



Shri Shivaji Education Society, Amravati's

**Shri Shivaji Arts, Commerce & Science
College Motala, Dist- Buldana**

Department of Chemistry

Shri Shivaji Arts, Commerce & Science College Motala, Dist-Buldana
Department of Chemistry

1. Name of the Department: CHEMISTRY

2. Year of Establishment: UG: 2009 PG: NIL

3. Details of the Faculty:

Sr. No.	Name of Faculty	Educational Qualification	Designation	Specialization
1	Mr. B.S. Bhise	M.Sc.NET	Assistant Professor and Head of Department	Organic Chemistry
2	Mr. D.M. Mangate	M.Sc.NET	Assistant Professor	Organic Chemistry
3	Mr. N. R. Rahate	M.Sc.NET, SET, GATE, B.Ed.	Assistant Professor	Organic Chemistry
4	Mr. N. D. Gattuwar	M.Sc. B.Ed. NET, MBA	Assistant Professor	Organic Chemistry

2021-22	
Teaching Staff	
Name	Designation
1) Mr. B.S. Bhise	Assistant Professor
2) Mr. D.M. Mangate	Assistant Professor
3) Mr. N.R. Rahate	Assistant Professor
4) Mr. N.D. Gattuwar	Assistant Professor
Non-Teaching Staff	
NIL	Lab Assistant
NIL	Lab Attendant
NIL	Lab Attendant

2020-21	
Teaching Staff	
Name	Designation
1) Mr. B.S. Bhise	Assistant Professor
2) Mr. D.M. Mangate	Assistant Professor
3) Mr. N.R. Rahate	Assistant Professor
4) Mr. N.D. Gattuwar	Assistant Professor
Non-Teaching Staff	
NIL	Lab Assistant
NIL	Lab Attendant
NIL	Lab Attendant

2019-20	
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Teaching Staff	
Name	Designation
1) Mr. B.S. Bhise	Assistant Professor
2) Mr. D.M. Mangate	Assistant Professor
3) Mr. N.R. Rahate	Assistant Professor
4) Mr. N.D. Gattuwar	Assistant Professor
Non-Teaching Staff	
NIL	Lab Assistant
NIL	Lab Attendant
NIL	Lab Attendant

2018-19	
Teaching Staff	
Name	Designation
1) Mr. D.K. Sisode	CHB
2) Mr. S.P. Amritkar	CHB
3) Mr. D.D. Kasar	CHB
4) Ku. V.A. Patil	CHB
5) Ku. J.M. Laghe	CHB
6) Ku. S.J. Hadule	CHB
7) Ku. M.S. Patil	CHB
8) Ku. M.E. Kharche	CHB
Non-Teaching Staff	
NIL	Lab Assistant
NIL	Lab Attendant
NIL	Lab Attendant

2017-18	
Teaching Staff	
Name	Designation
1) Mr. D.K. Sisode	CHB
2) Mr. S.P. Amritkar	CHB
3) Mr. D.D. Kasar	CHB
4) Ku. V.A. Patil	CHB
5) Ku. J.M. Laghe	CHB
6) Ku. S.J. Hadule	CHB
7) Ku. M.S. Patil	CHB
8) Mr. Y.R. Naik	CHB
Non-Teaching Staff	
NIL	Lab Assistant
NIL	Lab Attendant
NIL	Lab Attendant

4. Student Profile:

Year	Class	Boys	Girls	Total
2021-22	B. Sc I	31	29	60
	B. Sc II	32	25	57

	B. Sc III	26	24	50
	Total	89	78	167
2020-21	B. Sc I	38	22	60
	B. Sc II	29	30	59
	B. Sc III	21	33	54
	Total	88	85	173
2019-20	B. Sc I	23	35	58
	B. Sc II	23	22	45
	B. Sc III	39	30	69
	Total	85	87	172
2018-19	B. Sc I	34	43	77
	B. Sc II	30	28	58
	B. Sc III	24	50	74
	Total	88	121	209
2017-18	B. Sc I	43	30	73
	B. Sc II	30	13	43
	B. Sc III	12	24	36
	Total	85	67	152

5. Demand Ratio of Teacher and student

YEAR	2017-18	2018-19	2019-20	2020-21	2021-22
STUDENT STRENGTH	152	209	172	173	167
AVAILABLE TEACHER	8(CHB)	8(CHB)	4	4	4
DEMAND RATIO	8:19	1:26	1:43	1:43	4:41

6. Result Analysis:

2020-21						
Programme	WINTER-20			SUMMER-21		
	Appeared	Passed	Percentage	Appeared	Passed	Percentage
B.Sc. I	56	56	100	53	53	100
B.Sc. II	56	56	100	56	56	100
B.Sc. III	53	53	100	51	51	100
2019-20						
Programme	WINTER-19			SUMMER-20		
	Appeared	Passed	Percentage	Appeared	Passed	Percentage
B.Sc. I	66	13	19.7	56	56	100
B.Sc. II	58	30	51.72	50	50	100
B.Sc. III	45	15	33.33	42	42	100
2018-19						
Programme	WINTER-18			SUMMER-19		
	Appeared	Passed	Percentage	Appeared	Passed	Percentage
B.Sc. I	74	54	72.97	70	13	18.58
B.Sc. II	58	15	25.86	55	40	72.72
B.Sc. III	38	23	60.52	37	20	54.05
2017-18						
Programme	WINTER-17			SUMMER-18		
	Appeared	Passed	Percentage	Appeared	Passed	Percentage
B.Sc. I	54	36	66.67	55	28	50.91
B.Sc. II	41	19	46.35	38	20	52.63
B.Sc. III	36	26	72.23	34	15	44.12

7. Programme and its outcomes

Programme offered

	Programme
UG	B.Sc.

Programme outcomes

B. Sc.

1. Knowledge and understanding about Chemistry.
2. Practical skills in the field and laboratory experiments.

3. Presentation skills in Chemistry.
4. Scientific knowledge in chemistry.
5. Knowledge about Industrially important chemical reactions and mechanism.
6. To increase the practical skill of students and knowledge about the skill of industries.
7. To educate students from the local and rural areas, so they become enlighten, individual improving the living standards of their families, Industries and Society.
8. To enable the rural students to acquire the self-confidence to lead respectable and prosperous life.

8. Awards and Achievements:

A) Students

Year	Name of the Student	Awards/Achievement
2020-21	NIL	
2019-20	NIL	

2018-19		
	NIL	

B) Faculty

Year	Name of the Faculty	Awards/Achievements
2020-21	Mr. B. S. Bhise Mr. D. M. Mangate Mr. N. D. Gattuwar	Member of Amravati University Chemistry Teachers Association
2019-21	Mr. N. D. Gattuwar	(1) Life Member of The Society for Polymer Science India (2) Life Member of The Indian Science Congress Association (3) Assistant Programme Officer of NSS at College Level (4) Member of Student Development Sant Gadge Baba Amravati University Amravati (5) Life Member of Vishwa Marathi Parishad
2019-20	Mr. N. R. Rahate	Member of Amravati University Chemistry Teachers Association

9. Research

Papers published in journals:

S. N.	Title of Paper	Name of the author/s	Department of the teacher	Name of Journal	Year of Publication	ISSN / ISBN No.	Impact Factor
1	Synthesis, Characterization of 4-thiazolidinone derivatives	M.S.More B.S.Bhise N.V.Rathod S.S.Idhole D.P.Kotwal S.R.Bhusare	Chemistry	Ajanta Research Journal	March-2019	ISSN 2277-5730	5.5

2	Synthesis and spectral Characterization of 2-Azitinone Derivatives	M.S.More N.V.Rathod B.G.Kharode B.S.Bhise D.L.Maske S.R.Bhusare	Chemistry	Ajanta Research Journal	Feb-2020	ISSN 2277-5730	
3	PPST-Covid-19 situation in a facile approach for the synthesis of spectral characterization coumarin derivatives	D.L.Mhaske M.S.More B.S.Bhise	Chemistry	Ajanta Research Journal	Jan-march 2021	ISSN 2277-5730	

10. Books published:

Name of the Author	Title of the book	Year
NIL		

11. Conference attended by Faculties -**Mr. B. S. Bhise**

Sr. No	Name of Conference/ Seminar etc.	Organized by	Dates and Year	National/ International/ State/ University level	Attended/ Paper presented/ Chaired session/Resource person etc.
1	“Recent Trends in Chemistry”	Rayat Shikshan Sanstha, Arts, Science & Commerce College Ramanandnagar Dist. Sangali	27 June 2020.	National E-Conference	Attended
2.	“Recent Advance In Chemical, Physical & Biological Science”	Department of Chemistry, Nabira Mahavidyalay Katol	29-30 June 2021	International E-Conference	Attended
3.	“Role of Nanoparticles & Chemistry for Sustainable Development”	Nilkanthrao Shinde Arts & Science College Bhadrawati Dist. Chandrapur	1 July 2020.	International E-Conference	Attended
4.	“Interdisciplinary Recent Research Trends”	Shri R. R. Lahoti Science College Morshi, (M.S.)	3-4 July 2020	National E-Conference	Attended

5.	“Recent Trends in Advance Material”	Nevjabai Hitkarini College Bramhapuri, Dist. Chandrapur (M.S.)	6 July 2020.	National	Attended
6.	Sustainable Development: A Biological and Socioeconomical Perspective	Govt. Vidharbha Institute of Science & Humanities Amravati Maharashtra India	26-27 July 2020	International E-Conference	Attended

Mr. D.M. Mangate

Sr. No	Name of Conference/ Seminar etc.	Organized by	Date and Year	National/ International /State/ University level	Attended/ Paper presented/ Chaired session/Resource person etc.
1	Exploring new Horizons in Chemical sciences	Department of Chemistry Deogiri College Aurangabad	10 – 12 Jan 2019	International	Attended
2	107 th Indian Science Congress Conference	The University of Agricultural Sciences Bangalore	02 -07 Jan 2020	International	Attended
3	Role of Nanotechnology for Sustainable Future	Shri Shivaji Arts & Science College Chikhali Dist. Buldana	31 st August	National	Attended

4	Recent Trend in Advanced material	Nevjabai Hitkarini College Brahmpuri & Prof. N.G Science College Sakharkheda & Sant Gadge Maharaj Mahavidalaya Hingna Nagpur	6 July 2020	International	Attended
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Mr. N. R. Rahate

Sr. No .	Name of Conference/ Seminar etc.	Organized by	Dates and Year	National/ International/ State/ University level	Attended/ Paper presented/ Chaired session/Resource person etc.
1	“Green Chemistry and its Prospectives”	Department of Chemistry, Sant Gadge Baba Amravati University, Amravati,	February 11-12, 2008.	National	Attended
2.	“Reaccreditation in Higher Education-Measure for quality Sustenance”	Ulhasnagar, Mumbai (M.S.)	Oct. 30-01, 2009.	National	Presented
3.	“Current Prospective in Limnology”	Ambajagai (M.S.)	December 25-26, 2009.	National	Attended
4.	“Biodiversity and its Conservation: Need of the Day”	Akot, (M.S.)	January 15, 2011.	National	Attended
5.	“Environmental Innovations for Resource Sustainability”	NMU, Jalgaon (M.S.)	January 21-22, 2011.	National	Attended
6.	“Awareness about Intellectual Property Rights”	Indraraj College, Sillod, Aurangabad	February 07,2020	National	Presented
7.	“Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with	GVISH Amravati	May, 15-17,2020	International	Attended

	reference to the World”				
8.	“The Role of Non-Teaching In NAAC Accreditation”	Bapumiya Sirajoddin Patel College, Pimpalgaon Kale	May 29, 2020	National	Attended
9.	“Nanomaterial synthesis is Emerging Facet of the World”	Late Pushpadevi Patil College, Risod	May 20, 2020	National	Attended
10.	“Significance of Chemical in Prevention of Covid-19 Pandemic”	Smt. R.S. College Anjangaon surji, Amravati	20 June 2020	National	Attended
11.	“Scope of Research in Science post Covid -19”	Bharathi Womens College Chennai	June, 21,2020	International	Attended
12.	“Recent trends in Chemistry”	Rayat Sanstha’s, Arts, Commerce & Science College Burli, Dist-Sangali	June, 27, 2020	National	Attended
13.	“Interdisciplinary Recent Research Trends”	R.R.L. Science College Morshi	July,3-4 2020	National	Attended

Mr. N.D. Gattuwar

Sr. No	Name of Conference/ Seminar etc.	Organized by	Dates and Year	National/ International/State/ University level	Attended/ Paper presented/ Chaired session/ Resource person.
1	SPSI MACRO 2018 Pune	IISER, NCL, Savitribai Phule Pune University Pune	December 19-22 /2018	International	Attended
2	Q-dot Glass and Solar Energy for Waste water processing technology C-MET Pune & University of Leeds UK	C-MET Pune University of LEEDS UK	November 15-16 / 2019	International	Attended
3	The Indian Science Congress Association Bangalore	The University of Agricultural Sciences Bangalore	January 03-07 /2020	International	Attended
4	One day State Level Workshop NAAC Revised accreditation Framework	Vidarbha Mahavidyalaya Buldana	February 07/2020	State	Attended
5	National Webinar on Technology Empowered	MHRD and S. N. Arts D. J.	July 06/2020	National	Attended

	Higher Education in India	M. Commerce & B. N. S. Science College Sangamner Dist. Ahmednagar			
6	International Workshop on Nanomaterial Synthesis is Emerging Facet of the World	Late Pushpadevi Patil Arts and Science college Risod Dist. Washim	May 20/2020	International	Attended
7	International E-Conference on Strategies & Challenges in Higher Education during Covid-19 Lockdown Period in India with Reference to the World	Government of Maharashtra Government Vidarbha Institute of Science & Humanities Amravati	May 15-17/2020	International	Attended
8	National Workshop on Revised NAAC Accreditation Framework: Drafting of AQAR and SSR	Shankarlal Khandelwal Arts Science & Commerce College Akola	May 29-June 2/2020	National	Attended
9	National Workshop on E-Content Development	Smt. Akkatai Ramgonda Patil Kanya Mahavidyalaya Ichalkaranji Dist. Kolhapur	May 27-June 1/2020	National	Attended
10	International Level Web Conference on Covid-19: Perspective of Science and Challenges	Siddharth College of Arts Science and Commerce Buddha Bhavan for Mumbai	June 19-20/2020	International	Attended
11	National E- Conference on Smart Materials and Nanotechnology	Kamla Nehru Mahavidyalaya Nagpur	May 30/2020	National	Attended
12	International E-Conference on Drug Discovery Development and Applications	Karmaveer Bhaurao Patil College Vashi Navi Mumbai	June 15-16/2020	International	Attended
13	International E-Conference on Role of Nanoparticles and Chemistry for Sustainable Development	Nilkantharao Shinde Science and Arts College Bhadrawati Dist. Chandrapur	July 01/2020	International	Attended

14	International E-Conference on Importance of Physical and Mental Health for Caring self-reliant Personality	Narayanrao Rana Mahavidyalaya Badnera Amravati	June 29/2020	International	Attended
15	International Virtual Conference on Modern Instrumental And Characterization Techniques in Applied Sciences-2020 (MICTAS-2020)	Uttarakhand Science Education and research center (U-SERC)	June 05/2020	International	Attended
16	National Conference on Covid -19 Optimistic Perspective: Pandemic Transforming Challenges into Opportunity	Janata Mahavidyalaya Chandrapur	July 18/2020	National	Attended
17	Online International Lecture Series on Bridging Research Perspectives -2020	Government of Maharashtra Government Vidarbha Institute of Science & Humanities Amravati	July 15-17/2020	International	Attended
18	International Seminar on Recent Trends in Nanostructured Materials Based Devices and Their Applications	D. P. Bhosale College Koregaon Dist. Satara	July 18/2020	International	Attended
19	Inter University Center for Teachers Education (IUCTE) on Mapping of Computer Assisted Qualitative Data Analysis Software (CAQDAS)	The Maharaja Sayajirao University of Baroda Vadodara Gujrat	July 23-24/2020	National	Attended
20	Webinar on One Year of the Repeal of Article 370: Implications and Outcomes	MHRD Delhi	August 05/2020	National	Attended
21	National Webinar on Unravelling the National Education Policy 2020	MHRD Delhi	August 09/2020	National	Attended
22	National E-Conference on Recent Advances in Materials Science & Nanotechnology	Yeshwantrao Chavan College of Arts Commerce & Science Sillod Dist. Aurangabad	August 01-02/2020	National	Attended
23	National E-Conference on Science and Technology for Sustainable Development with Women Empowerment	Government Science College Gadchiroli Government of Maharashtra	February 25-2021	National	Attended

24	International E-conference on Sustainable & Futuristic Materials	Kamla Nehru Mahavidyalaya Nagpur	November 29-30-2021	International	Attended
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12. Refresher/Orientation/Faculty development Programme / short term courses attended

Mr. B. S. Bhise

Sr. No	Name of programme	Year	Duration
1.	“Revised Guidelines of NAAC”	2020	27 April-2May (5 Days)
2.	“NAAC Assessment and Accreditation”	2020	21-26 May (6 Days)
3.	“Mentoring and Facilitation Skills for Institutional Mentors” 5-day FDP (MHRD)	2020	27-31 May (5 Days)
4.	“Open-Source Tools for Research” (7day FDP (MHRD)	2020	08-14 June (7 Days)
5.	“Educational Video Creation (E-Content Development)”	2020	12-18 June (7 Days)
6.	“Scilab”	2020	15-19 June (5 Days)
7.	"Entrepreneurship, Incubation and Innovation " (7day FDP (MHRD)	2020	23-29 June (7 Days)
8.	“Advanced Data Science and its Applications”	2020	22-26 June (5 Days)
9.	“ICT in Teaching & Learning”	2020	13-18 July (6 Days)
10.	“INDUCTION/ORIENTATION PROGRAM” (One Month Induction MHRD)	2020	26June-24 July (One Month)

Mr. D.M. Mangate

Sr. No	Name of Programme	Organized by	Year	Duration
1	Refresher Course on Research Methodology MHRD.	Ramanujan College New Delhi	2021	15 Day
1	Induction/Orientation Program of MHRD	Ramanujan College New Delhi	2020	30 Day
2	FDP MHRD (Entrepreneurship Incubation and Innovation)	Ramanujan College New Delhi	2020	7 Day
3	FDP (Advanced Topic in Chemical Sciences)	Nallamuthu Gounder Mahalingam College	2020	7 Day
4	FDP MHRD (Advanced Concepts for Developing MOOCS)	Ramanujan College New Delhi	2020	15 Day
5	Short Term Course on Research Methodology	R.L.T College Akola.	2020	4 Day

Mr. N. R. Rahate

Sr. No	Name of programme	Year	Duration
1.	“Revised Guidelines of NAAC”	2020	27 April-2May (5 Days)
2.	“NAAC Assessment and Accreditation”	2020	21-26 May (6 Days)
3.	“Mentoring and Facilitation Skills for Institutional Mentors” 5day FDP (MHRD)	2020	27-31 May (5 Days)
4.	“Open-Source Tools for Research” (7day FDP (MHRD)	2020	08-14 June (7 Days)
5.	“Educational Video Creation (E-Content Development)”	2020	12-18 June (7 Days)
6.	“Scilab”	2020	15-19 June (5 Days)
7.	"Entrepreneurship, Incubation and Innovation " (7day FDP (MHRD)	2020	23-29 June (7 Days)
8.	“Advanced Data Science and its Applications”	2020	22-26 June (5 Days)
9.	“Advanced Concepts for Developing MOOCS” (15day FDP (MHRD)	2020	02-17 July (16 Days)

10.	“INDUCTION/ORIENTATION PROGRAM” (One Month Induction MHRD)	2020	26 June-24 July (One Month)
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Mr. N.D. Gattuwar

Sr. No	Name of Programme	Year	Duration
1	Orientation MHRD Government of India	2020	1 Month
2	FDP MHRD (Mentoring and Facilitation skills for Institutional Mentors)	2020	10 Days
3	FDP MHRD (Open-Source Tools for Effective Teaching Learning)	2020	7 Days
4	FDP MHRD (Entrepreneurship Incubation and Innovation)	2020	7 Days
5	FDP MHRD (Advanced Concepts for Developing MOOCS)	2020	15 Days
6	FDP (Modern Teaching Evaluation and Research Methods)	2020	6 Days
7	FDP (E-Learning and ICT Tools for Effective Teaching Learning)	2020	6 Days
8	FDP (Institutional Benchmarking of Best Practices)	2020	7 Days
9	FDP (E-Content Development in Teaching)	2020	7 Days
10	FDP (NAAC Assessment and Accreditation A & A for Affiliated College)	2020	6 Days
11	FDP (Advanced Concepts for Developing MOOCS)	2020	5 Days
12	Workshop on Applications of UV-VIS and IR Spectroscopy	2020	1 Days
13	Short Term Course on Research Methodology	2020	4 Days
14	Refresher Course in Chemistry UGC-HRDC Gujrat University Ahmedabad.	2021	14 days
15	Workshop on Blended Learning with LMS-MOODLE (Advanced) by PMMMMNTT	2021	2 Days
16	Workshop on Retro-Synthesis	2021	3 Days

13. Infrastructure and facilities

UG Laboratory: 128 (sq. m)

Major equipment's

Sr. No	Equipment's	Sr. No	Equipment's
1.	Centrifugation Machine	8.	Vacuum/Suction Pump
2.	Colorimeter	9.	Magnetic Stirrer
3.	Conductivity Cell	10.	PH meter
4.	Conductivity Meter	11.	Computer With internet Facility
5	Hot Air Blower	12.	
6.	Potentiometer	13.	
7.	Digital Weighing Balance	14.	

14. Extension activities

Year	Extension Activity
2020-21	Plastic Irradiation

2019-20	Plastic Irradiation

2018-17	-----

2017-18	-----

15. Innovative practices

Year	Activity
2020-2021	Distilled Water Collection No Vehicle Day.
2019-2020	Distilled Water Collection No Vehicle Day.
2018-2019	No Vehicle Day.
2017-2018	-----

16. Best practices:

2020-21

- Teachers Sponsored Award
- Industrial Tour
- Student Bank
- Coaching to slow Lerner
- Coaching to advanced Lerner

2019-20

- Teachers Sponsored Award
- Industrial Tour
- Coaching to slow Lerner
- Coaching to advanced Lerner

2018-19

- Coaching to slow Lerner
- Coaching to advanced Lerner

2017-18

- Coaching to slow Lerner
- Coaching to advanced Lerner

17. Seminars/Conferences/Workshops organized

Year	Seminars/Conferences/Workshops organized
2020-2021	----
2019-2020	-----
2018-2019	-----
2017-2018	-----

18. Academic Activities

1. Students Participation:

2020-2021					
No.	Name	Class	Event	Award	Date
1	SANIYA WASIM SHAIKH	B.Sc. II	Motivational Science Workshop ShriDnyaneshwar Maskuji Burungale Science & Arts College, Shegaon	Participate	28/02/2021
2	MOHINI SHANKAR SHELKE	B.Sc. III	Motivational Science Workshop ShriDnyaneshwar Maskuji Burungale Science & Arts College, Shegaon	Participate	28/02/2021
3	MOHINI SHANKAR SHELKE	B.Sc. III	Online poster Competition on National ScienceDay , Shri Shivaji Arts, Commerce & Science College Akot	Participate	01/03/ 2021

2019-2020					
1	HARSHAL SAMADHAN MORE	B.Sc. I	Intercollegiate chem quiz competition- 2020 Ghulam Nabi AzadArt's, Commerce & Science College, Barshitakli Dist. Akola.	Participate	10-/02/2020.
2	JITENDRASING BRIJBIHARISIN GBAGHEL	B.Sc. I	Intercollegiate chemquiz competition- 2020 Ghulam Nabi AzadArt's, Commerce & Science College, Barshitakli Dist. Akola.	Participate	10/02/2020

**19. Guest Lectures:
2020-2021**

No	Name of Teacher	Topic	Class	Date
1	Dr. K. N. Puri	Raman Spectroscopy	B. Sc.	28/02/2021
2	Mr. Zamir. Shaikh	Measurement & Calculation of laboratory	B. Sc.	31/08/2021
3	Mr. M. S. More	Instrumentation & Handling	B. Sc.	27/09/2021
4	Mr. D. B. Channekar	General rule of laboratory	B. Sc	29/08/2021

2019-2020

No	Name of Teacher	Topic	Class	Date
1	Dr. S. R. Ingle	Science Day	B. Sc.	27/02/2020
2				

2018-2019

No	Name of Teacher	Topic	Class	Date
1				
2				

20. Competitions organized:

Year	Competitions organized	Class	Date
2020-2021	1. Science-quiz Competition (District Level)	B.Sc.	01/03/2021.
	2. Poster competition (district Level)	B.Sc.	27/02/2021
	3. Elocution Competition (college Level)	For all	08/03/2021
	4. Rangoli competition (College Level)	For all	26/12/2020
	5. Essay Competition (College Level)	For all	08/03/2021
2019-2020	1. Chem-quiz Competition (National Level)	For all	10/05/2020.
	2. Chem-quiz Competition (College Level)	For all	22/02/2020
	3. Poster competition (College Level)	For all	28/02/2020