

**VIDYA VIKAS ART'S, COMMERCE & SCIENCE COLLEGE,
SAMUDRAPUR , Dist- Wardha 442305 (MS)**

**DEPARTMENT OF PHYSICS
DEPARTMENTAL PROFILE – SESSION 2020 -2021**

1. Faculty profile :

Sr. No	NAME	DESIGNATION	QALIFICATION	EXPERIENCE (Years)
1	Mr Sadanand R Sarve	Assist Professor	M Sc, SET	9
2	Mr Nitesh D Shambharkar	Assist Professor	M Sc, NET	7

2. Students Profile :

Sr.No.	Class	No.of student admitted		Appeared for exam.		Pass out students		Percentage of passing	
		SemI	SemII	SemI	SemII	SemI	SemII	SemI	SemII
1	B.Sc.I (Theory)	77	77	77	..				
	B.Sc.I (Practical)	77	77	77	..				
		SemIII	SemIV	SemIII	SemIV	SemIII	SemIV	SemIII	SemIV
2	B.Sc II (Theory)	81	81	81	81	77		95.06	
	B.Sc.II (Practical)	81	81	81	81	80		98.76	
		SemV	SemVI	SemV	SemVI	SemV	SemVI	SemV	SemVI
3	B.Sc III (Theory)	80	80	80	80	77		96.25	
	B.Sc.III (Practical)	80	80	80	80	80		100	

3. Changes made in the courses or programmed during the past two years and the contribution of the faculty to those changes.: Nil

4. The learning resources of the department Library :

The department of Physics have departmental library with more than 20 books on subject physics and well utilized by students of B. Sc.

5. Number of major and minor Instruments in the Department:

Major instruments (11) with cost of 570542/- Rs. and minor instruments (100) with cost of 626969/- Rs

6. Study Tour: Due to COVID-19 unable to conduct study tour.

7. Modern teaching methods practiced and use of ICT in teaching – learning

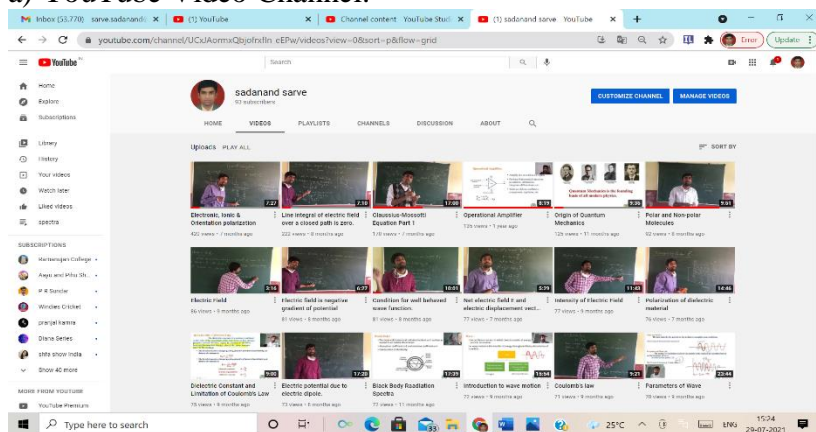
a) **Teaching methods:** ICT Technologies used are Power Point Presentations, YouTube Video, Google forms and quizzes, Google classroom, etc.

b) **Evaluation methods:** Evaluation of students are done on the basis of performance test and assignments.

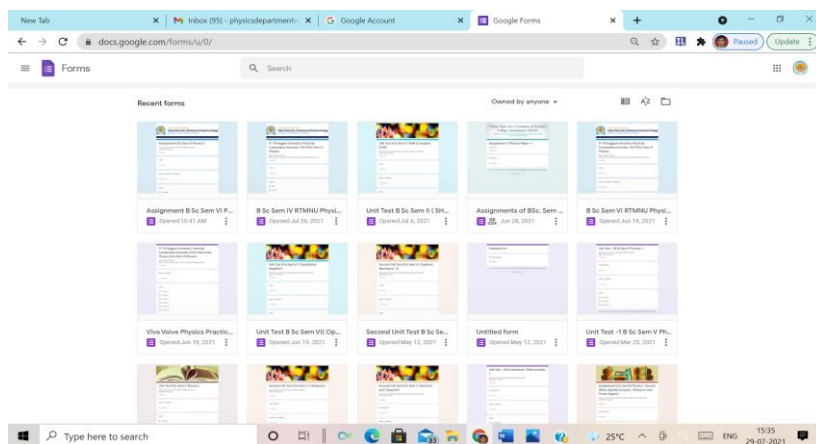
c) **Use of ICT:** whatsapp groups, OBS software, YouTube, Google Classroom, Google Forms, Projector and PPT, etc.

1. Development of E-Content and use of new Information and Communication Technologies for the students of B Sc Sem I, II, III, IV, V VI

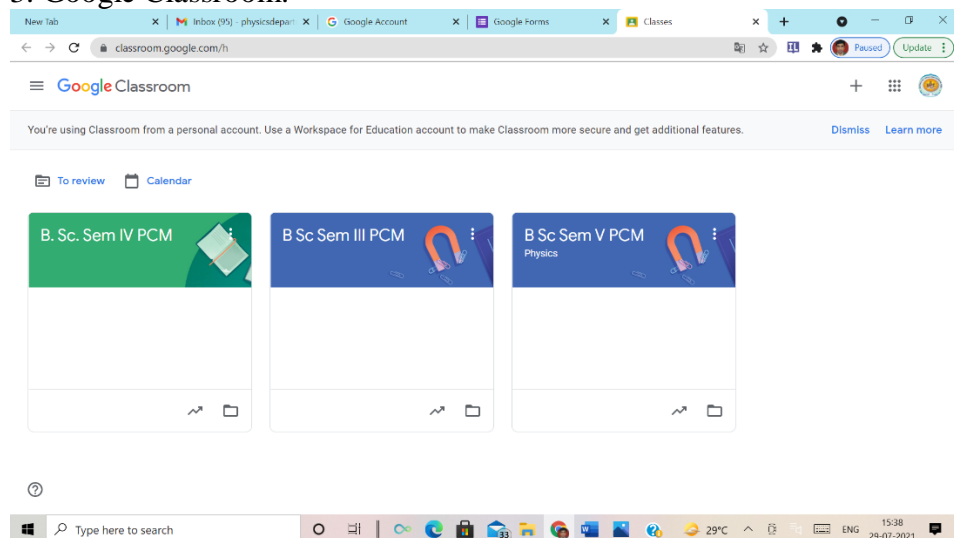
a) YouTube Video Channel:



2. Google Quiz Test and Assignment for B Sc students:



3. Google Classroom:



4. Providing all e-content, study material, examination information through What's up Groups of respective class.

FACULTY INFORMATION:

A) Teaching work load

Sr. No.	Name of the lecturer	Subject	Class	Periods Allotted		Total Work Load
				L	P/T	
1	Shri S. R. Sarve	Physics	B.Sc.I	03	00	20
			B. Sc II	03	03	
			B. Sc. III	03	06+02	
2	Shri N.D.Shambharkar	Physics	B.Sc.I	03	06	20
			B. Sc II	03	03 + 01	
			B. Sc. III	03	01	

1. Mr. S. R. Sarve (Assistant professor):

a) National conference/workshop/seminar attended :

Sr. No.	Conference/ workshop/ seminar	Title	Date	Venue
1	International E-Conference	Multifunctional Advanced Materials ICMAM-20	07 August 2020	Mahatma Gandhi Arts, Science & Late N P Commerce College, Armori Dist- Gadchiroli (MH)

2	One Day National Webinar	Recent Trends in Material Science and Applications (RTMSA-2021)	6 th March 2021	Arts Commerce and Science College Arvi, Dist- Wardha
3	Two Day National Webinar	Instrumental Methods of Analysis	18 th Oct. 2020	International Research Center and Department of Chemistry Kalasalingam Academy of Research and Education, Krishnankoil.
4	A National Webinar	Physics Education Post COVID Era	21-22 July 2020	Indian Association of Physics Education IAPT RC-08 Maharashtra.

b) Publications (Research Paper/Books etc):

Sr. No.	Title of paper	No of Authors	Name of Journal ISSN ad ISBN no	Year	Impact Factor
1	Structural and Electrical properties of Nano Spinel ferrite	5	International Journal of Scientific Research in Science and Technology Doi: https://doi.org/10.32628/IJSRST21810027 ISSN: 2395-602X	2021 Volume 8 issue 1	Scientific Journal Impact Factor 7.214

c) Refresher/ Orientation/Short term course/ Summer school/MOOC/FDP/Workshop :

Sr. No.	Programme	Duration	Organised By
1	Soft Skill Development Workshop	13 to 17 July 2020	R T M Nagpur University, Human Resource Development Centre, Nagpur

ANY OTHER ACTIVITY :

1. Coordinator IT Infrastructure Committee for session 2020-21.
2. Member of IQAC for session 2020-21.
3. Member of RTMNU Examination Committee.
4. Member of Admission Committee.

2. Mr. N. D. Shambharkar (Assistant professor):

a) National conference/workshop/seminar attended :

Sr. No.	Conference/ workshop/ seminar	Title	Date	Venue
1	26 th International Confrence (online) of International Academy of Physical Sciences on Advances in Physics.	Paper presentation on “Transition to fully or partially arrested state in the coarse-grained sense in coupled logistic maps on a ladder”	18 th - 20 th December 2020	Gondwana University Gadchiroli
2	One day webinor	“Nanoscience and Nanotechnology: The	20 July 2021	Nabira Mahavidyalay Katol, Dist- Nagpur

		Gift of Nature”		
3	International E-Conference	Recent Advances in Chemical, Physical and Biological Sciences	29 th -30 th June 2021	Department of Chemistry, Nabira Mahavidyalay, Katol
4	Three Days online Workshop	“Development of ICT skills for online teaching among teachers of HEI’s”	24 th -26 th May 2021	Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur Board of University Department and Interdisciplinary Studies.
5	One Day National Webinar	Recent Trends in Material Science and Applications (RTMSA-2021)	6 th March 2021	Arts Commerce and Science College Arvi, Dist- Wardha
6	One Day Online Webinor	Online Webinor on Disaster Management Post Covid”	3 rd March 2021	UGC-HRDC Gujrat University, Ahmedabad.
7	One Day Online Webinar	“Online webinar on Education & MOOCs”	26 th February 2021	UGC-HRDC Gujrat University, Ahmedabad.
8	One Day Webinor	“ Quantum Control Realization In Semiconductor Devices”	8 th February 2021	QUBIT, The Physics Society of Physics Department, Bhaskaracharya College of Applied Sciences University of Delhi.
9	One Day International Webinar	“ICT Initiatives and flipped Learning”	28 th August 2020	Department of Studies in Physics, Davangere University and Government First Grade (TLC & FDC) College, Harihar.

b) Publications (Research Paper/Books etc)

Sr. No.	Title of paper	No of Authors	Name of Journal ISSN ad ISBN no	Year	Page	Impact Factor
1	Effect of a Mode of Update on Universality Class for Coupled Logistic Maps: Directed Ising to Ising Class.	3	International Journal of Bifurcation and Chaos, Vol. 31, No. 3 (2021) 2150042 (10 pages) ISSN (Print): 0218-1274, ISSN (online): 1793-6551	2021	2150042 - 2150052	Peer-reviewed Scopus 2.836 (2020)

c) Refresher/ Orientation/Short term course/ Summer school/MOOC/FDP/Workshop :

Sr. No.	Programme	Duration	Organised By
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1	Online short term Faculty development Programme on Nanomaterials Characterization Techniques And Result Analysis Methodology: Ideas	One Weeks 27 th July to 31 th July 2020.	MHRD's faculty development Centre (PMMMNTT) UGC-Human Resource Centre Savitribai Phule Pune University, Pune
2	1 st Online winter School (Equivalent to Refresher Course)	Two Week 19 th October to 01 th November, 2020.	UGC-HRDC Gujrat University, Ahmedabad-380009

ANY OTHER ACTIVITY :

1. Working as a Chairman of Feedback Committee.
2. Working as a Co-coordinator of Placement cum Career Counseling Committee
3. Working as a Member in Admission of Science Department.
4. Working as a member in Committee of NAAC Criterion V.
5. Working as a member in IT infrastructure Committee.
6. working as a Member in GAME and Sport Committee.

Date: 30/07/2021

Place: Samudrapur