



Late Reverend Father Shri. Maskuji Biruji Burungale Education Society's

**SHRI DNYANESHWAR MASKUJI BURUNGALE SCIENCE
AND ARTS COLLEGE, SHEGAON-444203, Dist. BULDANA**

(Affiliated to Sant Gadge Baba Amravati University, Amravati)

(Accredited by NAAC with B⁺ Grade with CGPA 2.65)



Criterion- VI
GOVERNANCE, LEADERSHIP, AND MANAGEMENT

Q₁M -6.2

Strategy Development and Deployment



Late Reverend Father Shri. Maskuji Buruji Burungale Education Society, Shegaon (R.No. F-422)

SHRI. DNYANESHWAR MASKUJI BURUNGALE SCIENCE & ARTS COLLEGE

AKOT ROAD, SHEGAON - 444 203 DIST - BULDANA (M.S.)

Ph. No. 07265 - 253959, Fax - 07265 - 254939

(Affiliated to Sant Gadge Baba Amravati University, College Code No.: 333)

Website - www.edmbsc.org

E-mail: edmbshEGAON@gmail.com, edmbec333@sgbau.ac.in

(NAAC Accredited with B+ Grade, C.G.P.A. 2.65)

Shri. Ramvijay Dnyaneshwar Burungale
President

Dr. R. E. Khadsan
Principal

Cell - 9767317055, E-mail - dr.khadsan@gmail.com

Self Declaration

This is to declare that, the information, reports, true copies of the supporting documents, numerical data, and web links etc. furnished in this file are verified by IQAC and the head of the institution and found correct.


Maskuji C Co-ordinator
Shri. D M. Burungale Science & Arts College
SHEGAON 444203 Dist. Buldana
TRACK ID-MHCOKN7739F




Principal
Shri Dnyaneshwar Maskuji Burungale
Science & Arts College, Shegaon
Dist. Buldana, Pin - 444203

IQAC Co-Ordinator

Principal

Shri.D.M.Burungale Science & Arts College , Shegaon.

Received Office Order regarding constitution of College Committee's for an academic session 2021-2022.

S.N.	Name of Staff Member	Designation	Signature
1	Dr.R.E.Khadsan	Principal	
2	Dr.D.L.Bhade	Asso.Prof.in EVS	
3	R.B.Barabde	Asstt.Prof.in EVS	
4	Dr.G.D.Tambatkar	Asstt.Prof.in Chem.	
5	Dr.A.B.Wadekar	Asstt.Prof.in Chem	
6	Dr.Ku.R.J.Deshmukh	Asstt.Prof.in Chem	
7	Y.P.Wayal	Asstt.Prof.in Chem	
8	Dr.Ku.Y.S.Patil	Asstt.Prof.in Micro.	
9	A.P.Nagrle	Asstt.Prof.in Micro.	
10	Dr.P.M.Deshmukh	Asstt.Prof.in Micro.	
11	M.J.Thakare	Asstt.Prof.in Micro.	
12	Dr.K.R.Mule	Asstt.Prof.in Math.	
13	N.G.Ghungarwar	Asstt.Prof.in Math.	
14	V.V.Agarkar	Asstt.Prof.in CS.	
15	Dr.Ku.V.P.Shelke	Asstt.Prof.in EXTC.	
16	Dr.Ku.R.K.Jwanjal	Librarian	
17	Dr.P.V.Pingle	Dir.of Phy.Edu.	
18	R.K.Punde	Asstt.Prof.in Pol.Sci	
19	P.R.Chambhare	Asstt.Prof.in Soc.	
20	M.D.Sonone	Asstt.Prof.in History	
21	J.B.Rajgure	Asstt.Prof.in English	
22	Ku.N.M.Todkar	Asstt.Prof.in Marathi	
23	C.S.Shinde	Head Clerk	
24	J.O.Malthane	Senior Clerk	
25	S.S.Mane	Junior Clerk	
26	Ku.Poonam K.Hajare	Student	
27	Hariom Gawande	Student	
28	Ku.Vaishali Nawkar	Student	


Principal

Shri Dnyaneshwar Maskuji Burungale
Science & Arts College, Shegaon
Dist. Buldana, Pin - 444203

**SHRI.DNYANESHWAR MASKUJI BURUNGALE SCIENCE AND ARTS COLLEGE SHEGAON
COLLEGE COMMITTEES FORMED UNDER IQAC FOR SESSION: 2021-22**

S N	Category	Name of Committee	Coordinator	Members of the Committee	
				Name	Position
1	IM	IQAC- (Internal Quality Assurance Cell) & College Staff Council	Dr. A.B. Wadekar	Dr.R.E.Khadsan	Chairman
				Dr. A.B. Wadekar	Director/Coordinator
				Dr.D.L. Bhade	Teacher Member
				Dr.Ku.Y.S.Patil	Teacher Member
				Dr.G.D.Tambatkar	Teacher Member
				Dr.K.R.Mule	Teacher Member
				Dr.Ku.R.K.Jawarijal	Teacher Member
				Dr.P.V.Pingle	Teacher Member
				V.V.Agarkar	Teacher Member
				Dr.Ku.V.P.Shelke	Teacher Member
				Kamalakar Maskuji Burungale	Member- Management
				Mr.C.S.Shinde	Administrative Officer
				Dr.Rajkumar S.Sharma	Expert - Local Society
				Mr. Shivaji Nile	Student Alumni
				Ku. Poonam Kishor Hajare	Student
				Shri. Shivaji Umakant Burungale	Employer/ Social Worker,
				Shri. R.B.Ingle	Member- Industrialist
				Shri. Ashok Vyas	Stakeholder

2	IM	NAAC Steering Committee	Dr.Ku.Y.S.Patil	Criteria I- Coordinator – V.V.Agarkar Members – Dr. P.V.Pingle, J.B.Rajgure Criteria II- Coordinator- Dr.G.D.Tambatkar Members-R.B.Barabde,R.K.Punde Criteria III- Coordinator- Dr.D.L.Bhade Members- Dr.Ku.V.P.Shelke Criteria IV- Coordinator- Dr.Ku.R.K.Jawanjal Members- Dr.Ku.R.J.Deshmukh Mr.C.S.Shinde Ku.N.M.Todkar Criteria V- Coordinator – Dr.K.R.Mule Members- N.G.Ghungarwar M.D.Sonone Criteria VI – Coordinator- A.P.Nagrle Members- Dr.P.M.Deshmukh P.R.Chamhare Criteria VII- Coordinator –Y.P.Wayal Members- M.J.Thakare J.O.Malthane
3	IM	API Screening Committee	Dr. D.L.Bhade	President – Dr.R.E.Khadsan Member: Dr.G.D.Tambatkar, Dr.Ku.Y.S.Patil
4		Admission Committee	V.V. Agarkar Dr.G.D. Tambatkar Dr. Ku. V.P. Shelke Dr. P.V. Pingle	Dr.G.D.Tambatkar (Coordinator for B.Sc. Che, Micro, EVS) Members: Y.P.Vayal, Dr. P.M.Deshmukh Dr. Ku. V.P. Shelke (Coordinator For Cps, Math,ETC) Members: N.G. Ghungharwar, R.B.Barabde, S.S.Mane Dr. P.V. Pingle (Coordinator For B.A) Members: M.J. Thakare, R.K.Punde, P.R.Chamhare, M.D. Sonone, A.P.Nagrle, J.B.Rajgure, Ku. N.B. Bhogaonkar, C.S.Shinde
5.	IM	Attendance committee	V.V. Agarkar	Member: Dr. G.D.Tambatkar (CME), Dr.P.V.Pingle (B.A.) Dr. Ku.V.P. Shelke(MCE)

6.	IM	College Exam & Time Table Committee	Dr. Ku. Y.S. Patil	Member: Dr. D.L.Bhade, Dr.G.D.Tambarkar, Dr.K.R.Mule, Dr.V.S.Shelke, V.V.Agarkar	
7.	IM	UGC. RUSA. NIRF, AISHE, MIS Committee	V.V. Agarkar	Member: R.B.Barbde, Y.P.Wayal, Dr. P.M.Deshmukh	
8.	IM	Magazine, Prospectus	Dr. D.L.Bhade	Co-Editor: Dr. Ku. R.J.Deshmukh Editor: Dr.Ku. N.M. Bhogaonkar(Marathi Section) M.D.Sonone (Hindi Section), J.B.Rajgure (English Section)	
9.	IM	Finance and Purchase Committee	Dr.R.E.Khadsan	All HoD's and C.S. Shinde	Hon. Ramvijay Dnyaneshwar Burungale (MI)
10.	IM	Result Monitoring and Mentoring Committee	Dr. V.P. Shelke	Dr. G.D.Tambarkar, Dr. K.R. Mule, A.P.Nagrale, R.B.Barbade, Dr.Ku.R.J.Deshmukh, N.G.Ghungharwar	
11.	IM	Website Committee	V.V. Agarkar	A.P.Nagrale, Y.P.Wayal P.M. Deshmukh, N.G.Ghungharwar	
12.	IM	Environmental Studies Committee	Dr. D.L. Bhade	R.B.Barbde, S.G.Sonone, Pandit Gawande	
13.		Research Cell	Dr. A.B. Wadekar	Dr. D.L.Bhade, Dr. Ku. V.P.Shelke, Dr. G.D.Tambarkar, Dr. K.R. Mule, Dr.Ku.Y.S.Patil	
14.	IM	Arts Faculty	R.K.Punde	P.R.Chambhare, N.M.Bhogaonkar, M.D.Sonone, R.B.Rajgure	
15.	IM	Science Faculty	Dr. D.L. Bhade	Dr.Ku. Y.S.Patil, Dr.G.D.Tambarkar, Dr.K.R.Mule, Dr.V.S.Shelke, V.V.Agarkar	
16.	IM	Feedback committee	V.V.Agarkar	Dr. D.L.Bhade, Dr.Ku. Y.S.Patil, Dr.G.D.Tambarkar, Dr.K.R.Mule, Dr.V.P.Shelke	
17.	IM	Convocation Ceremony	Dr.P.V. Pingle	Dr. D.L.Bhade, Dr.Ku. Y.S.Patil, Dr.G.D.Tambarkar, Dr.K.R.Mule, Dr.V.P.Shelke,	

18.	sw	College Student Council & Development, Career Guidance Cell, Career Katta, Student AID fund committee	A.P. Nagrale	Dr. K.R. Mule, Dr.R.K. Jawanjai, R.B. Barabde, Dr.V.S. Shelke Y.P.Wayal, Dr. P.M. Deshmukh, R.K.Punde and M.D.Sonone	
19.	sw	Training and placement cell, student counseling	Dr. G.D. Tambatkar	A.P.Nagrale, N.G.Chungharwar, Dr.P.M.Deshmukh, Y.P.Wayal. Dr. V.S.Shelke.	
20.	sw	Library Advisory Committee	Dr.R.E. Khadsan	Secretary:- Dr. R.K.Jawanjai, Member:- Dr.P.V.Pingle, V.V.Agarkar, R.B.Barabde, Dr. A.B. Wadekar, A.P.Nagrale, C.S.Shinde, Hariom S.Gawande, Vaishali S. Nawkar	
21.	sw	Anti-ragging, internal complaints and student Counseling Committees	Dr.G.D. Tambatkar	Dr.K.R.Mule, Y.P.Wayal, A.P.Nagrale V.V.Agarkar, Dr.R.K.Jawanjai, Dr.Ku. R.J.Deshmukh	
22.	sw	Discipline, Sports, Yoga, Meditation and Gymnasium, Health care committee	Dr. P.V. Pingle	Dr.K.R.Mule, Dr.V.S.Shelke, Dr.Ku. R.J.Deshmukh M.J.Thakare Y.P.Wayal, C.S. Shinde	
23.	sw	Women's Grievance Redressed Committee, girl student health and Women welfare committee.	Dr. Y.S. Patil	Dr. Ku.R.K.Jawanjai, Dr.Ku. V.P.Shelke Dr.Ku.R.J.Deshmukh, Ku. N.M.Bhogaonkar	Hon. Ramvijay Dnyaneshwar Burugale
24.	sw	Extension Activity Committee and Best Practices	Dr.K.R.Mule	R.B.Barabde, Dr.P.M. Deshmukh, Dr. Ku.V.P.Shelke, N.G.Chungharwar, Y.P.Wayal, Saloni Trivedi, Soham Kale.	
25.	sw	Alumni, Parents and Teachers Association, Mentor and mentee Scheme	Dr.Ku. R.J. Deshmukh	Dr. K.R. Mule, Dr.P.V.Pingle, Y.P.Wayal, R.B.Barabde	

26.	SW	Add on Courses , Innovation & Entrepreneur Cell Vocational Training Committee	V.V.Agarkar	One staff member from each department for design add on course ABW, RKJ, NGG, PVP, VPS.	
27.		Industry Academic- collaboration committee	Dr.Y.S.Patil	Dr.D.L.Bhade, Dr. G.D.Tambekar, Dr.K.R.Mule, V.V. Agarkar, Dr. V.P.Shelke.	
28.	SW	Cultural Activity Committee	R.B.Barbade	A.P.Nagrale, Y.P.Wayal, Dr. P.M. Deshmukh, Dr. Ku. R.K.Jawanjal, Ku.N.M.Todkar. Shri. J.O. Maltane	
29.	IM	Infrastructure and Canteen maintenance Committee	M.J.Thakare	A.P.Nagrale, Dr.P.M.Deshmukh, Dr. V.S.Shelke Dr.Ku.R.J.Deshmukh	
30.	IM	Academic and Administrative Audit Committee (AAA)	Dr.Y.S.Patil	Dr. D.L.Bhade, Dr. G.D.Tambekar, Dr.K.R.Mule, Dr.R.K.Jawanjal, A.P.Nagrale, RB Barbade, V.V. Agarkar, Y.P.Wayal	
31.	SW	NSS	Dr.G.D.Tambekar	Dr.Ku. R.J.Deshmukh, Y.P.Wayal M.J.Thakare, N.M.Bhogaonkar M.D.Sonone	
32.	SW	Competitive Exam & Guidance Committee	N.G.Chungharwar	A.P.Nagrale, Y.P.Wayal, M.J.Thakare, Dr. Ku. R.K.Jawanjal, Ku. N.M.Bhogaonkar	
33.	IM	Student Satisfactory Survey	R.B.Barbade	Dr. K.R.Mule, Dr.G.D.Tambekar, Dr.Ku.V.S.Shelke Y.P.Wayal, N.J.Thakare	
34.	SW	Students Advisory Committee	Dr.P.V.Pingle	Dr.D.L.Bhade, Dr.K.R.Mule, V.V.Agarkar, A.P.Nagrale, S.S.Mane	
35.		Class Tour and Excursion Committee	Dr.D.L. Bhade	Dr. G.D.Tambekar, A.P.Nagrale, Dr.R.J.Deshmukh, Dr.Ku.V.P.Shelke, M.J.Thakare N.G.Chungharwar, Dr.P.M.Deshmukh,	
36.	SW	Scholarships-Free ship Guidance Committee	Dr.D.L.Bhade	Dr.K.R.Mule, A.P.Nagrale, Dr.Ku.R.J.Deshmukh, M.J.Thakare, J.B.Rajgure, Ku.N.M.Bhogaonkar SS Mane	

37.	SW	Slow and Fast Learner students management and remedial coaching Committee, Remedial and Bridge Course Committee	Dr. P.M. Deshmukh	R.B.Barbde, V.V.Agarkar, N.G.Ghungarwar, Y.P.Wayal Dr.Ku.V.S.Shelke M.J.Thakare	
38.		RTI Committee	Dr.R.E.Khadsan	CS Shinde and J.O. Malthane	
39.		Award, Felicitation and Prize distribution committee (for staff and students)	A.P. Nagrale	Dr. K.R.Mule, Dr. D.L.Bhade, Dr.G.D.Tambarkar, Dr. Ku.V.S. Shelke, Dr.Ku.Y.S.Patil, V.V.Agarkar	
40.	IM	College cleanliness and beautification committee	Y.P.Wayal	Dr.R.K.Jawanjil, N.J.Thakare, Dr.P.M.Deshmukh Dr.Ku.R.J.Deshmukh,	-
41		College Planning Committee	Dr.R.E.Khadsan	Dr.D.L. Bhade, Dr.Y.S.Patil, Dr. G.D.Tambarkar, Dr.K.R. Mule, Dr.V.P.shelke and V.V.Agarkar, C.S.Shinde, Saloni Trivedi, Soham Kale.	

Note:- 1) All Conveners are instructed to arrange at least 3 meetings within an academic session.

- 2) In absence of convenueer, the next member in the committee will take charge of it.
- 3) Conveners should keep the record of meeting notice, minutes, action taken, program report, news cutting and relevant photographs of their respective committees.
- 4) Report should be prepared in English and with print on A4 size paper along with softcopy.
- 5) The conveners should report every month about activities of their respective committees to the IQAC coordinator. (Notice, Activities photos (Geo Tag), Activity Report, Participants' Signature sheets, News, Certificates if any)
- 6) * IM = Institutional Management, SW= Student Welfare, Wef - 17th August 2021.



Principal

(Dr. R.E. Khadsan)

Shri Dnyaneshwar Maskuji Burungala
Science & Arts College, Shrigaon
Dist. Buldana, Pin - 444203

Page no. 06 of 06

SHRI.D.M.BURUNGALE SCIENCE & ARTS COLLEGE, SHEGAON.

COLLEGE COMMITTEES 2020-2021

1. ADMISSION COMMITTEE

- | | | |
|---------------------|----------------------------|------------------------------|
| 1) V.V.Agarkar | - Asstt. Prof & HOD | - Co-Ordinator (B.Sc.) |
| 2) Dr.G.D.Tambatkar | - Asstt. Prof & HOD | - Co-Ordinator (B.Sc.Bio.) |
| 3) Y.P.Wayal | - Asstt Prof | - Member |
| 4) Dr.P.M.Deshmukh | - Asstt.Prof. | - Member |
| 5) Dr.Ku.V.P.Shelke | - Asstt. Prof & HOD | - Co-ordinator (B.Sc.Maths) |
| 6) N.G.Ghungarwar | - Asstt. Prof | - Member |
| 7) R.B.Barabde | - Asstt. Prof. | - Member |
| 8) S.S.Mane | - Jr. Clerk (Adm. Clerk) | - Member |

2. ADMISSION COMMITTEE

- | | | |
|----------------------|----------------|------------------------|
| 1) Dr.P.V.Pingle | - Dir.Phy.Edu. | - Co-Ordinator (B.A.) |
| 2) M.J.Thakare | - Asstt.Prof. | - Member |
| 3) R.K.Punde | - Asstt.Prof. | - Member |
| 4) P.R.Chambhare | - Asstt. Prof | - Member |
| 5) M.D.Sonone | - Asstt. Prof | - Member |
| 6) J.B.Rajgure | - Asstt. Prof. | - Member |
| 7) Ku.N.M.Bhogaonkar | - Asstt.Prof. | - Member |
| 8) C.S.shinde | - Head Clerk | - Member |

2. LIBRARY COMMITTEE

- | | | |
|-----------------------|---------------------|-------------|
| 1) Dr.R.E.Khadsan | - Principal | -President |
| 2) Dr.Ku.R.K.Jawanjal | - Librarian | - Secretary |
| 3) Dr.D.L.Bhade | - Asso. Prof & HOD | - Member |
| 4) Dr.G.D.Tambatkar | - Asstt. Prof & HOD | - Member |
| 5) Dr.Ku.Y.S.Patil | - Asstt. Prof & HOD | - Member |
| 6) Dr.K.R.Mule | - Asstt. Prof & HOD | - Member |
| 7) Student (Boy) | | |
| 8) Student (Girl) | | |

3. ANNUAL MAGAZINE (RUGVED) COMMITTEE

- | | | |
|-----------------------|----------------------------|---------------------------|
| 1) Dr.D.L.Bhade | - Asso. Prof & HOD | - Chief Editor |
| 2) Dr.Ku.R.J.Deshmukh | - Asstt. Prof in Chemistry | - Co-Editor |
| 3) Ku.N.M.Bhogaonkar | - Asstt. Prof in Marathi | - Editor- Marathi Section |
| 4) M.D.Sonone | - Asstt. Prof in History | - Editor- Hindi Section |
| 5) J.B.Rajgure | - Asstt. Prof in English | - Editor- English Section |



4. TIME TABLE COMMITTEE

1) Dr.Ku.Y.S.Patil	- Asstt. Prof & HOD	- Co-Ordinator
2) Dr.D.L.Bhade	- Asso. Prof & HOD	- Member
3) Dr.K.R.Mule	- Asstt. Prof & HOD	- Member
4) V.V.Agarkar	- Asstt. Prof & HOD	- Member
5) Dr.Ku.V.P.Shelke	- Asstt.Prof. & HOD	- Member
6) R.K.Punde	- Asstt. Prof	- Member

5. DISCIPLINE COMMITTEE

1) Dr.P.V.Pingle	- DPE & S	- Co-ordinator
2) Dr.D.L.Bhade	- Asso. Prof & HOD	- Member
3) Dr.K.R.Mule	- Asstt. Prof. & HOD	- Member
4) Dr.Ku.V.P.Shelke	- Asstt.Prof. & HOD	- Member
5) Dr.G.D.Tambatkar	- Asstt.Prof. & HOD	- Member
6) Mr.C.S.shinde	- Head Clerk	- Member

6. WOMEN GRIEVANCES REDRESSAL COMMITTEE

1) Dr.Ku.Y.S.Patil	- Asstt. Prof & HOD	- Co-Ordinator
2) Dr.Ku.R.K.Jawanjal	- Librarian	- Member
3) Dr.Ku.V.P.Shelke	- Asstt. Prof & HOD	- Member
4) Dr.Ku.R.J.Deshmukh	- Asstt. Prof	- Member
5) Ku.N.M.Bhogaonkar	- Asstt. Prof	- Member
6) Ku.J.M.Raut	- Asstt.Prof.	- Member

7. NAAC COMMITTEE

1) Dr.R.E.Khadsan	- Principal	- President
2) Dr.A.B.Wadekar	- Asstt. Prof	- Co-Ordinator
3) Dr.D.L.Bhade	- Asso. Prof & HOD	- Member
4) Dr.G.D.Tambatkar	- Asstt. Prof & HOD	- Member
5) Dr.K.R.Mule	- Asstt. Prof & HOD	- Member
6) Shri C.S. Shinde	- Head Clerk	- Member

8. API COMMITTEE

1) Dr.R.E.Khadsan	- Principal	- President
2) Dr.D.L.Bhade	- Asstt. Prof & HOD	- Co-Ordinator
3) Dr.G.D.Tambatkar	- Asstt. Prof & HOD	- Member
4) Dr.Ku.Y.S.Patil	- Asstt. Prof & HOD	- Member



Principal

9. IQAC COMMITTEE

1) Dr.R.E.Khadsan	- Principal	- President
2) Dr.A.B.Wadekar	- Asstt.Prof.	- Co-Ordinator
3) Dr.Ku.Y.S.Patil	- Asstt. Prof & HOD	- Member
4) Dr.D.L.Bhade	- Asso. Prof & HOD	- Member
5) Dr.G.D.Tambatkar	- Asstt. Prof & HOD	- Member
6) Dr.K.R.Mule	- Asstt.Prof. & HOD	- Member
7) V.V.Agarkar	- Asstt Prof. & HOD	- Member
8) Dr.Ku.V.P.Shelke	- Asstt.Prof. & HOD	- Member
9) Dr.P.V.Pingle	- Dir of Phy Edu	- Member
10) Dr.Ku.R.K.Jawanjal	- Librarian	- Member

10.TOUR & EXCURSION COMMITTEE

1) Dr. K.R.Mule	- Asstt. Prof & HOD	- Co-Ordinator
2) Dr.D.L.Bhade	- Asstt. Prof & HOD	- Member
3) Dr.G.D.Tambatkar	- Asstt. Prof & HOD	- Member
4) Dr.Ku.R.J.Deshmukh	- Asstt.Prof.	- Member
5) Ku.N.M.Todkar	- Asstt. Prof.	- Member
6) M.D.Sonone	- Asstt.Prof.	- Member

11.ANTI-RAGGING COMMITTEE

1) R.B.Barabde	- Asstt. Prof	- Co-ordinator
2) Dr.P.V.Pingle	- Dir. Phy.Edu.	- Member
3) Dr.G.D.Tambatkar	- Asstt. Prof & HOD	- Member
4) V.V.Agarkar	- Asstt. Prof & HOD	- Member
5) Dr.K.R.Mule	- Asstt. Prof. & HOD	- Member
6) M.J.Thakare	- Asstt.Prof.	- Member
7) R.K.Punde	- Asstt. Prof.	- Member
8) Dr.Ku.R.K.Jawanjal	- Librarian	- Member
9) Dr.Ku.R.J.Deshmukh	- Asstt Prof	- Member
10) Mr.C.S.Shinde	- Head Clerk	- Member

12. STUDENTS ADVISORY COMMITTEE

1) Dr.P.V.Pingle	- Director of Sports	- Co-ordinator
2) Dr.D.L.Bhade	- Asso. Prof & HOD	- Member
3) Dr.K.R.Mule	- Asstt. Prof & HOD	- Member
4) V.V.Agarkar	- Asstt. Prof & HOD	- Member
5) A.P.Nagrle	- Asstt. Prof	- Member
6) Shri S.S. Mane	- Junior Clerk	- Member (MSW)


Principal

13. JOB GUIDANCE COMMITTEE (T & P CELL)

1) Dr.G.D.Tambatkar	- Asstt. Prof & HOD	- Co-ordinator
2) Dr.Ku.Y.S.Patil	- Asstt. Prof & HOD	- Member
3) V.V.Agarkar	- Asstt. Prof & HOD	- Member
4) Dr.K.R.Mule	- Asstt. Prof. & HOD	- Member
5) Dr.D.L.Bhade	- Asstt. Prof & HOD	- Member
6) Dr.Ku.V.P.Shelke	- Asstt. Prof & HOD	- Member

14. CULTURAL ACTIVITIES COMMITTEE

1) Prof.R.B.Barabde	- Asstt.Prof.	- Co-ordinator
2) A.P.Nagrle	- Asstt. Prof	- Member
3) Y.P.Wayal	- Asstt. Prof	- Member
4) Dr.P.M.Deshmukh	- Asstt. Prof.	- Member
5) Dr.Ku.R.K.Jawanjal	- Librarian	- Member
6) Ku.N.M.Todkar	- Asstt. Prof	- Member
7) Shri.J.O.Malthane	- Sr. Clerk	- Member

15. BACKWARD CLASS STUDENTS SCHOLARSHIP GUIDANCE COMMITTEE

1) Dr.D.L.Bhade	- Asso.Prof.	- Co-ordinator
2) A.P.Nagrle	- Asstt. Prof	- Member
3) N.G.Ghungarwar	- Asstt. Prof	- Member
4) Dr.Ku.R.J.Deshmukh	- Asstt.Prof.	- Member
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| 3) Prof.Dr.Ku.Y.S.Patil | - Asstt. Prof & HOD | - Member |
| 4) Prof.R.B.Barabde | - Asstt. Prof | - Member |
| 5) Prof.V.V.Agarkar | - Asstt. Prof & HOD | - Member |
| 6) Prof.K.R.Mule | - Asstt. Prof. & HOD | - Member |
| 7) Prof.R.K.Punde | - Asstt.Prof. | - Member (B.A.) |
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| 3) Prof.Dr.Ku.Y.S.Patil | - Asstt. Prof & HOD | - Member |
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- Asstt. Prof & HOD
- Asstt. Prof & HOD
- Asstt. Prof & HOD
- Asstt. Prof. & HOD
- Asst.Prof.
- Head Clerk

- Co-ordinator
- Member
- Member
- Member
- Member
- Member
- Member

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- | | | |
|-------------------------|---------------------|----------------|
| 1) Prof.D.L.Bhade | - Asstt. Prof & HOD | - Co-Ordinator |
| 2) Prof.K.R.Mule | - Asstt. Prof & HOD | - Member |
| 3) Prof.G.D.Tambatkar | - Asstt. Prof & HOD | - Member |
| 4) Prof.Dr.Ku.Y.S.Patil | - Asstt. Prof & HOD | - Member |

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- | | | |
|-----------------------|----------------------|----------------|
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| 2) Prof.D.L.Bhade | - Asstt. Prof & HOD | - Member |
| 3) Prof.K.R.Mule | - Asstt. Prof & HOD | - Member |
| 4) Prof.V.V.Agarkar | - Asstt. Prof & HOD | - Member |
| 5) Prof.Manoj Sonone | - Asstt. Prof | - Member |
| 6) Shri S.S. Mane | - Junior Clerk | - Member (MSW) |

JOB GUIDANCE COMMITTEE (T & P CELL)

- | | | |
|--------------------------|----------------------|----------------|
| 1) Dr.G.D.Tambatkar | - Asstt. Prof & HOD | - Co-ordinator |
| 2) Prof.Dr.Ku.Y.S.Patil | - Asstt. Prof & HOD | - Member |
| 3) Prof.V.V.Agarkar | - Asstt. Prof & HOD | - Member |
| 4) Prof.K.R.Mule | - Asstt. Prof. & HOD | - Member |
| 5) Prof.D.L.Bhade | - Asstt. Prof & HOD | - Member |
| 6) Prof.Dr.Ku.V.P.Shelke | - Asstt. Prof & HOD | - Member |

CULTURAL ACTIVITIES COMMITTEE

- | | | |
|-------------------------|---------------|----------------|
| 1) Prof.R.B.Barabde | - Asstt.Prof. | - Co-ordinator |
| 2) Prof.A.P.Nagrle | - Asstt. Prof | - Member |
| 3) Prof.A.B.Wadekar | - Asstt. Prof | - Member |
| 4) Prof.Ku.R.K.Jawanjal | - Librarian | - Member |
| 5) Prof.Ku.S.M.Mankhair | - Asstt. Prof | - Member |
| 6) Shri.J.O.Malthane | - Sr. Clerk | - Member |

BACKWARD CLASS STUDENTS SCHOLARSHIP GUIDANCE COMMITTEE

- | | | |
|-------------------------|---------------|---------------------|
| 1) Prof.D.L.Bhade | - Asstt.Prof. | - Co-ordinator |
| 2) Prof.A.P.Nagrle | - Asstt. Prof | - Member |
| 3) Prof.A.B.Wadekar | - Asstt. Prof | - Member |
| 4) Prof.Ku.R.K.Jawanjal | - Librarian | - Member |
| 5) Prof.P.R.Chambhare | - Asstt. Prof | - Member |
| 6) Shri.S.S.Mane | - Jr. Clerk | - Scholarship Clerk |



**SHRI. DNYANESHAR MASKUJI BURUNGALE SCIENCE
AND ARTS COLLEGE SHEGAON DIST.BULDANA-444203**

Perspective plan-2021-22

- 1) To enhance placement activity.
- 2) To promote soft skill development activities and programs for students.
- 3) To prepared NAAC documentation for SSR preparation and face NAAC.
- 4) To publish IQAC Newsletter-2023.
- 5) To complete lab recognition procedure for remaining subjects.
- 6) To conduct Pre Ph.D. course.
- 7) To enhance the active participation in environmental friendly initiative.
- 8) To conduct value added / add on courses.
- 9) To organizes conferences, Seminar and Workshops for students as well as teachers.
- 10) To Publish Jigyasa-2023.
- 11) Best student award-2023.

Principal

PRINCIPAL

Shri.Dnyaneshwar Maskuji Burungale
Science and Arts College, SHEGAON
Dist - Buldana 444203 (M.S.)

NAAC/IQAC Co-ordinator
Shri.D.M.Burungale Science & Arts College,
SHEGAON 444203 Dist.Buldana
TRACK ID: 44HCCG1272023



SHRI. DNYANESHAR MASKUJI BURUNGALE SCIENCE AND ARTS COLLEGE SHEGAON DIST.BULDANA-444203

Perspective Plan-2020-21

- 1) To construct various student welfare and Institutional management committees to maintain and enhance to quality in educational work.
- 2) Effectively execute Mentor-Mentee scheme.
- 3) To execute IQAC-Newsletter-2022 practice.
- 4) To execute Jigyasa-2022.
- 5) Student of the Year-2022 award.
- 6) To run department wise add on courses in subject.
- 7) To sign MOU with various Departments, Institutions and government and non government bodies for more student and teacher interactions and made available more platform to expose themselves.
- 8) To maintain safety measures against covid-19.
- 9) To organizes workshop and seminar/webinar to enhance the skill of NAAC E-documentation.
- 10) To complete the process of research lab reorganization in concern subjects.
- 11) To organizes workshop, seminar, webinar and conferences to promote the quality improvement strategies in teaching and non teaching staff.
- 12) To conduct program for gender equality and women empowerment
- 13) To conduct soft skill development program

NAAC/IQAC Co-ordinator

Shri. D.M. Burungale Science & Arts College,

SHEGAON 444203 Dist. Buldana

TRACK ID-MHCCGN27685

Principal

Shri. Dnyaneshwar Maskuji Burungale

Science and Arts College, SHEGAON

Dist- Buldana 444203 Dist. Buldana



**SHRI. DNYANESHAR MASKUJI BURUNGALE SCIENCE
AND ARTS COLLEGE SHEGAON DIST.BULDANA-444203**

Perspective plan-2019-20

- 1) To maintain safety measures against covid-19.
- 2) Responsibility of preparing sanitizers will be given to the Department of Microbiology.
- 3) To increase E-platform used during Covid-19 Pandemic for admission process, the schedule of internal examination and theory examination will be reviewed and the committees for admission process and examination work will be formed.
- 4) Schedule to undertake online classes (Zoom Classes), what's App Group and Digital Platform will be formed to communicate and upload all the various activities related to online teaching, webinars and e-teaching learning process.
- 5) To organizes workshop and seminar/webinar to enhance the skill of NAAC E-documentation.
- 6) To endorse the faulty for refresher, FDP, orientation course, short term course on online platform.
- 7) Significantly devote for research lab reorganization in concern subjects.
- 8) To organizes workshop, seminar, webinar and conferences to promote the quality improvement strategies in teaching and non teaching staff.
- 9) ICT facilities will be increased for teaching learning activity enrichment.

NAAC/IQAC Co-ordinator

Shri. D.M. Burungale Science & Arts College,

SHEGAON 444203 Dist. Buldana

TRACK ID-MHCCGN274851

Principal

PRINCIPAL

**Shri. Dnyaneshwar Maskuji Burungale
Science & Arts College, Shegaon
Dist. Buldana, Pin - 444203**



**SHRI. DNYANESHWAR MASKUJI BURUNGALE SCIENCE
AND ARTS COLLEGE SHEGAON DIST.BULDANA-444203**

Perspective Plan-2018-19

- 1) Significantly devote for research lab reorganization in concern subjects.
- 2) IQAC organizes workshop seminar webinar and conferences to promote the quality improvement strategies in teaching and non teaching staff.
- 3) IQAC organizes workshop and seminar/webinar to enhance the skill of E-documentation of NAAC.
- 4) To create research oriented environment for students as well as teacher.
- 5) To Motivate faculty member for complete their doctorate and focus to increase quantity publication.
- 6) To promote faculty for MRP submission.
- 7) To enhance the active participation in environmental friendly initiative.
- 8) To conduct more promoting activity for mental and physical development of students and faculty.
- 9) ICT facilities will be increased for teaching learning activity enrichment.
- 10) To endorse the faculty for refresher, orientation course, short term course and CAS promotion.
- 11) To increase number of Best Practices and Extension activities.

Y. J. J.

NAAC/IQAC Co-ordinator
Shri.D.M.Burungale Science & Arts College,
SHEGAON 444203 Dist.Buldana
TRACK ID-MHCCGN274853

R. Chaudhary

Principal
PRINCIPAL

Shri.Dnyaneshwar Maskuji Burungale
Science and Arts College, SHEGAON
Dist - Buldana 444203 (M.S.)



**SHRI. DNYANESHWAR MASKUJI BURUNGALE SCIENCE
AND ARTS COLLEGE SHEGAON DIST.BULDANA-444203**

Perspective plan -2017-18

1. To provide consultancy in Microbiology, Chemistry & Env. Science department.
2. To conduct skill development activities for students and maintain record with exact number of students, divisions and batches.
3. To organize State National and international level Seminars/ Workshop/ Conferences, Symposia etc.
4. To invite international faculty
5. To organize local, regional, state, and national level seminars on current patterns of governance system and social inclusion.
6. Extensive use of ICT in Teaching, Learning and Research.
7. To Introduce Virtual Education Cell.
8. To organize science exhibitions to promote the students for competitions
9. To develop medicinal plants garden.
10. To extend activities of Students Association in Microbiology (SAM) to make extension work more scientific for the most needed sections of society (AIDS patients).
11. To set up a proper mechanism to develop consultancy possibly through the NSS for the farmers in management of soil.
12. To constitute a committee for organizing extension activities.
13. To introduce the value-added courses with 30 contact hours.
14. To undertake online students satisfaction survey regarding teaching-learning process.
15. To make provision for institutional seed money.
16. To keep record of placement of outgoing students and preserve the documents of report about placement. (Documents necessary to upload for NAAC verification).
17. To develop student/alumni database of student progression to higher education.
18. To register students for skill based NPTEL short-term online courses. (Each department should select at least one course of NPTEL).
19. To undertake faculty exchange programme.

Dr. Ku. Y.S. Patil

NAAC Coordinator

Shri. D.M. Burungale Science & Arts College

SHEGAON 444203 Dist. Buldana

TRAC ID: 381000007745

Dr. R.E. Khadsan
Principal

PRINCIPAL

**Shri. Dnyaneshwar Maskuji Burungale
Science and Arts College, SHEGAON
Dist - Buldana 444203 (M.S.)**



**SHRI. DNYANESHWAR MASKUJI BURUNGALE SCIENCE
ART COLLEGE SHEGAON DIST.BULDANA-444203**

Perspective Plan-2016-17

1. Develop and effective alumni association and publication of a scientific journal/periodical, and organize workshop/seminar at regional and national level.
2. To motivate the students for both subjective and objective type of study so they can face the competitive examination like MPSC, UPSC, NET and SET etc.
3. To increase the more number of book in the departmental library.
4. To motivate the students to make the campus green and eco-friendly.
5. To organize the tree plantation program to mediate the air pollution.
6. To motivate the students to clean the water bodies in catchments areas.
7. To motivate the students to secure the admission in higher class.

[Signature]

AAC/QAC Co-ordinator

Shri. D.M. Burungale Science & Arts College

SHEGAON 444203 Dist. Buldana

TRACK ID: MHCOGN77123

[Signature]

Principal

**Shri Dnyaneshwar Maskuji Burungale
Science & Arts College, Shegaon
Dist. Buldana, Pin-444203
Dist - Buldana 444203 (M.S.)**



IQAC NEWSLETTER QUALITY INVENTIVENESS AND ACCOMPLISHMENTS

Annually Bulletin of IQAC
Shri. Dnyaneshwar Maskuji Burungale
Science and Arts College Shegaon Dist. Buldana-Maharashtra

Volume-02 (01) 2021

Shri. Dnyaneshwar Maskuji Burungale Science and Arts
College Shegaon Dist. Buldana-444203

Hon. Shri. Ramvijay
Dnyaneshwar Burungale

President,
Late Reverend father
Shri. Maskuji Biruji Burungale
Educational Society Shegaon

Dr. R.E. Khadsan
(Principal)

Shri.Dnyaneshwar Maskuji
Burungale Science and
Arts College Shegaon

IQAC Newsletter Committee

Dr. A.B. Wadekar
(Coordinator)

Members

Mr. R.B. Barabde
Dr. Ku. V.P.Shelke
Mr. A.P. Nagrale
Dr. P.M. Deshmukh
Mr. N.G. Ghungharwar
Dr. Ku.R.J. Deshmukh

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Dr. A.B. Wadekar
Mr. A.P. Nagrale
Dr. Ku.R.J. Deshmukh
Mr. N.G. Ghungharwar
Dr. P.M. Deshmukh



Address for Correspondence
Dr. R.E. Khadsan
Principal
Shri. Dnyaneshwar Maskuji
Burungale Science and Arts College
Shegaon Dist. Buldana

This newsletter published by Internal quality Assurance cell of Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon. Main aim to inform all stakeholders in details about various activities organised by college. Through this activity try to rise involvement and participation of all stakeholders.



Principal's Message:

Quality is a byword for excellence in education. The assurance and sustenance of quality in higher education institutions is the primary responsibility of the Internal Quality Assurance Cell (IQAC). The formation of IQAC has been effected thanks to the initiative of the National Assessment and Accreditation Council of India (NAAC), the apex evaluator body for HEIs. The purpose of this cell is to implement and internalize innovative and best practices in all the academic and administrative processes that define an institution. In fact, IQAC is no less than the heart of an institution. It pumps into the academia a rich and constant supply of ideas and practices that have a transformative effect in terms of improving institutional health, efficiency and productivity. It is through its effective functioning that the institution fulfils its aims at quality enrichment and quality sustenance. The SDMB College IQAC has been putting in a lot of efforts for introducing student-centric teaching and learning, focused research along with goal- oriented governance and management. The last one year, in particular, has been a year of intense and hard preparation for the IQAC as it leads the College for the Second Cycle of NAAC reaccreditation. I am extremely happy that the IQAC of our College is bringing out this issue of a newsletter for academic session 2021-22 dedicated solely to matters regarding higher education and NAAC measures. I congratulate the editorial team of the news letter for this richly informative inaugural issue with warm regards.

Dr. R.E.Khadsan
Principal



Editorial Massage :

The board of editors is really proud exuberant to present the issue of second volume of IQAC newsletter to all its stakeholders. The main aim of this practice is to get maximum involvement of all the stakeholders by providing them complete information about the activities of the IQAC. The basic principle underlying this approach is that if the people involved in any productive activity are well informed, the participation index and involvement grows at a higher pace. Principal and the Coordinator moved towards getting all the stakeholders involved with the optimum use of the minimum possible resources with the tool of an IQAC newsletter.

The Principal and the Coordinator of the college decided to prepare a document that could provide complete and clear information about the activities of the NAAC, IQAC and the role of the college in the post accreditation set up. A small documentary booklet prepared which included the introduction accreditation of college by NAAC, vision and mission of the college, objectives and functions of the IQAC, Plans chalked out, objectives and targets accomplished recent milestones and future plans.

I expressed my sincere gratitude toward Honorable Shri. Ramvijay Dnyaneshwar Burungale, President, Late. Reverend Father Shri. Maskuji Biruji Burungale Education Society, Shegaon, Dr. R.E.Khadsan, Principal, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon, all IQAC Committee members, teaching staffs of our college and editorial team for their valuable co-operation and strong support during successful move of this IQAC Newsletter-2022 and I expects the same in future too.

Dr. A.B. Wadekar
Chief Editor

Index

SN	Title	Page No.
1)	IQAC Committee	1
2)	First Cycle NAAC Certificate & Quality Profile	1
3)	College Vision	2
4)	College Mission	
5)	Objectives Of IQAC	
6)	Functions	
7)	Operational Features Of The IQAC	3
8)	Academic Calendar -2021-22	4
9)	Bank- Teacher Meet	5
10)	IQAC Khandelwal College Akola Visited to our College	6
11)	Induction Program-2021-22	6
12)	COVID-19 Vaccination and Mask Distribution	7
13)	Program on Right to information Act-2005	8
14)	Celebration Mahatma Gandhi Jayanti	8
15)	CAS of Faculty	9
16)	Constitution day Celebration and Program on Intellectual Property Rights	9
17)	Voter Awareness Program	10
18)	Participated In AISHE and Management Information System (MIS)	10
	Portal of MHRD, Government of India,	
19)	Stress Management Program	11
20)	Women Cell	12
21)	Gender Equality and Sensitization	12
22)	Jigyasa-2022 and Feedback System SSS, Best student award	13
23)	Mentor-Mentee Scheme, Parent Teacher meet, Alumni Meet	14
24)	Convocation ceremony -2021, World Ozone Day Celebration	15
25)	IIT JAM Awareness Workshop	16
26)	NDA/CDS Awareness Workshop-2021-22, Counselling and Placement Cell	17
27)	Soft Skill Development Workshop	18
28)	Cultural Committee Internal Quality Assurance cell Meeting	19
	IQAC Future Plans of Actions for Next Academic Year	
29)	National Digital Library Indian Club	20
30)	Department of Environmental Science	21-25
31)	Department of Chemistry	26-29
32)	Department of Microbiology	30-32
33)	Department of Computer Science	33-34
34)	Department of Electronics	35-38
35)	Department of Mathematics	39-41
36)	Library	42-45
37)	Department of Physical education	46-48
38)	National Service Scheme (NSS)	49-52



IQAC COMMITTEE

Sr. No.	Name	Designation
1.	Dr.R.E.Khadsan	Chairman
2.	Dr. A.B. Wadekar	Coordinator
3.	Dr.D.L. Bhade	Teacher Member
4.	Dr.Ku.Y.S.Patil	Teacher Member
5.	Dr.G.D.Tambatkar	Teacher Member
6.	Dr.K.R.Mule	Teacher Member
7.	Dr.Ku.R.K.Jawanjal	Teacher Member
8.	Dr.P.V.Pingle	Teacher Member
9.	V.V.Agarkar	Teacher Member
10.	Dr.Ku.V.P.Shelke	Teacher Member
11.	Kamalakar Maskuji Burungale	Member- Management
12.	Mr.C.S.Shinde	Administrative Officer
13.	Dr.Rajkumar S.Sharma	Expert Member - Local Society
14.	Mr. Shivaji Nile	Student Alumni
15.	Ku. Poonam Kishor Hajare	Student
16.	Shri. Shivaji Umakant Burungale	Social Worker
17.	Shri. R.B.Ingle	Member-Employer/ Industrialist
18.	Shri. Ashok Vyas	Stakeholder

First Cycle NAAC Certificate & Quality Profile



College Vision

Shri. Dnyaneshwar Maskuji Burungale Science & Arts College, Shegaon as a learning community committed to pursuing excellent and inspiring achievement, provide quality educational programs and services to enrich and empower students to reach their full potential as inform and productive members of the society.

Excellence:-

SDMBSACS College strives for excellence in programs and services through fostering innovative teaching practices and educational technologies and valuing personal interaction as the core to learning.

Community:-

SDMBSACS College endeavors to built community through addressing the educational needs of its service area, reaching out to underrepresented population fostering relationship with local school and transfer institution and forging partnership with business and community organization.

Student Success:

SDMBSACS college promote students success by providing students centered academic and support services and creating opportunities for the employment, internship and community services.

College Mission

Shri Dnyaneshwar Maskuji Burungale Science and Arts College, Shegaon inspire and prepare our students to reach their educational goals by providing:

- Excellence in Teaching.
- Rigorous academic programs for completion and transfer.
- Training to enhance employment and career skills.
- Preparatory programs for student's success

Objectives of IQAC:

To work as catalyst for endorsement of academic and administrative quality enhancement and sustenance.

To developed democratic environment for effective execution of academic and administrative activities.

Functions

- a) Development and application of quality benchmarks;
- b) Setting parameters for various academic and administrative activities of the institution;
- c) Facilitating the creation of a learner-centric environment conducive to quality education and faculty development to adopt the required knowledge and technology for participatory teaching and learning process;

- d) Collection and analysis of feedback from all the stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters to all the stakeholders;
- e) Organization of intra- and inter-institutional workshops and seminars on quality-related themes and promotion of quality circles;
- f) Documentation of various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the institution for coordinating quality-related activities, including adoption and dissemination of the best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining and enhancing institutional quality;
- I) Periodical conduct of Academic and Administrative Audits along with their follow-up activities; and
- j) Preparation and submission of the Annual Quality Assurance Report (AQAR) as per the guidelines and parameters of NAAC.

Operational Features of the IQAC:

- IQAC was establishment with special goal of quality enhancement and sustenance. IQAC committed about their goals and crucially focus to promote quality oriented environment among faculty and students. IQAC design plan for academic session and accomplish all commitments
- IQAC crucially focus on quality enhancement and sustenance during academic and administrative activities.
- IQAC develop standard operational procedure for effective execution.
- IQAC constructed various portfolios and effectively follows SOP to increase productivity.
- IQAC provide proper training and guidance to concern faculties for NAAC Documentation through Seminar/Webinar/Workshop/Conferences and so on.
- The IQAC has to ensure that whatever is done in the institution for higher education is done efficiently and effectively. In order to do this, the IQAC will have to first establish procedures and modalities to collect data and information on the various aspects of the functioning of the institution.
- The IQAC Coordinator has a major role in implementing these functions. The IQAC may derive support from the already existing units and mechanism that contribute to the each function.
- IQAC provided required information and data to demanding institutional as well as Government authorities. Every year IQAC filled out Annual quality Assurance Report (AQAR) of our college as per the NAAC guidelines within given time band.
- During the institutional visit, the NAAC peer team will interact with the IQAC to know about its functioning, progress, and the quality sustenance initiatives undertaken by it.
- The AQAR may be part of the Annual Report. It shall be approved by the statutory body/bodies of the HEIs which will also monitor the quality enhancement measures undertaken by the IQAC.
- The IQAC created exclusive window tab on college website to introduce visitors about institutional progress and status. This tab updated time to time by uploading documents. IQAC tab on website includes NAAC peer team Reports and certificates of Accreditation, AQAR, and Academic calendar, best practices etc. It shall regularly upload/report on its activities and host the AQAR as well.



Academic Calender 2021-22

Sr. No.	Events/Programme	Date/days of week
1)	First Session/College Reopens	30 th August 2021
2)	Admission Process	1 st September-18 September 2021
3)	Program on IPR	Last week of September 2021
4)	IQAC Meeting	In 2 week of September 2021
5)	Teaching days higher classes of UG	27 th Sept 2021-15 th Jan, 2022
6)	Ganesh Chaturthi	10 Sept 2021
7)	Induction Program for 1 st year students	20 Sept. 2021 to 25 Sept. 2021
8)	Mahatma Gandhi Jayanti	2 Oct. 2021
9)	Workshop on E-Content Development	In 1 week of Oct 2021
10)	Program on Gender sensitization and equality	In 2 week of Oct 2021
11)	Program on CAS	Last week of Oct. 2021
12)	First Term Vacation/Winter Vacation	1 st Nov.2021 To 6 th Nov.2021
13)	IQAC Meeting	In 2 week of December 2021
14)	Celebration of Dr. Panjabrao Deshmukh Jayanti	27 December 2021
15)	Celebration of Savitribai Phule Jayanti	3 rd January 2022
16)	Celebration of Rajmata Jijau jayanti	12 th January 2022
17)	Celebration of Swami Vivekanand Jayanti	12 th January 2022
18)	Odd Semester University Examination	17 th Jan 2022-5 th Feb 2022
19)	Academic Session(Second Session)	17 th Jan 2022-31 st May 2022
20)	Celebration of Republic Day	26 th January 2022
21)	Teaching days (Even semester)	7 th Feb 2022-31 st May 2022
22)	Celebration of Chatrapati Shivaji Maharaj Jayanti	19 th Feb. 2022
23)	Celebration of National Science day	28 th Feb 2022
24)	Celebration of International Women's Day	08 March 2022
25)	IQAC Meeting	In 2 week of March 2022
26)	Celebration of Dr. Babasaheb Ambedkar Jayanti	14 th April 2022
27)	Celebration of Buddha Purnima	16 May 2022
28)	IQAC Meeting	In 2 week of May 2022
29)	Second Term Vacation	1 st June 2022-30 June 2022
30)	Even Semester University Examination	1 June 2022-30 June 2022
31)	Next Academic Session 2022-2023	1 st July 2022

Rohadkar..

IQAC committed to create friendly and reliable environment for academic and administrative activities and provided convenient space for educational qualities and professional development of students and faculties respectively. Bearing this IQAC were conducted various curriculum and extra curriculum activities.

Following activities conducted by IQAC during Academic session-2020-21

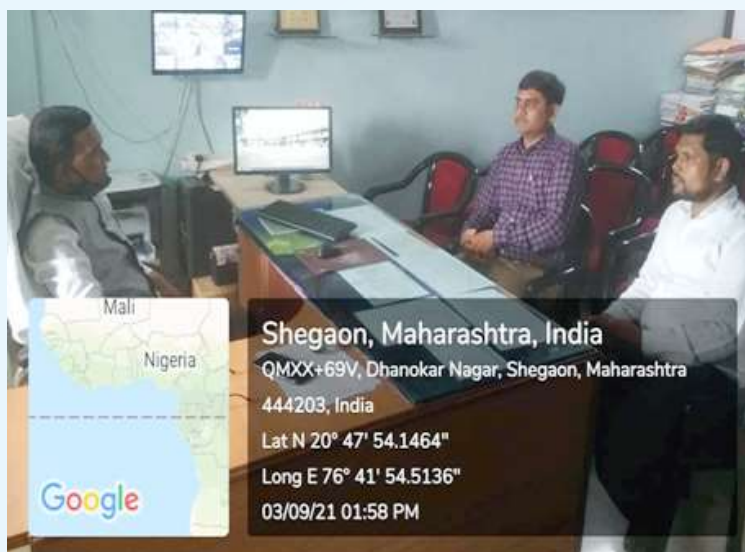
Bank -Teacher Meet-2021

IQAC and Bank of Maharashtra jointly conducted interactive meet on 23th August 2021. During this meet Mr. Girish Latke were introduced about various scheme and fund in the welfare of students and staffs. This is informative meet make aware various education funding and scheme facilities regarding students and parents. Dr. R.E. Khadsan chairperson of this meet concluded meet in his presidential speech. Meet end with vote of thanks by Dr. A.B. Wadekar.



IQAC and SBI officer-Teachers jointly conducted meet in between to Executive Officers of state Bank of India and teaching staff of our college on dated 7/09/2021. SBI Officers Team visited to our college and interacted with all college staff. Mr. Vaibhav Jawaanjal Bank Manager SBI Shegoan dist. Buldana introduced team members and explain their visit aim. In his speech he had make familiar with various SBI scheme for faculty, staff and students specially focus on student education loan. Mr. Pradip Asolkar (Executive officer, General Insurance SBI, Shegoan) explain various scheme and plans of Health Insurances. Mr. Abdul Salim, Mutual fund executive officer SBI branch Buldana explained different investment plans of SBI, in which he explained different investment plans like RD, FD, MF/ SIP. Dr. R.E.Khadsan Principal, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon was Chairman of this program. End of program with vote of thanks.

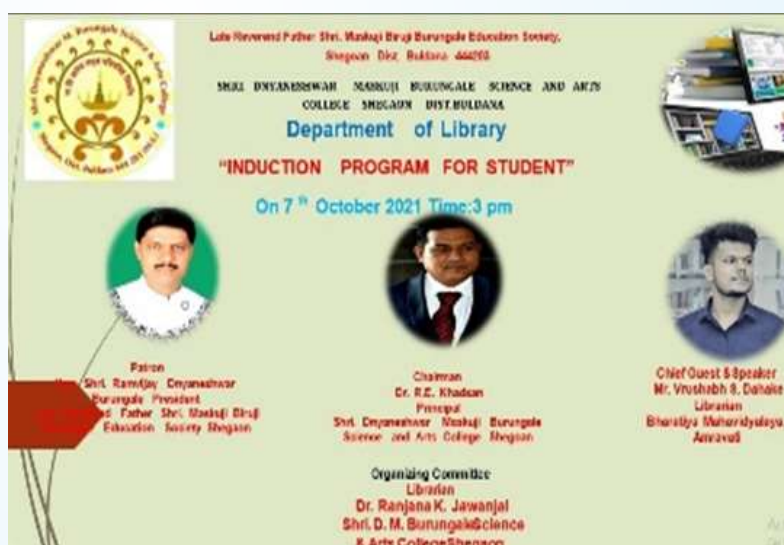
IQAC Khandelwal College Akola Visited to our College



Dr. Milind Shirbhate, IQAC Coordinator, Khandelwal College Akola Visited to our College on 03/09/2021. During this visit we discussed various aspects regarding to NAAC documentations. This short meet created link with IQAC's of this two colleges. Sir informed us about various tricks that are useful in this Assessment and Accreditation process.

Induction Program-2021-22

IQAC carried induction program for B.A. and B.SC first year student during October 2021. Every concern department carried out special introductory program for freshly admitted first year students. Special academic expert talk also conducted on same occasion by concern departments. During this program first year students make aware about college staff, college infrastructure, various scheme, portfolios and facilities provided by institution and motivated to them for their bright future.



Covid-19 Vaccination and Mask Distribution program



IQAC, Department of physical education organized COVID-19 Vaccination and Mask distribution Program in collaboration with Saibai Mote General Hospital Shegaon dist. Buldana on 16th October 2021, at Saibai Mote General Hospital Shegaon. This program inaugurated by Honorable Mr. Ramvijay Dnyaneshwar Burungale, President, Late.

Reverend Father Shri. Maskuji Biruji Burunagle Education Society Shegaon, Mrs. Minakshitai Ramviajy Burungal, Principal, Shri. Dnyaneshwar Maskuji Burungale Junior college Shegaon and Dr. P.B. Pandit, Medical Superintendent, Saibai Mote General Hospital

Shegaon dist. Buldana. For this vaccination and mask distribution program Dr. R.E.Khadsan, Principal of our college and Teaching and non teaching staff and students of B.A. and B.Sc. specially present. During this program 30 Students vaccinated with COVID-19 Vaccine and some students and their parents/ relatives also beneficiaries of this program. Dr. P.V.Pingle, Director of Physical education and Dr. A.B.Wadekar, IQAC coordinator conveyed this program end with vote of thanks.

Principal
Shri. Dnyaneshwar Maskuji
Burungale Science and Arts College
Shegaon Dist. Buldana

Program on Right to Information Act-2005



IQAC and NSS jointly organized one day webinar on right to information act-2005 on 13th October 2021. This program was started with introductory speech by Dr. G.D.Tambatkar. Mr. Y.P.Vayal introduced to resource person. Dr. J. J. Jadhav, HOD of Political Science Department Shri. Shivaji Science and Art's College, Chikhli was

resource person for this webinar. Sir delivered his nice lecture on RTI Act 2005. In which sir has explained various dimension and clauses of this act. After interaction with participants lecture was end. Dr. R.E. Khadsan, Principal of our college was chairperson for this webinar and he delivered his presidential speech during webinar and program end with vote of thanks proposed by Dr. A.B.Wadekar, IQAC coordinator. 82 participants were attended this program.

Celebration of Mahatma Gandhi Jayanti

IQAC and department of history jointly celebrated birth anniversary of Mahatma Gandhi and Lal Bahdur Shastri jointly on 2nd October 2021. On this occasion organized webinar on "महात्मा गांधींची अहिंसात्मक चळवळ". This program started with introduction of guest. Mr. M.D. Sonone HOD of history introduced guest. Introductory speech delivered by IQAC coordinator Dr. A.B. Wadekar. Dr. S.P.Bansod,

H.O.D. History, NRM College Amravati

was chief guest and speaker for this webinar. Sir has delivered his outstanding speech on given topic. In which he explained various campaign run by Mahatma Gandhi corresponding to nation freedom. Also he was focuses on various aspects related to the life of Mahatma Gandhi and Lal Bahadur Shashtri. Specially he took attention of all participants toward the freedom fighters belonging to Buldana district and nearby area during British India. Dr. R.E.Khadsan was chairperson for thus function and he was concluded webinar through his presidential speech. Finally program end with Vote of thanks. 95 participants were attended this program.



CAS Of Faculty

IQAC provided proper and deserve space to all faculties for their profession development. As part of same IQAC conducted program on CAS for to understand indicators and Procedure for CAS during academic session-2020-21. IQAC scrutinized and forwarded the applications of Dr. Y.S. Patil and Mr.V.V. Agarkar for promotion under career advancement scheme to Sant Gadge Baba Amravati University Amravati on 18/10/2021 and 16/12/2021 respectively

Celebration of Constitution Day 26 Nov. 2021

IQAC conducted online awareness program regarding to our Indian Constitution on the occasion of Constitutional day 26th Nov. 2021. Prepared online Google form and shared this form link in various students what's app group. This form contains special questions regarding to our Indian constitution and their history. Total 53 students were responded to same.



Program on IPR



IQAC and Library of our college jointly organized webinar on intellectual property right on 30th November 2021. Program started with introduction of guests by Dr. R.K. Jawanjal and introductory speech given by Dr. A.B. Wadekar. Dr. Vijeta S. Singh was resource person for this program. She delivered her speech on IPR in details. In which she explained various terms and

necessary steps involved in intellectual property right. Also she was focuses on copy right, trademark, patent and other important right regarding to same. Dr. D.L. Bhade delivered his presidential speech. And program end with vote of thank by Dr. R.J. Deshmukh. 104 participants were attended this program.

Voter Awareness Program



IQAC and Electoral Literacy Club and NSS jointly organized seminar on Voter awareness program on 29th November 2021. This program started with introductory speech by IQAC coordinator Dr. A.B.Wadekar then introduction of guest and dignitaries on dice by Dr. G.D. Tambatkar. Mr. Samadhan G. Sonone, youngest Hehsildar of Shegaon taluka was a speaker of this program.

He was explained importance and values of your constitutional rights. What are the constitutional rights and duties of Indian citizen regarding to our nation. He inculcated the value of single vote in the nation development. Dr. R.E. Khadsan chairperson of this program concluded this program in his presidential speech and program end with vote of thanks by Dr. P.V.Pingle. 92 participants were attended this program.

Participated In AISHE and Management Information System (MIS) Portal of MHRD, Government of India,

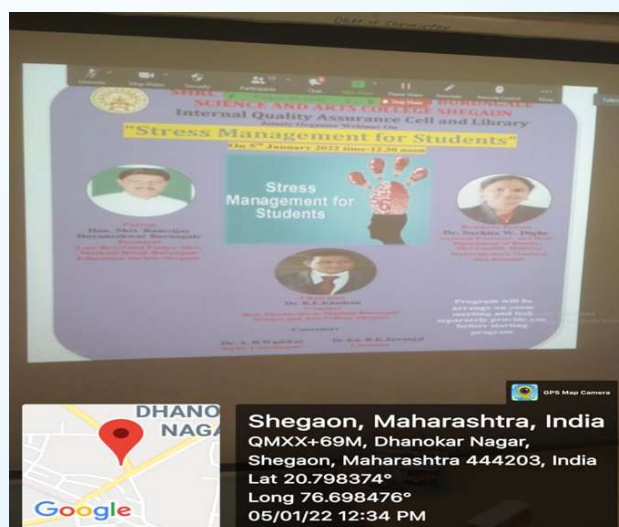
Time to time IQAC provided called information to higher Authorities of Maharashtra state Government and Central government of India. IQAC had participated in MIS system and uploaded details college information included teaching, non-teaching staff, students and other related information to MHRD Government of India. UGC, RUSA, NIRF, AISHE, MIS committee uploaded all India Survey on higher education on AISHE portal for the session 2020-21 on 29 January 2022. Management information system of higher educational information was successfully uploaded on DHE MIS portal for the session 2021-22 on 24 December 2021.

Stress Management Program



Shri. Dnyaneshwar Maskuji Burungale Science and Arts College, Shegaon primly pay attention toward overall development of students. Bearing these things in mind we organised various activities and program for students like conference, seminar, workshops, quiz and so on. Quality Assurance Cell and Library of Shri. Dnyaneshwar Maskuji Burungale Science and Arts College, Shegaon jointly organised one day Webinar on Stress Management for Student on dated 5th January 2022. Dr. Ku. R.K. Jawanjal introduced to Dr. Suchita W Dighe,

Assistant Professor in Botany, Shri. Pundlik Maharaj College Nandura dist. Buldana resource person of this webinar. Dr. Dighe madam explained stress management for student in detail. Her lectures started with the basic terminology of stress and end with various remedies used for stress management in our daily routine life. Dr. Dighe explained in simple way and make aware to all participants about stress management. Dr. R.E. Khadsan, Principal Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon was chairperson of this webinar. This webinar jointly organised by Dr A.B. Wadekar, IQAC coordinator and Dr. Ku. R.K. Jawanjal, librarian of our college. Near about 90 participants attended this webinar on online as well as offline mode. Dr. Wadekar proposed vote of thanks.

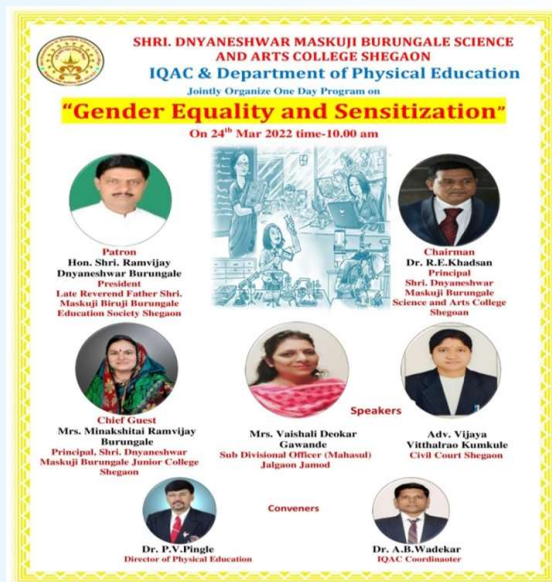


Women Cell



This year Women's day was celebrated on 8th March 2022. For this event, a few of the themes were suggested by the Education Director, Higher Education, and Maharashtra State Pune-1. From the suggested themes Women's faculty of the college planted a tree on the college premises. On the same occasion **“One Act Play”** activity was conducted for the college students. Total 21 participants were shown their performance, among these three best students were selected by the jury members.

Gender Equality and Sensitization



IQAC and department of physical education jointly organized one day program on Gender equality and sensitization on 24th March 2022. This program started with introduction of all dignitaries on dice. Dr. A.B. Wadekar delivered introductory speech of this program. In beginning Mrs. Vaishali Deokar Gawande S.D.O. (Mahasul), Jalgaon Jamod motivated to all girls thorough her speech and said to them to come out form your comfort zone and achieved your all goals in this life only without scaring about your problems. Then Adv. Viajay Vitthalrao Kumkule talked about various laws about gender equality and sensitization as well as Indian constitutional rights of women. Chief

Guest of this program Mrs. Minakshitai Ramvijay Burungale, Principal Shri. Dnyaneshwar Maskuji Burungale Science and Arts college Shegaon inspired to audience and give various useful suggestion to overcome all problems from your rout of success then Dr. R.E. Khadsan Principal, Chairperson of this program concluded all through his presidential speech. Program end with vote of thanks by Dr. P.V. Pingle. 108 participants were attended this program.

Jigyasa - 2022

Jigyasa is one of the best activity ran by IQAC among for student. Aim of this activity is to create awareness and enhance interest toward research field. We try to enhance scientific writing skill in students. Through this activity we allowed to our UG students for carried out small project work and submit it in proper research article format. IQAC provided Article writing template. Then publish their work in special booklet name as Jigyasa-2022. Total 10 articles published in first volume during 2021-22.

Feedback System

IQAC committed to create quality education environment. Time by time conducted various programs and meetings to maintain quality. A feedback system plays crucial role for sustainability. IQAC gave special important to feedback collection from different stakeholders and their analysis. In IQAC meeting we designed procedure for execution of effective feedback systems and construct Feedback committee. First upon confirmed questionnaires for Student, Alumni, Teacher and Employee feedback form and collected it through online/offline mode then Feedback committee and IQAC analyzed all feedbacks and upload on college website.

SSS (Student Satisfactory Survey)

IQAC carried out student satisfactory survey for session 2021-22 During IQAC meeting we designed plan and procedure for SSS. First upon review and confirmed questionnaires for this survey then circulated this form in students through e-platform (Our College website). Analyzed SSS helps to understand students satisfaction.

Best Student Award-2021-22



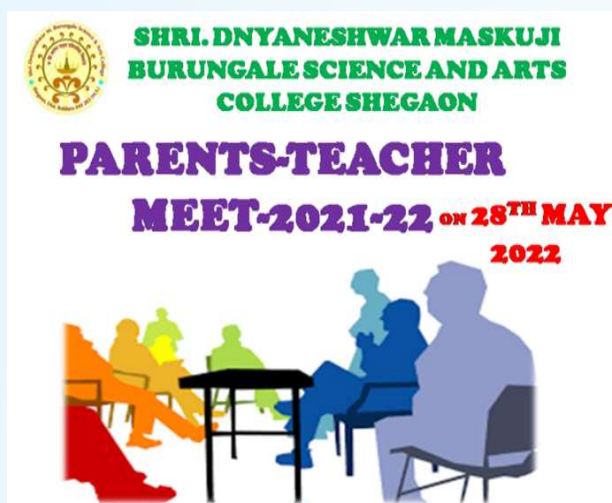
IQAC committed to create quality education environment and enhance student interest and involvement in education mechanism. Aim of this award to make aware students about various activities, schemes and programs run by our institution for them increase their participation in these all. For this award we called application from student and evaluated these application by Award Committee and on the base of their curricular and extracurricular activities performance, participation and other

achievement he/she will be nominated as Best student for Academic Session-2021-22. For this award we received 22 applications. After evaluation Miss. Saloni Sanjay Trivedi nominated as Best Student for Academic Session -2021-22.

Mentor-Mentee Scheme

IQAC designed mentor-mentee scheme with special aim as to take parental responsibilities like academic, personal and social behavior. Dr. Ku. R.J. Deshmukh worked as coordinator of this scheme. Through this scheme near about 45 students were distributed to each permanent faculty member (Mentor). Every mentor communicated with their allotted mentee and understands their various education and personal issues through meetings. Encounter students' problems and resolved it through proper channel. At the end of academic session mentor submitted report to Coordinator.

Parent-Teacher Meet



IQAC organized Parent-Teacher Meet on dated 28th May 2022. Dr. A.B. Wadekar, IQAC coordinator introductory speech of this meet. Dr. R.E. Khadsan, Principal, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon was Chairman for this meet in which Sir informed to all participants about admission procedure, department wise staff, Exam and Evaluation, facilities and various scheme run by college. During meeting parents were expressed their views and interacted with Teachers regarding students development. Dr. Ku.

Reena J. Deshmukh proposed vote of thanks. For parent meet 45 parents responded. This meet conveyed by Mr. Y.P. Wayal.

Alumni Meet

Students are so special and important for institution during perusing education as well as after completed his/her education from our institution. We paid our attention to create strong College- Alumni link. Bearing this IQAC conduct Alumni meet on E-platform on dated 28th May 2022. Dr. A.B. Wadekar delivered introductory speech for this meet. Dr. R.E. Khadsan, Principal of our college was Chairman of Alumni meet. During his speech sir were explained various schemes run by college and various his experience about student interaction. Then Alumni expressed their views and shared their experiences. Dr. P.V. Pingle, Director of physical Education expressed their gratitude during this meet. This meet conveyed by Dr. P.V. Pingle.



Convocation Ceremony 2021




IQAC of our college organized one day E-Convocation ceremony -2021 on dated 10th August 2022 for B.Sc. and B.A. pass out students of our college during academic session-2021-22. After three year education journey of hard working students reach to this event. They received degree certificate with great joy. This ceremony was so special for them. Honorable Mr. Nanasaheb Patole, President of Congress Party of

India Maharashtra state was addressed to hall as chief guest and expressed his view on this occasion. Degree certificate distributed to pass out students on same occasion. Hon. Mr. Ramvijay Dnyaneshwar Burugale was Chairperson for this ceremony. Mrs. Minakshitai Ramviajay Burungale, Dr. R.E. Khadsan and all teaching and non teaching staff for this program. Program end with vote of thanks.

World Ozone Day Celebration

Department of Environment environmental science, ESSA and IQAC jointly celebrated ozone day under theme "Save Ozone layer Save Earth" on 16th September 2022. Special lecture conducted on same theme by chief guest and Resource person Dr. S.R. Warhekar, Department of Environmental science arts and commerce college Amravati. Program started with




SHRI. DNAYNESHWAR MASKUJI BURUNGALE SCIENCE AND ARTS COLLEGE SHEGAON DIST. BULDANA
DEPARTMENT OF ENVIRONMENTAL SCIENCE, ESSA & IQAC

Jointly Organize One Day Webinar
On

"SAVE OZONE LAYER SAVE EARTH"

On the occasion of World Ozone Day
On 16th September 2021 time-2.00 pm



Chairman
Dr. R.E.Khadsan
Principal
Shri. D. M. Burungale
Science and Arts College
Shegaon

Chief Guest
Dr. S.R.Warhekar
Department of Environmental
Science Arts, Commerce and
Science College Amravati

Organizers
Dr. D.L.Bhade
Associate Professor &
HOD Environmental
Science
Dr. A.B.Wadekar
IQAC coordinator

IIT JAM Awareness Workshop-2021-22



9/12/2021, Competitive Exam Guidance Cell and Department of Mathematics jointly organized "IIT JAM Awareness Workshop 2021-22" at Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon, Dist. Buldana. The workshop was successfully conducted under the supervision of the Honorable President Shri Ramvijayji Burungale (Bapu Saheb), Chair person of the Program respected Principal Shri Dr. R. E. Khadsan Sir, Coordinator Dr. K. R. Mule Sir, Head Department of Mathematics, Chief Guest Dr. Mahesh S. Wavare, Head Dept. of Mathematics, Rajarshi Shahu Mahavidyalay (Autonomous), Latur. The Chief Guest was introduced by Prof. M. J. Thakare (Asst. Prof. Dept. of Microbiology). The welcome and theme of the exam explained by Dr. K. R. Mule (Head, Dept. of Mathematics).

The resource person of this program Dr. M. S. Wavare Sir has delivered his lecture, his lecture was very informative. He discussed problem solving techniques; also he gave information about syllabus and pattern of examination and various future opportunities after passing this exam. At the end he gave time for our students to ask queries and difficulties and he gave the solution for queries and explained very kindly.

The vote of thanks for this program was given by Prof. N. G. Ghungarwar (Asst. Prof. Dept. of Mathematics), Nodal Officer, Competitive Exam Guidance Cell.

NDA/CDS Awareness Workshop-2021-22



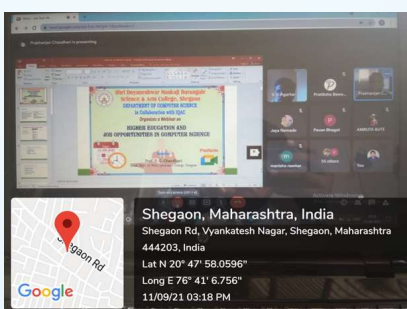
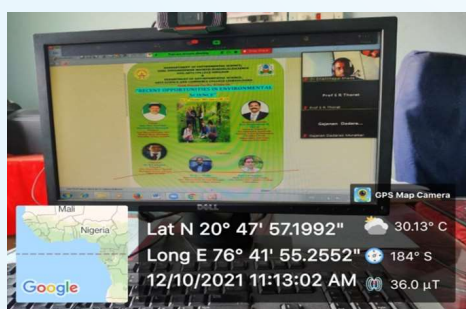
Competitive Exam Guidance Cells organized one day "NDA/CDS Awareness Workshop 2021-22" on 17/02/2022. The resource person of the program was Mr. S. B. Tale, Director, Apex Career Academy, Shegaon Dist. Buldana. The chairman of the program Dr. D. L. Bhade (Asso. Prof. Department of Environmental Science).

Mr. S. B. Tale Sir gave his lecture and he gave all the information about NDA Exam and CDS Exam to the students, syllabus, paper pattern, reference books and strategies for exam. Also he talked about opportunities of career through the Exam. Total 65 students were present for the workshop. After the lecture the Chairperson Dr. D. L. Bhade Sir delivered his presidential speech. At the end vote of thanks was given by Prof. N. G. Ghungarwar.

Counseling and Placement Cell



Counseling and Placement cell of our college conducted meeting twice in this session. In first meeting discussed about plan to increase placement of students and also discussed about skill development training course during 2021-22 in collaboration with TATA consultancy services privet limited. Also IQAC conducted various program and workshop concern to carrier opportunities in Chemistry, Environmental Science, Computer Science, and Microbiolog.



Through this training course students were trained by well expert's trainer. Total 10 students were placed during academic session 2021-22 in different multinational companies.

Soft Skill Development Workshop



IQAC of our college organized various types of activities to develop soft skills in students. Student Carrier and guidance cell conducted soft skill development workshop during 14th To 17th March 2022. This activity helps learners to learn and acquire soft skills like Communication Skills, Presentation Skills, Written Communication, Interpersonal Skills, Creativity and Leadership etc.

First Day-

14th March,

Dr. Deepak Nagrik, Dept. of Chemistry G.S. Mahavidyalaya Khamgaon inaugurated the workshop and addressed to students. Dr. R.E. Khadsan was chairperson of this program. Prof. N.G. Ghungarwar proposed vote of thanks. Prof. A.P.Nagrle introduced chief guest. Dr. Sonal Kame Trainer conducted session on Motivation and Goal Setting and session end with interaction and vote of thanks.



Day Second- 15th March 2022 Dr.Umesh Chapake conducted three Session, first session on Verbal Communication, second on Nonverbal Communication and third session on Time Management. This session was taken for students to make them understand the importance of "How to Communicate" and develop the art of conversation.

Day Third- 16th March 2022, session was taken by Dr. D.L Bhade, First Session on Group Discussion, second on Presentation Skill and third on Resume Writing. This session was taken for students to make them understand the "Importance of Communication Skills at this crucial stage". The main objective of this session to make them aware about global scenario and how to become expert in these skills.



Day fourth- 17th March 2022, Two Session Interview Skill and Character Moral and Ethics was conducted by Dr D.L Bhade. He emphasized on importance of moral and ethics and motivated to students for the same. He conducted various short activities. He interacted with the students and answered the queries of the student. Third session on Valedictory Function Dr R.E Khadsan was chairperson of this function, Chief Guest Mrs. Minakshitai Ramvijay Burungale, A.P. Nagrle

coordinator, Dr A.B. Wadekar NAAC coordinator, all head of department, teaching staff and total fifty students were present for this workshop.

Cultural Committee



IQAC keep attention on every aspect of student development. Cultural Committee of our college carried out various activities that contributed in student cultural development. Through this committee celebrated Birth and Death Anniversary of great humans, Social Reformers, Great leaders etc. Cultural committee took strong effort for Youth Festival-2021-22 organized by Sant Gadge Baba Amravati University at Brijlal Biyani Science Amravati on 25th April 2022. Total 13

students participated in 10 different events. Ms. Nisha Sanjay Sonone B.Sc.-III received First Rank in Mimicry event. Prof. R.B. Barabde was coordinator of Cultural committee.

Internal Quality Assurance Cell Meeting

IQAC committee were conducted four meetings during academic year 2021-22. For this meeting committee members responded actively. During this we discussed many items and chalked out plan and procedure for academic and administration activities during same academic year 2021-22. IQAC meeting and action taken report uploaded on college website. First meeting conducted on 10th Sept 2021, second meeting on 17th Nov. 2021, third meeting on 5th March 2022 and fourth meeting conducted on 10th May 2022. During every meeting discussed various items and participants responded to these items and collectively chalked out plan and procedure for every academic and administrative activities. IQAC kept record of each meeting. Meeting and action taken report uploaded on college website.

IQAC Future Plans of Actions for Next Academic Year

- 1) To enhance placement activity.
- 2) To promote soft skill development activities and programs for students.
- 3) To prepared NAAC documentation for SSR preparation and face NAAC.
- 4) To publish IQAC Newsletter-2023.
- 5) To complete lab recognition procedure for remaining subjects.
- 6) To conduct Pre Ph.D. course.
- 7) To enhance the active participation in environmental friendly initiative.
- 8) To conduct value added / add on courses.
- 9) To organizes conferences, Seminar and Workshops for students as well as teachers.
- 10) To Publish Jigyasa-2023.
- 11) Best student award-2023.

National Digital Library India Club

Shri Dnyaneshwar M. Burungale Science and Arts College ,Shegaon College founded NDL Club under the National Digital Library of India for Academic Session 2021-22. This club conducted various programs under NDLI in collaboration with Indian Institute of Technology Kharagpur and Ministry of Education Govt. of India

Following Programs are conducted throw NDLI Club of our College

Sr. No	Name Of the workshop/seminar	Number of Participants	Date from – To
1	One day National Level workshop on “E-Content Development” on this day celebrated Dr.Ranganathan day	160	09/08/2021
2	One day national level webinar on “Awareness about national digital library of India”	360	23/09/2021
3	Student Induction programme & webinar on Library e-resources & your pocket library	200	07/10/2021
4	15 October Dr. A.P.J. Abdul kalam Birthday Anniversary on this day conducting online Book Review and book Talk competition .	100	15/10/2021
5	Organize online workshop on “hands on training programme on library MOPAC”	100	29/11/2021
6	Online Organized national level Seminar on IPR	104	30/11/2021
7	One day webinar on stress management for students	90	05/01/2022
8	23 April is celebrated worldwide as World Book Day in the memory of William Shakespeare. As part of this, Department of library organized book exhibition and invited talk on title vachalervacha	130	23/04/2022
9	on 26 May 2022. A book rally was organized for the development of reading culture in the society, on title	56	26/05/2022

Registration Certificate of National Digital Library of India



Department of Environmental Science

Memorandum of Understanding with Nisargakatta Akola

Shri. Dnyaneshwar Maskuji Burungale Science and Art's College Shegaon Dist:- Buldana. With Nisargakatta Akola form MOU On 03 September 2021 in this occasion Principal Dr. R. E. Khadsan Mr. Amol Sawant Founder Nisargakatta Akola Dr. Milind Shirbhate sir, Dr. D. L. Bhade (HOD Department of Environmental Science) and Co-ordinar Mr. R. B. Barabde present for this programme. We have decided to take various activities jointly conducted through MOU.

In joint venture following activities will be conducted.

- * Organization of Guest lectures, slide shows, film shows and nature camps on Conservation of Environment for the students.
- * Regular organization of activities like bird watching, Nature trek to create interest among the students.
- * Creating awareness about the protection of forts and other historical monuments.
- * Arranging lectures and slide shows to create awareness about the snakes in agriculture and Environment.
- * Providing information about poisonous and non-poisonous snakes to prevent their killing and for to conserve them.
- * To create mass awareness over various types of pollutions occurs during festivals.
- * Arrange tree plantation programme and promote indigenous species plantation and create awareness against the use of plastic bags that poses a greater threat to the environment.
- * Conduct workshops, seminar, poster presentation, and conferences in the field of Environment related sectors.

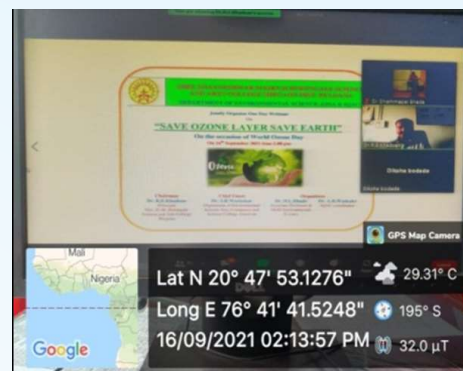
Eco-friendly Ganesha Idol Making Workshop

As a part of MOU the Department of Environmental science organized Ganesh Idol Making Workshop on 08th September 2021. Eco friendly Ganesha idol has made by our students for this program our college, Principal Dr. R.E. Khadsan, Mr. Amol Sawant, founder president Nisargkatta Akola, HOD Department of Environmental Science Dr. D.L. Bhade and coordinator R.B. Barabde was present.



International Ozone Day:-

International Ozone Day celebrated by Department of Environmental Science on dated 16 September 2021 on online mode theme of the day was **"Save Ozone Layer Save Earth"** the guest for this program was Dr. S.R. Warhekar, Arts, Science and commerce College Kiran Nagar Amravati delivered the Guest lecture on Importance of Ozone Layer for Earth.



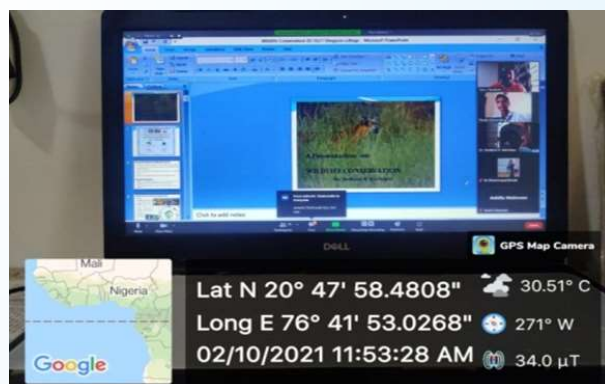
Wildlife Week Celebration (01 October to 07 October 2021)



Wildlife week 01 October to 07 October 2021 celebrated by department of environmental science of our college on online mode on first day the inaugural program and guest lecture conducted by Professor G.D. Muratkar the topic of guest lecture was "Role of Grassland in Wildlife Habitat Management."

Day-2

Day to 2 October, Dr SR Warekar, Assistant Professor Arts Science And Commerce College Kiran Nagar Amravati delivered guest lecture on "Wildlife Conservation and its management."

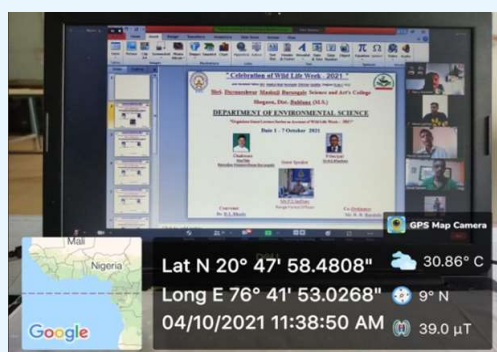


Day-3



03 October 2021, Educational tour jointly organized by department of environmental science and Nisargkatta Akola

to Ambabarwa forest Mr.Amol Sawant guided to students regarding to different species of flora and fauna in the forest and their role in development for forest Ecosystem total 13 student present and some teaching staff also present to the educational tour.



Day-4

04 October 202, lecture organized by the department of environmental science for student. Chief guest of this day Mr. P.S.Jadhav RFO Akola has delivered lecture on "Biodiversity in Akola region"

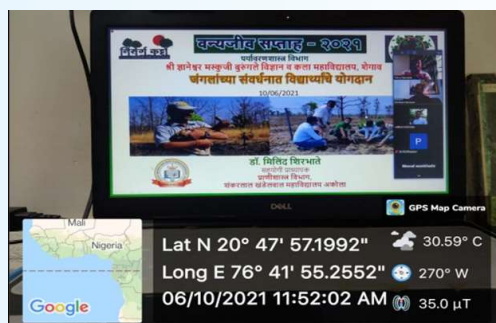
Day-5

05 October 2021, by Prof. J. S. Ambhore, Indraraj Arts Commerce and Science College Silloadhe delivered guest lecture on "Importance of wildlife and its conservation"



Day-6

06 October 202, Dr. Milind Shirbhate, Associate professor in zoology, Shankarlal Khandelwal College Akola delivered guest lecture on "Importance of Students in conservation of Forest".

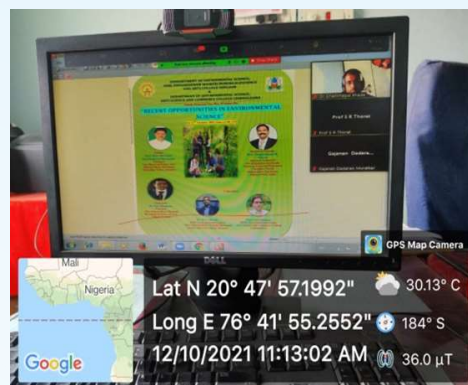


Day-7

7 October 2021, Department organized valedictory function on 7th day of wild life week. Mr. Amol Sawant sir founder Nisargkatta Akola was Chief guest of this function, he guided addressed to students on the same occasion of wildlife and their conservation and management Honorable President Mr. Ramvijay Dnyaneshwar Burungale always support to us for great success of this type of activities and our Principal Dr.R.E. Khadsan and HOD Dr. D.L. Bhadeand convener and Mr. R.B. Barabde took hard work for such type of activities.

Recent Opportunities in Environmental Science:-

Department of Environmental science conducted online program on opportunities in environmental Science on 12th October 2021. Prof. Sanjay Kumar Thorat, Director School of Environmental and Earth sciences Kavayitri Bahinabai Chaudhari, North Maharashtra University Jalgaon was chief guest of this program. He delivered guest lecture on topic "Recent Opportunities in Environmental Science". Dr. R.E.Khadsan was chairperson for this program. Dr. D.L.Bhade proposed vote of thanks.



National Science Day



Department of environmental science of our college was celebrated national science day on 28th February 2022. Poster presentation competition was organized by department on same occasion. Dr. Prafulla Gawai was chief guest for this competition. Dr R.E. Khadasan and Dr. D.L. Bhade were present as subject expert for same. Mr. R.B. Barabde introduced to all guest and vote of thanks proposed by P.L. Gawande.

World Water Day Celebration



Department of Environmental Science celebrated World water Day on 22 March 2022. Dr.R.E.Khadsan was chairperson of this celebration function and Mr. Amol Sawant, founder of Nisargakatta Akola and Dr. Milind Shirbhate, Associate Professor in zoology Shankarlal Khandelwal College Akola was Chief guests for on this occasion. Dr. Shirbhate delivered guest lecture on Conservation of Water. Total 90 students attended same.

Department of Chemistry

Career Opportunities in Chemistry



Department of Chemistry organized webinar on "Career Opportunities in Chemistry" for B.Sc. chemistry students on 21th October 2021. A.B.Wadekar gave introductory speech and introduced to guest. Dr. Dinesh N. Sawant, Scientist, Organic Chemistry Division, CSIR, National Chemical Laboratory, Pune gives Information of various carrier

oriented Opportunities in Chemistry after Completion of B.Sc. in different Industries, Chemical Labs and research area etc, Also Sawant Sir shared fruitful knowledge to the students. All Students were so intentionally & enthusiastically attend this program. Dr.R.E.Khadsan, principal and Chairman of this program concluded this webinar in his presidential speech. Prof. Y.P.Wayal expressed vote of thanks

Educational Study Tour at Lonar Lake



Department of Chemistry organized educational study tour at Lonar Lake Lonar dist. Buldana on 19th December 2021. Aim of this tour to make aware students with historical and world level heritage of our area and introduced them about research field belonging to our own area. Many

researchers from various countries visited to this lake due to their uniqueness. Total 75 students along four departmental faculties were participated in this education study tour.

"Poster Competition on the Occasion of National Science"



Department of Chemistry organized Poster Competition on the Occasion of National Science Day 28th Feb 2022 for B.Sc. I, II, and III Students on 28/02/2022 with special theme as chemical awareness. Dr. Subhashchandra R. Patil, Assistant Professor, Shri.Shivaji Science & Arts College, Chikhali and Dr. R.E.Khadsan principal of our college present for this program Chief Guest and inaugurator respectively. Dr. A.B.Wadekar IQAC

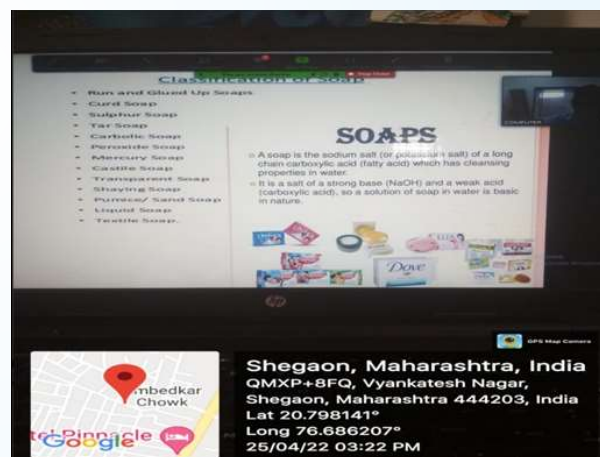
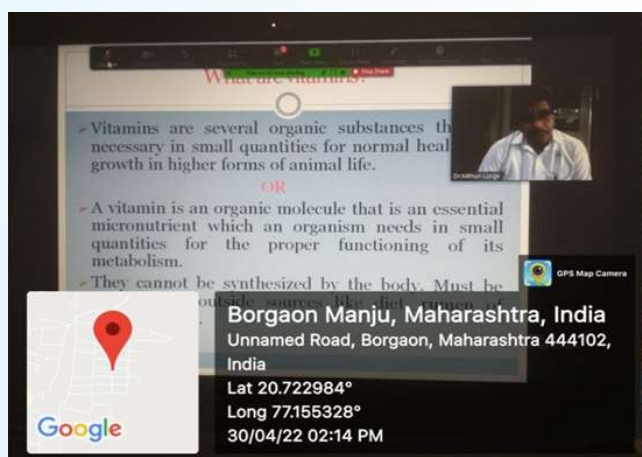
Co-coordinator and All faculty members were present. The program was inaugurated at 12 PM by the respected principal & Guest. The all Posters were evaluated by Jury. The objectives of poster competition to aware students about good and harmful effects of chemicals. 26 Students are participated in this competition. Ku. Anjali Dnyandeo Mehenge & Mayuri Vijay Tekade got first prize, Mr. Dnyaneshwar M. Nile, Mr. Dhiraj S. Maskar & Mr. Abhishek D. Gupta got second prize, Ku.Nutan Raut & Shivani Raut got first prize during this competition. Dr.Ku. Reena Jivanrao Deshmukh, convener of this program proposed vote of thanks

Inauguration of Chemical Society and Add on Course Chemistry in Everyday Life

Department of chemistry committed to overall development of studnets in subject. Various program and competetion were conducted by department through the Chemical Society. One faculktly member be a incharge of society and student body construct as a executive manegment body of this sosociety. Also department run Chemistry in Evryday life add on course for academic session-2022-23. Department jointly organised inauguration function of Chemical society and Chemistry in everyday life add on course 9th March 2022. Dr. G.D. Tambatkar, Head of Department of Chemistry, gave introductory speech. Prof. Y.P.Vayal introduced to dignitaries on dice. Prof. Satyen U. Patil Associate Professor, Government College, Gadchiroli inaugurator cum resource person delivered his academic expert talk on the same occasion on Dr. R.E.Khadsan, Principal of our college delivered his presidential speech. Dr. Ku.R.J. Deshmukh proposed vote of thanks. Dr.A.B.Wadekar anchored this program.



Sr.No	Date	Resource Person	Topic of Guest Lecture
1)	09/03/2022	Prof. S. U. Patil	Oil and Fats
2)	25/04/2022	Dr.S. S.Padhen	Soaps & Detergent
3)	27/04/2022	Dr. S.D.Tarale	Chemical Awareness
4)	30/04/2022	Dr. M.S. Lunge	Vitamins
5)	27/05/2022	Dr. R.H. Kurhale	Carbon Footprint and sustainable development



Department of Chemistry organized Seminar Competition on the Occasion of "Rang Panchami on 17th March 2022" for B.Sc I, II, and III Students with special theme as chemical awareness. For this program, Principal of our college present as chairperson of this program. Prof.V.V. Agarkar, Head of department of Computer Science, Shri.D. M. Burungale Scienc Arts College, Shegaon & Dr.Ku.V.P. Shelke Head of department of Electronics, and Dr.A.B.Wadekar assistant professor in chemistry present as Jury as well as Chief Guest for this competition. After inauguration presentation were started. The main objectives of this competition to aware students about advantages and disadvantages of chemical and chemical products as well as enhance presentation skill. 26 Students are participated in this competition. Mahek Sharma got first prize, Sakshi Shende got second prize, Jaya Mane got third prize. Dr. Ku. Reena J. Deshmukh, convener of this program proposed vote of thanks.



GAT Examination

Department of chemistry, Conducted GATE exam in collaboration with Amravati University Chemistry Teacher Association on 28th April 2022 for this Exam 61 students participated from our department. Ms. Yogeshwari K. Tambare (B.Sc.-III,) with 72 Marks she got Second prize in university level GATE exam-2021. This exam specially designed by AUCTA for B.Sc.-III chemistry students only. This exam included chemistry base multiple choice questions. Paper designed by AUCTA and we conducted at our department level and Dr. Ku. R.J.Deshmukh was in charge of this exam.



Chemical Awareness Camp at Paturda

Department of Chemistry conducted one day Chemical Awareness Camp at Paturda ta. Shegaon dist. Buldana on 25th May 2022. Aim of this camp to interact with



villagers regarding to use of daily life chemical and chemical product. Carried out survey regarding to various daily life chemical use by villagers. During camp students presented various chemical related information like fertilizer, insecticide, various



spry and their effect, food adulteration, synthetic colour, cold drink, growth Harmon, water, air and soil pollutions, smoking, cosmetic products and some other issues. Total 64 students along with departmental faculties were participated in this camp. Head of Paturda village Sarpanch Mrs. Vanita Bhongal was present on dice during program and villagers were responding with us with satisfactory feedback.

Department of Microbiology

Blood Group Detection Camp for Village People Held At Nagzari)



This year NSS camp was held at Nagzari village. On 2nd April 2022 Department of Microbiology contributed this camp by providing extension activity Blood group detection for village people. Very good response was given by the residential people. A total of 200 individuals were tested during this event. Faculty members of the Microbiology department and students made this event successful.

Our Planet Our Health

World Health Day (7th April 2022) celebrated by Microbiology Department. The theme of the event was "Our Planet Our Health". On occasion of this event Microbiology Department organizes health camp for entire students and staff of the college. This camp includes Blood



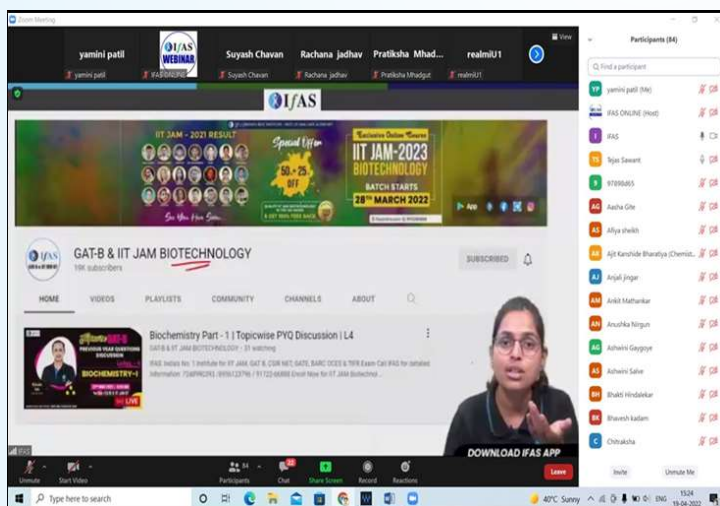
Group Detection, Hb% Detection, Blood sugar and B.P. measurement. A huge response was shown to the event a total of 214 students (other than Microbiology Department) and staff members got benefited from this event. All the teaching faculty of the department and a group of final year students organized it in very good manner by maintaining strict hygienic practices. This event was inaugurated by Hon'ble Principal Dr. R.E. Khadsan and chief Guest Sau. Minakshitai Burungale (Principal shri. Dnyaneshwar Maskuji Burungale Jr. College, Shegaon)

Health and Hygiene awareness campaign



On occasion of World Health Day Microbiology Students run the campaign for School children here microbiology Students went to the school and motivated the students and make them aware about Good health and how to maintain hygiene of one self and our surrounding too. In this event 300 school students were present. For the successful conduction of this event teachers and students of the Microbiology Department took wise efforts.

Webinar on "Strategies to crack competitive exams after B.Sc. in Life Science"



Department of Microbiology in collaboration with IQAC of the college has organized webinar on "Strategies to crack competitive exams after B.Sc. in Life Science" on 19th April 2022 for this event Prof. Prajakta Chaugule (Institute for Advanced Studies, Pune) was delivered talk as a resource person.

The said webinar was attended by 83 participants including final year students, Microbiology department faculty members and IQAC members of the college. Students were fully satisfied with this webinar.

Hb% Detection in Female and Blood Group Detection Camp



Microbiology Department conducted Hb% Detection in female and Blood Group detection for higher secondary school children as the department Extension activity at Hingna Kavthal on 26th April 2022. In this event 83 young and adult females checked their Hb% along with school children of the

village. Three faculty members of the department and group of 10 students from final year successfully conducted this activity.

Skill Development for Pharmaceutical Industry



One week certificate course in "Skill development for pharmaceutical industry" was conducted by Microbiology Department of Shankarlal Khandalwal Arts, Science & Commerce College, Akola. (09/05/2022 to 15/05/2022). This



course was attended by 16 final year students of the College. Trainer for this course was Dr. Anil Fokmare (GISM). Students' feedback was very good regarding this course. Student registration was done by college.

Department of Computer Science

Workshop On "Higher Education and Job Opportunities In Computer Science"



A workshop on "Higher Education and Job Opportunities in Computer Science" was organized on 11th September, 2021. Dr. A. B. Wadekar, Coordinator, IQAC cell was the Chairperson and inaugurator and Prof. P. G. Chaudhari, Head Department of MCA, Saraswati College, Shegaon was the speaker. Mr. V. V. Agarkar, Head Department of Computer Science was stated the purpose of workshop. Dr. A. B. Wadekar,

inaugurated the workshop and emphasized the importance of choosing the right higher education course in the fast-growing computer field. Prof. P. G. Chaudhari guided the students on the various higher courses available and the scope of available jobs. He said new opportunities are coming after the COVID pandemic. Miss. P. R. Bawaskar anchored the program and Miss. S. S. Wakte delivered vote of thanks.

Student Induction Programme (Sip-2021)

To help new students adjust and feel comfortable in the department, inculcate in them the ethos and culture of the department, one day online Student Induction Programme (SIP-2021) was organized for the first year students on 09th October, 2021. Mr. V. V. Agarkar, Head Department of Computer Science welcomed the new entrants and gave the introductory speech. The speaker Mr. R. D.

Bhoyar highlighted the opportunities available in the area of hardware, software, web designing, database administrator, etc and the qualification required for it. The chairman of the program, Dr. D. L. Bhade, motivated the students to give their best to follow in the footsteps of their seniors. Miss. P. R. Bawaskar anchored the program, Miss. V. V. Sharma introduced the guest/speaker, Miss. S. S. Wakte delivered vote of thanks and Mr. P. B. Kharat handled the technical side.



Value Added Course on Cyber Security

To lay a strong foundation to understand and deal with the cyber operations, a thirty hours value added course in Cyber Security was conducted for students in online mode. The course was conducted from 27 October 2021 to 09 December 2021. A total 74 students were registered for the course, out of which 69 students completed the course.

Mr. V. V. Agarkar was the coordinator of the course. Miss V. V. Sharma was the faculty and worked hard for the syllabus. Certificates were given to all the students who completed the course.

<p>Shri. Dnyaneshwar Maskuji Burungale Science & Arts College, Shegaon</p> <p>DEPARTMENT OF COMPUTER SCIENCE</p> <p>Value Added Course</p> <p>CYBER SECURITY (CPSVAC01)</p> <p>for B.Sc. (Computer Science) Students</p> <p>COURSE PERSPECTIVE</p> <p>Value added course is generally provides the specialized professional knowledge and skills, which attribute professional adequacy to the trainee.</p> <p>Every human kind using digital technologies such as apps, emails, social media, smart phones, online banking, online shopping etc. The increased access of internet has also made it vulnerable to crimes like phishing, hacking, cyber terrorism etc. Modern life depends on online services, so having a better understanding of cyber security threats is vital.</p> <p>On this course, student shall learn how to recognize online security threats that could harm them and explore the steps that can take to minimise the risk. The course will improve student's online safety in the context of like Malware, Mobile protection, social network security, etc.</p> <p>OBJECTIVES</p> <ul style="list-style-type: none"> To explore the world of cyber security and develop the skills needed to stay safe. 	
<p>The course gives you an introduction into the cyber world. Everyone must have an understanding of the rights and responsibilities of being on the internet.</p> <p>This course aims to lay a strong foundation to understand and deal with the cyber operations in personal as well as professional front.</p> <p>COURSE FEES</p> <ul style="list-style-type: none"> No registration/course Fees. Examination Fee Rs. 50/- only. <p>COURSE DURATION</p> <p>The duration of value added course is 30 hours with a combination 23 hours (75%) of theory and 07 hours (25%) of practical demonstration. However, the combination of theory and practical shall be decided by the Head of the Department.</p> <p>METHOD OF LEARNING</p> <p>This is course would be taught via online mode through Google Meet/Zoom platform.</p> <p>REGISTRATION</p> <p>The details of the course is displayed on the college website along with the syllabus. A student shall register for the course by filling online application (Google Form) form. Link is shared in WhatsApp group.</p> <p>TIME SLOT</p> <p>The time for this course will be decided keeping in view the time of online classes and college time table.</p>	<p>CERTIFICATE</p> <p>Learners can get an E-Certificate duly signed by the authorized signatories after they have registered for, written the exam and successfully passed.</p> <p>SYLLABUS</p> <ul style="list-style-type: none"> Cyber security Fundamentals Cyber Security Branches Types of Cyber Attacks Prevention Tips Mobile Protection Social Network Security Prevention Software Critical Cyber Threats Defence Against Hackers <p>COMMENCEMENT</p> <p>From 20-October-2021.</p> <p>CONTACT</p> <p>PROF. V. V. AGARKAR Course Coordinator Assistant Professor & Head Department of Computer Science Mobile No. 9423516535</p>

Seminar on "Employability Skills Required For IT Sector"

Late Reverend Father Shri. Maskuji Biruji Burungale Shikshan Sanstha's (R.No. F-422)

**SHRI DNYANESHWAR MASKUJI BURUNGALE
SCIENCE & ARTS COLLEGE, SHEGAON**
(NAAC Accredited with B+ Grade, C.G.P.A. - 2.65)

DEPARTMENT OF COMPUTER SCIENCE
organizes

**A Seminar on
"Employability Skills Required for IT sectors"**



Dr. R. E. Khadsan
Chairman



Time : 11.30 AM



Mr. P. S. Patil
Chief Guest & Speaker

Computer and information technology jobs are among the fastest-growing occupations, aiming to provide intense information and guidance on this topic for the final year students a seminar on "Employability Skills Required for IT Sector" was organized on 06 December, 2021. Mr. V. V. Agarkar,

Head Department of Computer Science was stated the purpose of this seminar and also introduced the chairperson and the speaker. Dr. R. E. Khadsan, Principal was the Chairperson, he inaugurated the seminar and guided that it was important to pursue various skills keeping in view the available job and employment opportunities. Mr. P. S. Patil, Director, Shonarya Technologies Pvt. Ltd., Pune was the chief guest and speaker. He emphasized on the various technical skills require, the scope of available jobs and various certification such as Microsoft, Google etc. All teaching and non teaching staff of Computer Science department was the members of organizing committee.

Department of Electronics

Hands-On Training Program On Household Appliances Repairing



Department of electronics has organized one-day program on Hands-on training on Household appliances repairing on 28 OCT 2021. Total 28 student of college participated in workshop. Mr. Kadale Sir has successfully conducted program. Where they taught and demonstrated how to repair different household appliances and maintenance of fan he also explain the concept to two-way switch and how to make connection of extension box how to find out the faults in the circuit and fan.

E-Waste Seminar Competition

In the 20th Century, revolution in the information and communication techniques brought the huge changes in the way we organize our lives, our economies, industries and institution. Specifically, the electronic industry in the world is the largest and fastest growing manufacturing industry. However, it led to give birth to E



waste production. E waste means electronics waste products generated by the electronics industry. E waste produces of massive amount of hazardous waste and other wastes generated from electric products. It constitutes a serious challenge to the modern societies and health issues due to informal recycling, poor awareness and reluctance on



part of the corporate to address the critical issues. These thing keep in mind our department decides to take initiative about the E waste awareness and its collection among the students and society. Hence series of programmes was arranged in the department including E-waste poster competition, E-waste seminar competition, E- waste awareness survey E waste Seminar competition

was held on 13 April 2022. 15 students from electronics departments were participated in the activity as a referee A. P. Nagarale from Microbiology department and Mr. M.J.Thakare from Microbiology department were present. during the competition they discuss many issue with the student and enhance the curiosity of the student by raising questions related to the e waste issue and its solution. it was nice experience for the student as they mentioned in their feedback session. first prize of competition was given to gayatri tathod from BSc II ,priya thosar from BSC III got Second prize and third prize goes to Hariom Gavande from from Bsc III.

E waste Poster Competition



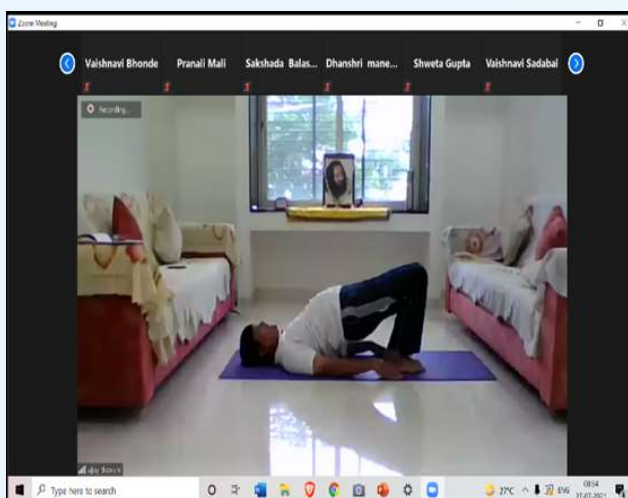
E waste Poster competition was held on 13 April 2022. 26 students from electronics departments were participated in the activity as a referee Dr. P.M. Deshmukh from Microbiology department and Mr. Y.P. Wayal from Chemistry were present and guide the students. first prize goes to Miss Vaibhavi Senger from Bsc I year. Second prize goes to Rohan Chaursiya from BSc I year and third prize goes to Gayatri Tathod from Bsc III are the winners of the activity.

E -Waste Survey In Nearby Villages of Shegaon

Department of Electronics has organized the series of E waste awareness program as part of this last week of April 2022 was dedicated to the activity in this activity 200 forms of E waste management's questionnaires were distributed among the students of B.Sc Electronics. They were visited different people of society and gives the information regarding to the E waste management and fill up the survey forms.

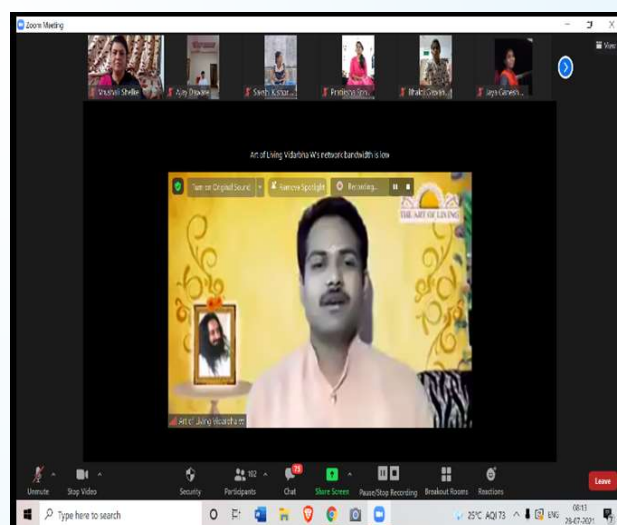


Yoga and Meditation Workshop



In the era of science technology, it is observed that youths are detached from the good habits like physical fitness, yoga and meditation. As the youths are the building block of our nation they should be academically, physically, mentally strong in this context our department decided to

conduct yoga meditation workshop for student to inculcate the physical as well as mental fitness habits in students. Department of electronics has organized three-day workshop on yoga and meditation from 27 july to 29 july 2021 in collaboration with The Art of Living Foundation. 109 student of college get benefited by the activity. Mr Ajay daware (Art of living teacher) from khamgaon and Mr. Manoj ingole (District Teacher Coordinator of art of living) from karanja has successfully conducted the workshop from morning 8.00 am to 9.30 am for three days. Where they taught different aasanas like vajrasan ,padmasan, marjariaasan, pavanmuktasan, naukasan, tadasan, pshimotanasan etc. pranayama like kapalbhati, bramari , nadishodhan, bhastrika. They focused not only on the teaching but they elaborated all the benefits and steps very nicely also explained different techniques of body and brain relaxation technique called meditation.



Science Exhibition on Utility of Solar Energy



In the era of science and technology human lifestyle changed rapidly and we totally depend on the machines to fulfil our daily needs. Human being attracted more and more towards the physical comfort zone and modernization. This practice is continuous from many decades hence the natural resources get deficits. Solar energy is greatest gift of

got that can be helpful to complete our daily need without harming the nature. In this context our department decided to conduct Science Exhibition on Utility of Solar Energy for student to understand and aware about the greatest gift of god that is solar energy. On the occasion of science day 28th February 2021 department has organized exhibitions entitled as utility of solar energy. In this task 11 models from 43 students were presented in the department for this program Respected Minakshitai Ramvijayji Burungale present as chief guest and Principal of college Dr R. E. Khadsan present as president of program.

District level Model Competition

Shri. Dnyaneshwar Maskuji Burungale science and arts college shegaon always encourages the student to participate in different completion. In this context this year department of electronics sent 15 students for district level model making competition. We made 5



models on the theme renewable energy source (solar energy) for different applications like automatic irrigation system based on solar, Traffic light system, bridge water flow indicator, solar based study lamp, bridge breaker alarm system. This competition was held on 7th may 2022 at Shri Shivaji Science and Arts College Chikhali. In this competition our student got first prize and first consolation prize.

Department of Mathematic

State Level Seminar Competition on 'Graduate Level Calculus'

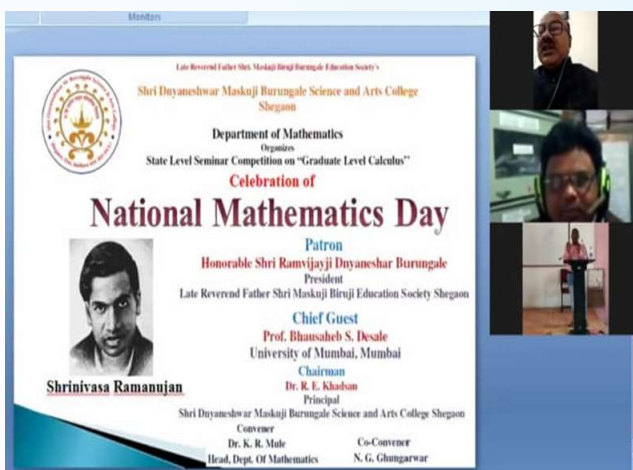
Department of Mathematics celebrated national mathematics day by organized this State Level Seminar Competition on 22nd December 2021. The programme was successfully conducted offline/online mode due to covid-19 restrictions. In this program Prof. Bhausaheb S. Desale (Professor, Department of Mathematics University of Mumbai) was the resource person. Honorable Shri Ramvijay Burungale

Mathematics SDM Burungale Science and Arts College, Shegaon) was Co-Convener of this programme.

Preface of the programme was given by Dr. K. R. Mule he specified motto behind organization of this State Level Seminar Competition and expressed gratitude of this event. Dr. R. E. Khadsan delivered inaugural speech and given best wishes for the Programme. Chief guest Dr. V. R. Patil (Ex-Principal, Arts, Science



(President, Late Reverend Father Shri Maskuji Biruji Education Society, Shegaon) was the president of this programme. Dr. R. E. Khadsan (Principal, Shri Dnyaneshwar Maskuji Burungale Science & Arts College, Shegaon) was Chairman of this programme. Sau. Minakshitai Burungale (Principal Shri D. M. Burungale Jr. College) was the inaugurator for the programme. Convener of this programme was Dr. Kailas R. Mule (Head Dept. of Mathematics and Asst. Prof. Shri D. M. Burungale Science and Arts College Shegaon) and Mr. Nitesh G. Ghungarwar (Asst. Prof. Dept. of



and Commerce College, Chikhaldara) expressed the gratitude for arranging such a nice activity in College.

Dr. S. D. Katore delivered presidential speech. He congratulated organizing team for organizing such a wonderful event. He also thanked to resource persons, chief guest and inaugurator for giving their valuable time.

In the presence of all the respected dignitaries the first prize of rupees 1500/- awarded to Shital Kude, Adarsh College, Hingoli, Second prize of rupees 1000/- awarded to Sakshi Bobade, Dr. R. G. Rathod College, Murtizapur, third prize of

rupees 700/- awarded to Ku. Sakhi Jawalkar, Burungale College Shegaon and Consolation prize awarded to Ku. Sanjana Jeughale, Vivekanand Science College Hivra Ashram. Prizes were distributed to the winners by online payment mode. Total 125 students were present in this

competition through various universities.

Prof. N. G. Ghungarwar was introduced to resource person and Dr. D. L. Bhade and Dr. Ku. Reena Deshmukh introduced to Chief guests. Dr. P.V. Pingle and Dr. Ku. R. K. Jawanjale proposed vote of thanks for different session.

Social Activity of Knowledge Sharing

The social activity of knowledge sharing is being conducted by Department of Mathematics under the supervision of Dr. K. R. Mule (Head Dept. of Mathematics) at Shri Sant Gajanan Maharaj Adivasi Ashram Shala (Alasana Shegaon). Dr. K. R. Mule and Mr. N. G. Ghungarwar started teaching in this school and guided students during the academic year 2021-22. Total 72 students from the school were present for the lecture. The main aim of this activity is to give knowledge to the students and motivate them to know their limitless potential so that presently they enjoy learning of Mathematics.



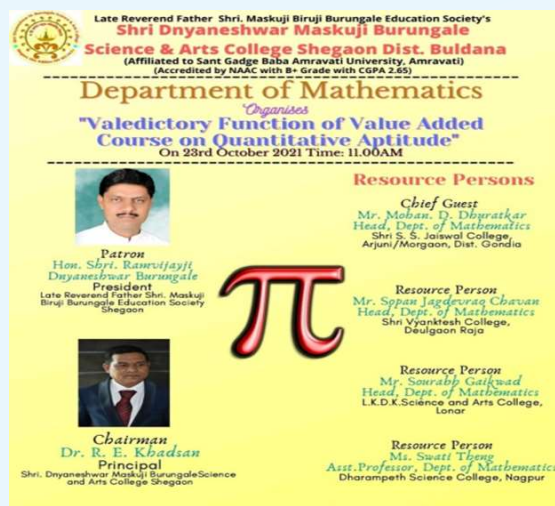
Students Participated in Seminar Competitions and got Prizes



On the occasion of National Mathematics Day 22/12/202. Ku. Ashwini Madhukar Sultane, B.Sc.-III from our college, participated and got Second Prize in the University Level Seminar Competition at MSP Sci. and K. P. T. Commerce College, Manora. Dist. Washim and Ku. Sakshi Vitthal Jawalkar, B.Sc.II student from our college got third

prize in State Level Seminar Competition at Shri D. M. Burungale Science and Arts College, Shegaon. Principal Dr. R. E. Khadsan Sir felicitated the students for the success!

Value Added Course on Quantitative Aptitude

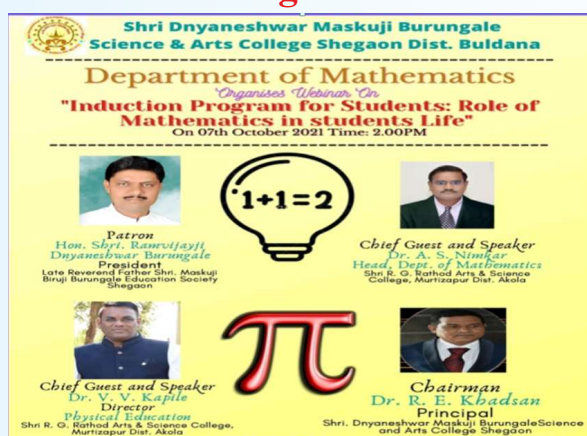


The department of Mathematics organized Value Added Course on Quantitative Aptitude during 04/10/2021-22/10/2021. The patron of the program was Hon. Shri Ramvijayji Dnyaneshwar Burungale (President, Late Reverend Father Shri. Maskuji Biruji Burungale Education Society Shegaon), Chairman of the program was Dr. R. E. Khadsan Coordinator of the program Dr. K. R. Mule (Head Dept. of Mathematics). The course of Quantitative aptitude was taught by Mr. Mohan D. Dhuratkar, Head Dept. of Mathematics

(Shri S. S. Jaiswal College, Arjuni/Morgaon Dist. Gondia). Mr. Sopan J. Chavan Head Dept. of Mathematics (Shri Vyanktesh College Deulgaon Raja), Mr. Saurabh Gaikwad, Head Dept. of Mathematics (L.K.D.K. Science and Arts College, Lonar), Ms. Swati Theng, Asst. Prof. Dept. of Mathematics (Dharampeth Science College, Nagpur) and Mr. N. G. Ghungarwar, Total 73 students were participated in this course.



Induction Program for Students: Role of Mathematics in Students Life



Department of Mathematics organized "Induction Program for students: Role of Mathematics in Students Life" on 07/10/2021 at 2.00 pm. The Chief guest and Speaker of the program were Dr. A. S. Nimkar, Head Dept. of Mathematics (Shri R. G. Rathod Arts & Science College, Murtizapur Dist. Akola) and Dr. V. V. Kapile, Director of Physical Education (Shri R. G. Rathod Arts & Science College, Murtizapur Dist. Akola). Dr. K. R. Mule, Head Dept. of Mathematics introduced

to the speakers and gave overall idea about department of Mathematics and Subject, then speakers guided students on role of Mathematics in student's life. Total 43 students were present for the program. At the end the vote of thanks delivered by Mr. N. G. Ghungarwar.

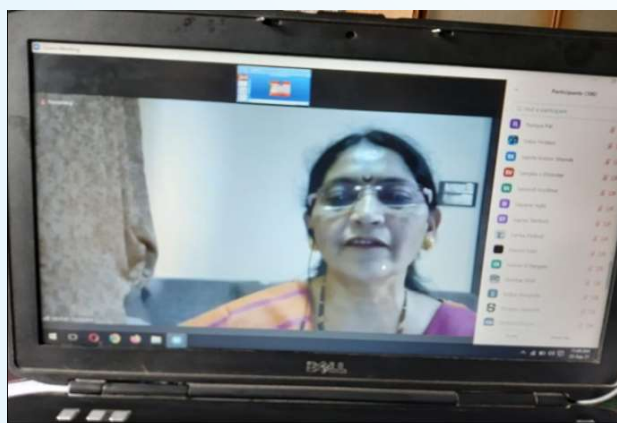
Library

National Level "Workshop on E-Content Development"

Now a day education systems become more advance due to technology touch. Used of various technical tools is a need of current scenario. IQAC knew values of technology and their uses and tried to motivate for the used technical tools in traditional teaching methods as per current situation. Bearing this all we organized one day online workshop on th E-content Development on dated 9th August 2021. Dr. Ku. Reena Deshmukh introduced to all dignitaries. Dr. Rahul K. Deshmukh, Librarian, SGRG Shinde Mahavidyalay Parandaa, Dist. Osmanabad. Dr. Deshmukh delivered his lecture on E-content development as a resource person, during lecture Sir was explained various terminologies regarding to same. Dr. R.E. Khadsan was chairman for this program. Beyond the vote of thanks feedback link along with certificate was sent to all participants. This program conveyed by IQAC Coordinator and Librarian of our college. 150 participants responded this workshop.



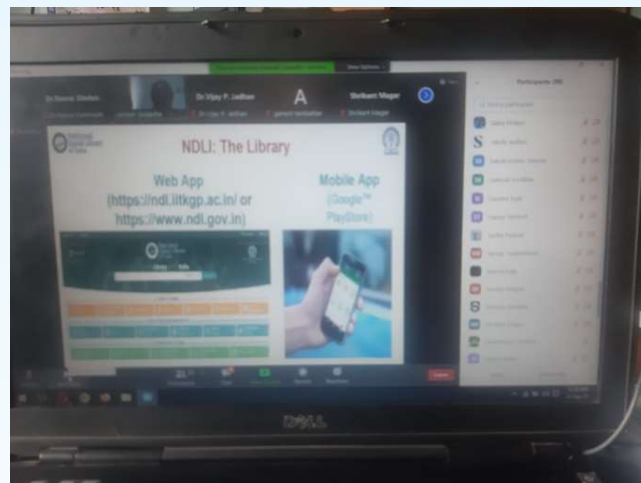
Webinar on "Awareness about National Digital Library of India"



Department of Library in Association with National Digital Library of India Club

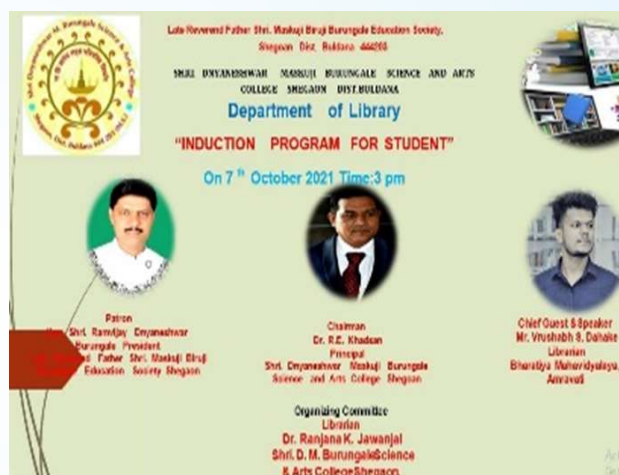
organized Webinar on "Awareness about National Digital Library Of India" for all UG students of the college. NDLI Club members on 23/09/2021 through Shri Dnyaneshwar M. Burungale science and Arts College. Dr. Reena Deshmukh department of chemistry delivered the welcome address and Dr. Ranjana Jawanjal (Librarian) Introductory speech. Dr. Vaishali P. Gudadhe (Chaukhande) gave a detailed presentation on Why,

When, Where & How about NDL. Apart from this he explained about how NDL is different from Google. Shri Ramvijay Dnyaneshwar Burungale was Parton of this function, Dr. Dr. R.E. Khadsan and President, NDLI club Dr. Ajay Wadekar. Event was concluded with a questionnaire session among the participants. Ms. Yogesh Wayal proposed vote of thanks.



Induction Program for student

Shri, Dnyaneshwar M. Burungale Science & Arts College Shegaon organized a one week induction program for the fresher's B.A. and B.sc. first year students. Library organized webinar on "Library E-Resources & your pocket library" Development on dated 7th October 2021 through the part of Induction program. Dr. Ranjana Jawanjal introduced to all dignitaries. Chief guest & speaker Mr. Vrushabh Dahake Librarian Bhartiya Mahavidyalaya Amravati delivered his lecture on "Library E-Resources & your pocket library" during the lecture, sir was explained various types e-resources, In this programme discuss about Definition of today's Library. She explained about open access, e-courses



How to access e-resources, and how to it beneficial in your future. The recording of the programme is carried out. Dr. R.E. Khadsan chairman for this programme. Lastly students ask the question and get satisfaction from the speaker. The programme was ended followed the vote of thanks. 200 students was attended this programme.

वाचन प्रेरणा दिन(१५ ऑक्टोबर २०२१)

दि.१५ऑक्टोबर२०२१रोजी महाविद्यालयाच्या ग्रंथालय विभागा अंतर्गत भारताचे माजी राष्ट्रपती डॉ. ए. पी.जे अब्दुल कलामांचा जन्म दिवस वाचन प्रेरणा दिन म्हणून साजरा करण्यात आला. सदर कार्यक्रम कोविड-१९ या संसर्गजन्य रोगाच्या प्रादुर्भावामुळे शासनाने ठरवून दिलेल्या नियमावलीनुसार दि.१२/१०/२०२१ते१५/१०/२०२१पर्यंत ऑनलाईन पद्धतीने घेण्यात आला.कार्यक्रमा दरम्यान

१) दि. १२ऑक्टोबर २०२१रोजी सोशल मिडियाद्वारे विद्यार्थीवाचकासोबत संवादसाधून वाचन प्रेरणादिनाचे ववाचन चळवळीचे महत्वपटवून दिले .दि. १५ऑक्टोबर २०२१ रोजी डॉ.ए.पी.जेअब्दुल कलामांचा जन्मदिवस वाचनप्रेरणा दिन साजरा करण्यासाठी कार्यक्रमाची रूपरेषा समजावून दिली व त्यासाठी सर्व सुचना दिल्या.

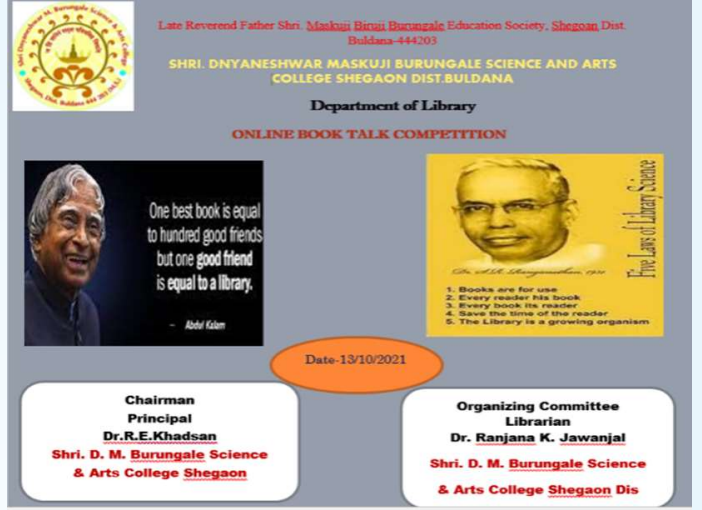
२) दि.१३ ऑक्टोबर २०२१ रोजी विद्यार्थ्यांमध्ये वाचन संस्कृती वृद्धीगत होण्याकरिता (डॉ.ए. पी.जे अब्दुल कलामा वरील साहित्य व माहिती) महत्व पटवून देवून विद्यार्थी वाचकांना प्रोत्साहित करण्यात आले.

३) दि.१३ ऑक्टोबर २०२१रोजी वाचन संस्कृती जोपासतांना विद्यार्थीयासाठी ऑनलाईन पद्धतीने डॉ. ए. पी.जे अब्दुल कलामांच्या जीवन चरित्रावर आधारित व इतर साहित्या वरआधारित विविध पुस्तकावर Book Talk Competition चे ऑनलाईन पद्धतीने आयोजन करण्यात आले. यामध्ये१००विद्यार्थीनी आपला सहभाग नोंदवला.

४) दि. १४ ऑक्टोबर २०२१ रोजी डॉ. ए. पी.जे अब्दुल कलामांच्या साहित्याच वर आधारित निवडक , कथा, कविता, लेख यावरआधारित Book Review Competition व Books exhibition चे आयोजन करून, प्रदर्शन भरविण्यात आले .हे उपक्रम ऑनलाईन पद्धतीने घेण्यात आले, यास विद्यार्थी वाचकांनी समाधानकारक प्रतिसाद दिला. Book Talk Competition मध्ये प्रथम क्रमांक कु.अनामिका श्रीनाथ ,दिल्लीय क्रमांक कु. पूनम आसोलकर ,तर तृतीय क्रमांक सपना शेगावकर यास्पर्धकांना प्रथम बक्षिस७०० रु दिल्लीय बक्षिस ५०० रु तर तृतीय क्रमांकाचे बक्षिस २००रु. या स्वरूपामध्ये बक्षिस वितरण करण्यात आले. यानंतर Book Review Competition चे प्रदर्शन



भरवून परीक्षकाच्या हस्ते पहिले तीन क्रमांक देण्यात आले . प्रथम क्रमांक कु.पूनम हजारे , दिव्तीय क्रमांक कु.रोहिणी मासाळ, तृतीय क्रमांक कु.नेहा गावंडे या स्पर्धकांना पुस्तक आणि पेन अश्या स्वरूपामध्ये श्री ज्ञानेश्वर मस्कुजी बुरुंगले कला व विज्ञान कनिष्ठ महाविद्यालयाच्या प्राचार्य सौ मीनाक्षीताई बुरुंगले.यांचे हस्ते बक्षिस वितरण करण्यात आले.



- ५) दि. १५ ऑक्टोबर २०२१ रोजी डॉ. ए. पी. जे अब्दुल कलामयांच्य प्रतिमेचे पूजन मा. प्राचार्य डॉ.आर.ई.खडसान व प्राचार्य सौ मीनाक्षीताई बुरुंगले. यांचे हस्ते करण्यात आले. नंतर १२ ऑक्टोबर २०२१ पासून राबवलेल्या सर्वकार्यक्रमाचा आढावा घेण्यात आला. त्यावर उपस्थित सर्वशिक्षक व शिक्षकेतर कर्मचारी यांनी समाधान व्यक्त केले. शासनाने ठरवून दिलेल्या निकषाचे पालन करत योग्य अंतर राखून आज चा हा वाचन प्रेरणादिनाच्या उपक्रमाचा समारोप करण्यात आला. या कार्यक्रमात प्रमुख उपस्थितीमध्ये महाविद्यालयाचे मा. प्राचार्य डॉ.आर.ई.खडसान प्रमुख अतिथी मध्ये श्री ज्ञानेश्वर मस्कुजी बुरुंगले कला व विज्ञान क



निष्ठमहाविद्यालयाच्या प्राचार्य सौ मीनाक्षीताई

बुरुंगले, ग्रंथालय प्रमुख प्रा. डॉ. कु. रंजना जवंजाळ तसेच सर्व प्राध्यापक व सर्व प्राध्यापिका व शिक्षके तर कर्मचारी उपस्थित होते. नोडल अधिकारी म्हणून प्रा.डॉ.कु.जवंजाळ यांनी काम पहिले.



Seminar and Books Exhibition

Shri Dnyaneshwar Maskuji Burungale college organized Various educational, social and cultural programs under the guidance of Shri Ramvijayji Burungale. 23 April 2022 is celebrated world wide as World Book Day in the memory of William Shakespeare. As part of this, Department of library organized book exhibition and invited talk on title Vachal Tar Vachal . For this occasion Dr. R.E.khadsan sir present as president of program he said



reading enriches ones language and thoughts also discuss various facets of the topic. As chief guest prof. Nilesh Dewar Librarian Shri G.B. Murarka Arts & Commerce College, shegaon was present on the dice. He said that, instead of reading when you are having time, read regularly it will definitely make difference in your intellectual capacity. IQAC coordinator of college Dr. Ajay Wadekar and Dr. R.K Jawanjal, Librarian was present on the dice. Dr. Ms. Ranjana Jawanjal was explains importance of World Book Day and Introduced of chief guests. Ku. Nishita Santosh anchored this program and Dr.Ranjana Jawanjal proposed the vote of thanks. All teachers and non-teaching staff and 130 students were present for this event.

Vachal Tar Vachal



S h r i .
D n y a n e s h w a r
M a s k u j i B u r u n g a l e
C o l l e g e o r g a n i z e d
V a r i o u s e d u c a t i o n a l ,
s o c i a l a n d c u l t u r a l
p r o g r a m s u n d e r t h e
g u i d a n c e o f S h r i .
R a m v i j a y j i

Burungale. Department of library on 26th May 2022 A book rally was organized for the development of reading culture in the society, on title of Vachal Tar Vachal. The visions of the rally are to make aware people and motivate them for reading. The importance of reading through various proverbs and books based on reading for the development of reading culture was emphasized, and under this initiative a book rally was organized by collecting information of some parts of Shegaon city and giving them the books they needed. The principal of the college, Dr. R.E. Khadsan sir present in the book rally. The program carried out by Librarian Ku. Dr. Ranjana Jawanjal. All teachers and non-teaching staff and 56 students were present for this rally.

Department of Physical Education

Role Of Yoga And Meditation In Personality Development

Department of Physical Education organized one day state level webinar on Role of Yoga and meditation in personality development on 05th October 2021. Prof. (Dr.) Shatrunjay Mrityunjay Kote, Principal, M. S. M's. College of Physical Education and Prof. Dr. Makarand Joshi, Professor Department of physical education, M. S. M's. College of Physical Education

Aurangabad and FIG international judge in Aerobic gymnastic were delivered his talk as a resource person. In their talk they explored important of yoga and meditations in the personality development and daily routine life. How can yoga and meditation change or impact our daily routine. Dr. P.V. Pingle



introduced to our resource person and guests. Dr. R.E.Khadsan was concluded this webinar in his presidential speech. Dr. Wadekar proposed vote of thanks. Total 93 participants registered for this webinar.

COVID-19 Vaccination Program

Department of Physical education and IQAC jointly organised COVID-19 vaccination program on 16th October 2021 in collaboration with Saibai mote General Hospital shegaon. Hon. Shri. Ramvijay Dnyaneshwar Burungale, President of Late reverend father shri Maskuji Biruji Burungale Education Society Shegaon and Dr. P.B. Pandit Medical Superintendent, Saibai Mote General Hospital Shegaon, Medical Superintendent were inaugurated this program. For this program Mrs. Minakshitai Ramvijay Burungale, Principal, Shri. D.M.Burungale Arts and Sci. Junior college shegaon, Dr. R.E.Khadsan Principal were present as



special guests. Dr. P.V. Pingle introduced to all guests and Dr. A.B.Wadekar proposed vote of thanks

Kho-Kho Tournament



Sant Gadge Baba Amravati University Amravati allotted Kho-Kho zone to our college for arranging inter-collegiate Kho-Kho tournament for women's. Two days inter-collegiate kho-kho tournament conducted by Department of Physical Education of our college in our college ground on 30-31th December

2021. Hon. President Shri. Ramvijay Dnyaneshwar Burungale President of Late reverend father Shri. Maskuji Biruji Burungale Science and Arts College Shegoan and Dr. R.E.Khadsan inaugurated this tournament. Total 27 teams were participated for this tournament. In this tournament

Participation in Intercollegiate Game



Girl Kho-Kho team of our college participated in intercollegiate Kho-Kho tournament arranged by Sant Gadge Baba Amravati University Amravati at HVPM College Amravati. During this tournament

our college Kho-Kho team reaches to final match and at the end our team beat the HVPM college Kho-Kho team and we won runner up prize in same.

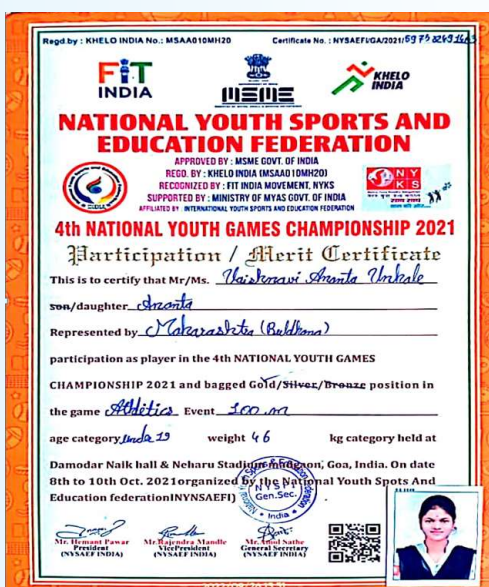
Colour coat in Kho-Kho



I) Ms. Sushmita Vasantrya Pote was awarded the Colour in Kho-Kho for representing team in the West Zone Inter-University tournament held at Veer Narmada South Gujrat University, Surat during the year 2021-22.

Gold Medal Athletics

Department of physical education of our college always motivated to student for participation in sport on various levels such as college level, university level,



in Athletic event 100 meter held at Damodar Naik Hall and Neharu Stadium Madgaon Goa, India.

2) In session 2021-22

Ms. Vaishnavi Ananta Unhale, B.A.-I

students of our college has actively participated 4th National Youth Game Championship-2021 organized by National Youth Sport and Education Federation India during 8th October 2021 to 10th October 2021. She got Gold medal



Ms. Vaishnavi Ananta Unhale B.A.-II students of our college has actively participated Nepal in 7th Nepal International Hero's Games Championship-2021-22 organized by youth Sport development forum, Nepal on 1st may 2022 to 5th may 2022 and she bagged Gold Medal in Athletics event 100 meter which is held at Rangshala Stadium Pokhara,

National Service Scheme (NSS)

The NSS unit of our college actively carried out different activities with strong student's response. Dr. G.D. Tambatkar worked as NSS program officer. Dr. R J. Deshmukh was a NSS women program officer along with active members Prof. Y.P. Wayal and Prof. N.J. Thakare worked for national service scheme.

- 1) NSS started their work with Plantation program on 31st July 2021 as per the order of forest department of Maharashtra Government. Different varieties of plants planted in new college campus. Total 100 plants were planted.
 - 2) "15 day of Cleanliness Program" was celebrated by College through the NSS unit during 1 August to 15 August 2021. On the occasion of inauguration function of this program Guests were explained importance of cleanliness and health.
 - 3) NSS Day celebrated by NSS on 24th September 2021. During this program Dr. Padwal, NSS Buldana District Coordinator was gave their speech on Citizenship Amendment Act illusion and reality as chief guest.
 - 4) Inauguration of RED Ribbon Club in collaboration with HIV-AIDS department of Saibai Mote general Hospital Shegaon.
 - 5) COVID-19 Vaccination Camp, during these camp 70 students was beneficiary. They are vaccinated by CoviShield and Covaxin vaccines.
 - 6) International AIDS Day Celebrated by Red Ribbon club of our college through NSS collaboration with Saibai Mote general Hospital Shegaon. On this occasion, the principal announced the office bearers of the Red Ribbon Club for the session 2021-2022 in the college and through Train to Trainer Mr. Ajay Deshmukh gave detailed information about HIV-AIDS and took an oath to spread this information to the society and spread awareness about this terrible disease.
 - 7) National Voter Awareness 15 Day Celebration Program conducted by NSS.
 - 8) Two students sent for Quiz competition organized by Red Ribbon Club.
 - 9) Three student sent State level Essay Competition
 - 10) Four students were sent for University level Disaster Management two day workshop.
 - 11) Six students were sent for District level special labor camp "विशेष श्रमसंस्कार शिबीर" बुरुंगले महाविद्यालयात रासेयो पथकाच्या वतीने कोविड-१९ प्रतिबंधक लसीकरण शिबिर संपन्न



12) Sant Gadge Baba Amravati University Amravati selected one NSS Student volunteer of or college Ms. Saloni Trivedi selected for National Integration Camp at Bhubaneswar for 10 student's team of our university representation this camp.

13) NSS camp of our college conducted during 28 March 2022 to 4 April 2022 at Adopted village Nagzari ta. Shegaon. Detail of this camp as follows.

Day-1- Gathering of Volunteers and Registration, preplanning of next day and clean hospitality area.

Day-2- The inauguration ceremony of the camp was held on the second day at 11 am. The program was presided over by Ramvijay Dnyaneshwar Burungale as the president and Mr. Saadhan Sonawane Tehsildar, Shegaon as the inaugurator and the District Coordinator of NSS Prof. Dr. Vishnu Padwal, Mr. Ganesh Kharap, Sarpanch Nagzari, Sevakram as the chief guests. Sardar, Deputy Sarpanch Nagzari and Principal of the college Dr. R.E.Khadsan were present during this function

Day-3- Yoga classes and prayers were conducted under the guidance of Prof. Dr. Ajay Wadekar, Yoga teacher from 5 to 6:30 in the morning. In the intellectual session today, Dr. PV Pingle gave a lecture on the need of physical education in life. At the same time, Prof. Dr. VK Gaikwad gave a lecture on the state and direction of the constitution. He asserted that a positive perspective should be created in the NSS volunteers.

Day-4- In the afternoon session, Prof. Shivaji College Chikhali. Dr. J. J. In his speech, Jadhav expressed his opinion on the subject of Citizenship Amendment Act illusion and reality. At the same time, Dr. Panjabrao Deshmukh, Rashtrasant Tukdoji Maharaj and



Sant Gadge Baba, who were born in Vidarbha land, reviewed the social and educational work of Dr. Panjabrao Deshmukh, Rashtrasant Tukdoji Maharaj and Sant Gadge Baba, adding spirituality to science. Ganesh Tambatkar, Cooperation Program Officer Prof. Yogesh Vial, Prof. Mayur Thackeray, Women Program Officer Dr. Reena Deshmukh were present. In the second lecture, Dr. Ramesh Rathod gave a



lecture on the subject of scientific knowledge of students. In the evening a cultural program was performed by NSS volunteers and villagers.

Day-5- After yoga and prayers were over, all the students gave their work and in the afternoon intellectual session Dr. Kishore Wankhade shed light and created public awareness about the Indian Constitution. Prof. Dr. Ashok Padghan gave a lecture on the topic "Today's Status and Direction of Youth". In the cultural program in the evening, NSS will present various programs for volunteers.



Day-6- From 5 to 6:30 in the morning, Yogas and prayers were conducted under the guidance of Prof. Dr. Ajay Wadekar,

Yoga teacher and the students did Shramdon. Prof. on behalf of the Microbiology department of the college. Mrs. Y. S. Patil, Prof. Amol Nagarle, Prof., Dr. Prasad Deshmukh, Prof. Mayur Thackeray and under his guidance, blood sugar and hemoglobin testing camp was conducted, the villagers gave good response to it. In the intellectual session today afternoon, the lecture of Akola's Guruvarya Jeevan Deshmukh was organized. Yogesh Wayal. Value education is very important in the student period and due to value education a person becomes able to face any situation in his future life and his personality development happens automatically, similarly a positive perspective should be created in the NSS volunteers and for that the volunteer needs to make radical changes in him, behavior and thinking. He asserted that this time. Prof. GS Gawande, S. S. Gomase, Prof. Sanjay Mandve gave a lecture on the role of youth in Panchayat Raj system and stress free life happy life. Also, in the cultural program in the evening, NSS volunteers organized a poet meeting and a solo dance competition.



Day-7- After yoga and prayers were over, all the students did Shramdan. In the afternoon intellectual session Mr. R. L, T. College of Science Prof. Dr. Sudhir Kohchale



Disaster Management, Prof. Shankesh Zayte Snake Bite and Management while Prof. Shailendra Madavi gave guidance on First Aid and Bandage. Shekoti Geet and Kavi Samelan were presented by Volunteers.

Day-8- The closing ceremony was held today at 12:00 PM. Dr. R. E. Khadsan, the principal of the college, presided over the program. Chief guest on this occasion Prof. Dr. Deepak Nagar, Mr. Ganesh Kharap, Sarpanch Nagzari, Sevakram Sardar, Upasarpanch Nagzari and Principal Mr. Prabhakar Avakale were also present in the main presence. The students narrated their experience of seven days while the program officer Dr. G. D. Tambatkar read the report and all dignitaries expressed their views. Conducting the program Prof. Yogesh Vial and Prof. Mayur Thackeray expressed thanks.





IQAC NEWSLETTER QUALITY INVENTIVENESS AND ACCOMPLISHMENTS

Annually Bulletin of IQAC
Shri. Dnyaneshwar Maskuji Burungale
Science and Arts College Shegaon Dist. Buldana-Maharashtra

Volume-01 (01) 2021

Shri. Dnyaneshwar Maskuji Burungale Science and Arts
College Shegaon Dist. Buldana-444203

**Hon. Shri. Ramvijay
Dnyaneshwar Burungale**

President,
Late Reverend father
Shri. Maskuji Biruji Burungale
Educational Society Shegaon

Dr. R.E. Khadsan
(Principal)

Shri. Dnyaneshwar Maskuji
Burungale Science and
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Shri. Dnyaneshwar Maskuji
Burungale Science and Arts College
Shegaon Dist. Buldana

This newsletter published by Internal quality Assurance cell of Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon. Main aim to inform all stakeholders in details about various activities organised by college. Through this activity try to rise involvement and participation of all stakeholders.



Principal's Message:

Quality is a byword for excellence in education. The assurance and sustenance of quality in higher education institutions is the primary responsibility of the Internal Quality Assurance Cell (IQAC). The formation of IQAC has been effected thanks to the initiative of the National Assessment and Accreditation Council of India (NAAC), the apex evaluator body for HEIs. The purpose of this cell is to implement and internalize innovative and best practices in all the academic and administrative processes that define an institution. In fact, IQAC is no less than the heart of an institution. It pumps into the academia a rich and constant supply of ideas and practices that have a transformative effect in terms of improving institutional health, efficiency and productivity. It is through its effective functioning that the institution fulfils its aims at quality enrichment and quality sustenance. The SDMBSA College IQAC has been putting in a lot of efforts for introducing student-centric teaching and learning, focused research along with goal-oriented governance and management. The last one year, in particular, has been a year of intense and hard preparation for the IQAC as it leads the College for the Second Cycle of NAAC reaccreditation. I am extremely happy that the IQAC of our College is bringing out its first issue of a newsletter dedicated solely to matters regarding higher education and NAAC measures. I congratulate the editorial team of the news letter for this richly informative inaugural issue with warm regards.

Dr. R.E.Khadsan
Principal



Editorial Massage :

The board of editors is really proud exuberant to present the issue of 1st volume of IQAC newsletter to all its stakeholders. The main aim of this practice is to get maximum involvement of all the stakeholders by providing them complete information about the activities of the IQAC. The basic principle underlying this approach is that if the people involved in any productive activity are well informed, the participation index and involvement grows at a higher pace. Principal and the Coordinator moved towards getting all the stakeholders involved with the optimum use of the minimum possible resources with the tool of an IQAC newsletter.

The Principal and IQAC Coordinator of the college decided to prepare a document that could provide complete and clear information about the activities of the NAAC, IQAC and the role of the college in the post accreditation set up. A small documentary booklet prepared which included the introduction accreditation of college by NAAC, vision and mission of the college, objectives and functions of the IQAC, Plans chalked out, objectives and targets accomplished recent milestones and future plans.

I expressed my sincere gratitude toward Honorable Shri. Ramvijay Dnyaneshwar Burungale, President, Late. Reverend Father Shri. Maskuji Biruji Burungale Education Society, Shegaon, Dr. R.E.Khadsan, Principal, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon, all IQAC Committee members and teaching staff of our college for their valuable co-operation and strong support during the robust period of COVID-19 pandemic for the successful move of this IQAC Newsletter-2021 and I expects the same in future too.

Dr. A.B. Wadekar
Chief Editor

Index

SN	Title	Page No.
1)	IQAC Committee	5
2)	First Cycle NAAC Certificate & Quality Profile	5
3)	College Vision	6
4)	College Mission	
5)	Objectives Of IQAC	
6)	Functions	
7)	Operational Features Of The IQAC	7
8)	Academic Calendar -2020-21	9
9)	CAS of Faculty	10
10)	Webinar On Intellectual Property Rights	10
11)	One Day National Webinar On Career Advancement Scheme (CAS) For Teaching And Non Teaching Staff	11
12)	Participated In Management Information System (MIS) Portal Of MHRD, Government Of India	11
13)	Webinar On Competitive Exam Guidance	12
14)	Motivation And Goal Setting For Success	12
15)	Agricultural Laws And Farmer Agitation	13
16)	Two Days National Conference On "The Epidemic Challenges And Future Perspective Of The Physical Fitness, Yogic Practices And Competitive Sports"	14
17)	One Day Webinar Assessment And Accreditation Of HEI's By NAAC During Covid-19 Pandemic Era: Opportunities And Challenges	15
18)	Parent-Teacher Meet	16
19)	SSS (Student Satisfactory Survey)	16
20)	Alumni Meet	17
21)	E-Convocation Ceremony 2021	17
22)	Webinar On Gender Sensitization And Equality	18
23)	Feedback System	18
24)	Workshop On E-Content Development	19
25)	IQAC Meetings	19
26)	Future Plans Of Actions For Next Academic Year	20
27)	Gallery Section	21

**Shri.Dnyaneshwar Maskuji Burungale
Science & Arts College, Shegaon-Dist. Buldana-444203**

IQAC COMMITTEE

S. N.	Name	Designation
1	Dr. R. E. Khadsan (Principal)	Chairman
2	Dr. D. L. Bhade	Member
3	Dr. G. D. Tambatkar	Member
4	Mr. K. R. Mule	Member
5	Mr. V. V. Agarkar	Member
6	Dr. Ku. V. P. Shelke	Member
7	Dr. P. V. Pingale	Member
8	Miss. R. K. Jawanjal	Member
9	Shri. Kamalakar Ramkushna Burungale	Management representative
10	Mr. C. S. Shinde	Member
11	Shri. R. B. Ingle	Industrial person
12	Shri. Shivaji M. Nile	Alumni
13	Ku. Vaishnavi D. Sampale	Student
14	Shri. Ashok Vyas	Stakeholder
15	Shri. Shivaji Umakant Burungale	Social Worker
16	Dr. A. B. Wadekar	Co-ordinator

First Cycle NAAC Certificate & Quality Profile



राष्ट्रीय मूल्यांकन एवं प्रमाणन परिषद
NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL
an autonomous institution of the University Grants Commission

Quality Profile

Name of the Institution : Shri Dnyaneshwar Maskuji Burungale Science and Arts College
Place : Chhargan Nagpur, Shegaon, Dist. Buldana, Maharashtra

Criteria	Weightage (100)	Collected score Weighted (0-1000)	Collected score Weighted (0-1000)
I. Governance Aspects	100	200	2.00
II. Teaching-Learning and Evaluation	300	1000	3.33
III. Research, Consultancy and Extension	100	300	3.00
IV. Infrastructure and Learning Resources	100	300	3.00
V. Student Support and Progression	100	350	3.50
VI. Governance, Leadership & Management	100	250	2.50
VII. Innovation and Best Practices	100	300	3.00
Total	1000	2009	2.63

Institutional CGPA = $\frac{2009}{775} = 2.63$

Grade = **B**

Date : October 30, 2017

Director

College Vision

Shri. Dnyaneshwar Maskuji Burungale Science & Arts College, Shegaon as a learning community committed to pursuing excellent and inspiring achievement, provide quality educational programs and services to enrich and empower students to reach their full potential as inform and productive members of the society.

Excellence:-

SDMBSACS College strives for excellence in programs and services through fostering innovative teaching practices and educational technologies and valuing personal interaction as the core to learning.

Community:-

SDMBSACS College endeavors to built community through addressing the educational needs of its service area, reading out to underrepresented population fostering relationship with local school and transfer institution and forging partnership with business and community organization.

Student Success:

SDMBSACS college promote students success by providing students centered academic and support services and creating opportunities for the employment, internship and community services.

College Mission

Shri Dnyaneshwar Maskuji Burungale Science and Arts College, Shegaon inspire and prepare our students to reach their educational goals by providing:

- Excellence in Teaching.
- Rigorous academic programs for completion and transfer.
- Training to enhance employment and career skills.
- Preparatory programs for student's success

Objectives of IQAC:

To work as catalyst for endorsement of academic and administrative quality enhancement and sustenance.

To developed democratic environment for effective execution of academic and administrative activities.

Functions

- a) Development and application of quality benchmarks;
- b) Setting parameters for various academic and administrative activities of the institution;
- c) Facilitating the creation of a learner-centric environment conducive to quality education and faculty development to adopt the required knowledge and technology for participatory teaching and learning process;

- d) Collection and analysis of feedback from all the stakeholders on quality-related institutional processes;
- d) Dissemination of information on various quality parameters to all the stakeholders;
- e) Organization of intra- and inter-institutional workshops and seminars on quality-related themes and promotion of quality circles;
- f) Documentation of various programmes/activities leading to quality improvement;
- g) Acting as a nodal agency of the institution for coordinating quality-related activities, including adoption and dissemination of the best practices;
- h) Development and maintenance of institutional database through MIS for the purpose of maintaining and enhancing institutional quality;
- I) Periodical conduct of Academic and Administrative Audits along with their follow-up activities; and
- j) Preparation and submission of the Annual Quality Assurance Report (AQAR) as per the guidelines and parameters of NAAC.

Operational Features of the IQAC:

- IQAC was establishment with special goal of quality enhancement and sustenance. IQAC committed about their goals and crucially focus to promote quality oriented environment among faculty and students. IQAC design plan for academic session and accomplish all commitments
- IQAC crucially focus on quality enhancement and sustenance during academic and administrative activities.
- IQAC develop standard operational procedure for effective execution.
- IQAC constructed various portfolios and effectively follows SOP to increase productivity.
- IQAC provide proper training and guidance to concern faculties for NAAC Documentation through Seminar/Webinar/Workshop/Conferences and so on.
- The IQAC has to ensure that whatever is done in the institution for higher education is done efficiently and effectively. In order to do this, the IQAC will have to first establish procedures and modalities to collect data and information on the various aspects of the functioning of the institution.
- The IQAC Coordinator has a major role in implementing these functions. The IQAC may derive support from the already existing units and mechanism that contribute to the each function.
- IQAC provided required information and data to demanding institutional as well as Government authorities. Every year IQAC filled out Annual quality Assurance Report (AQAR) of our college as per the NAAC guidelines within given time band.
- During the institutional visit, the NAAC peer team will interact with the IQAC to know about its functioning, progress, and the quality sustenance initiatives undertaken by it.
- The AQAR may be part of the Annual Report. It shall be approved by the statutory body/bodies of the HEIs which will also monitor the quality enhancement measures undertaken by the IQAC.
- The IQAC created exclusive window tab on college website to introduce visitors about institutional progress and status. This tab updated time to time by uploading documents. IQAC tab on website includes NAAC peer team Reports and certificates of Accreditation, AQAR, and Academic calendar, best practices etc. It shall regularly upload/report on its activities and host the AQAR as well.



**Shri.Dnyaneshwar Maskuji Burungale
Science & Arts College, Shegaon-Dist. Buldana-444203**

Academic Calender 2020-21

Sr. No.	Events / Programme	Date / days of week
1)	First Session / College Reopens	4th August 2020
2)	Admission Process	4th August 2020-20 th August 2020
3)	Independence day celebration	15th August 2020
4)	IQAC Meeting	In 2nd week of August 2020
5)	Teaching days higher classes of UG	17th August 2020- 17 th Oct. 2020
6)	Ganesh Chaturthi	22th August 2020
7)	Anant Chaturdashi	1st Sep. 2020
8)	Mahatma Gandhi Jayanti	2nd Oct. 2020
9)	Summer Examination	1 9th Oct. 2020 -7th Nov 2020
10)	Induction Program for 1 st year students	2nd Nov. 2020- 7 th Nov. 2020
11)	Program on IPR	6th Nov 2020
12)	First Term Vacation/Winter Vacation	9th Nov.2020 To 21th Nov,2020
13)	Teaching days higher classes of UG	23th Nov. 2020- 13 th Feb. 2021
14)	Teaching days of First year UG classes	23th Nov. 2020-1 3 th Feb. 2021
15)	IQAC Meeting	1 * week of December 2020
16)	Celebration of Dr. Panjabrao Deshmukh Jayanti	27th December 2020
17)	Preparation of AQAR 20 1 9-20	1st July 2019-30th June 2020
18)	Celebration of Savitribai Phule Jayanti	3rd January 2021
19)	Celebration of Rajmata Jijau Jayanti	12th January 2021
20)	Celebration of Swami Vivekanand Jayanti	12th January 2021
21)	Program on CAS	20th January 2021
22)	Republic Day Celebration	26th January 2021
23)	Competitive Exam Guidance Webinar	5th Feb 2021
24)	Motivation and Goal Setting Webinar	11th Feb 2021
25)	Odd Semester University Examination	15th Feb. 2021 -20 th March 2021
26)	Celebration of Chatrapati Shivaji Maharaj Jayanti	19th Feb. 2021
27)	One Day Online National Conference on RTST-202 1	22th Feb 2021
28)	Motivational Science Workshop-202 1	28 th Feb 2021
29)	Program on कृषी कायदे आणि शेतकरी आंदोलन	03th March 2021
30)	Celebration of International Women's Day	08th March 2021
31)	Start of Second Session	22th March 2021-7th August 2021
32)	Teaching Days (40 Days)	22nd March 2021 -30th April 2021
33)	Celebration of Dr. Babasaheb Ambedkar Jayanti	14th April 2021
34)	Two days National E-Conference on ECFPPFYCCS-2021	1 4th 15th April 2021
35)	IQAC Meeting	Last week of April 2021
36)	Program on AA of HEI by NAAC during COVID-1 9 Pandemic Era: Opportunities and Challenges	26th April 2021
37)	Second Term Vacation	1st May 2021- 31th May 2021
38)	Teaching Days (68 Days)	1st June 202 1-7th August 2021
39)	International Yoga Day 202 1	21th June 2021
40)	IQAC Meeting	First week of July 2021
41)	Bridge Course for Competitive Examination	9th July-8th August 2021
42)	E-Convocation Ceremony- 2021	26th July 2021
43)	Workshop on Yoga & Meditation for Youth	27 th to 29th July 2021
44)	Program on Gender sensitization and equality-	28th July 2021
45)	Workshop on E-Content Development	9th August 2021
46)	Even Semester University Examination	9th August 2021 - 28th August 2021

Rohadekar..

Principal
Shri. Dnyaneshwar Maskuji
Burungale Science and Arts College
Shegaon Dist. Buldana

IQAC committed to create friendly and reliable environment for academic and administrative activities and provided convenient space for educational qualities and professional development of students and faculties respectively. Bearing this IQAC were conducted various curriculum and extra curriculum activities.

Following activities conducted by IQAC during Academic session-2020-21

CAS OF FACULTY

IQAC provided proper and deserve space to all faculties for their profession development. As part of same IQAC conducted program on CAS for to understand indicators and Procedure for CAS during academic session-2020-21. IQAC scrutinized and forwarded the applications for promotion under career advancement scheme of Dr. R.K. Jawanjale and Dr. G.D. Tambatkar to the competent authority.

WEBINAR ON INTELLECTUAL PROPERTY RIGHTS



One day national webinar on intellectual property rights jointly organized by IQAC and Library of our college on dated 6th November 2020 and 300 participants were responded to this webinar. Dr. Ms. Revati R. Khokale, Librarian and Assistant NAAC Officer Shri. Shivaji Science College, Shivaji Nagar Amravati (MH) and Mr. Vrushabh S. Dahake, Bhartiya Mahavidyalaya Amravati (MH) were present as resource persons for this webinar.

Dr. Khokale madam had guided us about IPR in details. In which he was started with definition, structure, important and procedure of IPR as well as explained various issues regarding to webinar topic. Mr. Vrushabh S. Dahake has guided us concern to Patent registration. Dr. R.E. Khadsan, principal of our college was chairperson for this webinar. Interaction session was arranged later than finishing speaker presentation. Dr. R.J. Deshmukh introduced to Dr. R.R. Khokale and Prof. Y.P. Wayal introduced to Mr. V.S. Dahake. Vote of thanks proposed by Dr. R.K. Jawanjale Librarian of our college and feedback link along with certificates was sent to participants on the end of program. This webinar conveyed by Dr. A.B. Wadekar, IQAC coordinator and Dr. R.K. Jawanjale, Librarian of our college.

ONE DAY NATIONAL WEBINAR ON CAREER ADVANCEMENT SCHEME (CAS) FOR TEACHING AND NON TEACHING STAFF



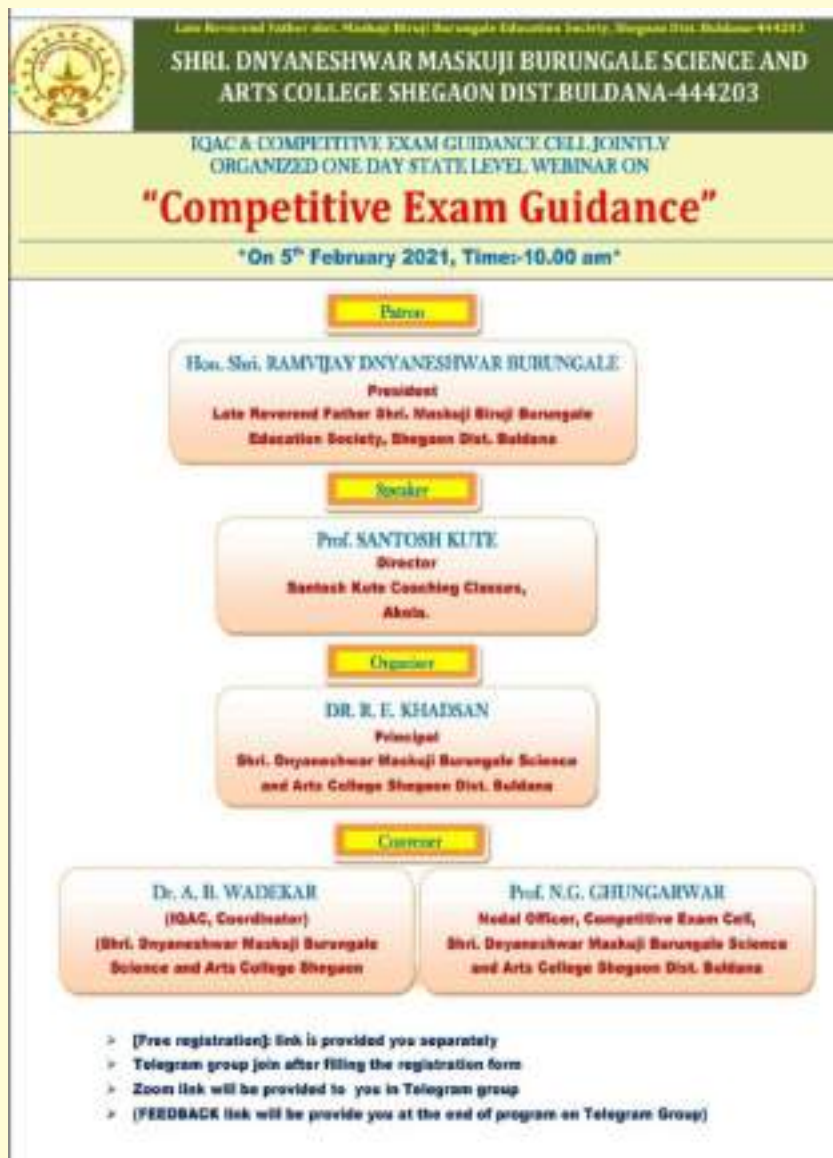
IQAC organized one day national webinar on Career Advancement Scheme for Teaching and Non Teaching Staff on dated 20th January 2021 time 12.10 pm to onward. IQAC committed to provide quality enhancements and professional development opportunities and guidance facilities to all faculty members. Bearing this mind IQAC organized this webinar on CAS. Dr.Mohan R. Kherde, Director, of Knowledge Resource Center, Sant. Gadge Baba Amravati

University Amravati was main speaker for this webinar. Sir guided us in details about CAS fundamentals, indicators and procedure later on sir responded to participants for their queries and problems occur during CAS process. Dr. R.E. Khadsan, Principal of our college was concluded to this webinar in his presidential speech. After the vote of thanks, feedback link along with certificates provided to participants. 150 participants were responded to this webinar. This webinar conveyed by Dr. A.B.Wadekar, IQAC Coordinator of our college.

PARTICIPATED IN MANAGEMENT INFORMATION SYSTEM (MIS) PORTAL OF MHRD, GOVERNMENT OF INDIA

Time to time IQAC provided called information to higher Authorities of Maharashtra state Government and Central government of India. IQAC had participated in MIS system and uploaded details college information included teaching, non-teaching staff, students and other related information to MHRD Government of India. IQAC uploaded college data to the Management Information system (MIS) portal of MHRD, Govt. of India on dated 29th January 2021.

COMPETITIVE EXAM GUIDANCE



The poster is for a webinar titled "Competitive Exam Guidance" organized by the IQAC & Competitive Exam Guidance Cell of Shri. Dnyaneshwar Maskuji Burungale Science and Arts College, Shegaon. The event took place on 5th February 2021 at 10:00 am. The poster lists the following roles and names:

- Patron:** Hon. Shri. RAMVIJAY DNYANESHWAR BURUNGALE, President, Late Reverend Father Shri. Maskuji Biruji Burungale Education Society, Shegaon Dist. Buldana.
- Speaker:** Prof. SANTOSH KUTE, Director, Santosh Kute Coaching Classes, Akola.
- Organiser:** DR. R. E. KHADSAN, Principal, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon Dist. Buldana.
- Co-Chairman:** Dr. A. H. WADEKAR (IQAC, Coordinator) and Prof. N.G. GHUNGHARWAR (Nodal Officer, Competitive Exam Cell).

Registration details:

- > (Free registration): link is provided you separately
- > Telegram group join after filling the registration form
- > Zoom link will be provided to you in Telegram group
- > (FEEDBACK link will be provide you at the end of program on Telegram Group)

IQAC and Competitive Exam guidance cell of our college organized one day state level webinar on “Competitive Exam Guidance” on 5th February 2021. Hon. Shri. Ramvi Jay Dnyaneshwar Burungale, President, Late reverend father Shri. Maskuji Biruji Burungale Education Society, Shegaon was patron for this webinar. Prof. Santosh Kute delivered his speech and guided to participants regarding to competitive exam preparation. He were suggested various tricks and methods that held to become success in

competitive exams. Dr. R.E. Khadsan was chairman of this webinar. Mr. N.G. Ghungharwar proposed vote of thanks. This webinar conveyed by IQAC coordinator and Nodal officer of Competitive Exam guidance cell, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon. 693 participants enrolled for this program.

MOTIVATION AND GOAL SETTING FOR SUCCESS

The poster is for a webinar titled "Motivation and Goal Setting For Success" organized by the Internal Quality Assurance Cell & Competitive Exam Guidance Cell of Shri Dnyaneshwar Maskuji Burungale Science and Arts College, Shegaon, Dist. Buldana-444203. The event is scheduled for 11th February 2021, from 12:00 pm to 1:00 pm. The poster lists the following individuals:

- Patron:** Hon. Shri. Ramvijay Dnyaneshwar Burungale, President, Late Reverend Father Shri. Maskuji Biruji Burungale Education Society, Shegaon Dist. Buldana.
- Speaker:** Dr. D.S. Hedao, Assistant Professor, Arts, Science and Commerce College Chikhaldare Dist. Amravati.
- Organizer:** DR. R. E. KHAOSAN, Principal, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon Dist. Buldana.
- Co-organizers:** Dr. A. B. WADEKAR, IQAC Coordinator, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon; and N.G. GHUNGARWAR, Headmaster, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon.

The poster also includes a registration link: <https://forms.gle/FrXUqKXVW7WAGou2> and a note that a certificate will be provided upon submission of feedback.

IQAC and Competitive Exam guidance cell of our college organized one day state level webinar on “Motivation and Goal Setting for Success” on 11th February 2021. Hon. Shri. Ramvijay Dnyaneshwar Burungale, President, Late reverend father Shri. Maskuji Biruji Burungale Education Society, Shegaon was patron for this webinar. Dr. D.S.Hedao was main speaker for this webinar, he delivered his speech In which sir had guided and motivated to all participants including teachers also. Sir

explored the systematic procedure for motivation and goal setting for success with the examples of various great achievers of the world. Participants were interacted with speaker. Dr. N.G. Ghungharwar expressed his gratitude on this occasion. 268 participants responded to this webinar. This webinar conveyed Dr. A.B.Wadekar and Mr. N.G.ghungharwar.

कृषी कायदे आणि शेतकरी आंदोलन (AGRICULTURAL LAWS AND FARMER AGITATION)



IQAC and Department of Political Science organized one day webinar on कृषी कायदे आणि शेतकरी आंदोलन (Agricultural Laws and Farmer Agitation) on 3rd March 2021. This program organized with special intention to understand what are the new Agricultural laws and their impact on our farmers and other Stakeholders. So with this special intension and current situation we organized this webinar. Hon. Shri. Ramvijay Dnyaneshwar Burungale, President Late Reverend Father Shri. Maskuji Biruji Burungale Education Society, Shegaon Dist. Buldana was patron of this webinar. Dr. Vinod Kondibaji

Gaikwad, Head Department of Political Science, S.G.B. Murarka Arts and Commerce College Shegaon Dist. Buldana delivered his lecture on Agricultural Laws and Farmer Agitation. In which Sir had started his speech with historical background of Agriculture development and further he was continue same topic and interpreted every aspects of new agricultural laws and policies. Sir responded to participant's queries and complications at the end of his speech. Dr. R.E. Khadsan was chairman of this webinar. Mr. R.K. Punde, HOD, Political Science expressed his gratitude beyond that feedback link shared in participants. This webinar conveyed by Dr. A.B.Wadekar and Mr. R.K. Punde. 105 participants responded to this webinar.

TWO DAYS NATIONAL CONFERENCE ON “THE EPIDEMIC CHALLENGES AND FUTURE PERSPECTIVE OF THE PHYSICAL FITNESS, YOGIC PRACTICES AND COMPETITIVE SPORTS”



On the Occasion of Dr. Bababsaheb Ambedkar Birth anniversary, IQAC and Department of Physical Education, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon and Department of Physical Education, Shripad Krushna Kolhatkar Mahavidyalaya Jalgaon Jamod Dist. Buldana jointly organised two day national conference on "The Epidemic Challenges And Future Perspective Of The Physical Fitness, Yogic Practices And Competitive Sports" on 14th-15th April 2021. Dr. Pradip Khedakr was inaugurated this conference. Dr. M.I Kureshi, Ex-Director of Phy. Edu., Devi Ahilya Vishwavidyalaya Indore (MP), Dr. Avinash Asnare, Director of Sports & Phy Edu, S.G.B.A. University Amravati (MS) and Dr. Rajesh Kumar,

Director of Phy Edu, Osmania University, Hyderabad India were present as chief guest for this conference and they were address to audience during inauguration function during conference on 14th April 2021 and Dr. R. S. Deshmukh was chairperson for inauguration function. Dr. Vithalsingh Parihar, Director of Sports & Phy. Edu., SRTM University Nanded, Prof. Makarand Joshi, Professor, MSM'S College of Physical Education, Aurangabad was delivered talks during conference on 14th April 2021 in different technical sessions. Dr. Kiran Mogarkar, Dr. Gajanan Paikat and Prof. Vinay Deole were present as Chairpersons during paper presentation session.

Dr. Ghansham Dhokarat, Associate Professor, B.P.C. A's College of Phy. Edu., Mumbai, Dr. Tanuja S. Raut, Head of Dept. Physical Education, SGBAU Amravati, Dr.C.D. Agase, Professor School of Studies in Phy. Edu., P.R. Shukla University Raipur (CG) were delivered talks during conference on 15th April 2021 in different technical sessions.

Dr. Subhash Gawande, Mr. Pramod Chandurkar, Dr. Vijayrao Vaidya, Dr.C.D. Agase and Dr. Sunil Dudhale were present as chief guests for Validictory function and Dr. R.E. Khadsan was Chairperson for this program. This Conference conveyed by Dr. P.V.Pingle, Prof. P. C. Dabre and Dr. A.B. Wadekar. All teaching and non teaching staff of our college actively involved in conference. For this conference 517 participants were enrolled. During this conference 127 research papers published in peer reviewed journal.

ONE DAY WEBINAR ASSESSMENT AND ACCREDITATION OF HEI'S BY NAAC DURING COVID-19 PANDEMIC ERA: OPPORTUNITIES AND CHALLENGES



The National Assessment and Accreditation Council is a government organization in India that assesses and Accreditate Higher Education Institutions. It is an autonomous body funded by the University Grants Commission and headquartered in Bangalore. NAAC allotted grade to institution as per their quality and progress of institution. As per NAAC guideline every year IQAC of our colleges submitted Annual

Quality Assurance Report (AQAR). To understand NAAC documentation and new NAAC framework Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon and Arts College Buldana jointly organized One day webinar on Assessment and Accreditation of HEIs by NAAC during COVID-19 pandemic Era: Opportunities and Challenges on dated 26th April 2021 time 11.00 am to 3.00pm. Dr. S.A.PINGLE, Vice-Principal & Asst. Professor S.N. Arts, D.J. Malpani Commerce & B.N.Sarda Science College, Sangamner and Dr. H.S. Chandak Professor & HoD Chemistry, G.S. S.A.C. College, Khamgaon Dist-Buldana was delivered their lectures as resource persons during webinar. Dr. Pingle was explained how can we develop E-documentation process and various issues regarding to same and Dr. Chandak was explained criteria wise indicators. Dr. R.E. Khadsan was delivered introductory speech of webinar. Dr. S.R. Bathe delivered his speech in the beginning of program. Dr. N.L. Arulkar IQAC coordinator Arts College Buldana was introduced Chairman of webinar Hon. Prin. Vishnupant Patil President, Shri. Sharad Shikshan & Yuvak Kalyan Sanstha, Chikhali Dist. Buldana and later on Hon. Vishnupant Patil delivered his speech and gave best wishes for success of this webinar. Mr. N.G. Ghungharwar introduced Dr. S.A. Pingle and Dr. G.D. Tambatkar introduced Dr. H.S. Chandak. Finally Dr. N.L. Arulkar proposed the vote of thanks. Both resource persons responded to queries and problems of participants during NAAC documentation and participants also actively participated in all session. At the end of webinar feedback link along with certificates provided to 239 participants.

PARENT-TEACHER MEET AND ALUMNI MEET

IQAC in every academic session conduct meets of stakeholders. During this academic session 2020-21 IQAC conducted Parent-Teacher Meet and Alumni Meet.

PARENT-TEACHER MEET



IQAC organized Parent-Teacher Meet on dated 5th July 2021. Dr. A.B. Wadekar, IQAC coordinator introductory speech of this meet. Dr. R.E. Khadsan, Principal, Shri. Dnyaneshwar Maskuji Burungale Science and Arts College Shegaon was Chairman for this meet in which Sir informed to all participants about admission procedure, department wise staff, Exam and Evaluation, facilities and various scheme run by college. During meeting parents were expressed their views and interacted with Teachers regarding students development. Dr. Ku. Reena Deshmukh proposed vote of thanks. For parent meet 153 parents responded. This meet conveyed by Dr. Ku. R.J. Deshmukh and Dr.A.B.Wadekar.

SSS (STUDENT SATISFACTORY SURVEY)

IQAC carried out student satisfactory survey for academic session 2020-2021. During IQAC meeting we designed plan and procedure for SSS. First upon confirmed questionnaires for this survey then circulated this form in students through e-platform (Our College website). For this survey near about 619 students were responded. Analyzed SSS helps to understand satisfaction of students.

ALUMNI MEET



We know student during pursuing education and after completing education from our college they are always valuable for us. We paid our attention to create strong College- Alumni link. Bearing this IQAC conduct Alumni meet on E-platform on dated 15th July 2021. Dr. A.B.Wadekar delivered introductory speech for this meet. Dr. R.E. Khadsan, Principal of our college was Chairman of Alumni meet. During his speech sir has flashed on various college memories and motivate to participants on this occasion. Then Alumni expressed their views and shared their experiences. Dr. P.V. Pingle, Director of physical Education expressed their gratitude during this meet. This meet conveyed by Dr. P.V. Pingle and Dr.A.B.Wadekar.

E-Convocation Ceremony 2021



IQAC of our college organized one day E-Convocation ceremony -2021 on dated 26th July 2021 for B.Sc. and B.A. pass out students of our college during academic session-2020-21. After three year education journey of hard working students reach to this event. They received degree certificate with great joy. This ceremony was so special for them. We made it special by conducting such

program at our college during COVID-19 Pandemic. Dr. S.R. Bathe, Principal, Arts College Buldana was addressed as chief guest and expressed his view on this occasion. Dr. R.E.Khadsan was chairman for this ceremony. Some students were expressed their view on this occasion and vote of thanks proposed by Dr. A.B. Wadekar, IQAC coordinator. Degree certificate distributed to all pass out students on this ceremony.

WEBINAR ON GENDER SENSITIZATION AND EQUALITY

Gender sensitization and Equality it is very crucial issue in campus and off campus also. IQAC understand the importance of this issue. Hence we organized one day webinar on Gender sensitization and Equality on dated 28th July 2021. Dr. Vishakha S. Saoji, HOD, Department of Physical Education, Government Vidarbha Institute of Science and Humanities, Amravati was chief guest and main speaker for this webinar. Madam delivered her lecture on this issue. In

which she started with historical background of mentioned title and explained in details each and every aspects and issues regarding to same. Dr. R.E. Khadsan principal of our college concluded this webinar in his presidential speech. Dr. P.V. Pingle expressed his gratitude. This webinar conveyed by IQAC coordinator. 156 participants were responded to this webinar.



FEEDBACK SYSTEM

A feedback system is crucially contributed in up gradation and enhances education quality. IQAC gave special important to feedback collection from different stakeholders and their analysis. In IQAC meeting we designed procedure for execution of effective feedback systems. First upon confirmed questionnaires for Student, Alumni, Parent and Employee feedback form, and collected it through online/offline mode then IQAC analyzed all feedbacks and took action as per result. On 31st July 2021 feedback process along with analysis completed.

WORKSHOP ON E-CONTENT DEVELOPMENT



Now a day education systems become more advance due to technology touch. Used of various technical tools is a need of current scenario. IQAC knew values of technology and their uses and tried to motivate for the used technical tools in traditional teaching methods as per current situation. Bearing this all we organized one day online workshop on E-content Development on dated 9th August 2021. Dr. Ku. Reena Deshmukh introduced to all dignitaries. Dr. Rahul K. Deshmukh, Librarian, SGRG Shinde Mahavidyalaya Paranda, Dist. Osmanabad. Dr. Deshmukh delivered his lecture on E-content development as a resource person, during lecture Sir was explained various terminologies regarding to same. Dr. R.E. Khadsan was chairman for this program. Beyond the

vote of thanks feedback link along with certificate was sent to all participants. This program conveyed by IQAC Coordinator and Librarian of our college. 150 participants responded to this workshop.

IQAC MEETINGS

IQAC committee were conducted four meetings during academic year 2020-21. For this meeting committee members responded actively. During this we discussed many items and chalked out plan and procedure for academic and administration activities during same academic year 2020-21. IQAC meeting and action taken report uploaded on college website. First meeting conducted on 13th August, 2020, second meeting on 4th December 2020, third meeting on 22nd April 2021 and fourth meeting conducted on 6th July 2021. During every meeting discussed various items and participants responded to these items and collectively chalked out plan and procedure for every academic and administrative activities. IQAC kept record of each meeting. Meeting and action taken report uploaded on college website.

INTERNAL QUALITY ASSURANCE CELL

Future Plans Of Actions For Next Academic Year

- 1) IQAC crucially focus to organize workshop, seminar, webinar and conferences for students, teachers and other supporting staff.
- 2) To motivate all staff to conduct student oriented in/off campus placements and related activities for career enhancement purpose.
- 3) IQAC initiate to enhance the skill of E-documentation of NAAC as well as E-content Development.
- 4) To organize innovation and research orientated program for students as well as teachers.
- 5) To motivate faculty members for complete their doctorate and encouraged to publish quality publication in peer reviewed journals with good impact factor.
- 6) To focus on completion of lab reorganization procedure for research in concern subjects.
- 7) To enhance the active participation in environmental friendly initiative.
- 8) To conduct more promoting activity for mental and physical development of students and faculty.
- 9) To encourage the faculty for refresher, orientation course, short term course and CAS promotion.
- 10) To organize value added courses for skill development purpose.
- 11) To increase number of Best Practices and Extension activities.



IQAC NewsLetter2020-21/Vol.1

MIS Information uploaded on 29/01/2021

Statement Showing Progress Report for Colleges			
Date: 25-Aug-2021			
Year	Module	Data Capture Form	Form Filled Status
2020-2021	Staffing Information	General details of the Office/Institute	Yes
2020-2021	Staffing Information	Details Of Courses Conducted In The Institution	Yes
2020-2021	Staffing Information	Total Approved Seats	Yes
2020-2021	Staffing Information	Details Of Approved Seats, Designation-Wise	Yes
2020-2021	Staffing Information	Details Of Approved Seats Subject Wise	Yes
2020-2021	Academic Information	Details Of Research Activities In The Institution -Phd	Yes
2020-2021	Academic Information	Details Of M.Phil Students	Yes
2020-2021	Academic Information	Details Of Student Enrollment In Different Courses	Yes
2020-2021	Academic Information	Details Of The Minority Students Enrollment	Yes
2020-2021	Academic Information	Details Of The Physically Handicapped Students Enrollment	Yes
2020-2021	Academic Information	Details Of Hostel Facility	Yes
2020-2021	Academic Information	Details Of Scholarship Availing Students	Yes
2020-2021	Academic Information	Details Of Availability Of Physical Education Facilities	Yes
2020-2021	Academic Information	Details Of Library	Yes
2020-2021	Academic Information	Details Of Physically Handicapped Students And Expenditure Thereon	Yes
2020-2021	Academic Information	Details Of Examination Results	Yes
2020-2021	Academic Information	Breakup Of Fees Received	Yes
2020-2021	Academic Information	Expenditure Status Of Plans Scheme	Yes



Webinar on Motivation and Goal Setting for Success on 11/02/2021



Webinar on Agricultural laws and Farmer Agitation on 3/3/21

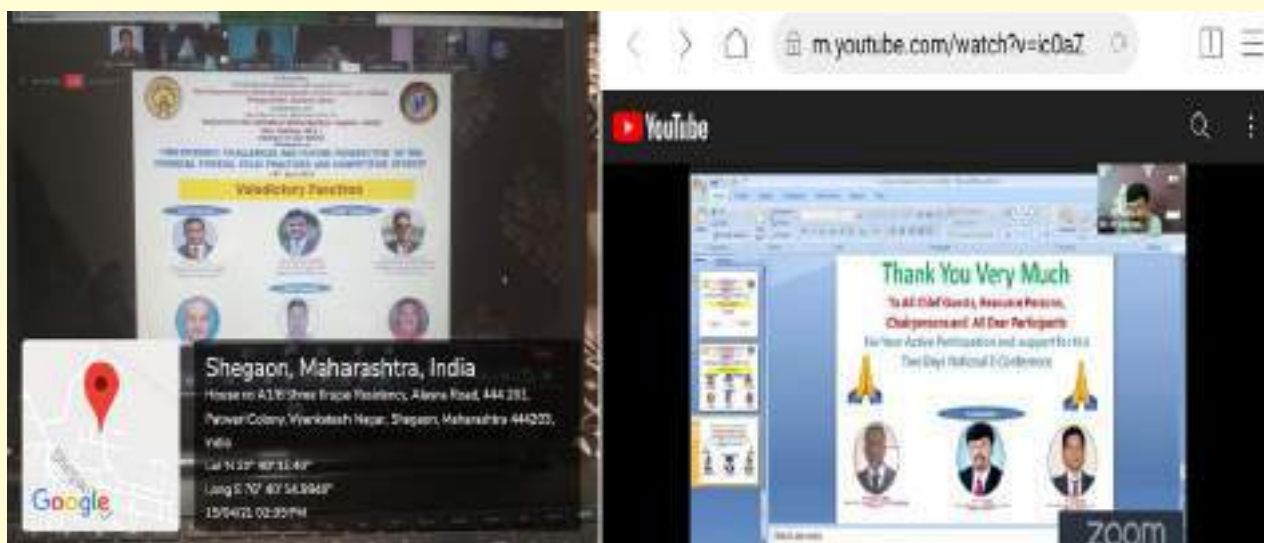


Webinar on International Women's Day on 8/3/2021



Appreciation of women's teaching Staffs on the occasion of International Women's Day on 8/3/2021





Two days National Conference conducted by IQAC and Department of Physical Education of our college and Department of Physical Education, ShripadKrushnaKolhatkar College JalgaonJamod on dated 14-15th April 2021



Online program on Assessment and accreditation of HEI by NAAC Documentation in COVID-19 Pandemic Era: Opportunities and Challenges on 26/4/2021



Parents-Teacher Meet-2021 on 5/7/2021



Online Alumni Meet-2020-21 on 15/7/2021



Online program on E-Content Development on 26/7/2021



Program on Gender Sensitization and Equality on 28/7/2021



Workshop on E-Content Development on 9/8/2021



NAAC

Participate in Student Satisfaction Survey (SSS) by NAAC

Dear Students,

NAAC (National Assessment and Accreditation Council) has endeavoured to conduct a **Student Satisfaction Survey (SSS)** the results of which will encompass the accreditation process. The Survey will capture student responses from the list of students provided by the Higher Education Institutes (HEIs). This survey is conducted directly by NAAC to give an opportunity to the students to have their say in assessment and quality improvement process.

NAAC will send online link of the survey to the email address of the student provided by the HEIs, and the student will have to complete and submit the survey in a stipulated time.



• Rate your Institution

The questionnaire is based on the Likert type scale that means the students will have to give responses on a scale of 0 to 4, with the most positive response being rated as 4 and the most negative response being rated as 0. Analysis of the survey is done using software which will aggregate the responses and generate the score of Student Satisfaction Survey which is important Key Indicator in overall grade of institution.

• Identity Not Disclosed

Students are randomly selected for the survey by system. Except particular student nobody will know which student has received the SSS email and what they have responded. Thus the students will remain anonymous throughout the process.

More details on survey are available on NAAC website <http://www.naac.gov.in/> apply-now

• Suggest Improvements

In SSS, twenty of the twenty one questions will be objective in nature, while one question is open ended to elicit observations and suggestions for improvements thereby providing an opportunity to the student to give suggestions and criticisms in their own words. The questionnaire consists of several facets of the teaching learning process.

Student Survey has 30 to 60 weightage (as per type of institution) in the scoring of institutional Grade and hence responses from students can play a critical role in determining institutional grade. It is desired that active participation of students in survey will not only empower the students but also help institutions in continuous quality improvement through student engagement.

If you have any queries, kindly contact:

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Late Reverend Father Shri Maskuji Biruji Burungale Education Society, Shegaon Dist. Buldana (R.No.F 422)

SHRI DNYANESHWAR MASKUJI BURUNGALÉ SCIENCE & ARTS COLLEGE, SHEGAON

(Accredited by NAAC with B+ Grade C.G.P.A. - 2.65)

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Internal Quality Assurance Cell

Volume 01, Issue-01

2022

JIGYASA **2022**



Jigyasa-2022 activity designed by Internal Quality Assurance Cell of our college. This is special theme base activity helps to enhance student interest toward research and scientific writing skill. Every department gives project work or field work to students along with their special guidance to them for project completion. Students were performed different experimental project work or field work and collect data. This data analyze by them and submitted work in proper writing format for publication during same academic session. Jigyasa-2022 committee collect these all project and passed through editorial board for publication.

Jigyasa-2022 Committee

SN	Name	Designation
1)	Dr. A.B. Wadekar	Coordinator & Editor
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3)	Dr. V.P. Shelke	Member
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Index

SN	Title	Page No.
1)	AUTOMATIC IRRIGATION SYSTEM BASED ON SOLAR CELL Hariom S. Gawande, Shiva S. Suralkar, Jaydeep L. Sawale, Akash G. Nane	1-3
2)	AUTOMATIC SOLAR BASED STUDY LAMP Pratiksha Hage, Vaishnavi Dhule, Vaishnavi Ghule, Punam Hajare	4-6
3)	SOLAR BASE AUTOMATIC STREET LIGHT Kanchan G. Dane, Pratiksha S. Lokhand , Vaishnavi M. Patokar and Sneha G. Shende	7-10
4)	SOLAR BASED BRIDGE WATER OVERFLOW INDICATOR Ashwini Sultane, Amruta Bute, Priya Thosar and Pratiksha Chavan	11-13
5)	SOLAR BASED TRAFFIC LIGHT SIGNAL SYSTEM Sneha D. Shegokar, Sanjivani C. Mane, Shubhangi G. Jawanjal and Vaishnavi V. Bhonde	14-18
6)	PHYTOCHEMICAL ANALYSIS OF CLEOME VISCOSA Gayatri Katole, Gunjan Ingle	19-23
7)	ACID NEUTRALIZING CAPACITY (ANC) OF PLANT EXTRACT Abhishek Gupta, Dnyaneshwar Nile, Dhiraj Maskar, Om Deshmukh, Suhas Borokar	24-27
8)	DETECTION OF ADULTERATION Nishita Santoshi, Pallavi Mankar, Jaya Mane, Vaishnavi Bathe	28-37
9)	WATER HARDNESS AND KIDNEY STONE PATIENTS FROM SHEGAON REGION Ankita R. Ingle, Vishakha G. Shegokar, Yashashri W. Giri Rasika S. Pahunkar	38-41
10)	वाचाल तर वाचाल Ku. Anamika Shrinath	42-43

AUTOMATIC IRRIGATION SYSTEM BASED ON SOLAR CELL

Hariom S. Gawande, Shiva S. Suralkar, Jaydeep L. Sawale, Akash G. Nane

Abstract:

India is the agricultural country. Farmers from the village side suffer from Load shedding problem hence the quality and quantity of the crops can be declined day by day. Keep these things in mind our project proposed solution for farmers. "Automatic irrigation system based on the solar energy" automatic irrigation system controls ON/OFF of the pump by sensing the moisture content of the soil hence there is no need of physical presence in the farm. Moreover the system uses the solar energy which is continuous renewable source of energy.

Key words: Irrigation system, Solar based irrigation system

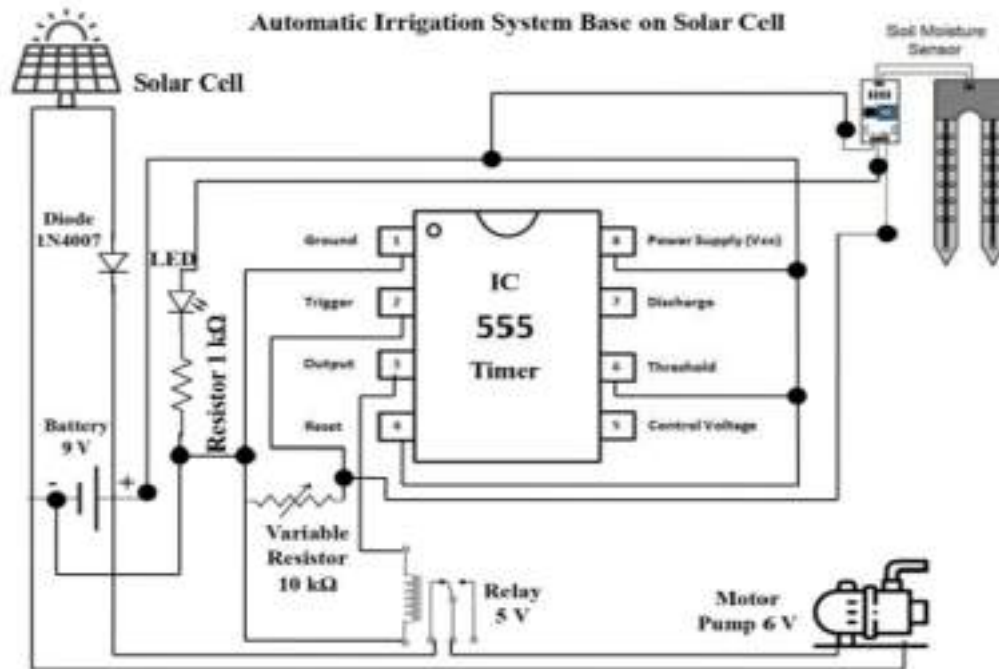
Introduction:

Nowadays, farmer in the agriculture field facing a lot of problems in pouring the water into their field to keep their crop green especially in summer season. It is because of farmer don't have any idea about the availability of technologies. They lose their precious time pumping water to spread the entire field until it gets properly watered. As a result, there is high chance plants get damage. But there is a solution here is a simple project where an automatic plant irrigation system is done that can be used in farming as well as in the home garden. This has also the ability to reduce overwatering which can prevent plants from dying. The term "Irrigation system" is mainly a way to give water to the plants. In the field of agriculture, it is very important to maintain the water level or wetness in the soil. Excess of water may damage the progress of plants which results in loss of farmers. To overcome this problem, auto irrigation system is designed. This system keeps information about the level of moisture in the soil. In worldwide mainly in village electricity is the main problem, villagers frequently don't have the electricity. In that situation, solar energy is used to give the power to water pumps. Solar powered auto irrigation system work in the sunlight. When the sun shines the water pumping process is a sensible way of solar energy use throughout the summer, as the water need is the highest. The water pump which is used will provide a reliable water source for plantation.

Methodology:

The connection of automatic irrigation system based on solar cell as shown in above figure. Solar cell is connected to the 9-volt battery and diode is connect between positive terminals of battery and positive terminal of solar cell. Connect pin number-4, pin number-6 and pin number-8 of the IC to the positive terminal of battery. Connect VCC of the soil sensor and NC (Normally Close) of the relay to the positive terminal of battery. Connect negative terminal of battery to the IC pin number-1, fixed end of Variable Resistor, and ground of the soil sensor and coil-2 of the relay.

Connect the variable end of the Variable Resistor to the pin number 2 of the IC and also connect these pin with the DC terminal of the soil sensor. Connect pin number 3 of the IC to the coil- 1 of the relay. Connect the positive terminal of the 9-volt DC motor pump to the common of the relay i.e. pin number 3 of the relay. Connect the positive and negative terminal of the soil sensor to the positive and negative of the moisture sensor pins.



Working of Auto Irrigation System Based on Solar Cell:

We all know that soil has high resistance when it is dry and low resistance when it is wet. With this simple concept, we make this automatic plant irrigation system. This irrigation system can sense the moisture from the soil and send a signal to the pump machine to pump the water and spreading the whole field. And after getting the required moisture from the ground, it sends another signal to the pump to stop watering. The working principle of this project is very easy. First, we insert two probes in the soil. These probes conduct current when the soil is wet and stop conducting when the soil is dry. So when these two probes do not conduct any current while this system detects this situation with the help of 7404 gate IC. This will become high when the input is low. The first NE555 timer will be triggered by the gate IC-555. Then the first NE555 timer triggers the second one which is connected to the output of the first NE555 timer. The second NE555 timer which is configured as an astable mode will help to switch on the pump. This 555 timer IC allows the water to flow to the soil. After getting the soil fully wet, the probes start conducting current again. Then the output of the 7404 IC becomes low, i.e. zero, which makes the first 555 timer IC becomes low. At last remaining circuit belongs to a low condition. So, the pump is automatically switched off.

Result and discussion:

The purpose of this circuit is to water the plants automatically if you forget to watering plant or you are away from home. We all know that plants need some extra attention and care. They get spoiled or die if they don't get water regularly. Everyone gets busy with their day to day work and they sometimes forget to water them so this circuit comes in helpful in these situations. In other hand if we have lack of water but we have to provide similar water to all plant we can use drip irrigation system along with automatic irrigation system based on solar cell. As result we save time by using automatic irrigation system based on solar cell as well as water by using drip irrigation.

Conclusion:

In present day's especially farmers are facing major problems in watering their agriculture fields. Here is an idea which helps not only farmers even for watering the gardens also, which senses the soil moisture and switches the pump automatically when the power is ON. As a result, the automatic irrigation system based on solar cell was successfully designed and tested using a soil moisture sensor. It was created by combining the features of all of the hardware components that were used. Every module's presence was carefully considered and placed, resulting in the best possible operation of the unit. As a result, a solar base automatic irrigation system was successfully designed and tested.

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AUTOMATIC SOLAR BASED STUDY LAMP

Pratiksha Hage, Vaishnavi Dhule, Vaishnavi Ghule, Punam Hajare

Abstract:-

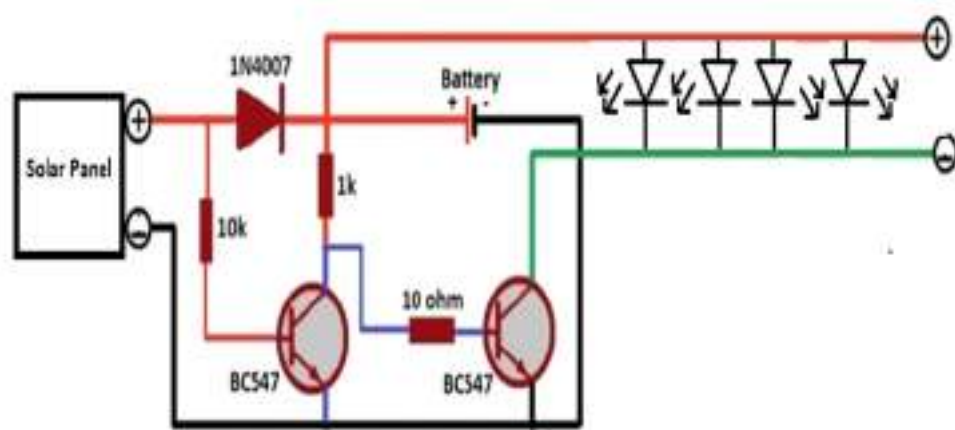
Energy sources in the world are limited and energy consumption has increased due to increase in population. Renewable energy sources are used to meet the increase in the demand for energy. Keeping this in mind in this project, we used a solar powered Study Lamp with auto intensity control. In the most states of India, rural areas suffer from load shedding of 12-14h a day. Absence of electricity for such a long time span significantly affects life of school-going children. When there no electricity access, children either don't study at all or study under a kerosene oil lamp. Children's educational performance is hampered by the absence of electricity, and kerosene lamp emits carbon monoxide which adversely affects their health. In this project we made simple study lamp using transistor which is operated on solar energy.

Keyword:- Solar, Study Lamp, Transistor, LED

Introduction: -

The one of the biggest problem for students or job worker's is load-shedding or availability of electricity in night time. The student will contribute best for world only when he is educated and availability of electricity is one of the major key factor in student and night workers life. Lack of electricity reduced performance in school, increased dropout from the school due to poor educational outcomes, if the kerosene-burning lamps are used it will increase the expenditures, kerosene lamp emits carbon monoxide which adversely effects on our health. The pollution from kerosene can cause health problems such as asthma, cataracts, heart disease, strokes, lung disease and lung cancer. The smoke and pollution released when we burn kerosene is also damaging to the environment. The solar powered study lamp works on the principle of solar cells or PV cells to absorb solar energy in the daytime and convert solar energy to the electrical energy. The converted energy is stored in the battery and the solar study lamp use solar energy. This type of lamp is utilized at night time, the lamps start automatically and it use the electrical energy which is stored in the battery. In this project, we are tried to resolve the problem in education sector by designing a study lamp based on solar energy. The solar panel is usually placed in sunlight to collect maximum energy from the sun, this energy is stored in battery. These stored electrical energy is used to light up the LED whenever required, the design basically consist of solar panel, a NPN transistor, LEDs, a battery and few resistors.

Methodology:



To construct solar study lamp we use one solar panel, one diode, three resistors, two transistors, four LED, one Battery. The construction of the project is explained as follows: Solar Panel has two terminal positive and negative, the negative terminal of solar panel is connected to the negative terminal of battery and positive terminal of solar panel is connected to the 1N4007 Diode for passing the current in one way, Cathode terminal of 1N4007 diode is connected to the positive terminal of battery and Anode terminal of diode is connected to the R1(10k) resistor simultaneously it is connected to the base terminal of transistor(T1), emitter terminal of both transistor(T1 and T2) are connected to the negative terminal of battery, collector terminal of T1 is connected to R2(1k) which is connected to the anode terminal of LED, the collector terminal of T1 is also connected to the R3(10ohm) which is connected to the base terminal of T2 and collector terminal of T2 is connected to the cathode terminal of LED.

WORKING: - Solar lights use photovoltaic (PV) cells, which absorb the sun's energy and create an electrical charge that moves through the panel. Wires from the solar cell connect to the battery, which converts and stores the power as chemical energy until it's needed. The battery later uses that energy to power an LED (light-emitting diode) bulb. DC current is passes to the battery through connecting wires and 1N4007 diode. Battery stored the electrical energy in the form of chemical energy for further use. In this project we use 2000v battery to store the energy. The resistor also serves as the current limiting resistor for the connected LEDs when the transistor is switched ON. The transistor is the only active component which is positioned as a switch for preventing the battery voltage from reaching the connected LEDs during day time. Collector and emitter terminal are internally shorted when current is apply to the base terminal, when current supply to the base terminal transistor is in ON state when we removed power supply connection transistor is in OFF state. However when dusk sets in the solar voltage begins to drop, and when it drops below the diode rating, the transistor slowly starts conducting, illuminating the LEDs gradually. With

complete absence of sun light or when its completely dark, the transistor conducts fully with the help of the 1k resistor, and produces full brightness over the LEDs. The next morning, the cycle repeats all over again.

Result and discussion:

A simple transistor and LED based study lamp has been made successfully. The lamps were working on solar energy. Such lamp very useful in ruler area where there is problems of electricity load shading. Also this will helpful to student for their study during late night. As the presented project model consume less power. Thus this will helpful to save electricity. The lamp is small in size thus it required very small space.

Conclusion:

We have so many problems in our daily life such as load-shedding, poor supply of electricity, to overcome from this problem we use solar based study lamp. Renewable energy source among all the benefits of solar panels the most important thing is that solar energy is truly renewable energy source, solar energy is clean and non polluting, it reduces electric bill, low maintenance costs, solar energy is free of cost. Mostly Solar study lamp is useful for study purpose because we can use it whenever we want. In rural areas there is major problem of electricity and our study lamp is based on solar energy so there is no need of electricity or power supply, students can easily study in the light of study lamp without any problem, and students can grow easily in educational sector. It save electricity so there is no need to pay electric bills. As our project is based on solar energy so it has no harm to nature.

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SOLAR BASE AUTOMATIC STREET LIGHT

Kanchan G. Dane, Pratiksha S. Lokhand , Vaishnavi M. Patokar and Sneha G. Shende

Abstract:

This project is based on the idea of maintaining maximum utilization and minimum loss of available energy. In present work a simple and powerful concept of Automatic Street light control system is proposed. The proposed system is used automatically switches ON light during night i.e. when the ambient light will go below the specific intensity. Further, it automatically switches OFF during the day time. This system uses a dark sensor called Light Dependent Resistor (LDR) which senses the light fall on it. The system is constructed by using timer IC 555, LDR. To enhance the utility of project we use renewable energy source i.e. solar cell. Thus in the proposed work we constructed low cost and power saving solar based Automatic Street light.

Key words: Street light, IC 555, LED, LDR, Solar cell,

Introduction:

The plenty of solar energy available during the day time is stored in a solar cell and the stored energy is used to glow the street lights during the whole night. Also the system provides a power saving mode of operation by adapting the method of automation. Nowadays, Street lighting system is an important issue should be designed well to allow users for travelling at night with good visibility in respect of safety and comfort. An efficient system ensures comfort tracking and reduces the accident during late night. On the otherhand, poorly designed lighting systems can lead to poor visibility which may not be helpful for pedestrians who are passing through that street. Street Lighting can cost about 10-38% of the total energy bill in typical cities worldwide, poor lighting creates unsafe conditions. Energy efficient technologies and design mechanism can reduce cost of the street lighting drastically. Manual control is prone to errors and leads to energy wastages as manually dimming of lights during midnight is impracticable. Also, dynamically tracking the Obstacle or vehicle is imposed by manual control. Solar street lights are raised light sources which are powered by solar panels generally mounted on the lighting structure or integrated into the pole itself. LDRs or Light dependent resistor are very useful especially in light/dark sensor circuit. It is a variable resistor whose resistance decrease with the increase in light intensity. It has a various advantage like low cost, high reliability, light weight and low power consumption. The solar panels charge a rechargeable battery, which powers a fluorescent or LED lamp during the night.

Methodology:

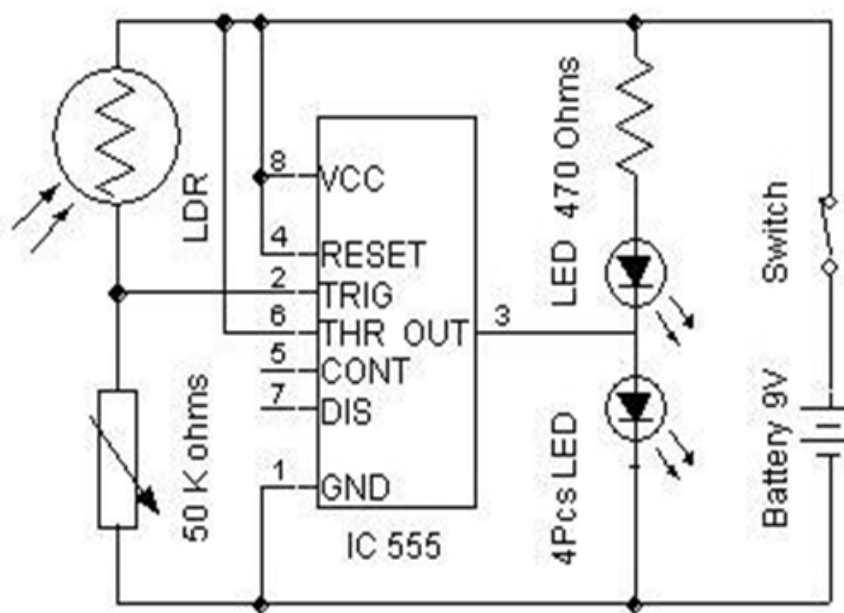


Fig 3.1 Designing of Circuit

Construction of Solar based Automatic Street light: Figure shows the solar base automatically ON/OFF street light based on the solar cell. It consists of IC 555, LDR, Battery, LED and Resistor. Here we connect the positive terminal of the 9 volt battery to the switch and from the switch the positive terminal is connected to 470 ohms resistor and this resistor is also connected to Anode of LED. The controlled output is taken across the pin 3 w.r.t ground. Here the LED is used a light source having low power consumption. This negative terminal of battery is connected to the IC555 pin1 (GND) also the connected to the 50 K Ohms variable resistor. The one end of the dark sensor i.e. LDR is connected to positive terminal of battery and Pin 2(TRIG). The one end of LDR is also connected to the pin 6(THR) of IC 555 this is also connected to the one end of 478 ohms of resistor. Pin 4(Reset) And Pin 8 (VCC) is connected to the one end of LDR and one end of resistor and this two pin 4 and pin 8(VCC) is commonly connected to each other. The rechargeable battery is connecting to the solar panel to charge during day.

Working of Solar base Automatic Street light:

The Working Principle of Solar Street Light is very simple. Photo voltaic solar cells convert the radiation of sun light into electrical energy. This conversion takes place by the use of the semiconductor material of the device. This process of energy conversion is generally called the "Photo voltaic effect". It is also known as solar cells, or "photo voltaic cells." With the help of photo voltaic solar cells made of the principle effect of solar panels during the day. The received electrical energy stored in batteries. At night when the illumination reduced to 10lux. Then Solar

cells board open the circuit voltage of about 4.5V. Then charge and discharge controller is used to detect movement of the voltage value. Charge and discharge controllers are generally used to protect the battery. This circuit uses a popular timer IC 555. The output goes high (1) when the trigger pin 2 is at lower than 1/3rd level of the supply voltage. Conversely the output goes low (0) when it is above 1/3rd level. So small change in the voltage of pin-2 is enough to change the level of output (pin-3) from 1 to 0 and 0 to 1. The output has only two states high and low and cannot remain in any intermediate stage. It is powered by a 6V battery for portable use. The circuit is economic in power consumption. Pin 4, 6 and 8 is connected to the positive supply and pin 1 is grounded. To detect the presence of an object we have used LDR and a source of light.

The solar street lights use solar energy, a form of the renewable energy. These days it is common to see the solar street lamps along the sides of roads. The solar street lights comprise of, which absorb the solar energy during daytime. The photovoltaic cells convert solar energy into electrical energy, which is stored in the battery. At the night time the lamp starts automatically and it consumes the electricity already stored in the battery. During the day time the battery gets recharged and the process keeps on repeating every day.

Result and Discussion:

In this work we have developed a complete solar based working model using LDR and IC 555 which is used to automatic ON/OFF the street light. The system can be implemented anywhere easily and as operated on the solar energy it will vanish the dependency on electricity. The cost of operating automatic solar street lights is far less when compared to the conventional street lights. The automatic street light system is eco-friendly hence helps in reducing the carbon footprint, the installation of solar street light is simple and convenient without complicated new wiring & installation, and it only needs a concrete base and a battery pit. The installation doesn't need a lot of labour forces, materials and financial resources. The solar street light converts the sunlight into electricity without electricity consumption. It produces no pollution and no radiation, which conforms to the present environmental protection concept. This project is regulated by solar charge controller; the solar street light can adjust the light intensity according to the natural brightness and people's demand. In the remote regions, the maintenance cost for traditional street light is high.

Conclusion:

The effectiveness of the proposed street light model can be considered as a best proposal from energy saving point of view. It is not only the way to save energy but also an idea to make a proper utilization of available solar energy which is radiating every day without being used. There are lower chances of the automatic street light system overheating & risk of accidents is also

minimized. Cost of operating automatic solar street lights is far less when compared to the conventional street lights. The automatic street light system is eco-friendly & hence helps in reducing the carbon footprint.

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SOLAR BASED BRIDGE WATER OVERFLOW INDICATOR

Ashwini Sultane, Amruta Bute, Priya Thosar and Pratiksha Chavan

Abstract

Now a days during rainy season due to flow of river water over bridge causes many accident. Especially during night due to dark many people travel over bridge and due to flow of water over bridge they may flow with their vehicle with water. Thus it is dire need to get a signal of water flow over bridge. By considering such a necessity to avoid the accident during flow of water over bridge we propose a system which alerts river overflowing over bridge the people thorough buzzer or RED light indicator. The proposed work presented a simple river water flow over the bridge alert system. The proposed system is constructed by using IC 555 timer. A buzzer is used to indicate the flow of water over the bridge. Thereafter by considering energy saving necessities here the system is operated on a reachable battery which is charge by using solar panel. Such a low cost, power saving and simple system will be used to avoid accident occurs during rainy season due to river overflowing over bridge.

Key word:- IC 555, Solar cell, Buzzer, LED

Introduction: -

During the extreme weather events like heavy rains or flood situation the rivers are overflowing over bridge. During flood the water flows with very high speed and forcefully. During the water overflow over bridge it is very dangerous to cross the bridge. To cross the bridge may cause to flow the human being and heavy vehicles due to high force of water. This leads to the serious issues. In India every year during rainy season we are facing such problems. Thus there is need to overcome this problemthere must be an alarm system to avoid the above mentioned incidents. From literature survey it is observed that a water level indicator is a great way that makes a sound whenever the water level reach at a particular level. The Water Level Indicator employs a simple mechanism to detect and indicate the water level. We know that water conducts electricity, the Water level indicator works upon this fact. So water can be used as a medium to open or close a circuit. Further using time IC 555 the water level indicator makes efficient and effective. Through the buzzer or red light indicator is controlled by using such system. Through this proposed work we developed a system used to alert the river water overflow over the bridge to the people. Such alert will very helpful to avoid the incident due to river overflowing over bridge.

Methodology:

Simple water overflows Indicator circuit using IC (NE-555) is shown above in figure which shows the internal construction of water overflow indicator circuit. In present circuit the IC 555 is operated as a stable multi vibrator. From figure the circuit uses three register, one capacitor, Buzzer, LED and the solar panel. In addition, there are three resistor R1 and R2 are connected in Series with 1k and 100 k register. The one probe which senses the water level is connected to the positive terminal of battery and the second probe is connected to the pin 7 of IC through the 1k resistor. The capacitor C1 is connected in between pin 2 and ground. The output pin which pin no.3 is used for getting output and connected with negative terminal of the Buzzer at any instant its value is low or high here the Buzzer and LED are connected in parallel the buzzer will beep to indicate. The presence of water up to the level of the sensing probes and Resistor R3 is which 330 ohms is.

Working: -

The Water level indicator alarm circuit using IC 555 will produce an audible alarm when the water level reaches a present level. The circuit can be powered of a 3V battery and is very handy to use. The circuit is based on an a stable multivibrator wired around IC (NE-555).The operating frequency of the a stable multi vibrator here will depend on capacitor C1, resistances R1, R2 and the resistance across the probes A&B. When there is no water up to the probes, they will be open and so the multi vibrator will not produce oscillations and the buzzer will not beep. When there is water up to the level of probes, some current will pass through the water, the circuit will be closed to some extent, and the IC will start producing oscillations in a frequency proportional to the value of C1, R1, R2 and the resistance of water across the probes. The buzzer will beep to indicate the presence of water up to the level of the sensing probes. The two probes which are shown in the circuit should be kept at the high level for the water. The distance between the probes should be less than a few centimetres to ensure that the conduction between the probes will take place when water is touched to these probes when there is no water in the tank, all the LEDs are off as an indication that there is no water on the bridge. If the water is not up to the level of probes than the open circuit. Thus, there is no sound produced by the circuit. If the water level reaches the probes then the current flows in the water, hence the sound is produced by the buzzer.

Result and discussion:

In this Project we have successfully constructed the Solar Based Water overflow over bridge alert system by using IC-555. Further the circuits were operated by rechargeable battery charged using solar panel in order to save electricity. The simple mechanism of circuits used to

detect and indicate the water overflow over the bridge. When the water on the bridge red LED glow and buzzer get ringing. With the help of this project we can avoid the accident especially at night and we use this project for bridge but we can also utilize this application in home appliances for the tank overflow.

Conclusion:

By using this simple arrangement of circuit we can avoid the accidents and solve the problems during the rainy seasons when the bridge is overflow. This is a simple model water level indicator which can be made at your home. We conclude that this system is beneficial when the bridge is overflow it helps to avoid the accident at night. We can also use this project for the other application like in water tank overflow indicator in home, office, factories etc.

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SOLAR BASED TRAFFIC LIGHT SIGNAL SYSTEM

Sneha D. Shegokar, Sanjivani C. Mane, Shubhangi G. Jawanjal and Vaishnavi V. Bhonde

Abstract

The work describes a design approach to solve the heavy traffic problem. Through this work we developed a low cost and simple model of Traffic light controller. The proposed system is designed based on counter which mainly used in sequential circuits are used to count the number in series. In addition the time IC 555 is acts a pulse generator providing an input to the 4017 counter IC. The complete circuit was operated on solar cell based rechargeable battery. The proposed system will be very useful to manage the traffic and avoid vehicular collision. The solar sell base circuit also will helpful to save the energy.

Key word: Traffic light, Solar cell, IC 555, IC Cd4107

Introduction:

Traffic Signals, also known as traffic lights, traffic Lamps, Signal Lights, stop lights and also Known Technically as Traffic control signals are signaling devices positioned at road intersections, pedestrian crossings and other locations to control competing flows of traffic. Traffic lights, developed since 1912, are signaling devices that are conceived to control the traffic flows at road intersections, pedestrian crossings, rail trains, and other locations. Traffic lights consist of three Universal colored lights: The Green Light allows traffic to proceed in the indicated direction, The Yellow Light warns vehicles to prepare for short stop, and The Red Signal prohibits any traffic from proceeding. The world's first traffic light Signal installed at an intersection in London in 1868. On January 2, 1869, this crude traffic light exploded, injuring the policeman who was operating it. After the coming of automobiles, the situation got even worse. Police Officer William L. Potts of Detroit, Michigan, decided to do something about the problem. What he had in mind was figuring out a way to adapt railroad signals for street use. The railroads were already utilizing automatic controls. But railroad traffic travelled along parallel lines. Street traffic travelled at right angles. Potts use red, amber, and green railroad lights and about thirty-seven dollars' worth of wire and electrical controls to make the world's first 4-way three colour traffic light. It was installed in 1920 on the corner of Woodward and Michigan Avenues in Detroit. Within a year, Detroit had installed a total of fifteen of the new automatic lights. At about the same time, Garrett Morgan of Cleveland, Ohio realized the need to control the flow of traffic.

The traffic jams are the common problem in most of the city in the world. The one of the main cause of this problem is accident. The government has carried out a few rules to overcome this

problem. Beside take the punishment to all the traffic offenders, the traffic lights have been made at the location that high risk in accident. However, increasing the numbers traffic lights have contributed some contra issues/problems increasing the number of vehicle in road, have cause the heavy traffic jams. This happened usually at the main junctions commonly at the morning, before office hour and at the evening, after the office hour. Aim of this project is to make a traffic signal that works on Solar cell, which works automatically and save electricity.

Methodology:



Figure 1: Road traffic

Designing Of Circuit:

This project consists of IC 555 timer, Decade counter 4017 IC, 1N 4007 diode, Resistor, Variable resistor, Capacitor, Red, Yellow and green LED's, Printed circuit board (PCB), Solar cell and Battery. Here dc electric supply is generated by the solar cell is used as power provider for our circuit. IC 555 timer works as an a stable multivibrator mode and produces pulses as output. We can change the time period of the output pulse by changing the value of R1, RE and C1. Here we have replaced the R1 resistance with a potentiometer (VR1). So we can change the time period of the output pulse by rotating the potentiometer knob. So, the 555 timer IC acts as a square wave generator and generated clock pulse. IC555 pin 3 is connected with R2, and pin 8 is VCC power supply and pin 4 is reset, then pin 7 connected between R1 and variable resistor and pin 6 and pin 2 connected with variable resistor then pin 1 is connected to ground. This input can change the shifting time of the traffic light (LEDs) and the decade counter 4017 IC pin 13 and pin 15 are connected to the ground and decade counter 4017 IC pin 14 is connected to the R2 .The timer IC biased with 9volt power supply, the green red and yellow LED output control by discharge pin , VCC supply for this IC provides through output and timer elements of timer IC 555 by varrying VR1 and VR2 variable resistor we can vary the time delay between LEDs, here timer IC

control voltage pin 5, LED arrangements of traffic light is shown in circuit diagram.

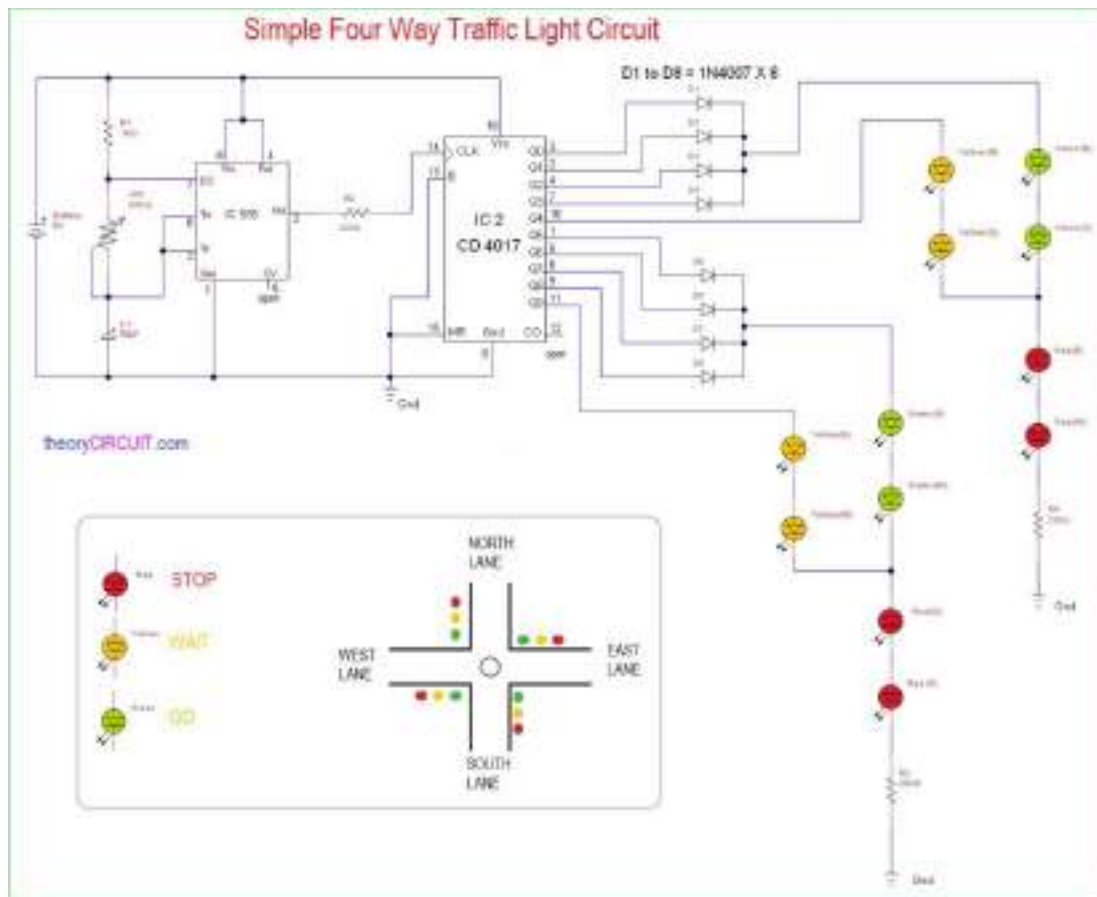


Figure 2: Circuit Diagram of simple traffic light control system

This simple four-way traffic light circuit has two stage one is timing and second is counting stage another one is indication lights stage. Those indication lights are should be properly placed on four ways. Here timer IC 555 placed with timing Resistor R1, VR1 these pulse are decides the timing interval of traffic light signal. Output pulse from timer IC is fed into Counter IC CD4017 clock input through R2 Resistor. Counter IC output Q0 to Q3 will drive Green signal for North & South Lane, Red signal for East & West ways. Output Q4 drives Yellow signal for North & South ways. Output Q5 to Q8 will drive Green signal for East & West Lane, Red signal for North & South ways. Output Q9 drives Yellow signal for East & West ways.

Working of Solar Based Traffic Light Signal:

The solar traffic signal is powered by solar panels, which is fast to install and easy to move. It is suitable for newly built intersections with large traffic flow and urgent need for new traffic signals. It can meet the needs of emergency power failure, power restriction and other emergencies. Coming to the working principle of traffic light, the main IC is 4017 Counter IC which is used to glow the red, yellow and green LEDs respectively. 555 timer act as a pulse

generate providing and input to the 4017 Counter IC. Timing of glow certain lights totally depends upon the 555 timer's pulse, which we can control via the potentiometer so if you want to change the time of glow, you can do so by varying the potentiometer, having the responsibility for the timing. LEDs are not connected directly with 4017 Counter, as the lights won't be stable. We have use the combination of 1N4007 diodes and the LEDs in order to get the appropriate output. This circuit is that you can never have an exact timing with this, however you will have based estimated. The solar panel receives the sun light to generate electricity, and the controller of which is used for battery charging. The controller has function of preventing inverted connection, inverted charging, excessive discharge, overcharging and overloading and automatic protection for short circuit, boasting features such as automatic identification of day and night, automatic detection of voltage, automatic storage battery protection, easy installation and no pollution. The battery discharge electricity to the signal machine, transmitter, receiver and signal light via the controller. The 1N4007 is a rectifier diode, designed specifically for circuits that need to convert alternating current to direct current .The 555 IC is an integrated circuit used in a variety of timer, delay, Pulse generation and oscillator application. They work with a stable multivibrator.

Result and Conclusion:

Simple, low cost and energy saving automatic traffic controlled system is developed successfully by using timer IC 555. The proposed system will be used to overcome the problem of traffic jam on intersection at the traffic signal system. Here the first objective is developing priority based signaling which helps to give priority to emergency vehicles in the road. This approach is used to control the traffic smoothly. It is also healthful to overcome the traffic jam problem and avoiding the accident. The ready demo project model is shows in figure 3



Figure 3 model of solar based traffic light system

Conclusion:

The developed traffic control system will be helpful to avoid the accidents and solve the problems of heavy traffic. We conclude that this system is beneficial in metro cities where there is a serious problem of heavy traffic. The effectiveness of the proposed system can be considered as a best proposal from energy saving point of view. The proposed system is very efficient and low cost thus this will very effectively have implanted in for traffic controlled purpose.

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PHYTOCHEMICAL ANALYSIS OF CLEOME VISCOSA

Gayatri Katole, Gunjan Ingle

Abstract

The pharmacological studies have shown that CV possesses various notable biological activities such as anthelmintic, antimicrobial, analgesic, anti-inflammatory, immunomodulatory, antipyretic, psychopharmacological, antidiarrheal, and hepatoprotective activities. A wide variety of phytoprinciples have been isolated from the plant. The present review is an effort to consolidate traditional, ethnobotanical, phyto-chemical, and pharmacological information available on *C. viscosa*.

Key words:- Phytochemical analysis, *Cleome Viscosa*, Medicinal Plant.

Introduction

Cleome viscosa), commonly known as "wild or dog mustard," is an annual, sticky herb found as a common weed all over the plains of India and throughout the tropics of the world. The whole plant and its parts (leaves, seeds, and roots) are widely used in traditional and folkloric systems of medicine. In traditional systems of medicine the plant is reported to possess beneficial effects as an anthelmintic, antiseptic, carminative, antiscorbutic, sudorific, febrifuge, and cardiac stimulant. Following the various traditional claims for the use of *C. viscosa* (CV) as a cure of numerous diseases, considerable efforts have been made by researchers to verify its utility through scientific pharmacological screenings. *Cleome viscosa* (CV) (*icosandra* Linn.) is a weed distributed through-out the tropics of the world and the plains of India (Nadkarni, 1982). The plant is an annual, sticky herb with a strong penetrating odor, and is clothed with glandular and simple hairs. It grows about 30- 90 cm high and is branched. The leaves are 3-5 foliate, obovate, and obtuse, gradually becoming shorter upward. The flowers are yellow, axillary, growing out into a lax raceme. The fruits are capsules, compressed and hairy throughout, while the seeds are finely transversely striate, subglobose, and become brownish-black when ripe (Vaidyaratnam, 1994). CV is known by various names such as wild mustard, dog mustard, and sticky cleome. In India, the plant is known by various vernacular names such as Hul-Hul, Pashugandha, Pivala tilvana, Kanphuti, and Talwani. The plant is a popular remedy for a variety of ailments as documented in ethnobotanical surveys and traditional systems of medicine, such as Ayurveda and Unani (Chatterjee & Prakash, 1991).

Methodology:



Cleome viscosa

Historical Background

Botanical Name: *Cleome viscosa* L.

Common Name: Pili Talavani, Talavani

Plant Family: Capparaceae or Capparidaceae

Plant Form: Herb

Occurrence (Special Areas): Gujarat Forestry Research Foundation, Indroda Park, SaritaUdyan, Van Chetana Kendra, Basan

Habit: An annual erect herb having tap rootsystem.

Stem: Erect, well branched, herbaceous, green, solid and pubescent.

Leaves: Ramal and cauline, alternate, exstipulate, palmately compound, tri- to pentafoliate, petiolate but pinnae are sessile, ovate-lanceolate, hairy, acute, multicostate reticulate venation.

Inflorescence: Racemose raceme.

Flowers: Bracteate, pedicellate, complete, hermaphrodite, actinomorphic, tetramerous, hypogynous, generally yellow coloured with very long pedicel. Calyx composed of 4 sepals, polysepalous, valvate, sepals arranged in two whorls of two each

Material and Method:

Cleome Viscosa leaves were collected, cleaned and washed with distilled water and air dried. Leaves of cleome viscosa were collected from field and garden. Fresh Cleome viscosa leaves were taken and washed with tap water for removing unwanted dust particles and then dried in shed for 2

to 3 days at 37° C. For making its aqueous solution, powder extract was added in distilled water for overnight

Qualitative Evaluation of Plant Extracts for Photochemical

The extracts were subjected to preliminary qualitative phytochemical screening for the presence of various phytoconstituents following the standard methods.

1. Test for alkaloids: 2 ml of filtrate was taken and followed by addition of 1% HCL. Creamish color indicated the presence of alkaloids.
2. Test for phenols : 2 ml of filtrate was taken in test tube and 1 ml of 1% FeCl₃, added to it. Brown haziness indicated the presence of phenols.
3. Test for tannins: 2 ml of filtrate was taken followed by addition of 2 ml of FeCl₃, Brownish color indicated the presence of tannins.
4. Test for terpenoids:
5 ml of each extract was mixed in 2 ml of CHCl₃, and concentrated H₂SO₄, (3 ml) was carefully added to form a layer. A reddish brown coloration at the interface was formed to show the positive result for terpenoids.
5. Test for nitrogen: Take 0.5 ml sodium fusion extract add freshly prepared FeSO₄, boil, cool and add excess of dilute H₂SO₄ to it. Blue color indicates the presence of nitrogen.
6. Test for Sulphur: Take 0.5 ml of sodium fusion extract add 1-2 drops of sodium nitroprusside solution. Purple color indicates presence of Sodium.
7. Test for N and S: 0.5 ml of sodium extract was mixed with dil HCl add 1-2 drops of freshly prepared FeCl₃ solution. Blood red color indicates the presence of Sulphur and nitrogen.
8. Test for flavonoids: 5 ml of diluted NH₃ solution was added to a portion of the filtrate of plant extract followed by addition of concentrated HCl. Yellow color indicated the presence of flavonoids.
9. Test for saponins: 1 ml of filtrate was mixed with 5 ml of distilled H₂O and shaken vigorously for a stable froth. The persistence of frothing indicated the presence of saponins.
10. Test for Coumarins: 3 ml of 10% NaOH was added to 2 ml of aqueous extract formation of yellow colour indicates the presence of coumarins.
11. Test for Leucoanthocyanins: 5 ml of aqueous extract added to 5 ml of isoamyl alcohol. Upper layer appears red in colour indicates for presence of leucoanthocyanins.

Table-1- Phytochemical analysis of CV.

SN	Test	Observation	Inferences
1	Test for Alkaloids	Cremish Colour	Alkaloids present
2	Test for Phenols	Brownish Colour	Phenol present
3	Test for Tannins	Browinsh colour	Tannins present
4	Test for Terpenoids	Reddish colour	Terpenoids present
5	Test for Nitrogen	No change	Nitrogen absent
6	Test for Sulphur	No change	Sulphur absent
7	Test for Sulphur and Nitrogen	No change	Both absent
8	Test for Flavonoids	Yellow colour	Flavonoids present
9	Test for Saponins	Persistence of frothing	Saponins present
10	Test for Coumarins	Yellow colour	Coumarins present
11	Test for Leucoanthocyanides	Red colour	Leucoanthocyanides present

Result and discussion:-

Phytochemical analysis conducted on the plant extracts revealed the presence of constituents which are known to exhibit medicinal as well as physiological activities. During this study analyzed phenols, tannins, flavonoids, saponins, glycosides, steroids, terpenoids, and alkaloids. The phenolic compounds are one of the largest and most ubiquitous groups of plant metabolites. They possess biological properties such as antiapoptosis, antiaging anticarcinogen, antiinflammation, antiatherosclerosis, cardiovascular protection and improvement of endothelial function, as well as inhibition of angiogenesis and cell proliferation activities. Several studies have described the antioxidant properties of medicinal plants which are rich in phenolic compounds. Natural antioxidant mainly come from plants in the form of phenolic compounds such as flavonoid, phenolic acids, tocopherols etc. Tannins bind to proline rich protein and interfere with protein synthesis. Flavonoids are hydroxylated phenolic substances known to be synthesized by plants in response to microbial infection and they have been found to be antimicrobial substances against wide array of microorganisms in vitro. Their activity is probably due to their ability to complex with extracellular and soluble proteins and to complex with bacterial cell wall. They also is effective antioxidant and show strong anticancer activities. The plant extracts were also revealed to contain saponins which are known to produce inhibitory effect on inflammation. Saponins have the property of precipitating and coagulating red blood cells. Some of the characteristics of saponins include formation of foams in aqueous solutions, hemolytic activity, cholesterol binding properties and bitterness. Steroids have been reported to have antibacterial properties and they are very important compounds especially due to their relationship with compounds such as sex hormones. Alkaloids have been associated with medicinal uses for centuries and one of their

common biological properties is their cytotoxicity. Several workers have reported the analgesic, antispasmodic and antibacterial properties of alkaloids. Glycosides are known to lower the pressure according to many reports. The results obtained in this study thus suggest the identified phytochemical compounds may be the bioactive constituents and these plants are proving to be an increasingly valuable reservoir of bioactive compounds of substantial medicinal merit.

Conclusion:-

The extracts of leaves showed the presence of important secondary metabolites which have tremendous medicinal values. Thus, the use of this plant in ayurvedic system of medicines can be correlated with the modern-day science which is based on phytoconstituents. Thus, it can be concluded that the leaves of *C. viscosa* are a potential source of biologically active chemical constituents. Further studies can also be taken up to investigate the lead compounds of pharmaceutical importance from the plant. Thus, it can be concluded that the leaves of *C. viscosa* are a potential source of biologically active chemical constituents. Further studies can also be taken up to investigate the lead compounds of pharmaceutical importance of the plant.

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ACID NEUTRALIZING CAPACITY (ANC) OF PLANT EXTRACT

Abhishek Gupta, Dnyaneshwar Nile, Dhiraj Maskar, Om Deshmukh, Suhas Borokar

Abstract:

Medicinal plants are present in over environment and these are used against to various types of diseases. Hence present scheme of this study To Determine the Acid Neutralizing Capacity (ANC) of plant extracts. In this work 6 important medicinal plants are used, these are easily available in surrounding area and used in daily life such as Curry Tree (Sweet Neem), Azadirachta (Neem Tree), Betel, Mentha (Podhina), Cymbopogon citratus (lemon grass) and Tridax Procumbens. Volumetric technique is used to measure neutralizing capacity during experiment.

Key word: ANC, plant extract, medicinal plants.

Introduction

Herbal medicine has a long history in treatment of several diseases¹. Medicinal herbs are used to treat illness, maintain and promote health². According to the World Health Organization (WHO), 80% of the world population use natural resources in healthcare mainly based on plants and plant extracts³. Gastric Acidity in the form of heartburn, flatulence, dyspepsia, etc. is a common disorder seen to affect a vast number of people all over the world. Gastric Acidity is formed due to Excessive secretion of stomach acid, HCl and it can inflame the stomach and cause ulcers⁴. Antacids provide a symptomatic relief from these symptoms by neutralizing the excess gastric acid upon oral administration. Acid neutralizing capacity (ANC) is the most commonly used measure to express potency of an antacid. Various known artificial antacids are commonly used to treat hyperacidity. Despite this, drugs obtained from the plant kingdom may serve as useful sources in the development of new natural antacids⁵. According to Food and Drug Administration; antacids are medicines that neutralize stomach acids. Antacids work by either increasing the pH, neutralizing acidity, or by lowering or blocking The secretion of acid by gastric cells to reduce acidity in the Stomach⁶. The controversies related to the regular use of antacids and the numerous studied side effects lead one to think of alternative Approaches to finding the solution for the problem of acidity that affects millions daily. Several natural antacids have been in use since time immemorial in Indian homes and most of them are common kitchen ingredients and pose no threat of any adverse effects⁷. The present study on determine acid neutralizing capacity of different plants.

Plants	Chemicals	Ingredients	Medicinal Used
Curry Tree (Sweet Neem)	Linalool, geranyl acetate, oxygenated monoterpenes, elemol, myrcene, allo-o-cimene, e-terpinene	Vitamin A, vitamin B, vitamin C, vitamin B2, calcium, and iron.	Treatment of anaemia, diabetes, indigestion, obesity, kidney problems, hair and skin problems.
Azadirachta (Neem Tree)	nimbin, nimbanene, 6-desacetylnimbinene, nimbandiol, nimbolide, ascorbic acid, n-hexacosanol and amino acid, 7-desacetyl-7-benzoylazadiradione, 7-desacetyl-7-benzoylgedunin, 17-hydroxyazadiradione and nimbiol [Protein (7.1%), carbohydrates (22.9%), minerals, calcium, phosphorus, vitamin C, carotene etc	anthelmintic, antifungal, antidiabetic, antibacterial, contraceptive, and sedative.
Betel	Terpinine, P-cymene, carvacrol, chavicol and its derivatives, allyl catechol, eugenol, estragol, oxalic acid, malic acid and amino acids.	vitamins like vitamin C, thiamine, niacin, riboflavin and carotene and are a great source of calcium	lowering high blood glucose levels and aids in the management of diabetes mellitus
Mentha (Podhina)	Terpene alcohol called menthol or peppermint camphor, or 2-isopropyl-5-methylcyclohexanol,	Potassium. Magnesium. Calcium. Phosphorus. Vitamin C. iron. vitamin A.	Antimicrobial, carminative, stimulant, antispasmodic and for the treatment of various diseases such as headaches and digestive disorders
Cymbopogon citratus (lemon grass)	Terpenes, alcohols, ketones, aldehyde and esters.	Minerals in lemongrass include calcium (3 mg), potassium (34 mg), manganese (0.2 mg), magnesium (2.9 mg), and iron (0.4 mg). Lemongrass also provides certain vitamins (in very small amounts) including, vitamin A, vitamin C, folate, and niacin	digestive tract spasms, stomachache, high blood pressure, convulsions, pain, vomiting, cough, achy joints (rheumatism), fever, the common cold, and exhaustion. It is also used to kill germs and as a mild astringent.

Methodology:

All freshly prepared solutions are used during this work. Prepared 0.1 N standard solution of oxalic acid then standardized to NaOH solution. Standardized NaOH solution used to standardized HCl solution and through the back titration find out concentration of HCl neutralized by plant various extracts. And determine neutralization capacity of medicinal plant extracts. Obtained data tabulated in following tables.

SN	Solution	Concentration	
		(Prepared)	Experimental
1	Oxalic Acid	0.1	--
2	NaOH	0.1	0.12
3	HCl	0.1	0.11

Result and Discussion:

$N_1V_1 = N_2V_2$ this equation used to determine concentration of various liquid solution N_1 is a normality of standard solution, N_2 is normality of other solution (whose standardization carried out), V_1 is volume of standard solution, and V_2 is the volume of NaOH required for reaction completion.

Table-1: Volumetric analysis of various plant extracts.

Sr. No	Plant solutions extract	Volume of known Oxalic Acid (0.1 N)	Volume of NaOH required in ml			Mean
1.	Curry Tree (Sweet Neem)	10 ml	11	10	9	10
2.	Azadirachta Indica (Neem Tree)	10 ml	12	11	10	11
3.	Betel	10 ml	14	10	12	12
4.	Mentha (Podhina)	10 ml	9	7	8	8
5.	Cymbopogon citrates (lemongrass)	10 ml	10	11	10.5	10.5
6.	Tridax Procumbens	10 ml	6	8	7	7

Table-2:- Acid Neutralization capacity of Plant extracts.

SN	Plant extract solutions	Volume of known Oxalic Acid (0.1 N) ml	Vol. NaOH ml	Conc. Of Plant Extracts	(N3-N4)
1	Curry Tree(Sweet Neem)	10	10	0.09	0.03
2	Azadirachta Indica (Neem Tree)	10	11	0.099	0.021
3	Betel	10	12	0.108	0.012
4	Mentha (Podhina)	10	8	0.072	0.048
5	Cymbopogon citrates (lemongrass)	10	10.5	0.0945	0.0255
6	Tridax Procumbens	10	7	0.063	0.057

Results and Discussion

Table -1 reveals information about the titration data of plant extracts and table-2 shown acid neutralizing capacity of various plants extracts. As above observation table the acid neutralizing capacity of Tridaxprocumbens plants is higher than other and the acid neutralizing capacity of menthe plant is less than other .Curry tree and azadirachta indica tree are plants are nearly similar acid neutralizing capacity. Normality of plants extract is nearly equal in curry tree and Azadirecta.

Conclusion:

In market various Antacids are available. But they have various synthetic chemicals. They neutralized acidity but after some time due to regular used they will be suffer by various side effects. But during present work determined antacid properties of various plant extracts. In which Tridax Procumbens have good antacid property as compared to other plant extract. so in place of synthetic drugs we can use such type of plant extract that will be very good for human health.

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DETECTION OF ADULTERATION

Nishita Santoshi, Pallavi Mankar, Jaya Mane, Vaishnavi Bathe

Abstract:

Present study on "detection of food adulterants in chili powder, turmeric powder, sugar, butter, milk and jagerry using physical and chemical methods, which are essential for our daily life." In our country, food adulteration is encountered at the household level and food service establishments. Non-permitted colors are most common additives to foods. We study food adulterant comparatively using adulterant as well as pour sample. This study is attempted to bring in awareness to the public about important subject of food adulteration and various simple methods available to detect food adulteration.

Key word:- Adulteration, physical and chemical methods.

Introduction

Adulteration was first investigated in 1820 by the German chemist Frederick Accum, who identified many toxic metal colorings in food and drink. His work antagonized food suppliers, and he was ultimately discredited by a scandal over his alleged mutilation of books of the Royal Institution library. Adulteration is an addition of another substance to a food item in order to increase the quantity of the food item in raw form or prepared form, which may result in the loss of actual quality of food items. We select the detection of food adulteration, because adulteration in food is often present in its most crude form as a prohibited substance is added partially. Adulteration is added in food for various reasons which include financial gain, carelessness, selling, hygiene processes, storing, and transportation. Therefore the consumer is either fooled or usually becomes a victim of disease. In backward or developing countries, food adulteration of such a kind is seen. It is essential for consumers to be aware of common adulterants and their effect on health. Market has high numbers of producers also food is imported in large amount.

Methodology:

All chemicals used through this work are freshly prepared. And as per standard procedure prepared solution and standardised before used. Samples were collected from market as well as some from home. Carried out various tests to check adulterations in different daily life products. During this study analyzed to check artificial colour, Dust, Chalk powder or yellow soap stone powder, Metanil yellow, Artificial colour and brick powder, Soapstone, Rodamine B, Oil soluble coal tar, Washing soda, Vegetable oil, Vanaspathi, Urea, Foreign resin, Sugar and so on.

A) Powder

Test

- 1) Artificial colour 2) Dust 3) Chalk powder or yellow soap stone powder
- 4) Metanil yellow
- 1) Artificial colour

Procedure

- i. Add a one teaspoon of turmeric powder in a glass .
- ii. Then add a glass of water.
- iii. Natural turmeric powder leave light yellow colour.
- iv. While it settling down.
- v. Adult turmeric powder leave strong yellow colour.

Detection: The turmeric powder leave strong yellow colour, it is adulterant.

2) Dust

Procedure

- i. Take a teaspoon of turmeric powder.
- ii. Add the turmeric powder in a beaker. Then add the water in it.
- iii. The dust will float at a surface of water.
- iv. While the dust is settle down in the bottom.

Detection: The dust is settling down in a beak, it is adulterant.

3) Chalk powder or yellow soap stone colour

- i. Take a small quantity of turmeric powder in a test tube.
- ii. Add small quantity of water in a test tube.
- iii. Then add few drops of concentrated Hydrochloric acid.
- iv. Effervescence of bubbles indicates presence of chalk powder or yellow soap stone powder.

Detection: The bubbles are not form in a test tube, it is indicated chalk powder or yellow soap stone are not present, it is not adulterant.

4) Metanil yellow

Procedure

- i. Take a teaspoon of turmeric powder in a test tube
- ii. Add a few drop of concentrated hydrochloric acid in a test tube.
- iii. Instant appearance of a pink colour which disappears

iv. On dilution with water shows presence of turmeric.

v. If the colour persists, metanil yellow.

Detection: The pink colour disappears it indicates metanil yellow present, it is adulterant

B) Chilli Powder

1) Artificial colour and brick powder, 2) Dust. 3) Soapstone 4) Rodamine B 5) Oil soluble coal tar

1) Artificial colour and brick powder

Procedure

i. Take a teaspoon of chilli powder in glass .

ii. Then add glass of water and stir it.

iii. A swirl of bright red colour indicates the presence of artificial colour.

iv. While settling of sediment bottom of glass.

v. Indicates the presence of brick powder.

Detection: The bright red colour appear and sediment settle down it indicates presence of artificial colour and brick powder, it is adulterant

2) Dust

Procedure

i. Add a sample of chilli powder in a glass of water.

ii. Stir it and the dust will float on the surface of water.

iii. While chilli powder settles down at bottom.

Detection: The chilli powder settles down at bottom, it indicate presence of dust, it is adulterant.

3) Soapstone

Procedure

i. Take a glass of water.

ii. Add a teaspoon of chilli powder in it.

iii. In case of residue feel soapy and smooth

iv. Hence it is adulterant with soapstone.

Detection: The chilli powder is feeling soapy and smooth it indicates presence of soapstone, it is adulterant.

4) Rodamine B

Procedure

- i. Take a 2gm of chilli powder in a test tube.
- ii. Add 5ml of acetone in a test tube.
- iii. The red colour is form means presence of rodamine B.

Detection: The red colour is form it indicates presence rodamine B , it is adulterant.

5) Oil soluble coal tar

- i. Add 2g of chilli powder in a test tube.
- ii. Then add few ml of other solvent.
- iii. Ether layer is decanted.
- iv. Then add 2ml of dilute Hydrochloric acid. Shake it.
- v. Distinct pink colour to red colour.
- vi. Lower acid layer it indicates the presence of oil soluble coal tar.

Detection: The pink colour is not appearing it is adulterant.

C) Jagerry

- 1) Chalk powder, 2) Metanil yellow colour 3)Washing soda

1) Chalk powder

Procedure

- i. Dissolve a small piece of jagerry in a water.
- ii. The chalk is settle down in a water.
- iii. It indicates the presence of chalk powder in Jagerry.

Detection: The chalk powder is absent it indicates it is not adulterant.

2) Metanil yellow colour

Procedure

- i. Take a small piece of Jagerry in a test tube.
- ii. Add 3ml of alcohol in it and shake it.
- iii. Add pour drops of Hydrochloric acid in it.
- iv. It forms the pink colour means presence of metanil yellow colour.

Detection: The dark red brown colour is form it indicates presence of metanil yellow colour it is adulterant.

3) Washing soda

Procedure

- i. Take a small quantity of jaggery in a test tube.
- ii. add the few drops of concentrated Hydrochloric acid in it.
- iii. If the solution cause effervescence .
- iv. It indicates the presence of washing soda.

Detection: The solution is not effervescence it indicates absence of washing soda, it is not adulterant.

D) Butter

Test

- 1) Vegetable oil and 2) Vanaspati

1) Vegetable oil

Procedure

- i. Melt a small quantity of butter.
- ii. Pour it in a glass jar and placed in a refrigerator.
- iii. Till it solidified presence of separate layer of indicate vegetable oil present.

Detection: the layer is not separate so it is not adulterant.

2) Vanaspati

Procedure

- i. Take teaspoon of melted butter in a test tube.
- ii. Then add pinched of sugar in it.
- iii. Then close the container and shake it.
- iv. Let it stand for five minutes.
- v. If the red colour appear at the bottom of the test tube.
- vi. It indicates the presence of vanaspati.

Detection: The vanaspati is not present in a sample, it is not adulterant.

E) Sugar

- 1) Chalk powder
- 2) Urea

1) Chalk powder

Procedure

- i. Take a 10g of sugar in a glass.
- ii. Then add the glass of water in it.
- iii. Dissolve the sugar in a water.
- iv. Allow to it settling and chalk will settle down.
- v. Indicates the presence of chalk powder.

Detection: The chalk powder is not setting down, it is not adulterant .

2) Urea

- i. Take a some amount of sugar in a test tube.
- ii. Then add some water and dissolve the sugar.
- iii. It gives the smell of ammonia it indicates the presence of urea.

Detection: The smell of ammonia is not produce or indicates it is not adulterant.

F) Asafoetida

Test

- 1) Soapstone 2) Foreign resin

1) Soap stone

Procedure

- i. Shake the little portion of sample with water and allow to settle.
- ii. Soap stone are settled down at bottom.

Detection: The soap stone are settled down at the bottom so it is adulterant.

2) Foreign resin

Procedure

- i. Take a asafoetida in a spoon.
- ii. If the sample burn like camphor, it indicate sample pure.

Detection: This is a pure sample it is not adulterant

G) Honey

- 1) Sugar 2) Fake or real honey

1) Sugar

Procedure

- i. Take a cotton wick dipped in a pure honey and light with match stick.
- ii. Pure honey burn is not adulterant and the presence of water will not allow the honey burn of it does it will produce sound cracking.

Detection: The honey is burn it indicates the sugar is absent, it is not adulterant.

2) Fake or real honey

Procedure

- i. Take a teaspoon of honey in a beaker. Add water in it.
- ii. The honey is easily dissolved it means fake honey.

Detection: The honey is easily dissolved it mean it is adulterant.

H) Milk

1) Water 2) Urea

1) Water

Procedure

Put a drop of milk on a polished slanting surface

Detection:- Drop of milk flow easily it means is pure milk.

3) Urea

Procedure

- i. Take a 5ml of milk in a test tube .Then add half teaspoon of soya bean or arhar powder.
- ii. Mix it by shaking a test tube after 5min dip the blue litmus paper in it
- iii. Remove the paper after half minute . A change in colour red to blue it indicates milk is adulterant.

Detection: the colour is not change red to blue in the sample urea is not present, it is not adulterant.

Table-1:- Samples, adulteration and their test.

Sr .No.	Sample Name	Test	Adulterant	Pure sample
1	Turmaric powder	Artificial colour	Strong yellow colour appear	Light yellow colour is appear.
		Dust	Dust particles is settle down at the bottom	Dust particles is does settle down at the bottom
		3)Chalk powder and yellow soap stone colour	Effervescence of bubbles	
		4)Metanil yellow	Pink colour is disappear	Pink colour is appear
2	Chilli powder	1)Artificial colour and brick powder	Bright red colour appear and sediment setuldown at the bottom.	
		2)Dust	Dust particles flow at the surface of water	Dust particles does not flow at the surface of water
		3)Soapstone	Feel soapy and smooth	does not fell soapy and smooth
		3)Rodamine B	Orange red colour is form	
		4)Oil soluble coal tar	Layer of acid is not appear	Layer of acid is not appear.
3	Jagerry	1)Chalk pawder	Chalk pawder is settle down at the bottom .	
		2)Metanil yellow colour	Pink colour is appear	
		3)Washing soda	It does not cause effervescence	
4	Butter	1)Vegetable oil	Layer is separate.	Layer is not separate
		2)Vanaspati	Red colour appear at the bottom	Red colour is not appear at the bottom
5	Sugar	1)Chalk powder	Chalk powder oil deos not settle down at the bottom.	

Result and discussion:

Table-2- Determination of Food adulteration.

SN	Sample taken	Adulterant	
1	Turmeric powder	Present	---
2	Chilli powder	Present	---
3	Jaggery	Present	---
4	Butter	---	Absent
5	Sugar	Present	---
6	Asafoetida	---	Absent
7	Honey	---	Absent
8	Milk	Present	----

Food adulteration indicates the intentional, fraudulent addition of extraneous, improper or cheaper ingredients to product or the dilution or removal of some valuable Ingredients in order to increase profit. If we are working on this project, we will get some positive results but we will get some negative results. We use a chemical in the sample to detect whether the sample is mixed. If there is any color change in the sample, the dust will settle down and the powder will settle down. Artificial color, yellow soap stone, metanil yellow, rodamine b, oil soluble coal tar, vanspati, urea washing soda foreign resin, brick powder are among the most common samples.

Conclusion:

During this study adulteration was found in Turmeric powder, chilli powder, Jaggery, Sugar and milk samples while Butter, Asafoetida and Honey samples were found without adulteration. Adulterated food is not only consists of physical adulterant particles other than food, but it also hosts pathogens which can cause harmful disease. Adulterant food causes both mental and physical disorders along with malnutrition hence we avoid eating such a food also the government need to necessary action against the companies and individuals who for sake of their own profit are manufacturing and selling adulterant products to consumers.

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WATER HARDNESS AND KIDNEY STONE PATIENTS FROM SHEGAON REGION

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Abstract

Water with high concentration of minerals is hard water, water is essential for life. But water with very high degree of hardness is harmful to health. 12 water samples were collected from different residential areas of Shegaon region and differentiate into 1) Tap water, 2) can water, 3) Package water was collected. Hardness of water can be determined by EDTA titration method. Out of all 12 samples tested 1 sample was slightly hard, 4 samples were hard water and 7 samples were soft. So public should be educated about the hardness and effect. Extreme degree of hardness is dangerous to health.

Key words: - EDTA titration method, Hardness, Shegaon.

Introduction:-

Hard water is water that has high mineral content hard water high concentration of calcium, magnesium and iron ions. These ions are called as hard eningions. In low concentration of these ions are not considered harmful for drinking purpose, but when they are present in higher concentration it becomes harmful to our body. There are so many harmful effects of hard water like kidney stone, skin irritation, rashes, pimples, dryness etc.

1) Temporary hardness:- Temporary hardness is caused by combination of calcium and bicarbon ateions in the water. It can be removed by boiling the water.

2) Permanent hardness:- Permanent hardness is hardness that cannot be removed by boiling. It is usually caused by the presence of calcium and magnesium sulphates and orchlorides which becomes more soluble as the temperature rise. Hard water causes which are the left-over mineral deposits that are formed after the hardwater had evaporated. Calcium and Magnesium forms a complex of wine red colour with Eriochrome black T indicate or at pH 10. The EDTA has stronger affinity toward aluminum and magnesium therefore by addition of EDTA the former complex es is broken-down and new complex of blue colour is formed. Different researcher carried out work for hardness and their impact of human health¹⁻¹⁰. Bearing this all things in mind we found very few researchers paid their attention toward investigation of water hardness by EDTA titrating method for samples belonging to Shegaon regions. Therefore designed this research scheme to water hardness and kidney stone patients from shegaon region.

Methodology:-

Collection of water samples:- The water samples were collected from different areas of shegaon like Rokdiya Nagar, Amrapali Nagar, etc as well as we taken the Can water and packaged water to test hardness. Preparation of solution:- For the preparation of EDTA we used 0.1 M. In the experiment, EDTA was first made and then standardized. This were done by preparing a calcium chloride solution. In the reaction with the EDTA, calcium carbonate is converted to calcium chloride. Ammonia-ammonium chloride will also be prepared to be used as a buffer in the solution. The professor prepared the Erichrome black T to be used as an indicator. This indicator was cause the solution to be red at the before the titration and then at the endpoint, the solution l turn blue. Make sure it is blue and not purple. After the standardization of EDTA, the calcium content in the water sample were be found.

The effects of hardness of water on kidney:

Most water sources Nusa Tenggara Timur contain higher concentration of calcium and magnesium ions, which is known as hardness of water. Long- term consumption of hard water can cause kidney dysfunction, which may lead to the diseases such as diabetes, cerebro vascular disease and others. Therefore, understanding the effects of hardness of water on kidney function is of importance. The results suggest that better water water treatments are required to reduce the concentration of magnesium and calcium in the water. This aid in minimizing the probability of humans to attracted kidney dysfunction.

Kidney stone patients in shegaon region :

Jivan Jyoti Hospital :

Months	Male	Female	Total Patients
December	40	30	70
January	27	35	62
February	50	46	96
March	67	70	137
April	34	47	81
May	46	71	117

Sangivini Hospital :

Months	Male	Female	Total Patients
December	4	5	9
January	2	4	6
February	1	4	5
March	3	5	8
April	3	4	7
May	6	4	10

Rakhumai Hospital :

Months	Male	Female	Total Patients
December	63	87	150
January	55	35	90
February	40	65	105
March	29	56	85
April	52	63	115
May	37	20	57

Saibai Hospital :

Months	Male	Female	Total Patients
December	63	74	137
January	65	91	156
February	34	50	84
March	50	45	95
April	45	47	92
May	26	25	51

Table No.-2:- A general classification of Hard water is:--

Water Hardness Scale		
mg/L & ppm as CaCO ₃	dH	Classification
0 - 75	0 - 4	Soft
75 - 150	4 - 8.5	Slightly Hard
150 - 300	8.5 - 17	Hard
300+	17+	Very Hard

Result and discussion:-

Determination of water hardness Formula:- ml of EDTA required $\times 1000$ / ml of sample used

TableNo.-2:

SN	Water samples side	Water sample coad
1	Packaged water samples	PWS
2	Can water samples	CWS
3	Tap water samples	TWS

Table No.-3:- Hardness of water

Sample code	Sample of volume	Mean Volume EDTA	Hardness of water
PWS1	50 ml	2.5	50 mg/l
PWS2	50ml	1.4	28 mg/l
PWS3	50ml	1.9	38 mg/l
CWS1	50ml	1.3	28 mg/l
CWS2	50ml	2.1	42 mg/l
CWS3	50ml	1.6	32 mg/l
TWS1	50ml	11.1	224 mg/l
TWS2	50ml	10.5	210 mg/l
TWS3	50ml	11.7	234 mg/l
TWS4	50ml	10.5	210 mg /l
TWS5	50ml	6.0	120 mg /l
TWS6	50ml	3.0	60mg/l

Conclusion:-

The present study revealed that extreme degree of hardness were found only in Tap water. Most of the peoples they consume tap water regularly they are in more risk zone. TWS1, TWS2, TWS3 and TWS4 consumers are in mostly close to high hardness of water. They should have to avoid used of such hard water for drinking purpose.

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वाचाल तर वाचाल

कु. अनामिका श्रीनाथ

सार :- वाचनसंस्कृती समृद्धहोण्यासाठी विद्यार्थीनाकेलेले मार्गदर्शन त्यांचे शंका निरसन. तज्ञ व्यक्तीचे त्यावरील मत असल्याने ज्ञानाची कक्षा उंचावते. जगातज्ञानइतकेपवित्र काहीही नाही.हे पवित्र ज्ञान वाचकापर्यंत पोहोचण्यासाठी आज समाजामध्ये जनजागृती करणे गरजेचे आहे . संस्कृतीचा होत असलेला न्हास लक्षात घेता आज महाविद्यालयीन विद्यार्थी कोणत्या पद्धतीने वाचन करत आहे ,त्याच्या काय समस्या आहेत .या सर्व बाबीचा अभ्यासकरून ते मांडण्याचा प्रयत्न या लेखामध्ये केलेला आहे.

संज्ञा :- विद्यार्थी, वाचनसंस्कृती

प्रस्तावना :-

पुस्तक सांगतात गोष्टवाहून गेलेल्या दिवसांची युगायुगाची विशवची, माणसांची, कालची आजची आणि उडद्याची एका-एका क्षणाची झाड हिरव्या पानांनी सळसकार अश्या सुरुवातीची, निष्पर्ण फांदीच्या एकाकीपणच्या सारख्यादुःखाची, वार्यावर दुलानार्या रंगीत फुलांची, युद्धात आई-बाप मेलेल्या मुलांची, जिंकलेल्या रणाची हरवलेल्या मनाची, प्रेमाची, व्द्याषची, श्वासाची हि पुस्तक सांगतात गोष्टी. मग ऐकणारा ना गोष्टी पुस्तकांनी सांगितलेल्या पुस्तक काही सांगू इच्छितात.

तुमच्या सावलीत रंगू इच्छितात .

पुस्तकात पक्ष्यांची चोच बोलते.

पुस्तकात हिरवागार रान बोलते.

पुस्तकात असतो झर्याच्या पाण्याचा अवखळपणा.

पुस्तकात दिसतात पर्या बाळगतांना.

पुस्तकातअसतो क्षेपणास्त्राचा विध्वंस काळ्या कृत्यात बुडलेल्या महाभारतात कंस.

पुस्तकाल्या शब्दांना करुणेची झाक आहे.

सर्व संत निरामयी विज्ञानाची हक आहे.

पुस्तक म्हणजे वसुधेव कुटुंबकाम.

आयुष्यपाथारचा नाय कदम.

मग येणार नंतुम्ही त्या रस्त्यावर चालण्यासाठी.

छेहो ! वाट मुळीच अवघड नाही. रस्त्यावरून चालताना आपण दुकानावर च्या पाट्या वाचतो. तेवढ्या सहज पुस्तक वाचायची बस ! अहो

वाचायला तर लागा म्हणजे पोहोचाल हव्या त्या ठिकाणी पुस्तक काही सांगू इच्छितात तुमच्यासावलीत रंगू इच्छितात.

- दासू वैद्य.

वाडःमयालोकन

१) राठीजुगलकिशोर (२००३):- वाचाल तर टिकालया पुस्तकात जुगलकिशोरसाठी यांनी कोणत्याही क्षेत्रातील व्यवस्था, अवस्था कुव्यवस्था संवेदनशील मनाला अस्वस्थ करून टाकत असते. चांगल्यागोष्टी आनंदी निर्माण करतात तर वाईट गोष्टीमुळे दुःख वकधीकधीक्रोध हि निर्माण होऊ शकतो आणित्या मनःस्थितीत आले की मनातील विचार पुस्तकरूपानेकाढून वाचणार्यांनाकामी यावे. व पुढच्या ठेच ' मागचा शहाणा 'तसेच सामाजिक राजकीय शैक्षणिक, कौठंबिक वव्यावसायिक क्षेत्रातून श्री राठीजीना आलेली अनुभूती, आजूबाजूच्याझपाटूनहोणारे परिवर्तन या पुस्तकाच्या वाचाण्यातून कशा प्रकारे होईल यासर्वगोष्टीचाउलेख या पुस्तकात लेखकांनी केला आहे.

२) गोंधळी सुनील:- वाचाल तर वाचाल या कविते मध्येकवींनी आयुष्याच्या खलळतर प्रवासात जीवनात मोलाचा सल्ला देण्या

पुस्तकाची सदैव प्रत्येकाच्या आयुष्यात कशाप्रकारे आवश्यकता आहे हे स्पष्ट केले

- ४) **अब्राम्हण लिंकन:-** शेवटचा श्वास हा मला पुस्तकासोबत घ्यायला आवडेल.
- ५) **जॉर्ज आर. आर. मार्टिन:-** तलावरील जशी धार लावावी लागेल तशीच बुद्धीला पुस्तक वाचून धार लागेल.
- ६) **प्लेटो:-** वाचनकरण हे खूप सारे जीवन जगण्यासारखे आहे.
- ७) **मार्क ट्वेन :-** उत्तमपुस्तक, चांगले मित्र आणि शुद्ध अंतःकरण हेच आदर्श जीवन आहे.

व्याप्ती :- श्री.ज्ञानेश्वर म. बुरुंगले कला व विज्ञान महाविद्यालयातील विज्ञान व कला शाखेतील विद्यार्थींची निवड करण्यात आली.

संशोधन पद्धती :- श्री. म. बुरुंगले कला व विज्ञान महाविद्यालयातील विद्यार्थ्यांच्या प्रत्यक्ष मुलाखत घेण्यात निरीक्षण या दिन पद्धतीचा वापर करण्यात आला .

माहिती संकलन:- श्री. ज्ञानेश्वर मबुरुंगले कला व विज्ञान महाविद्यालयातील दोन्ही शाखेमधील विद्यार्थींशी वाचन संस्कृती या विषयावर प्रत्यक्षात चर्चा घडवून आणली. संवादाच्या माध्यमातून महाविद्यालयातील विद्यार्थींचे वाचन संस्कृती विकास या विषयावर चर्चा करून. व त्याची वाचन संस्कृती विषयी मते जाणून घेतली.

माहितीचे विश्लेषण:- महाविद्यालयीन स्तरावर वाचन संस्कृतीच्या विकासाबद्दल चर्चा केल्या गेल्या. त्या संवादाच्या माध्यमातून विद्यार्थींनी वाचनाच्या विविध पद्धती सांगितल्या. विद्यार्थींनी आजच्या तंत्रज्ञानाच्या युगात वापरल्या जाणाऱ्या ऑडिओ, ई-बुक्स, ई-वर्तमानपत्र या साहित्याविषयी त्यांचे मत असे की. ई- ऑडिओ बुक्स सहजच एकूण आत्मसात केल्या जातात व ई-बुक्स कुठेही कधी हि वाचण्यास सोयीचे ठरतात. ६०% विद्यार्थींनी त्यांचे असे मत नोंदविले. मात्र या उलट ५०% विद्यार्थ्यांना प्रत्यक्ष ग्रंथांवालात जाऊन पुस्तके वाचून अधिक सोयीचे वाटते. ज्यांचे पुस्तके वाचून अनेक फायदे ते सांगतात. भाषाशैलीचा विकास घडून येतो. अशा विविध प्रकारे फायदे ग्रंथालयात जाण्याचे फायदे विद्यार्थींनी सांगितले आज सोशल मिडीयाकडे युवापिढीचामोठ्या प्रमाणातकल दिसून येतो . ज्यामुळे त्यांच्यात व पुस्तकामध्ये मोठ्या प्रमाणात दरी निर्माण होताना दिसत आहे . युवापिढीचे पुस्तकाकडे होणारे दुर्लक्ष वाचनसंस्कृतीचा न्हासास कारणीभूत ठरू शकते.

निष्कर्ष:- या संशोधनावरून असा निष्कर्ष निघतो की , विद्यार्थींमध्ये ज्ञानाचा अभाव मोठ्या प्रमाणात आहेसध्यास्तिथीचा अभ्यास करत असताना असे दिसून येते की, ई-साहित्याचा वापर सर्वात जास्त प्रमाणात होत आहे , मोबाईल स्क्रीनद्वारे उदभवनाच्या समस्या या सर्व बाबींचा विचार करता असे दिसून येते की, वाचन संस्कृतीचा होत न्हास थांबविण्यासाठी प्रत्येक नागरिकाने आपल्या घरामधून सुरवात करून ,समाजामध्ये जनजागृती करणे गरजेचे आहे.

संदर्भ :-

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