricity Bills. As the Hostel facility is closed, we consider the consumption of only College premises.

Table No 3: Electrical Bill Analysis- 2021-22:

No	Month	Energy Consumed, kWh
1	Jun-21	303
2	Jul-21	237
3	Aug-21	180
4	Sep-21	511
5	Oct-21	275
6	Nov-21	344
7	Dec-21	429
8	Jan-22	336
9	Feb-22	370
10	Mar-22	759
11	Apr-22	668
12	Total	4412
13	Maximum	759
14	Minimum	180
15	Average	401

Chart No 2: To study the variation of Month wise Energy Consumption, kWh:

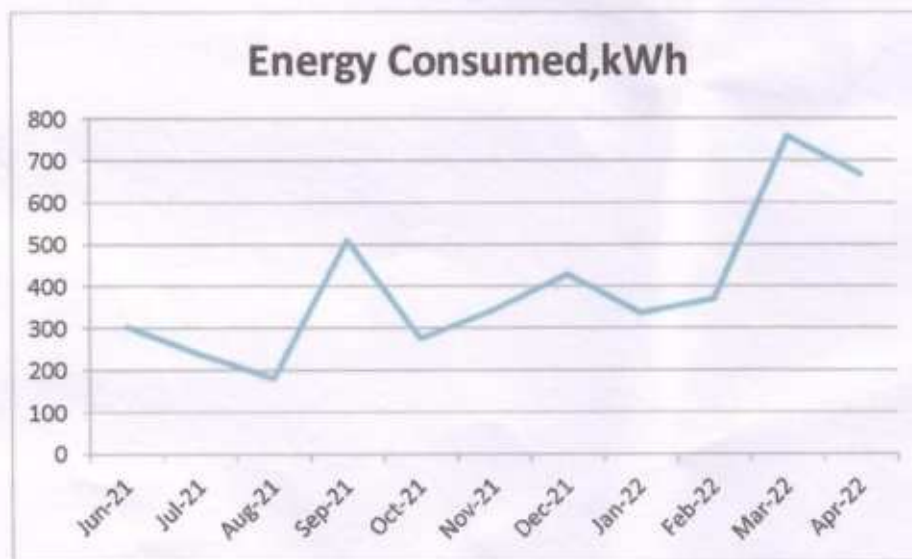


Table No 4: Key observations:

No	Parameter	Energy consumed, kWh
1	Total	4412
2	Maximum	759
3	Minimum	180
4	Average	401



CHAPTER-IV CARBON FOOTPRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy for various Electrical gadgets.

Basis for computation of CO₂ Emissions:

The basis of Calculation for CO₂ emissions due to Electrical Energy are: 1 Unit (kWh) of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 5: Month wise CO₂ Emissions:

No	Month	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Jun-21	303	0.27
2	Jul-21	237	0.21
3	Aug-21	180	0.16
4	Sep-21	511	0.46
5	Oct-21	275	0.25
6	Nov-21	344	0.31
7	Dec-21	429	0.39
8	Jan-22	336	0.30
9	Feb-22	370	0.33
10	Mar-22	759	0.68
11	Apr-22	668	0.60
12	Total	4412	3.97
13	Maximum	759	0.68
14	Minimum	180	0.16
15	Average	401	0.36

Chart No 3: Representation of Month wise CO₂ emissions:

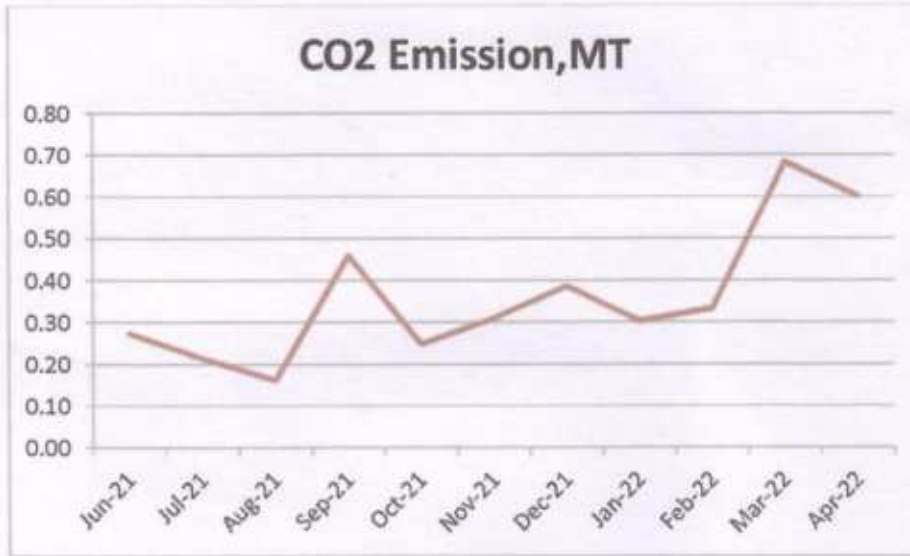


Table No 6: Key observations:

No	Parameter	Energy consumed, kWh	CO2 Emissions, MT
1	Total	4412	3.97
2	Maximum	759	0.68
3	Minimum	180	0.16
4	Average	401	0.36

CHAPTER-V

STUDY OF USAGE OF ALTERNATE ENERGY

The College has yet to install Roof Top Solar PV Plant. Therefore as on the Date, the usage of Alternate Energy to Annul Energy requirement works out to be Nil.



CHAPTER VI STUDY OF USAGE OF LED LIGHTING

In the following Table, we present the percentage of usage of LED lights to the annual Lighting power requirement.

Table No 7: Computation of % Usage of LED Lighting to Annual Lighting Demand:

No	Particulars	Value	Unit
1	No of 28 W FTL Fittings	150	Nos
2	Demand of FTL Fitting	28	W/Unit
3	Total Demand of FTL Fittings	4.2	kW
4	No of 15 W LED Fittings	150	Nos
5	Demand of 18 W LED Fitting	15	W/Unit
6	Total Demand of 18 W LED Fittings	2.25	kW
7	Total Lighting Load= 3+6	4.2	kW
8	Total LED Lighting Load= 6	2.25	kW
9	% of LED Lighting to Annual Lighting Load= $(8)*100/(7)$	35	%

ENVIRONMENTAL AUDIT REPORT
of
SIPNA SHIKSHAN PRASARAK MANDAL AMRAVATI'S
Arts Science & Commerce College
Chikhaldara



Year: 2021-22

Prepared by:

Engress Services

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MAHARASHTRA ENERGY DEVELOPMENT AGENCY



Maharashtra Energy Development Agency

(Government of Maharashtra Institution)

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Ph No: 020-35000450

Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2022-23/CR-43/1709

10th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

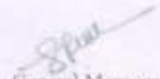
We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Engress Services
Yashshree, 26, Nirmal Bag Society,
Near Muktagan English School,
Parvati, Pune - 411 009.

Registration Category : *Empanelled Consultant for Energy Conservation Programme for Class 'A'*

Registration Number : *MEDA/ECN/2022-23/Class A/EA-32.*

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **09th May, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.


General Manager (EC)



Engress Services

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/SSPMAASCCC/21-22/03

Date: 13/5/2022

CERTIFICATE

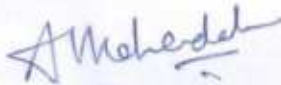
This is to certify that we have conducted Environmental Audit at Sipna Shikshan Prasarak Mandal Amravati's Arts, Science & Commerce College, Upper Plateau Chikhaldara 444807, in the year 2021-22.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Maximum Usage of Day Lighting
- Segregation of Waste at source
- Provision of Bio Composting Pit
- Implementation of Rain Water Harvesting Project
- Development of Ethno botanical Garden with important medicinal plants
- Arranging various Environmental awareness Programs for students
- Wasteland restoration by Green, Medicinal Plants, Bee flora
- Creation of Awareness by Display of Poster on Swatchh & Swastha Bharat

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Engress Services,



A Y Mehendale,
Certified Energy Auditor
EA-8192



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ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Sipna Shikshan Prasarak Mandal Amravati's Arts, Science & commerce college, Upper Plateau Chikhaldara 444807, for awarding us the assignment of Environmental Audit of their Chikhaldara campus for the Year: 2021-22.

We are thankful to all faculty members and staff members for helping us during the field study.



EXECUTIVE SUMMARY

1. Sipna Shikshan Prasarak Mandal Amravati's Arts Science & Commerce College, Chikhaldara 444 807 consumes Energy in the form of **Electrical Energy** used for various gadgets, Office & other facilities.

2. Pollution due to College Activities:

- **Air pollution:** Mainly CO₂ on account of Electricity Consumption
- **Solid Waste:** Bio degradable Garden Waste, Recyclable Waste
- **Liquid Waste:** Human liquid Waste & Laboratory Waste

3. Present Energy Consumption & CO₂ Emissions:

No	Parameter/ Value	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Total	4412	3.97
2	Maximum	759	0.68
3	Minimum	180	0.16
4	Average	401	0.36

4. Various initiatives taken for Energy Conservation:

- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting

5. Usage of Renewable Energy:

The College has yet to install Roof Top Solar PV Plant. Therefore as on the Date, the usage of Alternate Energy to Annul Energy requirement works out to be nil.

6. Indoor Air Quality:

No	Parameter/Value	AQI	PM-2.5	PM-10
1	Maximum	46	36	44
2	Minimum	25	10	12

7. Indoor Comfort Conditions:

No	Parameter/Value	Temperature, °C	Humidity, %	Lux Level	Noise Level, dB
1	Maximum	30.9	69	176	45
2	Minimum	27.4	60	52	38.1

8. Waste Management:

8.1 Segregation Waste at Source:

The recyclable waste, like paper, plastic waste is segregated at source and is handed over to Authorized waste collecting agent for further disposal.

8.2 Organic Waste Management:

The College has installed a Bio Composting Pit and the organic Waste is composted in the Plant, which is further used in the own garden.

8.3 Liquid Waste Management:

For treatment of laboratory chemicals, the College has a soak tank wherein the laboratory liquid waste is first mixed with water and then drained to the soak Tank which contains layers of sand and activated carbon.

8.4 E-Waste Management:

It is recommended to handover the E Waste through Authorized E-Waste collecting agency.

9. Rain Water Harvesting:

The College has installed Rain Water Harvesting Project, wherein the Rain Water falling on the terrace is collected and is stored in a separate Water Storage Tank. The Water is further used for domestic purpose.

10. Environment Friendly Initiatives:

- Development of Ethno botanical Garden with important medicinal plants
- Arranging various Environmental awareness Programs for students
- Wasteland restoration by Green, Medicinal Plants, Bee flora
- Creation of Awareness by Display of Poster on Swatcchh & Swastha Bharat

11. Notes & Assumptions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

12. References:

- For CO₂ Emissions: www.tatapower.com
- For indoor Air Quality: www.cpcb.com
- For Various Indoor Air Parameters: www.ishrae.com

ABBREVIATIONS

Kg	:	Kilo Gram
MSEDCL	:	Maharashtra State Distribution Company Limited
MT	:	Metric Ton
kWh	:	kilo-Watt Hour
LPD	:	Liters per Day
LED	:	Light Emitting Diode
AQI	:	Air Quality Index
PM-2.5	:	Particulate Matter of Size 2.5 Micron
PM-10	:	Particulate Matter of Size 10 Micron
CPCB	:	Central Pollution Control Board
ISHRAE	:	The Indian Society of Heating & Refrigerating & Air Conditioning Engineers

CHAPTER-I INTRODUCTION

1.1 Important Definitions:

1.1.1 Environment: Definition as per environment Protection Act: 1986

Environment includes water, air and land and the inter-relationship which exists among and between Water, Air, Land and Human beings, other living creatures, plants microorganism and property

1.1.2. Environmental Audit: Definition:

An audit which aims at verification and validation to ensure that various environmental laws are complied with and adequate care has been taken towards environmental protection and preservation

According to UNEP, 1990, "Environmental audit can be defined as a management tool comprising systematic, documented and periodic evaluation of how well environmental organization management and equipment are performing with an aim of helping to regularize the environment"

1.1.3. Environmental Pollutant: means any solid, liquid and gaseous substance present in the concentration as may be, or tend to be, injurious to Environment.

1.1.4. Relevant Environmental Laws in India: Table No-1:

1927	The Indian Forest Act
1972	The Wildlife Protection Act
1974	The Water (Prevention and Control of Pollution) Act
1977	The Water (Prevention & Control of Pollution) Cess Act
1980	The Forest (Conservation) Act
1981	The Air (Prevention and Control of Pollution) Act
1986	The Environment Protection Act
1991	The Public Liability Insurance Act
2002	The Biological Diversity Act
2010	The National Green Tribunal Act

1.1.5. Some Important Environmental Rules in India: Table No-2:

1989	Hazardous Waste (Management and Handling) Rules
1989	Manufacture, Storage and Import of Hazardous Chemical Rules
2000	Municipal Solid Waste (Management and Handling) Rules
1998	The Biomedical Waste (Management and Handling) Rules
1999	The Environment (Siting for Industrial Projects) Rules
2000	Noise Pollution (Regulation and Control) Rules
2000	Ozone Depleting Substances (Regulation and Control) Rules
2011	E-waste (Management and Handling) Rules

2011	National Green Tribunal (Practices and Procedure) Rules
2011	Plastic Waste (Management and Handling) Rules

1.1.6 National Environmental Plans & Policy Documents: Table No-3:

1.	National Forest Policy, 1988
2.	National Water Policy, 2002
3.	National Environment Policy or NEP (2006)
4.	National Conservation Strategy and Policy Statement on Environment and Development, 1992
5.	Policy Statement for Abatement of Pollution (1992)
6.	National Action Plan on Climate Change
7.	Vision Statement on Environment and Human Health
8.	Technology Vision 2030 (The Energy Research Institute)
9.	Addressing Energy Security and Climate Change (MoEF and Bureau of Energy Efficiency)
10.	The Road to Copenhagen; India's Position on Climate Change Issues (MoEF)

1.2 Objectives:

1. To study Resource Consumption & CO₂ Emissions
2. To Study CO₂ Emission Reduction
3. To study Indoor Comfort Condition Parameters
4. To Study of Waste Management
5. To Study of Rain Water Harvesting
6. To Study of Sustainable Initiatives

1.3 Aerial View of the College:



1.4 General Details of College: Table No 4:

No	Head	Particulars
1	Name of Institution	Sipna Shikshan Prasarak Mandal Amravati's Arts Science & Commerce College
2	Address	Upper Plateau, Chikhaldara 444807
3	Affiliation	Sant Gadgebaba Amravati University



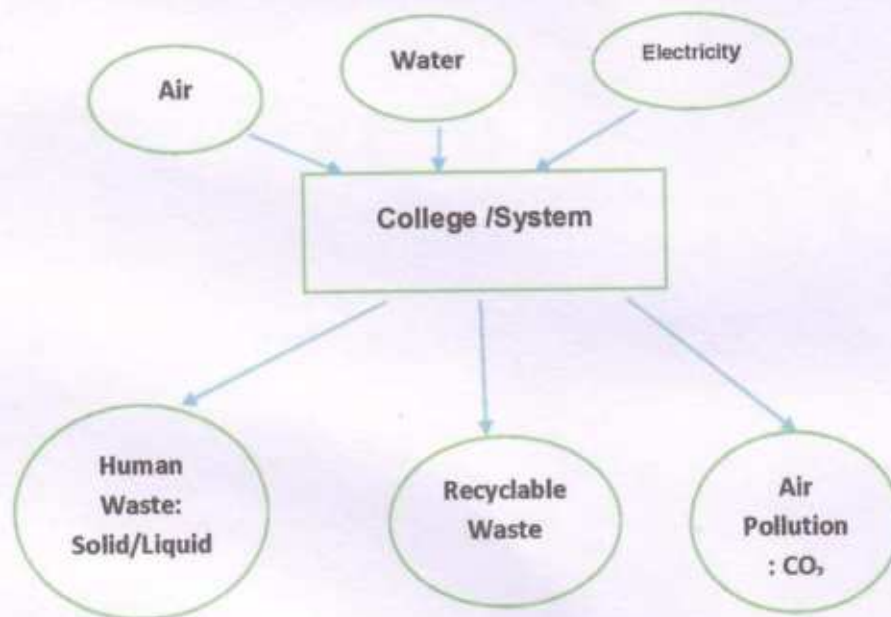
CHAPTER-II STUDY OF CONSUMPTION OF RESOURCES & CO₂ EMISSION

2.1 The Institute consumes following basic/derived Resources:

1. Air
2. Water
3. Electrical Energy

We try to draw a schematic diagram for the College System & Environment as under.

2.2 Chart No 1: Representation of Institute as a System:



Now we compute the Generation of CO₂ on account of consumption of Electrical Energy. As the Facility was closed, we consider the consumption of only College building. The basis of Calculation for CO₂ emissions due to Electrical Energy are as under

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

Table No 5: Study of Consumption of Electrical Energy & CO₂ Emissions: 21-22:

No	Month	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Jun-21	303	0.27
2	Jul-21	237	0.21
3	Aug-21	180	0.16
4	Sep-21	511	0.46
5	Oct-21	275	0.25
6	Nov-21	344	0.31

7	Dec-21	429	0.39
8	Jan-22	336	0.30
9	Feb-22	370	0.33
10	Mar-22	759	0.68
11	Apr-22	668	0.60
12	Total	4412	3.97
13	Maximum	759	0.68
14	Minimum	180	0.16
15	Average	401	0.36

Chart No 2: Month wise CO₂ Emissions:

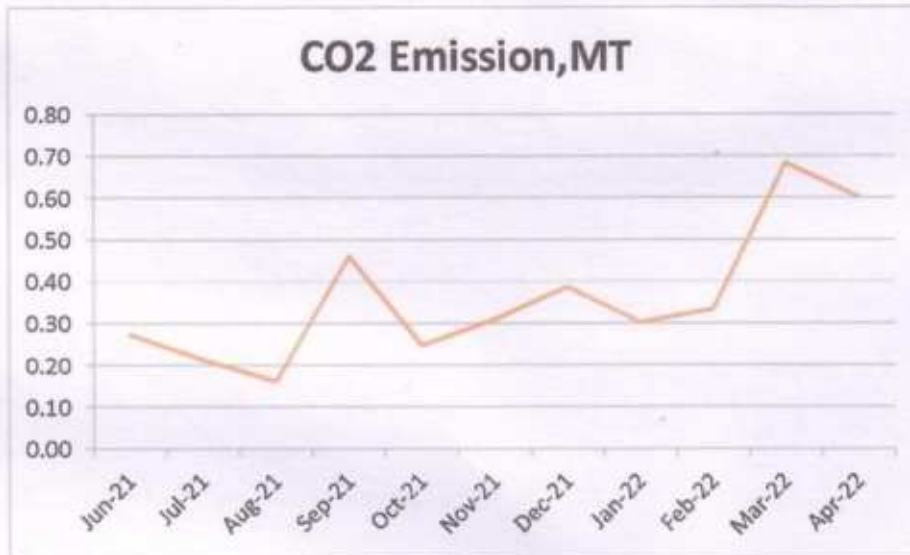


Table No 6: Important Parameters:

No	Parameter/ Value	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Total	4412	3.97
2	Maximum	759	0.68
3	Minimum	180	0.16
4	Average	401	0.36

CHAPTER III

STUDY OF CO₂ EMISSION REDUCTION

The College has yet to install Roof Top Solar PV Plant. Therefore as on the Date, the usage of Alternate Energy is nil.



CHAPTER IV STUDY OF INDOOR AIR QUALITY

4.1 Importance of Air Quality:-

Air: The common name given to the atmospheric gases used in breathing and photosynthesis.

By volume, Dry Air contains 78.09% Nitrogen, 20.95% Oxygen, 0.93% Argon, 0.039% carbon dioxide, and small amounts of other gases.

On average, a person inhales about **14,000 liters** of air every day. Therefore, poor air quality may affect the quality of life now and for future generations by affecting the health, the environment, the economy and the city's livability.

Rapid urbanization and industrialization has added other elements/compounds to the pure air and thus caused the increase in pollution. In order to prevent, control and abate air pollution, the Air (Prevention and Control of Pollution) Act was enacted in 1981.

Air quality is a measure of the suitability of air for breathing by people, plants and animals.

According to Section 2(b) of Air (Prevention and control of pollution) Act, 1981 'air pollution' has been defined as 'the presence in the atmosphere of any air pollutant.'

As per Section 2(a) of Air (Prevention and control of pollution) Act, 1981 'air pollutant' has been defined as 'any solid, liquid or gaseous substance [(including noise)] present in the atmosphere in such concentration as may be or tend to be injurious to human beings or other living creatures or plants or property or environment

4.2 Air Quality Index:

An **Air Quality Index (AQI)** is a number used by government agencies to measure the air pollution levels and communicate it to the population. As the AQI increases, it means that a large percentage of the population will experience severe adverse health effects. The measurement of the AQI requires an air monitor and an air pollutant concentration over a specified averaging period.

We present herewith following important Parameters.

1. AQI- Air Quality Index
2. PM-2.5- Particulate Matter of Size 2.5 micron
3. PM-10- Particulate Matter of Size 10 micron

Table No 7: Indoor Air Quality Parameters:

No	Location	AQI	PM 2.5	PM 10
1	Office	40	24	30
2	Env. Science Dept	36	22	28

3	Library	42	24	34
4	Comp. Lab	43	26	27
5	Botany Dept	45	28	30
6	Physics Dept	35	21	27
7	Class Room	27	16	27
8	Physical Education	46	28	44
9	Food Science	43	10	12
10	Industrial Dept	33	21	27
11	Geology	41	36	32
12	Staff	25	15	22
13	Seminar Hall	30	18	24
14	Maximum	46	36	44
15	Minimum	25	10	12



CHAPTER V STUDY OF INDOOR COMFORT CONDITION PARAMETERS

In this Chapter, we present the various Indoor Comfort Parameters measured during the Audit.

The Parameters include:

1. Temperature
2. Humidity
3. Lux Level
4. Noise Level.

Table No 8: Study of Indoor Comfort Condition Parameters:

No	Location	Temperature, °C	Humidity, %	LUX Level	Noise Level, dB
1	Office	27.4	68	145	41
2	Env. Science Dept	28.7	63	125	39.6
3	Library	29.6	69	92	45
4	Comp. Lab	29.4	63	89	40.5
5	Botany Dept	30.4	62	134	40.6
6	Physics Dept	30.8	61	63	39.6
7	Class Room	30.7	62	82	40.6
8	Physical Education	30	62	52	40.5
9	Food Science	30.5	60	52	41.6
10	Industrial Dept	30.4	60	83	41.3
11	Geology	30.9	60	71	41.3
12	Staff	29.8	64	69	38.1
13	Seminar Hall	29.2	63	176	41.3
14	Maximum	30.9	69	176	45
15	Minimum	27.4	60	52	38.1

CHAPTER VI STUDY OF WASTE MANAGEMENT

6.1 Segregation Waste at Source:

The recyclable waste, like paper, plastic waste is segregated at source and is handed over to Authorized waste collecting agent for further recycling.

Photograph of Waste Collection Bin:



6.2 Organic Waste Management:

The Bio degradable waste like leafy waste is composted in a Bio Composting Pit.

Photograph of Bio Composting Pit:



Bio
Composting Pit

6.3 Liquid Waste Management:

For treatment of laboratory chemicals, the College has a soak tank wherein the laboratory liquid waste is first mixed with water and then drained to a soak Tank which contains layers of sand and activated carbon.

Photograph of Liquid Waste Soak Tank arrangement:



6.4 E-Waste Management:

It is recommended to handover the E Waste through Authorized E-Waste collecting agency.

CHAPTER-VII STUDY OF RAIN WATER HARVESTING

The College has installed Rain Water Harvesting Project, wherein the Rain Water falling on the terrace is collected and is stored in a separate Water Storage Tank.

Water Storage Tank Details:

- Area of Tank: 1939 sq. ft.
- Tank Height: 2 meters
- Water Storage Capacity: 360400 Liters

Photograph of Rain Water Storage Tank Facility:



The Water is used for Girls Hostel & for Gardening purpose.

CHAPTER-VIII STUDY OF ENVIRONMENT FRIENDLY INITIATIVES

8.1 Internal Tree Plantation:

The College has well maintained landscaped garden in the campus.

Photograph of Tree plantation:



8.2 Creation of Awareness on Swatcchh & Swastha Bharat Abhiyan:

The College is creating awareness on importance of Cleanliness, Hygiene and Good Health under the Swatcchh & Swastha Bharat Abhiyan.

Photograph of Poster on Swatcchh & Swastha Bharat Abhiyan:



8.3 Other Environment Friendly Initiatives:

- Development of Ethno botanical Garden with important medicinal plants
- Arranging various Environmental awareness Programs for students
- Wasteland restoration by Green, Medicinal Plants, Bee flora

**ANNEXURE-I:
RECOMMENDED NOISE & INDOOR COMFORT STANDARDS:**

1. Category Wise Air Quality Index Values & Concentration of PM 2.5 & PM10:

No	Category	AQI Value	Concentration Range, PM 2.5	Concentration Range, PM 10
1	Good	0 to 50	0 to 30	0 to 50
2	Satisfactory	51 to 100	31 to 60	51 to 100
3	Moderately Polluted	101 to 200	61 to 90	101 to 250
4	Poor	201 to 300	91 to 120	251 to 350
5	Very Poor	301 to 400	121 to 250	351 to 430
6	Severe	401 to 500	250 +	430 +

2. Recommended Water Quality Standards:

No	Designated Best Use	Criteria
1	Drinking Water Source without conventional Treatment but after disinfection	pH between 6.5 to 8.5 Dissolved Oxygen 6 mg/l or more
2	Drinking water source after conventional treatment and disinfection	pH between 6 to 9 Dissolved Oxygen 4 mg/l or more
3	Outdoor Bathing (Organized)	pH between 6.5 to 8.5 Dissolved Oxygen 5 mg/l or more
4	Controlled Waste Disposal	pH between 6 to 8.5

3. Recommended Noise Level Standards:

No	Location	Noise Level dB
1	Auditoriums	20-25
2	Outdoor Playground	55
3	Occupied Class Room	40-45
4	Un occupied Class Room	35
5	Apartment, Homes	35-40
6	Offices	45-50
7	Libraries	35-40
8	Restaurants	50-55

4. Thermal Comfort Conditions: For Non-conditioned Buildings:

No	Parameter	Value
1	Temperature	Less Than 33°C
2	Humidity	Less Than 70%

GREEN AUDIT REPORT
of
SIPNA SHIKSHAN PRASARAK MANDAL AMRAVATI'S
Arts Science & Commerce College,
Chikhaldara



Year: 2021-22

Prepared by

Engress Services

Yashashree, 26, Nirmal Bag Society,
Near Muktangan English School, Parvati, Pune 411009
Phone: 09890444795, Email: engress123@gmail.com



MAHARASHTRA ENERGY DEVELOPMENT AGENCY



Maharashtra Energy Development Agency

(Government of Maharashtra Institution)

Aundh Road, Opposite Spicer College Road, Near Commissionerate of Animal Husbandary,

Aundh, Pune, Maharashtra 411067

Ph No: 020-35000450

Email: eee@mahaurja.com, Web: www.mahaurja.com

ECN/2022-23/CR-43/1709

10th May, 2022

**CERTIFICATE OF REGISTRATION
FOR CLASS 'A'**

We hereby certify that, the firm having following particulars is registered with **MAHARASHTRA ENERGY DEVELOPMENT AGENCY (MEDA)** under given category as "Energy Planner & Energy Auditor" in Maharashtra for Energy Conservation Programme of MEDA.

Name and Address of the firm : M/s Engress Services
Yashstree, 26, Nirmal Bag Society,
Near Muktanjan English School,
Parvati, Pune - 411 009.

Registration Category : *Empanelled Consultant for Energy Conservation Programme for Class 'A'*

Registration Number : *MEDA/ECN/2022-23/Class A/EA-32.*

- Energy Conservation Programme intends to identify areas where wasteful use of energy occurs and to evaluate the scope for Energy Conservation and take concrete steps to achieve the evaluated energy savings.
- MEDA reserves the right to visit at any time without giving prior information to verify quarterly activities performed by the firm and canceling the registration, if the information is found incorrect.
- This empanelment is valid till **09th May, 2024** from the date of registration, to carry out energy audits under the Energy Conservation Programme
- The Director General, MEDA reserves the right to cancel the registration at any time without assigning any reasons thereof.

General Manager (EC)



Engress Services

Yashashree, 26, Nirmal Bag Society,
Near Mukangan English School, Parvati, Pune 411 009
Tel: 09890444795 Email: engress123@gmail.com

Ref: ES/SSPMAASCCC/21-22/02

Date: 13/5/2022

CERTIFICATE

This is to certify that we have conducted Green Audit at Sipna Shikshan Prasarak Mandal Amravati's Arts, Science & Commerce College, Upper Plateau Chikhaldara 444807, in the year 2021-22.

The College has adopted following Green Initiatives:

- Usage of Energy Efficient LED Light Fitting
- Maximum Usage of Day Lighting
- Segregation of Waste at source
- Provision of Bio Composting Pit
- Implementation of Rain Water Harvesting Project
- Maintenance of Good Internal Road
- Provision of Ramp for Divyangajan
- Development of Ethno botanical Garden with important medicinal plants
- Arranging various Environmental awareness Programs for students
- Wasteland restoration by Green, Medicinal Plants, Bee flora
- Creation of Awareness by Display of Poster on Swatcchh & Swastha Bharat

We appreciate the support of Management, involvement of faculty members and students in the process of Energy Conservation & making the campus Green.

For Engress Services,



A Y Mehendale,
Certified Energy Auditor
EA-8192



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5	Study of Waste Management	15
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ACKNOWLEDGEMENT

We Engress Services, Pune, express our sincere gratitude to the management of Sipna Shikshan Prasarak Mandal Amravati's Arts, Science & Commerce College, Upper Plateau Chikhaldara 444807, for awarding us the assignment of Green Audit of their Chikhaldara campus for the Year: 2021-22.

We are thankful to all faculty members and staff members for helping us during the field study.



EXECUTIVE SUMMARY

1. Sipna Shikshan Prasarak Mandal Amravati's Arts Science & Commerce College, Chikhaldara 444 807 consumes Energy in the form of Electrical Energy used for various gadgets, Office & other facilities.

2. Present Level of Energy Consumption & CO₂ Emissions:

No	Parameter	Energy consumed, kWh	CO ₂ Emissions, MT
1	Total	4412	3.97
2	Maximum	759	0.68
3	Minimum	180	0.16
4	Average	401	0.36

3. Various initiatives taken for Energy Conservation:

- Usage of Energy Efficient LED Lighting
- Maximum Usage of Day Lighting

4. Usage of Renewable Energy:

The College has yet to install Roof Top Solar PV Plant. Therefore as on the Date, the reduction in CO₂ emissions due to usage of Renewable Energy is Nil.

5. Waste Management:

5.1 Segregation Waste at Source:

The recyclable waste, like paper, plastic waste is segregated at source and is handed over to Authorized waste collecting agent for further disposal.

5.2 Organic Waste Management:

The College has installed a Bio Composting Pit and the organic Waste is composted in the Pit, which is further used in the own garden.

5.3 Liquid Waste Management:

For treatment of laboratory chemicals, the College has a soak tank wherein the laboratory liquid waste is first mixed with water and then drained to the soak Tank which contains layers of sand and activated carbon.

5.4 E-Waste Management:

It is recommended to handover the E Waste through Authorized E-Waste collecting agency.

6. Rain Water Harvesting:

The College has installed Rain Water Harvesting Project, wherein the Rain Water falling on the terrace is collected and is stored in a separate Water Storage Tank. The Water is further used for domestic purpose.

7. Green & Sustainable Initiatives:

- Maintenance of good Internal Road
- Maintenance of Internal Garden
- Provision of Ramp for Divyangajan
- Display of Poster on Swatcchh & Swastha Bharat
- Development of Ethno botanical Garden with important medicinal plants
- Arranging various Environmental awareness Programs for students
- Wasteland restoration by Green, Medicinal Plants, Bee flora

8. Notes & Assumptions:

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

9. Reference:

- For CO₂ Emissions: www.tatapower.com

ABBREVIATIONS

SSPM	Sipna Shikshan Prasarak Mandal
kWh	Kilo Watt Hour
LED	Light Emitting Diode
Kg	Kilo Gram
MT	Metric Ton
CO ₂	Carbon Di Oxide
Qty	Quantity



CHAPTER-I INTRODUCTION

1.1 Objectives:

1. To study present Energy Consumption
2. To Study the present CO₂ emissions
3. To study usage of Renewable Energy
4. Study of Waste Management
5. Study of Rain Water Harvesting
6. Study of Green & Sustainable Practices

1.2 General Details of College: Table No 1:

No	Head	Particulars
1	Name of Institution	Sipna Shikshan Prasarak Mandal Amravati's Arts Science & Commerce College
2	Address	Upper Plateau, Chikhaldara 444807
3	Affiliation	Sant Gadgebaba Amravati University

1.3 Aerial View of College:



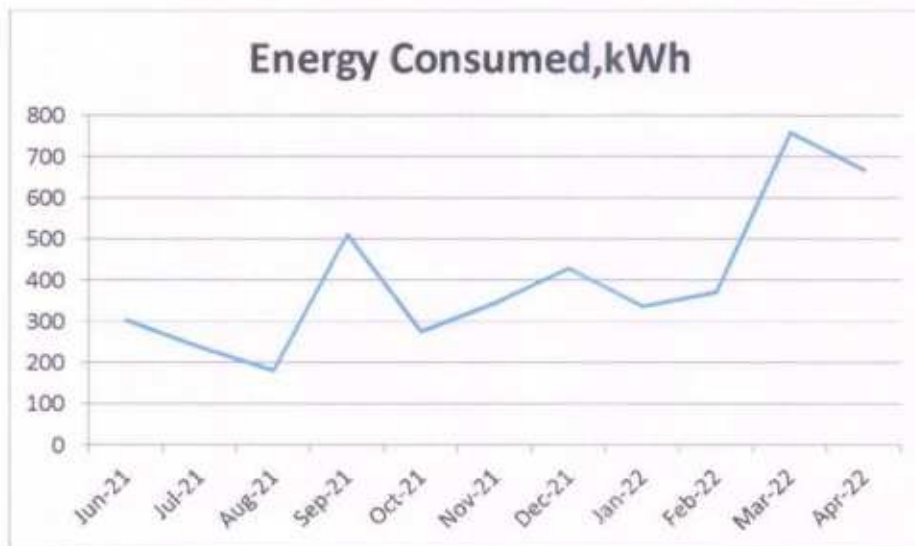
CHAPTER-II STUDY OF PRESENT ENERGY CONSUMPTION

In this chapter, we present the analysis of last year Electricity Bills. As the Hostel facility is closed, we consider the consumption of only College premises.

Table No 2: Electrical Bill Analysis- 2021-22:

No	Month	Energy Consumed, kWh
1	Jun-21	303
2	Jul-21	237
3	Aug-21	180
4	Sep-21	511
5	Oct-21	275
6	Nov-21	344
7	Dec-21	429
8	Jan-22	336
9	Feb-22	370
10	Mar-22	759
11	Apr-22	668
12	Total	4412
13	Maximum	759
14	Minimum	180
15	Average	401

Chart No 1: Variation in Monthly Energy Consumption:



Key Inference drawn:

From the above analysis, we present following important parameters:

Table No 3: Variation in Important Parameters:

No	Parameter/ Variation	Energy Consumed, kWh
1	Total	4412
2	Maximum	759
3	Minimum	180
4	Average	401



CHAPTER III STUDY OF CARBON FOOTPRINTING

A Carbon Foot print is defined as the Total Greenhouse Gas emissions, emitted due to various activities.

In this we compute the emissions of Carbon-Di-Oxide, by usage of the various forms of Energy used by the College for performing its day to day activities

The College uses Electrical Energy for various Electrical gadgets.

Basis for computation of CO₂ Emissions:

The basis of Calculation for CO₂ emissions due to LPG & Electrical Energy are as under

- 1 kWh of Electrical Energy releases 0.9 Kg of CO₂ into atmosphere

Based on the above Data we compute the CO₂ emissions which are being released in to the atmosphere by the College due to its Day to Day operations

Table No 4: Month wise CO₂ Emissions:

No	Month	Energy Consumed, kWh	CO ₂ Emissions, MT
1	Jun-21	303	0.27
2	Jul-21	237	0.21
3	Aug-21	180	0.16
4	Sep-21	511	0.46
5	Oct-21	275	0.25
6	Nov-21	344	0.31
7	Dec-21	429	0.39
8	Jan-22	336	0.30
9	Feb-22	370	0.33
10	Mar-22	759	0.68
11	Apr-22	668	0.60
12	Total	4412	3.97
13	Maximum	759	0.68
14	Minimum	180	0.16
15	Average	401	0.36

Chart No 2: Month wise CO₂ Emissions:

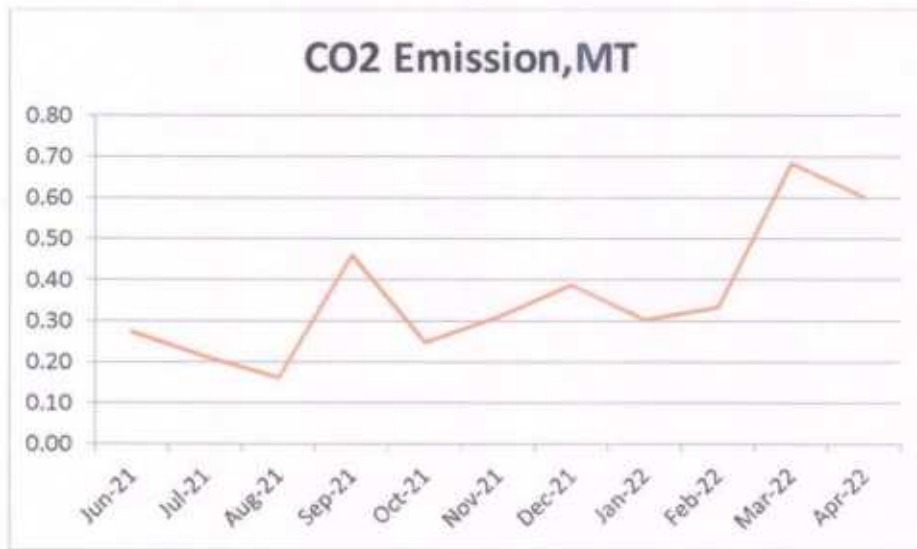


Table No 5: Key observations:

No	Parameter	Energy consumed, kWh	CO2 Emissions, MT
1	Total	4412	3.97
2	Maximum	759	0.68
3	Minimum	180	0.16
4	Average	401	0.36



CHAPTER IV STUDY OF USAGE OF RENEWABLE ENERGY

The College has yet to install Roof Top Solar PV Plant. Therefore as on the Date, the reduction in CO₂ emissions due to usage of Renewable Energy is Nil.



CHAPTER V STUDY OF WASTE MANAGEMENT

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The recyclable waste, like paper, plastic waste is segregated at source and is handed over to Authorized waste collecting agent for further recycling.

Photograph of Waste Collection Bin:



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- Area of Tank: 1939 sq.ft.
- Tank Height: 2 meters
- Water Storage Capacity: 360400 Liters

Photograph of Rain Water Storage Tank Facility:



The Water is used for Girls Hostel & for Gardening purpose.

CHAPTER-VII STUDY OF GREEN & SUSTAINABLE PRACTICES

7.1 Pedestrian Friendly Roads:

The College has well maintained internal road to facilitate the easy movement of the students within the campus.

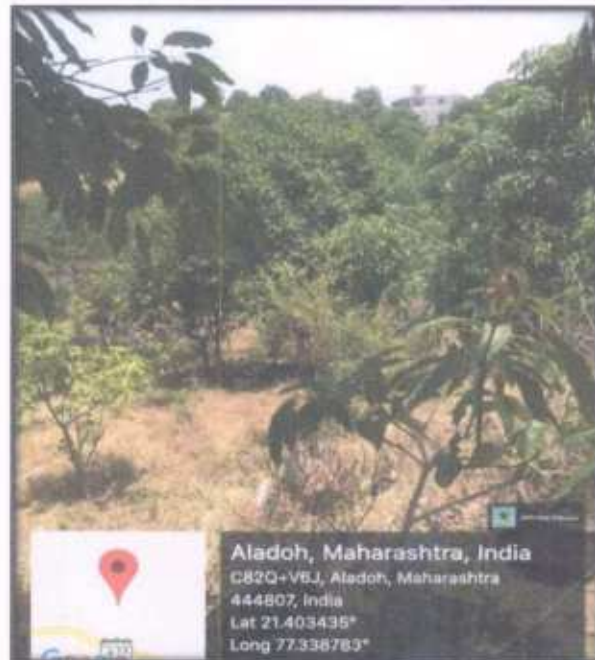
Photograph of Internal Road:



7.2 Internal Tree Plantation:

The College has well maintained landscaped garden in the campus.

Photograph of Tree plantation:



7.3 Provision of Ramp:

For easy movement of Divyangajan, the College has made provision of Ramp.

Photograph of Ramp:



7.4 Creation of Awareness on Swatcchh & Swastha Bharat Abhiyan:

The College is creating awareness on importance of Cleanliness, Hygiene and Good Health under the Swatcchh & Swastha Bharat Abhiyan.

Photograph of Poster on Swatcchh & Swastha Bharat Abhiyan:



7.5 Other Environment Friendly Initiatives:

- Development of Ethno botanical Garden with important medicinal plants
- Arranging various Environmental awareness Programs for students
- Wasteland restoration by Green, Medicinal Plants, Bee flora

**ANNEXURE-1:
LIST OF TREES:**

The total Area under Tree Plantation is about 1.5 Acres.

List of Trees:

No	Name of Tree
1	Corkball
2	Wild arecanut
3	Jackfruit
4	Boat
5	Habit
6	Kapok
7	Gulmohor
8	Banyan
9	Fig
10	SilverOak
11	Yellow Flameboyant
12	Frangipani
13	Date Palm
14	Ashoka
15	Beech
16	Guava
17	Sandalwood
18	Mahagony
19	Jambolin
20	Silver Trumpet
21	Carribbean Trumpet
22	Teak
23	Tulip



Arts, Science and Commerce College, Chikhaldara

Internal Quality Assurance Cell

Internal Academic and Administrative Audit Schedule
(2021-2022)

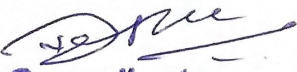
Sr. No.	Department/Committee	Date and Time	Committee Members
01	Environmental Science	15-07-2022; 12.15 pm to 01.30 pm	Dr. V.D. Kapse Dr. A.V. Dudul Dr. B.N. Mahajan Mr. P.M. Kute
02	Botany	15-07-2022; 01.45 pm to 03.15 pm	Dr. V.D. Kapse Dr. A.V. Dudul Dr. B.N. Mahajan Mr. P.M. Kute
03	Hindi	15-07-2022; 12.15 pm to 01.30 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan Dr. N. J. Suryawanshi
04	Petrochemical Science	15-07-2022; 01.45 pm to 03.45 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan Dr. N. J. Suryawanshi
05	History	16-07-2022; 12.15 pm to 01.30 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Dr. K. N. Shah Mr. S.L. Kottewar
06	Industrial Chemistry	16-07-2022; 01.45 pm to 03.15 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Dr. K. N. Shah Mr. S.L. Kottewar
07	Computer Science	18-07-2022; 12.15 pm to 01.30 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan Dr. N. J. Suryawanshi

08	Chemistry	18-07-2022; 01.45 pm to 03.15 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan Dr. N. J. Suryawanshi
09	Marathi	18-07-2022; 12.15 pm to 01.45 pm	Dr. U.G. Tayade Dr. D.S. Hedao Dr. R.S. Mankar
10	NSS	18-07-2022; 02.00 pm to 03.30 pm	Dr. U.G. Tayade Dr. P. G. Gawande Mr. P.M. Kute
11	Sociology	19-07-2022; 12.15 pm to 01.45 pm	Dr. V.D. Kapse Dr. A.V. Dudul Dr. B.N. Mahajan
12	Geology	19-07-2022; 02.00 pm to 03.30 pm	Dr. V.D. Kapse Dr. A.V. Dudul Dr. B. N. Mahajan
13	Library	19-07-2022; 12.15 pm to 01.15 pm	Dr. U.G. Tayade Dr. D.S. Hedao Dr. R.S. Mankar
14	Food Science	19-07-2022; 01.30 pm to 03.00 pm	Dr. U.G. Tayade Dr. D.S. Hedao Dr. U. S. Wasnik
15	Mathematics	20-07-2022; 12.15 pm to 01.45 pm	Dr. S.G. Mahajan Dr. V.S. Mangle Dr. S.P. Chavan
16	Political Science	20-07-2022; 02.00 pm to 03.15 pm	Dr. K. N. Shah Dr. V.S. Mangle Dr. B. N. Mahajn
17	English Language Lab.	20-07-2022; 12.15 pm to 01.15 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Mr. S.L. Kottewar
18	Commerce	20-07-2022; 01.30 pm to 03.30 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Dr. K. N. Shah Dr. R. S. Mankar

19	Apiculture	21-07-2022; 12.15 pm to 01.30 pm	Dr. V.D. Kapse Dr. A.V. Dudul Dr. B. N. Mahajan Mr. P.M. Kute
20	Economics	21-07-2022; 02.00 pm to 03.30 pm	Dr. V.D. Kapse Dr. A.V. Dudul Mr. P.M. Kute
21	Physics	22-07-2022; 12.15 pm to 01.45 pm	Dr. A. V. Dudul Dr. B.N. Mahajan Mr. S.L. Kottewar
22	Physical Education	22-07-2022; 02.00 pm to 03.30 pm	Dr. V.D. Kapse Dr. S. G. Mahajan Dr. B.N. Mahajan
23	English	22-07-2022; 02.00 pm to 03.30 pm	Dr. G.R. Dhokane Dr. U.S. Wasnik Dr. K. N. Shah Mr. S.L. Kottewar
24	Office	23-07-2022; 12.30 pm to 03.30 pm	Dr.V.D. Kapse Dr. A.V. Dudul Dr. S.G. Mahajan Dr. B.N. Mahajan Dr. K. N. Shah

Note:

1. All the concerned are directed to follow the issued directions regarding internal academic and administrative audit.



**Co-ordinator
IQAC**

Dr. V. D. Kapse
Arts, Science & Commerce College,
(IQAC Coordinator)
Chikhaldara

Distt.: Amravati(M.S.)

Date: 02/07/2022



Dr. R. S. Jaipurkar
(Principal)

Arts, Science and Commerce College, Chikhaldara

Feedback Analysis

Academic Year 2021-2022

Preamble: -

Feedback Mechanism is the most important aspect of every educational institution. Performance of the institution is easily reflected through this mechanism. Feedback Mechanism is requisite to apprehend whether the college is performing well and imparting quality education. Keeping this view college made a policy decision to collect feedback forms all stakeholders including students, teachers, alumni and parents. It is the vision of the college to work for overall development of the people of Melghat and its mission is to provide multiple platforms to tribal and other students in order to seek their comprehensive development therefore it is necessary to know whether the students are getting better facilities, quality education and support from the college. It is a proper device and a reliable tool to understand the areas for future development. The Feedback Mechanism is the showcase of the actual quality of teaching-learning and evaluation process, enabling identification of the strengths of teaching as well as the possible improvement. Students' Feedback has been framed by Internal Quality Assurance Cell of the college considering the varied instruction styles and courses taught in different programmes. A direct link to the survey or offline feedback form is provided to the students and response is obtained from them.

Aims & Objectives:-

- To facilitate the development of self-assessment in teaching learning and evaluation process.
- To provide opportunities to close gap between current and desired performance.
- To identify areas for improvement as well as commending them for evident achievement.
- To know the strengths and weaknesses for better performance.
- To develop students' self-awareness about the institution.
- To deliver good performance and impart quality education.

Role of Stakeholders: The feedback form and Students Satisfaction Survey forms are circulated to the stakeholders i.e. students, parents, alumni and teachers. They register their responses about the various aspects of the college and give their valuable suggestion if needed.

Method of Collecting Feedback : At the end of every academic year students feedback is conducted. Duly filled feedback forms are analyzed on the basis of responses registered by the stakeholders. Report is prepared as per the analysis under various following heads;

Students' feedback on:

- Faculty member/ Teachers



- College administration
- Various activities in the college
- Library
- Laboratories

Teachers', Parents' and Alumni feedback on curriculum:

- Adequacy of curriculum
- Interdisciplinary aspects of curriculum
- Existing curriculum
- Utility of curriculum for overall development of the students
- Usefulness for professional growth, etc.

Assessment and Evaluation Strategies:

Feedback committee collects Feedbacks from all the stakeholders i.e. students, teachers, alumni and parents and analyse the overall performance in different aspects like library, laboratories, administration, various activities in the college and conduct student satisfaction survey. After making proper analysis of the registered responses report is prepared accordingly



MYL
PRINCIPAL
Art, Science & Commerce
College, Chikhaldara

Arts, Science & Commerce College, Chikhaldara
Feedback Analysis(2021-2022)

Feedback of Students on Curriculum

The college has obtained feedback on curriculum from students through questionnaire. There are seven question in the feedback form collection feedback form has been done from students of three difference courses as (B.A., B.Sc. &B.Com) the analysis of feedback forms is also done.

Total Responses :- 80

Sr. No.		Excellent	Very Good	Good	Average	Below Average
1	How do you rate the curriculum in general and your response to the relevance of the curriculum	81.3%	7.5%	8.8%	2.5%	-
2	How do you rate the utility of prescribed curriculum	73.8%	13.7%	11.3%	1.2%	-
3	Is the curriculum adequate in your view?	67.5%	22.5%	8.8%	1.2%	-
4	Do you think the curriculum is helpful for overall development of the students.	75%	12.5%	12.5%	-	-
5	Syllabus indicated necessary ethical values and concerned for society.	78.8%	11.3%	7.5%	2.5%	-
6	Weightage given to employability.	68.8%	20%	7.5%	2.5%	1.2%
7	Weightage given to Practical and field work component.	73.8%	16.2%	8.8%	1.2%	-

Conclusion :-

As per Analysis the syllabus is designed as per their need and is adequate in their view. Curriculum is helpful for overall development of the students. The syllabus indicated necessary ethical values and concerned for society in their opinion. They opine that the curriculum is highly employable to them and provides practical and field work component.



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Feedback Analysis(2021-2022)

Feedback of Alumni on Curriculum

The college has obtained feedback on curriculum from Alumni through questionnaire. There are seven question in the feedback form collection feedback form has been done from Alumni. The analysis of feedback forms is also done.

Total Responses :- 46

Sr. No.		Excellent	Very Good	Good	Average	Below Average
1	Is the curriculum adequate in your view?	52.2%	32.6%	15.2%	-	-
2	What do you think about the interdisciplinary aspects of the curriculum?	54.3%	30.4%	13%	2.2%	
3	How would you rate the course curriculum for fulfilling your expectance ?	54.3%	28.3%	13%	2.2%	2.2%
4	Is the curriculum is suitable for employability in present scenario?	50%	26.1%	15.2%	8.7%	-
5	Is the curriculum congenial for the professional growth of the students	45.7%	28.3%	17.4%	4.3%	4.3%
6	How do you rate the educational activity organized by the institution for your overall development ?	65.2%	19.6%	13%	2.2%	-
7	How do you rate the academic initiatives taken by the college to bridge the gap between industry and academic?	52.2%	28.3%	10.9%	6.5%	2.2%

Conclusion :-

Alumni of the college gave their satisfactory remark over the contents of the curriculum, they found curriculum is adequate and useful as well as it fulfils interdisciplinary aspects similarly it is congenial for overall development and professional growth of students.



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Feedback Analysis(2021-2022)
Feedback of Teacher on Curriculum

There are seven question in the feedback form collection of feedback forms has been done from teachers from three different courses as (B.A, B.Com, &B.Sc). According to the analysis following major point has been noticed. Following is the percentage wise analysis of the options of the question asked to the Teachers.

Total Responses :- 23

Sr. No.		Excellent	Very Good	Good	Average	Below Average
1	As per the need of students the curriculum is	60.9%	26.1%	13%	-	
2	The content of the course have been presented from simple to complex form is	34.8%	47.8%	17.4%	-	-
3	What do you think about the interdisciplinary aspects of the curriculum?	56.5%	17.4%	26.1%	-	-
4	Weightage given to Practical and field work component.	56.5%	17.4%	13%	8.7%	4.4%
5	Do you think the curriculum is helpful for overall development of the students.	52.2%	13%	21.7%	13%	-
6	Is the curriculum congenial for the professional growth of the students.	60.9%	4.35%	30.4%	4.35%	
7	Any Suggestions.					

Conclusion :-

All the teachers are satisfied with the existing curriculum and almost all of them are contended with the interdisciplinary aspects of the curriculum. All the teachers opine that curriculum is the helpful for overall development of the students. All teacher consider that curriculum is helpful for the professional growth of the students.

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Feedback Analysis (2021-2022) Feedback of Employer on Curriculum

Employer feedback is the most important determinant of the success of any educational institution. The college has obtained feedback on curriculum from employer through following questionnaire. There are ten point scale on the feedback form. Feedback form has been collected from employer. The analysis of feedback form is as follows:

Total Responses: - 03

Sr.No.	Questionnaire	Excellent	Good	Average	Below Average
1	Innovativeness and creativity	33.3%	66.7%	00%	00%
2	Weightage given to Employability / Entrepreneurship/ Skill development	33.3%	33.3%	33.3%	33.3%
3	Weightage given to practical, field work component.	33.3%	66.7%	00%	00%
4	Depth of the course content	33.3%	66.7%	00%	00%
5	Curriculum proved useful at workplace.	66.7%	33.3%	00%	00%
6	Incorporation of component about development of ability to manage leadership qualities.	33.3%	66.7%	00%	00%
7	Weightage given to Learning values (in terms of knowledge, concepts, manual skills, analytical abilities and broadening perspectives)	33.3%	66.7%	00%	00%
8	Quality, Clarity and relevance of textual reading /Reference material / Study material	33.3%	66.7%	00%	00%
9	Usage of Curriculum for development of human resource at your industry/workplace	00%	100%	00%	00%
10	Overall rating	33.3%	66.7%	00%	00%

Conclusion :-

As per analysis most of the employer gave opinion that the curriculum has relevance to the industrial needs. Most of the employer also observed that the curriculum is capable of imparting leadership quality and curriculum is helpful for overall development of the students.



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Analysis of Feedback 2020-21

Students Feedback on Teaching, Learning and Evaluation:- Feedback on the process of Teaching, Learning and Evaluation is greatly accepted and appreciated by the students nearly 75.67% proved it 'Excellent' whereas 16.21% students think it 'Very Good' and remaining 8.10% call it 'Good'.

Students Feedback on Faculties/Teachers: -While going through the feedbacks of the students about faculties/teachers nearly 67.25% of the students preferred 'Excellence' of the teachers and are contended with their subject proficiency and general attitude. 16.21% students preferred option second i.e. 'Very Good'. Mere 8.10% called it 'Good' and 'Fair' respectively.

Students Feedback on College Administration: - Nearly 64.83% students appreciated to the various activities in the college and gave 'Excellent' remark. 21.62% students considered it 'Very Good'. Rest 13.51% rated it 'Good'.

Students Feedback on Various Activities in the College: - As far as College Administration is concerned 56.95% students are satisfied with the College Administration and proved its 'Excellence'. 27% claimed it 'Very Good' while 16.21% felt it 'Good'.

Students Feedback on curriculum:-Curriculum prescribed by SGBAU Amravati is highly appreciated by the students nearly 56.75% students found curriculum 'Excellent', 24.32% students feel it 'Very Good' and rest 18.91 call it 'Good'.

Students Feedback on Laboratory: - 67.25% students gave 'Excellent' remark to laboratory on availability of equipment, its utility and other measures. 21.62% rated it 'Very Good' and 10.81% declared it 'Good'.

Students Feedback on Library: -While appreciating the importance of library, as an excellent source of information and knowledge nearly 63% students gave 'Excellent' grade to library. 10% students found it 'Very Good' and 10.81% relied on 'Good'.

Teacher Feedback on Curriculum: - Adequacy of Curriculum: - Some of the teachers who are actually involved in the formulation of curriculum claim curriculum is Sufficient and rest conclude curriculum is adequate and fulfills expected objectives.

Interdisciplinary Aspects of Curriculum: - Almost all of the teachers are contended with the interdisciplinary aspects of curriculum.

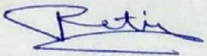
Comment of Teachers on Existing Curriculum: - All of the teachers are satisfied with the existing curriculum

Utility of Curriculum for Overall Development: -All the teachers opine that Curriculum is helpful for overall development of the students.

Useful for Professional Growth: - The view of all teachers is the same, all teachers consider that curriculum is helpful for the professional growth of the students.

Parents Feedback on Curriculum : - Taking the views of parents into consideration on various aspects about curriculum, almost all the parents of the students are satisfied and positive with curriculum and are not intended to suggest anything into it.

Alumni Feedback on Curriculum : - Alumni and alumnae of the college gave their satisfactory remark over the contents of the curriculum, they found curriculum is adequate and useful as well as it fulfils interdisciplinary aspects similarly it is congenial for overall development and professional growth of the students.


Acting Principal
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ARTS, SCIENCE AND COMMERCE COLLEGE, CHIKHALDARA

Analysis of Feedback 2019-20

Students Feedback on

Faculties/ Teachers: - Feedback of 90% of the students indicates clear excellence of the faculty members and are satisfied with their subject proficiency and general attitude. Only 10% students regard it as Very Good.

College Administration: - Taking college administration into consideration nearly 80% students have proved its excellence at the same time 20% assesses it Very Good .

Various Activities in the College: - Nearly 95% students justify excellency of the various activities in the college only 5% students have rated it Very Good.

Library: - 95% students regard library as an excellent source of academic information and knowledge only 5% evaluated it Very Good.

Laboratory: - 90% students proved Excellency of laboratory on availability of equipment its usefulness and other measures. Mere 10% students relied on Very Good.

Teachers Feedback on Curriculum:-

Adequacy of Curriculum: - Some of the faculty members who are actually involved in the formulation of curriculum, opine that, curriculum is Sufficient and all other firmly believe that curriculum is helpful to fulfill expected objectives of the students.

Interdisciplinary Aspects of Curriculum: - While going through interdisciplinary aspects of curriculum 90% teachers are contented with it, whereas 10% intended to suggest that there is need of relevancy up to some extent in existing framework.

Comment of Teachers on Existing Curriculum: - Response of most of the faculty members is satisfactory on existing curriculum, while some express their view in this regard that there should be a frequent use of Modern ICT tools as much as possible so that it enable students to explore and expand their subject knowledge.

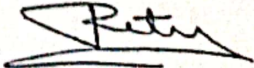
Utility of Curriculum for Overall Development: - 85% teachers express their opinion that curriculum is useful and helpful for overall development of the students at the same time 15% teachers put their different notion on its utility.

Useful for Professional Growth: - Nearly all the teachers find curriculum is useful for professional growth of the students.

Parents Feedback on Curriculum: - Parents' remark on curriculum is satisfactory, almost all the parents find curriculum is useful for overall development of the students.

Alumni: - Alumni and alumnae of the college put forth their satisfactory notion on curriculum. They find curriculum is sufficient, useful and fulfills interdisciplinary aspects as well as congenial for overall development and professional growth of the students.




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ARTS, SCIENCE AND COMMERCE COLLEGE, CHIKHALDARA

Analysis of Feedback 2018-19

Students Feedback on

Faculties/ Teachers: - Nearly 80% of the students have preferred excellence of the teacher and are satisfied with their subject proficiency and general attitude. Mere 20% students regard it as Very Good.

College Administration: - As far as college administration is concerned 85% students have opted its excellence, only 15% rated it Very Good

Various Activities in the College: - 90% students appreciated to the various activities in the college whereas only 10% students have given their Very Good remark.

Library: - 95% students expressed their Excellent view towards library as an excellent source of academic information and knowledge only 5% marked it Very Good.

Laboratory: - 95% students responded Excellency on behalf of laboratory on availability of equipment its usefulness and relevant application. Mere 5% students relied on Very Good.

Teachers Feedback on Curriculum:-

Adequacy of Curriculum: - The teachers who are involved with the work of curriculum assert curriculum is Sufficient and rest opine that curriculum is helpful to fulfill expected objectives of the students.

Interdisciplinary Aspects of Curriculum: - As far as interdisciplinary aspects of curriculum are concerned 95% teachers are contented while 5% intended to suggest the need of relevancy up to some extent in existing structure.

Comment of Teachers on Existing Curriculum: - Most of the teachers are satisfied with the framework of existing curriculum while some express their wish to make use of Modern ICT tools at large to help the students to access the orbit their knowledge.


Utility of Curriculum for Overall Development: - Nearly 90% teachers gave their opinion that curriculum is useful and helpful for overall development of the students at the same time 10% teachers put their different notion on its utility.

Useful for Professional Growth: - Almost all of the teachers think that curriculum is useful for professional growth of the students.

Parents Feedback on Curriculum: - Parents' views on curriculum is satisfactory and did not want to suggest anything in it.

Alumni: - Alumni and alumnae of the college gave their satisfactory remark over the various aspects and contents of the curriculum. They regard curriculum is sufficient, useful and fulfills interdisciplinary aspects as well as suitable for overall development and professional growth of the students.




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Analysis of Feedback 2017-18

Students: - Feedback About Faculties:-Feedback of 96% students reflects clear Excellency in terms of quality teaching and general attitude. Evidence of clear criteria upon which their work was assessed and evaluated makes it clear. Only 4% students provided their feedback as Very Good.

Feedback About College Administration: - Nearly 96% students are satisfied with college administration and approved it excellent. Only 4% students call it Very Good.

Feedback About Various Activities in the College: - 98% students highly appreciated to the various activities in the college only 2% students rated it Very Good.

Feedback About Library: - 96% students responded Excellent on behalf of the library and again only 4% rated it Very Good .

Feedback About Laboratory: - 96% students gave an excellent grade to laboratory on availability of equipment, its utility and other measures. Only 4% students relied on Very Good.

Teacher: - Adequacy of Curriculum: - Some of the teachers involved in the formulation of curriculum assert curriculum is Sufficient and rest opine that, curriculum is adequate and fulfills expected objective.

Interdisciplinary Aspects of Curriculum: - 98% Teachers are contended with the interdisciplinary aspects of the curriculum while 2% teachers intend to suggest that there is a need of correlativity up to some more extent than in existing one.

Comment of Teachers on Existing Curriculum: - Almost all of the teachers are satisfied with the existing curriculum while a few intend to suggest it should be modified in ICT terms meaning it should have more space and scope for ICT.

Utility of Curriculum for Overall Development:-98% teachers state that Curriculum is helpful for overall development of the students only 2% teachers raised the suggestion of its utility for the same.

Useful for Professional Growth: - The view of all teachers is the same, all the teachers consider that curriculum is helpful for the professional growth of the students.

Parents: - Taking the views of parents into consideration almost all the parents of the students are satisfied and positive with various aspects of the curriculum and are not intended to suggest anything into it.

Alumni: - Alumni and alumnae of the college expressed their satisfactory view over the contents of the curriculum they found curriculum is adequate, helpful with fulfillment of interdisciplinary aspects and congenial for overall development and professional growth of the students.




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**Sipna Shikshan Prasarak Mandal, Amravati's
Arts, Science and Commerce College, Chikhaldara
(2021-2022)**

Action Taken Report on Feedback

Feedback about curriculum by Students, Teachers, Alumni and Employer -

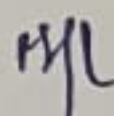
The university considers the curriculum as the centre of education Feedback Committee of the college collects regular feedback on curriculum from various stake holders such as students , teachers, alumni and employers. The collected feedback is analyzed.

Most of the students were satisfied that designed curriculum is as per need and indicated necessary ethical values. Teachers also satisfied and suggested that overall curriculum is helpful for professional growth and overall development of students.

Alumni gave satisfactory remark and they found that curriculum is adequate, useful and interdisciplinary and also suitable for employability in present scenario. Employer are satisfied that the curriculum has relevance for Industrial needs and capable of imparting leadership quality. Overall response of the students, teachers, alumni and employer are excellent in concern with curriculum.

Apart from that some suggestions have been given to the faculties and departments to make proper implementation of students support services, maintain transparency in all the aspects. Curriculum prescribed by Sant Gadge Baba Amravati University, Amravati is very useful with multiple dimensions, it fulfils interdisciplinary aspects, still we shall suggest university to make curriculum students skill oriented as well as job oriented so that they will become more confident and capable. Similarly, teachers also advised to aware about challenges in online mode and to make optimum use of modern technology and ICT tools.




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**Sipna Shikshan Prasarak Mandal, Amravati's
ARTS, SCIENCE AND COMMERCE COLLEGE, CHIKHALDARA**

Action Taken Report on Feedback (2020-2021)

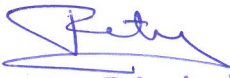
Students Feedback on Teaching, Learning and Evaluation:- Though the feedback of students on the process of Teaching, Learning and Evaluation, and Faculties was widely and greatly accepted by the students but still there is need to take more efforts to satisfy the students fully. Therefore all the teachers are advised to be prepared and improved similarly. They are suggested to be more accessible to provide every sort of knowledge as per their expertise.

Feedback about College Administration: - Number of students are satisfied with college administration however there should not be any deficiency to fulfil the expectations of the students from administration.

Feedback about curriculum by Students, Parents, Teachers and Alumni :- It will be suggested to university to make curriculum students centric as well as employment oriented so that they will become more confident and competent. Similarly teachers also advised to make optimum use of modern technology and ICT tools apart from traditional methodology.

Feedback of Employer: -Overall response of the students, teachers, parents and alumni is excellent so far as teaching, learning and evaluation, college administration, laboratory, library and various activities are concerned. Some suggestions have been already given to the concerned authorities and departments to make proper implementation of the said suggestions and maintain transparency in all the aspects so that students from our college must become competent, employable and diligent. Curriculum prescribed by Sant Gadge Baba Amravati University, Amravati is very useful with multiple dimensions, it fulfils interdisciplinary aspects, still we shall suggest university to make curriculum more employable to make professional and entrepreneurial development of the students.




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Sipna Shikshan Prasarak Mandal, Amravati's
ARTS, SCIENCE AND COMMERCE COLLEGE, CHIKHALDARA
Action Taken Report on Feedback
(2019-2020)

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Students Feedback on Teaching, Learning and Evaluation:-

The process of Teaching, Learning and Evaluation, and Faculties was widely and greatly accepted by the students. But still there is need to take more efforts by the teachers to make effective use of e-platforms to satisfy the students fully. In this regard, the concerned college committees are directed to arrange the training programmes for teachers and students for making effective use of e-platforms. Teachers are advised to make effective use of social media for providing study materials to the students.

Feedback about College Administration: -

Students expressed satisfaction towards college administration. The college plans to organise various development/training programmes for the non-teaching and administrative staff members.

Feedback about curriculum by Students, Parents, Teachers and Alumni :-

Overall response of the students, teachers, parents and alumni is very good. But, it will be suggested to university to make curriculum students centric as well as employment oriented so that they will become more confident and competent. The teachers are also advised to make effective and optimum use of various e-platforms & ICT tools apart from traditional methodology and also to develop the e-contents.




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Sipna Shikshan Prasarak Mandal, Amravati's
ARTS, SCIENCE AND COMMERCE COLLEGE, CHIKHALDARA

Action Taken Report on Feedback

(2018-2019)

➤ **Students Feedback on Teaching, Learning and Evaluation:-**

The process of Teaching, Learning and Evaluation, and Faculties was widely and greatly accepted by the students. But still there is need to take more efforts by the teachers to unertake doubt solving sessions and experiential learning methods to satisfy the students . In this regard, the concerned departments/committees are ditectd to do the needful. Teachers are advised to make to provide necessary study materails, question banks to the students and arrange interactive sessions.

➤ **Feedback about College Administration: -**

Students expressed satifaction towards college administration. The college administration always showed patient and prompt reposne towards the queries from students and staff. The college plans to organise various development/training programmes for the non-teaching and administrative staff members.

➤ **Feedback about curriculum by Students, Parents, Teachers and Alumni :-**

Overall response of the students, teachers, parents and alumni is very good. But, it will be suggested to university to make curriculum students centric as well as employment oriented so that they will become more confident and competent. The teachers are also advised to make effective and optimum use of ICT tools apart from traditional methodology and also to develop the study materials.




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Action Taken Report on Feedback

(2017-2018)

1. Students Feedback on Teaching, Learning and Evaluation-

The process of Teaching, Learning and Evaluation, and Faculties was widely and greatly accepted by the students. But still there is need to take more efforts by the teachers to unertake doubt solving sessions to satisfy the students. In this regard, the concerned departments/committees are ditected to do the needful. Teachers are advised to make to provide necessary study materails & question banks to the students.

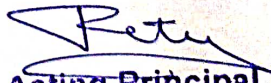
2. Feedback about College Administration-

Students expressed satisfaction towards college administration. The college administration always showed patient and prompt reposne towards the queries from students and staff. The college plans to organise various development/training programmes for the non-teaching and administrative staff members.

3. Feedback about curriculum by Students. Parents, Teachers and Alumni -

Overall response of the students, teachers, parents and alumni is very good. But, it will be suggested to university to make curriculum students centric as well as employment oriented so that they will become more confident and competent. The teachers are also advised to make effective and optimum use of ICT tools apart from traditional methodology and also to develop the study materials.




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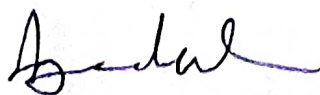
Arts, Science and Commerce College, Chikhaldara
Coordination committee report
(Arts, Science and Commerce Faculty)
(2021-2022)

Objectives :

- To coordinate faculty of Arts, Science and Commerce.
- Coordinate syllabus completion
- Hold Student induction program
- Degree certificate distribution
- Coordinate Science, Arts and Commerce faculty members for teaching, learning, evaluation

IQAC and principal continuously guides and monitor the whole procedure of teaching, learning and evaluation. IQAC action plan, College activity plan are followed accordingly. Coordination committee works as a mediator and facilitator between IQAC, Principal and all teaching faculties. According to government and university instructions the teaching, learning and evaluation process was carried out the offline way. The classes were taken using traditional methods like question answers, use of blackboard, etc. Study material was also disseminated among students. According to IQAC plan, Activity plan, Silver jubilee celebration plan. A number of online & offline programs and activities were organized. Students were intimated about and facilitated for all these programs. As was expected and planned evaluation process, after a long time gap, happened offline. Both internal and university examination were taken offline way. Students' problems and grievances were addressed and redressed. Revision sessions were organized as per need of students. The whole process of teaching learning and evaluation is regularly discussed in IQAC meets problems faced any are solved here; faculties are sought and guided to work in accordance with NAAC guidelines, SOPs, etc. Students were motivated not only to attend the classes but also to take active part in all activities. They were also guided to submit university examination form, scholarship form, etc. All the faculties have submitted regular report of teaching of their respective subjects.

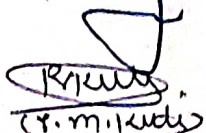
Coordinator
Arts Faculty



Coordinator
Science Faculty



Coordinator
Commerce Faculty



(R. M. Kulkarni)


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