



Shri Shivaji Education Society, Amravati.
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
NAAC Reaccredited 'B++' Grade (CGPA 3.00)

DEPARTMENT OF PHYSICS

Sponsored by

PM USHA Grant Component 3.0 (Strengthen College)

Certificate Course in Basics of Nanotechnology
Academic Year 2025-2026

Duration of the Course: 03 Months
01 September 2025 to 07 February 2026
Time: 07:00 am to 10:00 am

Dr. P. R. Padole

Principal

Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.

Shri Shivaji Education Society, Amravati.
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
Department of Physics
Certificate Course in Basics of Nanotechnology
01 September 2025 to 07 February 2026

INDEX

Sr. No.	Particular	Page No.
1)	Brochure	1
2)	Syllabus	3
3)	Registration Form	6
4)	List of Enrolled Students	10
5)	Resource Person	12
6)	Action Taken Report	35
7)	Evaluation	46
8)	Feedback	48
9)	Attendance Sheet	49
10)	Glimpses	65
11)	Certificate	66



**Shri Shivaji Education Society, Amravati's
Shri Shivaji Science & Arts College,
Chikhli Dist. Buldhana**

Accredited by NAAC B++ Grade (CGPA 3.00)

Department of Physics

ORGANIZE

Certificate Course in Basics of Nanotechnology

Sponsored by

PM USHA Grant Component 3.0 (Strengthen College)

from

01 September 2025 to 07 February 2026

Time: 07:00 to 10:00

ORGANIZER

Dr. V. U. Pochhi

Officiating Principal & IQAC coordinator

ORGANIZING COMMITTEE

Dr. S. I. Jukkalkar

PM-USHA coordinator

Dr. V. B. Huse

Head

Department of Physics

Dr. Pallavi B. Nalle

Convener

Dr. P. P. Padghan

Member

Dr. D. N. Bhojar

Member

Mr. E. L. Jadhao

Technical Support

Mr. A. B. Bahekar

Technical Support

Objective of the course

- 1. To develop basic understanding and interest in nanotechnology and among the students.**
- 2. To introduce them research aptitude.**
- 3. To enhance their skills about research.**
- 4. To understand importance of nanotechnology material science.**
- 5. To understand importance of nanotechnology in current Environmental clashes and Global Warming.**

Learning Out Come

As a result of participating in the certificate course in Basics of Nanotechnology, students as well as entre participates will be able to learn and understand nanotechnology and how research works to do in material science. As well as how to prepare nonmaterial using different synthesis technique.

❖ Eligibility: XII Science/Any Graduate and Post Graduate students can apply for this certificate course.

❖ WhatsAppGroup:

<https://chat.whatsapp.com/Bm5WvzNcsWTCjVkJ2UU8c>

SYLLABUS

Sr. No.	Course Contents
01.	MODULE 1: INTRODUCTION TO NANOTECHNOLOGY <ul style="list-style-type: none"> ➤ Nanoscience ➤ Nanoparticles ➤ History of nanoparticles ➤ Nanotechnology ➤ Effect of size on nanoparticles
02.	MODULE 2: NANOMATERIALS <ul style="list-style-type: none"> ➤ Types of nanomaterials ➤ Properties of nanomaterials: (structural, morphological, electrical, magnetic, optical, superconductivity) ➤ Application and drawbacks of nanomaterials
03.	MODULE 3: PREPARATION METHOD <ul style="list-style-type: none"> ➤ Synthesis of nanomaterials ➤ Types of synthesis method ➤ Physical method, chemical method ➤ Weight chemical method, green synthesis ➤ Application and drawbacks of synthesis methods
04.	Module 4: Characterization Techniques <ul style="list-style-type: none"> ➤ TG -DTA ➤ XRD ➤ FTIR ➤ SEM ➤ TEM ➤ 2/4prob method (DC Resistivity) ➤ LCR- Q Meter (Dielectric) ➤ VSM etc
05.	Module 5: Case Study <ul style="list-style-type: none"> ➤ Case study Oxides, Ferrites, Perovskite, Graphene etc
06.	Practical <ul style="list-style-type: none"> ➤ Synthesis of oxide using hydro thermal method ➤ Synthesis of ferrites using sol-gel method ➤ Synthesis of perovskite using solid state method ➤ Synthesis of nanomaterials using chemical bath deposition method ➤ Analysis of nanomaterials

PRACTICAL SESSION

- 1. Synthesis of oxide using hydro thermal method**
- 2. Synthesis of ferrites using sol-gel method**
- 3. Synthesis of perovskite using solid state method**
- 4. Synthesis of nanomaterial using chemical bath deposition method.**
- 5. Synthesis of thick film using doctor blade method**
- 6. Analysis of nanomaterial**

Practical sessions will be demonstrated through offline platform

Course Structure	Examination Scheme
<ul style="list-style-type: none">• Course Name:- Certificate Course in Basics of Nanotechnology• Number of Modules : 05• Number of Theory (Hours) : 10• Number of Practical (Hours) : 20	<ul style="list-style-type: none">• Internal Marks : 80• Theory Marks : 40• Practical Marks : 40• Total Marks : 100

IMPORTANT INSTRUCTIONS

- Registration is mandatory for enroll for this course.
- Lectures will be conducted through online and offline mode.
- For the successful completion course, it is mandatory for each participant to submit assignments.
- At the end of course exam will be conducted.
- Each participant should score a minimum of 50% in total to avail course completion certificate.
- Join the What's app Group for link and other information of Course.
- Certificate will be issued for all active participants.
- Feedback is mandatory.

TIME TABLE

Day/Time	07:00-08:00	08:00-09:00	09:00-10:00
Monday	Lecture	Lecture	Lecture
Tuesday	Lecture	Lecture	Lecture
Wednesday	Lecture	Lecture	Lecture
Thursday	Lecture	Lecture	Lecture Lec
Friday	Lecture	Lecture	Lecture
Saturday	Practical	Practical	Practical



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Department of Physics
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01 September 2025 to 07 February 2026



Registration Form

Roll No.	:	24AB116821
Name of Student	:	First Name: Samiksha, Father Name: Keshaveao, Last Name: Deshmukh
Date of birth	: (DD-MM-YYYY) 20 06 2006
Gender	:	<input type="radio"/> Male <input checked="" type="radio"/> Female
Class	:	B.Sc II nd year
Semester:	:	IV
ABC Id	:	644814261665
Mobile No.	:	8329587347
Email Id.	:	samikshadeshmukh584@gmail.com
Address for Correspondence	:	At Pimpalkhuta, Ta - Patun District - Akola

S.K. Deshmukh
Signature




Shri Shivaji Education Society, Amravati
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Department of Physics
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01 September 2025 to 07 February 2026



Registration Form

Roll No.	:	23AB116838
Name of Student	:	Uemila vijay kale
Date of birth	:	...16... ..11..... ...2.0.05.. (DD-MM-YYYY)
Gender	:	<input type="radio"/> Male <input checked="" type="radio"/> Female
Class	:	B.Sc(III) year
Semester:	:	(vi)
ABC Id	:	
Mobile No.	:	8208096078
Email Id.	:	uemila161105@gmail.com
Address for Correspondence	:	At Post shelsuë Tq. chikhli dist. Buldhana.


Signature



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Department of Physics
Certificate Course in Basics of Nanotechnology
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Registration Form

Roll No.	:	23ABLL676L
Name of Student	:	omparishri Shrikrushna Parihar.
Date of birth	: (DD-MM-YYYY) 24 10 2004.
Gender	:	<input checked="" type="radio"/> Male <input type="radio"/> Female
Class	:	B.Sc. Part III
Semester:	:	Semester 8 th .
ABC Id	:	449849610456.
Mobile No.	:	8262985680.
Email Id.	:	omparihar1515@gmail.com.
Address for Correspondence	:	At. Bhaygaon. taq. Chikhli Dist Buldana.


Signature

Shri Shivaji Education Society, Amravati
Shri Shivaji Science and Arts College, Chikhli, Dist. Buldhana.
Department of Physics
Certificate Course in Basics of Nanotechnology

01 September 2025 to 07 February 2026

Name List

Sr. No.	Name of Student	Mail Id	Contact No.	Signature
B. Sc. S. Y.				
1)	Abhishek Gajanan Ingle	Ingleabhishek@gmail.com		A. Ingle
2)	Adinath Baliram Mahale	adinathmahale4@gmail.com	7875273108	A. Mahale
3)	Aditya Bhagwan Gaikwad	aditya@gaikwad@gmail.com		A. Gaikwad
4)	Anjali Anil Patil	anjali.patil.cip0987@gmail.com	9226375235	A. Patil
5)	Anuja Gajanan Borul	borulanuja@gmail.com	9356403107	A.G. Borul
6)	Ishwari Siddusingh Jadhav	ishwarijadhav@gmail.com	8690870310	I.S. Jadhav
7)	Priyanka Bhagwan Raut	Priyankaraut1062@gmail.com	8080981478	P. Raut
8)	Priyanka Vijay Jadhav	vijay03164@gmail.com	7767927102	P. Jadhav
9)	Rameshwar Dnyaneshwar Mahale	mahalerameshwar39@gmail.com	8208562557	R. Mahale
10)	Rutuja Nivrutti Bhusari	rn.bhusari@gmail.com		R.N. Bhusari
11)	Sakshi Prabhu Lande	landesakshi619@gmail.com	9371619845	S. Lande
12)	Sakshi Sunil Dukare	sakshid7206@gmail.com	8793349321	S. Dukare
13)	Samiksha Keshrao Deshmukh	samikshadeshmukh584@gmail.com	8329587347	S.K. Deshmukh
14)	Samradnyi Valmik Ambhore	samuambhore789@gmail.com	9226012984	S. Ambhore
15)	Sanika Ramesh Deshmukh	deshmukhsanika953@gmail.com	9067948814	S.P. Deshmukh
16)	Shrushti Raju Deshmukh	shrushtideshmukh912@gmail.com	8881502401	S. Deshmukh
17)	Tanvi Nandkishor Maske	mhasketanvi67@gmail.com	9075387725	T. Maske
18)	Vaishnavi Baburao Sawade	Sawadevaishnavi@gmail.com		V.B. Sawade
19)	Vaishnavi Shrikisan Zagare	vaishnavizagare19@gmail.com	7058431426	V.S. Zagare
20)	Yogita Ganesh Mhaske	Yogitamhaske78@gmail.com	7875813116	Y.G. Mhaske

Shri Shivaji Education Society, Amravati
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Department of Physics
Certificate Course in Basics of Nanotechnology

01 September 2025 to 07 February 2026

Name List

Sr. No.	Name of Student	Mail Id	Contact No.	Signature
B. Sc. T. Y.				
1)	Avantika Bhramanand Bhusari	avibhusari07@gmail.com	8010595348	
2)	Gayatri Vishnu Patil	patilgayu@gmail.com	7620036619	
3)	Gayatri Gopalrao Deshmukh	deshmukhgayatri940@gmail.com	9561536267	
4)	Komal Ashok Bhagat	bhagatkomal689@gmail.com	9529741668	
5)	Mayuresh Shivananad Mahimane	mayureshmahimane3005@gmail.com	8262939584	
6)	Om Shrikrusjna Parihar	omParihar1513@gmail.com	8262985680	
7)	Poonam Tulshidas Parihar	PoonamParihar2106@gmail.com	7020840785	
8)	Pratibha Ankush Surushe	pratibhasurushe7@gmail.com	8104951269	
9)	Rohit Bhagwan Sarode	sarodebhagwan4@gmail.com	9322117230	
10)	Sakshi Kantilal Hanwate	hanwatesakshi3@gmail.com	9529966093	
11)	Sarika Anil Yeole	sarusarika1612@gmail.com	7219801612	
12)	Shivshankar Bhagwat Kapse	shankarkapse3@gmail.com	7758849945	
13)	Shreya Rameshsingh Rajput	shreyarajput031@gmail.com	7057463929	
14)	Sujit Satish More	sujitmore9503@gmail.com	8766727836	
15)	Urmila Vijay Kale	urmila161105@gmail.com	8208096078	
16)	Vaishnavi Pandharinath Atole	pantharinathatole@gmail.com	8010215717	
17)	Vaishnavi Rajendra Bhavsar	Vaishnavibhavsar2311@gmail.com	724944244	
18)	Vaishnavi Shivaji Sapkal	vaishnavisapkal135@gmail.com	9322492890	
19)	Sonal Rajendra Devmane	devmaneSonal2@gmail.com	9309892139	
20)	Vaishnavi Dnyaneshwar Upase	upasevaishnavio1@gmail.com	9657399116	

1. Personal Information



Ashwinikumar Umeshchandra Bajpeyee

M. Sc., M. Phil., Ph. D. (Physics)

Department of Physics (Senior & Junior)

Arts, Commerce and Science College, Kiran Nagar

Amravati (M.S.), India. 444 606

E-mail: aubajpeyee@gmail.com

Contact No.: +91-9422157797

Name: Ashwinikumar Umeshchandra Bajpeyee
Nation: India
Address Home: 6A, Parag Township, Krishak Colony,
Ram Nagar, Amravati 444 606 MS (India)
Working Place: Department of Physics, Arts Commerce and Science College,
Narasamma Campus, Kiran Nagar, Amravati
Telephone number: 07212550140,
Mobile Number: 9422157797
Emergency Contact: 07212540793, 9422915140
College Contact and Fax: 07212540793
Electronic Mail Address: aubajpeyee@gmail.com, aubajpeyee@hotmail.com,
aubajpeyee@rediffmail.com, AUBajpeyee@narsammaacsc.org.com
Date of Birth: 21-07-1972
Blood Group: O Rh –ve (Ready to donate after tolerable intervals)
Financial Position: Serving in Semi Government Institution
(earning around Rs. 6, 50, 000/annum)
Identifying number of employee: 10
Marital status: Married
Spouse: **Name:** Sangeeta A. Bajpeyee
Qualification: M. Sc. Chemistry, B. Ed.,
Perusing M. Phil., Ph. D.
Place of Serving: As a Fixed Pay Contributory Teacher for
Junior College at Department of Chemistry, Arts Commerce
and Science College, Narasamma Campus, Kiran Nagar,
Amravati since 9 year.
Family: **Father-** Shri Umeshchandra S. Bajpeyee
Mother- Sau. Lata
Siblings- Anup, Ashish (owned an automobile garage)
Children: 1. Sejal (dob: 07-08-2002) Std. VI (2013-14)
2. Arya (dob: 07-01-2009) Junior II (2013-14)
Language/s Known: English, Marathi, Hindi (with Fluent Conversation)
Category: Open/General
Cast: Brahmin

2. Academic Information

2.1 Educational information

Qualification	Board/ University	Subject/s	Year of Passing	Grade	Remark/s
S.S.C.	Amravati	General	1988	Distinction	--
H.S.S.C.	Amravati	General Science	1990	First	--
B.Sc.	Amravati	Physics, Chemistry, Mathematics	1993	First	--
M.Sc.	Amravati	Physics	1995	First	3 rd Merit SGBAU
B. Ed.	Amravati	Physics Method	1996	First	--
M. Phil. By research	Amravati	Effect of Ca doping on the dielectric properties of PbTiO ₃	2011	Awarded	--
Ph. D. By research	Amravati	Structural & Electrical Studies of Dielectric Layers on Semiconductor	2012	Awarded	--
UGC Norms	Having Good Academic Record as per UGC norms for college teacher				

2.2 Experience and working

2.2.1 Experience (in years)

Category	Total	UG	PG
Academic (Teaching)	17	13	04
Research (Including Projects)	26	17	09

2.2.2 Working/ed Place/s

Course Taught	Subject	Name of College	Duration	Type of Work
U.G. (Physics)	Bio-Physics	Vidyabharati College of Pharmacy, Amravati	01 Year	Fixed Pay
U.G. (Physics)	Physics: Taught all Units	Arts, Commerce & Science College, Kiran Nagar, Amravati Till this year	13 Year	Full Time (SGBAU Approved, continued)
P.G. (Physics)	Physics: Taught Electricity & Magnetism	Vidyabharati Science College, Amravati (1995-1999)	04 Year	Fixed Pay (Management Appointee)
Junior College (Physics)	Physics: Taught all Units	Arts, Commerce & Science College, Kiran Nagar, Amravati	08 Year	Honorary

2.3 Research Papers Published in Journals and Conferences (National/International): 59 +

2.4 Research Papers Presented Conferences (National and International Levels): 31 +

2.5 Books Contributed/ Authored: 13 +

2.6 Current Place of Working: Arts, Commerce & Science College, Kiran Nagar, Amravati

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3. Information about Examinations and Activities

- District Level Mathematics Examination 1985
- Scout (for the years 1985-86, 86-87, 87-88)
- Passed Elementary Grade Drawing Examination 1987
- Passed Intermediate Grade Drawing Examination 1988
- College Level NSS 1993
- Certification of Vocal Songs 1986
- Certification of Music (Harmonium Playing) 1986
- Hindi Rashtrabhasha: Praveshika 1985
- Hindi Rashtrabhasha: Prathama 1986
- Hindi Rashtrabhasha: Subodh 1987
- Painting: Awarded at School Level “Rasa-Ganga” annual Magazine 1982-88
- Certification in “Orator-ship” at School Level 1986-87
- Drama: Participation in Dramas 1986-87

4. Research Contribution

4.1 Published papers in journals and in full conference proceedings: 29 +

4.2 Papers presented in Conferences, Seminars, Workshops, Symposia: 31 +

4.3 Books Published, contributed and/or Authored: 12 +

4.4 Ongoing and Completed Research Projects and Consultancies.

4.4.1 Ongoing Projects

File No.	Title of the Project	Funding Agency	Period (From-to)	Grant / Amount Mobilized (Rs. lacs)
No. F/47-1688/10 (WRO)	Synthesis and electrical characterization of nanostructured strontium doped lead titanate	University Grants Commission	16-03-2011 to 15-03-2013 Status: Completed but Not submitted	Amount Sanctioned 1,60,000/- mobilized 1,35,000/-

4.5 Training Courses, Teaching-Learning-Evaluation Technology Program/Faculty Development Program (not less than one week duration)

Sr. No.	Program	Duration	Organized by
1	UGC Sponsored Refresher Course	04-10-2010 to 21-10-2010	Sant Gadge Baba Amravati University, Amravati (MS)
2	UGC Sponsored Refresher Course	03-03-2010 to 20-03-2010	Sant Gadge Baba Amravati University, Amravati (MS)
3	UGC Sponsored Refresher Course	09-03-2005 to 29-03-2005	Sant Gadge Baba Amravati University, Amravati (MS)
4	UGC Sponsored Orientation Course	24-09-2012 to 22-10-2012	Sant Gadge Baba Amravati University, Amravati (MS)
5	IAPT-Infosys Workshop for U. G. Teachers	24-11-2004 to 29-11-2004	Rashtrasant Tukadoji Maharaj University, Nagpur (MS)

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4.6 Seminars/Conference/Symposia/Conferences Attended only

Sr. No.	Name of Conf./Seminar	Place and Name of Sponsoring Agency	Date & Place Level
1	National Conference on Recent Trends in Composites	Shri. Shivaji Science College , Amravati	28 Feb - 02 Mar 02 2001
2	5 th National Conference on Solid State Ionics	Nagpur Univ.	15-17 Feb. 2002
3	Patent Awareness Workshop	Nagpur Univ.	08 March 2003
4	National Seminar on Science and Technology of Thin Film	Rajashri Shahu College , Latur	16-17 Oct. 2004
5	National Laser Symposium' 2006	Raja Ramanna Centre for Advanced Technology	05-08 Dec. 2006
6	National Seminar on Bio-Physics	J D Patil Sangludkar Mahavidyalaya, Daryapur	19 Feb. 2007
7	A one Day Seminar on Recent Trends in Teaching Basic & Applied Sciences	Phulsing Naik Mahavidyalaya, Pusad	03 Jan. 2009
8	On day seminar on Water, Energy, Environment and Society	Pulsing Naik Mahavidyalaya, Pusad	30 Jan 2010
9	National Seminar on Chemi-Physics	SRRL Science College, Morshi	27 Feb. 2010
10	Workshop on Vivekananda and Einstein's Thoughts	P. G. Department of Physics, SGBAU, Amravati	October 9, 2011
11	Workshop on LED	P. G. Department of Electronics, SGBAU, Amravati	February 4, 2013
12	Workshop on Patent Awareness	SGBAU, Amravati	February 7, 2013

4.7 Research Guide-ship / Supervisor-ship

1. Research Guide at CMJ University, Shilong, Meghalaya
2. Processed at Sant Gadge Baba Amravati University, Amravati

4.8 Reviewer of Journals

- (a) Multi-logic in Science Group honored as a Reviewer for its International Referred & Indexed Quarterly Journal
- (b) In Process for International Journal of Chemical, Biological and Physical Sciences
- (c) In process for the Aarhat Multidisciplinary International Education Research Journal (AMIERj)

4.9 Research Area

- Synthesis of nano-structured solid and liquid dielectric materials
- Applications of dielectric materials as a thin and thick film
- Solar Cells and its Applications especially in electrode materials
- Synthesis of cosmetic materials applicable in Sun-screens and skin protection
- Theoretical Physics especially in Space and Astronomy

5. Membership of bodies/Unions/Organizations/Agencies

- Treasurer of Amravati University Physics Teachers' Association, Amravati
- Member of Indian Association of Physics Teachers (IAPT), Calcutta
- Member of Physical Society of India, Amravati Chapter
- Secretary of Vishwabharati Society for Education and Human Development, Amt
- Secretary of Rashtriya Prashikshan and Shikshan Prasarak Mandal, Amravati
- Vice-President of Institute for Education and Human Development, Paratwada
- Joint-Secretary of Gurukul Shikshan Sanstha, Chikhaldara

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- Honorary Member of Brahmin Mandal, Amravati (2010-2016)
- Member of Indian Science Congress (certificate is not issued)
- Member, Board of Studies in Physics, SGB Amravati University, Amravati
- Member of Lerner's Association for Scientific Education and Research, Pune

6. Sports Achievements / Activities

- Have cleared Service Selection Board's (SSB) Games-Sports 6 days Venture
- Certified at School Level Inter School Tournaments (Kabaddi, Kho-Kho, Badminton, Tenequite)
- Have certified as a Scout Group Leader for Scout Games
- Have certified as a Marched Leader in the School MCC like School Unit

7. Political Career/Achievements

- No Political Achievements till date

8. Social Contribution/s

- Teaching with good presentation and transfer of proper knowledge is itself is highest level social, national contribution.
- Working for Schooling and innovations in it.
- Working for Educating economically backward and students in private job.
- Working as a coordinator cum Counselor of the admission programs of the courses at CMJ University, Shilong.
- Working in different NGO's.
- Have contributed in NSS activities for Social interactions.
- Donated Blood for more than 15 times for needy.
 - Noted in the BB software at
 - Dr. Hedgewar Raktapedhi, Nagpur
 - Sant Gadge Baba Raktapedhi, Badnera
 - Dr. PDMC Blood Bank, Amravati
 - Dr. Dara Blood Bank, Amravati
 - Government Irwin Hospital's Blood Bank, Amravati
- Topic/s of Guest Lecture/s delivered:
 1. Surface Tension
 2. Make "Simple Pendulum as more Complex"
 3. Einstein and Photon of Light
 4. Laser and its Applications
 5. Light and Optics
 6. Magic of Gravity and Space
 7. Sound and Waves
 8. Electrostatics and its Experiences
 9. Electro-Magnetic Induction

9. Self evaluation about profession

9.1 Objectives

- To get ready as self reliant teacher
- To contribute in research at National-International levels
- To contribute in academic administration
- To contribute in financial management and administration

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- To administrate an academic institutions for quality enhancement

9.2 Scope

- To invent new approach in the process of Teaching-Learning
- Fruitful ways of Administrations in the Academic Institutions
- Application/tool based research for social international recognition/s

9.3 Goals Achieved

- As a teacher at 10 + 2 level, Poly-technique, Engineering, Under Graduate, Post Graduate
- Published Research Articles in Journals at National and International Level
- Attended actively and presented Research Articles in the District, University, State, National and International Levels
- Worked on different committees as a head, coordinator, member of the college and the University Committees
- Actively working as an administrator in the following capacity
 - A Treasurer of Amravati University Physics Teachers' Association
 - Member of Co-ordination Committee of NAAC at College Level
 - Member of Internal Quality Assurance Cell of the College
 - Member of Local Enquiry Committee appointed by the Sant Gadge Baba Amravati University, Amravati
 - Member of the Committee for preparation of the Questioner in the subject Physics appointed by Sant Gadge Baba Amravati University Level
 - Organizing Committee of the Research Conference/s
 - Head, Department of Physics, Arts Commerce and Science College, Kiran Nagar, Amravati
 - In charge, Post Graduate Department of Physics, Vidyabharati Mahavidyalaya, Amravati
 - Public Information Officer under RTI' 2005 unit of the College

10. Other area of interest/s

- Experimental work in the Laboratory
- To work on Electronics based Projects
- Projects in Environmental Science and its theoretical base in Physics
- Studies on National/International/CBSE Curriculum and its Learning based Interactive coupling with the Higher Education

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- Teaching to lower classes
- To teach tricks in objective learning
- Ph. D. by research
- M. Phil. By research
- Position of 3rd merit in M. Sc. Physics examination conducted by Amravati University

11. Awards/Achievements

- Best Article Presentation Award at Hanuman Vyayam Prasarak Mandal's College of Engineering and Technology of grade II. (Topic: Science and Environmental Engineering) 2012
- Intermediate Grade Drawing Examination: 3rd in order of Merit (at Maharashtra State Level) 1987
- Intermediate Grade Drawing Examination Awards in Still Life (at Maharashtra State Level) 1987
- Intermediate Grade Drawing Examination Awards in Memory Drawing (at Maharashtra State Level) 1987
- Intermediate Grade Drawing Examination Awards in Geometry Skills (at Maharashtra State Level) 1987

12. Any other related information

12. A) Innovations/Contributions in Teaching

12.1 (a) Teaching Methods

- | | |
|-------------------------------|---|
| *Class Room Regular Teaching | *Seminars |
| *Practical Demonstrations | *Visits to laboratories at VSSRC, BARC, IIT |
| *Seminar-discussions | *Searching books from library and department |
| *Use of OHP | *Construction of Experiments |
| *Regular Use of LCD Projector | *Participation in Students Workshops |
| *Numerical Solving Techniques | *Power point presentations of/by/for students |

12.1 (b) Laboratory Experiments

- | | |
|--------------------------------------|---|
| *Construction of Experiment | *Seminars on Experiments. |
| *Preparation of Sheets for Practical | *Demonstrations of Experiments by the students for the students |

12.2 Preparations of Resource materials

- | | |
|-------------------|--------------------------------------|
| *Internet Surfing | *Visits to the College/other library |
|-------------------|--------------------------------------|

(Vishwabharati.ac.in) Ingredients of Dr. Bajpeyee A. U. 7 of 13

*Department library
*Laboratory Manuals
*Reference books

*self authored books
*Laboratory worksheets
*INFLIBNET-NLIST recourses

12.3 Remedial/Motivational Guidance

*Extra Coaching classes
*Remedial teaching classes are arranged periodically
*Diwali Vacation Classes for those who are needy, requires and failed
*Arranged Guest lecture for Students on the syllabus topic.
*Extra Laboratory Work with students
*Assignments
*Projects for UG students
*Study Tours/visits
*Experimental Model Constructions/kits
*Simulation of experiments from internet

12.4 Extension activities/consultancy/community works

*Study tour: Visits and Giving Lectures in NSS Camps of the College.
*Participation in blood donation camp.
*Poster Competition
*Essay Competition
*Basic Science Knowledge Test
*Colouring Competition on Environmental Awareness
*Visit to Raman Centre, Nagpur (4 times, participation of 176 students)

12. B) Beneficiary of the Knowledge

- **Dange Scientific Trading Company**
(Type of benefit: The commercial organization have got knowledge of micron and submicron level polythene material not to be used in the society for Environmental Protection operated by Municipal Corporation)
- **Ashirwad Construction, Amravati**
(Type of benefit: Got the knowledge of scaling of the gauge and the converted S. I. unit)
- **School Level Experimental Demonstration**
(Type of benefit: Got the knowledge and hand on experiences of science projects included in the syllabi)
- **School Level Coloring Competition**
(Type of benefit: More than four thousand students have got through the coloring competition on the basis of Environmental Awareness)
- **Students at different colleges**
(Type of benefit: Lecture on variety of topics related to the moral ignition, curricula, confidence building, child psychology, ICT applications, Right to Education, Montessori Techniques and issues on social awareness)

12. C) Contribution in the Subject (Physics) Spreading

- Convener of Yearlong program of World Year of Physics 2005
- Coordinator of Workshop on Handling and Care of Electric House wares especially for girls learning UG courses in the city
- Coordinator of Essay Competition on Science and Natural Disaster
- Convener of Poster Show on Natural Disaster
- Coordinator of “Jagar Janiv Abhiyan- Gender Equality 2012”
- Coordinator of “National Science Day Programs 2013” to be participated at the SGBA University
- Convener of Basic Science Knowledge Test for Learners in std. V to PG Level
- Contributed in engaging the Lectures at Post Graduate (MSc) Level in Physics
- Coordinator and Faculty at Junior Science College & Administration 2004-2009
- Head of the Department of Physics at Arts Science and Commerce College, Kiran Nagar, Amravati (2008-2012)

12. D) Contribution in Community Development

- Speech on Fundamental Education and National Service Scheme
- Speech on Self Discipline and National Service Scheme
- Juries for the Inter-Collegiate Seminar Competition
- State Government of Maharashtra organized School Level Students Seminar on Water Problems on the Earth
- State Government of Maharashtra organized School Level Students Seminar on Chandrayan
- State Government of Maharashtra organized Amravati Mahanagar Level Science Exhibition, Nutan Kannya Shala, Amravati
- College Level Extension Activity for the School Students: Speech on “How to Save Electricity” at Arts Commerce and Science College, Kiran Nagar, Amravati
- Speech on College Student and National Service Scheme
- Participated in the “Parent Institutes – Shriram Panchayatan Pranpratishtha Sohala” religious-social Gathering
- Participated in the “Parent Institutes – Ram-Navami Utsava”

12. E) Administrative Assistance in the Institute where serving

- Working as a member, Internal Quality Assurance Cell.
- Working as Information Officer, RTI
- Worked as a member of various college committees.
- Worked as a convener of university level workshop on “Handling and Care of Electric House wares (for Women only)” December 2004
- Worked as a convener of different extension activities.
- Worked for Convener of A yearlong activity “Celebration World Year of Physics 2005”

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- Worked/Working as a Head/member of Academic Committee
- Worked/Working as a Head/member of Admission Committee
- Worked/Working as a Head/member of Infrastructural Committee
- Worked/Working as a Head/member of Publishing Committee
- Worked/Working as a Head/member of Cultural Committee
- Worked/Working as a Head/member of General Administration Committee
- Worked/Working as a Head/member of Student Development Committee
- Worked/Working as a member of NAAC Coordination Committee
- Worked/Working as a member of Quality Assurance Cell
- Worked/Working as a Head/member of Admission Counseling Committee

12. F) Role in University Activities

- University Examination Valuation/s
- Internal Examiner for Practical Examination/s
- External Examiner for Practical Examination/s
- University Written/Practical Examinations Question Paper Setting/Setter
- Answer Book/s Moderator
- Preparation of Objective and Subjective Questioner for University
- Participation in World Year of Physics Programme at University Level
- Subject Expert for Staff Selection Committee (for lecturer in affiliated college)
- Member, Local Enquiry Committee
- Member, Board of Studies in the subject Physics, SGB Amravati University
- Worked as Head, Department of Physics, Arts Commerce and Science College, Kiran Nagar, Amravati

12. G) National Development: Role/ Membership/ Participation in Activities

- Conduct/Invigilation of Examinations organized by Government of Maharashtra
- General Elections of India (One Time)
- General Elections of Maharashtra State (One Time)
- Election of Amravati Municipal Corporation, Amravati (Two Times)
- NSS: Participation in Awareness program of “Pulse Polio” (Frequently)

12. H) Recent Achievement/s:

- Notified as a Member of Board of Studies in the Subject Physics (Faculty of Science) of Sant Gadge Baba Amravati University, Amravati (Maharashtra) India for the tenure 2012-17.
- Coordinator of the PG Courses run by the CMJ University, Shilong (Meghalaya)
- Organizing Committee of the National Conference at Science College, Digras
- Coordinator of Maharashtra Government Projects under “Nucleus Budget Scheme” for ST students to prepare them for Competitive Classes such as Pre Engineering and Pre Medical Tests of State and National Levels.
- Patent: In process as a National Level (Hint: Modified Chemical Process)

12. I) Identifying Features:

- Logic based thoughts and its positive reception
- Hard working for the institute and the society
- Punctual in work
- Regular in the duties assigned
- Passionate for the institution where serving
- Group leadership with individual convincing power
- Ability of Completing work up to the high degree
- High confidence level after proper thinking
- Vision beyond especially in education system and administration
- Abstract thinking for the unexpected problems
- Practical implementation of the plan/s
- Communication and convincing skills and power
- Handling of any situations in disparate circumstances
- Philanthropically acceptance in erroneous situations without self-worth

12. J) Extended Eligibility:

1. Associate Professor (Direct Recruitment) -in 6th Pay Commission
2. Associate Professor (CAS Promotion) -in 6th Pay Commission
3. Professor (Direct Recruitment) -in 6th Pay Commission
4. Director (Academic Staff College) -in 6th Pay Commission
5. Principal (affiliated Colleges) -in 5th Pay Commission

12. K) Credit/s:

1. Arts Commerce and Science College, Kiran Nagar, Amravati
2. Prof. Dr. B. H. Pawar, Ph. D. Supervisor
3. Principal Dr. F. C. Raghuwanshi, M. Phil. Supervisor
4. Colleague friends at Working and Research Place/s
5. Bajpeyee family and its well-wishers

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13. Academic facilitators & Researchers (Physicists)

Name	Address	University Place
Dr. Jagdish Tonanwar	Department of Physics, Karnataka University, Dist: Dharwad	Dharwad (Karnataka)
Dr. Anubhavsingh Gaur	Department of Physics, Pt. Ravishankar Shukla University, Raipur	Raipur (Chattisgarh)
Dr. B. P. Chandra	Director, R & D Section, Shri Shankaracharya College of Engineering and Technology, Bhilai	Bhilai (Maddhya Pradesh)
Dr. Santosh Kumar	Department of Physcis, Professor and Head, Rani Durgawati University, Jabalpur Dist: Jabalpur	Jabalpur (Maddhya Pradesh)
Dr. H. S. Rawat	Raja Ramanna Centre for Advanced Technology, Dist: Indore	Indore (Maddhya Pradesh)
Dr. R. C. Agrawal	Professor & Head, School of Physics in Physics and Astronomical Physics, Pt. Ravishankar Shukla University, Raipur, Pin: 492010	Raipur (Chattisgarh)

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Dr. Uday Raikar	Department of Physics, Karnatak University, Pavate Nagar, Dharwad Dist: Dharwad 580003	Dharwad (Karnataka)
Dr. Kuberkar D G	Department of Physics, Saurashtra University, Rajkot	Rajkot (Gujrath)
Dr. Shahera S. Patel	U. S. I. C. Sardar Patel University, Vallabh Vidya Nagar, Dist: Anand, Gujarath	Anand (Gujrath)
Dr. Nilesh Varshneya	Department of Physics, Devi Ahillya University, Indore Dist: Indore	Indore (Maddhya Pradesh)
Dr. B. D. Shrivastava	Department of Physics, Dhar Government PG College, Dhar	Dhar (Maddhya Pradesh)
Dr. C. H. Bhosale	Department of Physics, Shivaji University, Kolhapur	Kolhapur (Maharashtra)
Dr. A. M. Mahajan	School of Physical Sciences, North Maharashtra University, Jalgaon	Jalgaon (Maharashtra)
Prof. Dr. R. S. Khairnar	Director, School of Physical Sciences, Shri Ramanand Tirth Marathwada University, Vishnupuri, Nanded, Dist: Nanded	Nanded (Maharashtra)
Dr. V. A. Tabhane	Department of Physics, University of Pune, Pune. Dist: Pune	Pune (Maharashtra)
Dr. S. J. Dhoble	Department of Physics, Rastrasant Tukdoji Maharaj University, Nagpur Dist: Nagpur	Nagpur (Maharashtra)
Dr. S. H. Behare	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad Dist: Aurangabad	Aurangabad (Maharashtra)
Dr. Gandhi P. R.	97 – Near Yash Hospital, Telecom Colony, Pratap Nagar Chauk, Nagpur Dist: Nagpur (Maharashtra) 440022 Professor and Head, Ramdeobaba College of Engineering & Technology, Dist: Nagpur	Nagpur (Maharashtra)
Dr. Shirsath M. D.	Department of Physics, Dr. Babasaheb Ambedkar Marathwada University, Aurangabad Dist: Aurangabad	Aurangabad (Maharashtra)
Dr. D. R. Patil	41 - Ram Niwas, Sane Guruji Colony, Parola Dist: Jalgaon 425111 Office: Bulk & Nanomaterial Research Laboratory, Department of Physics, Rani Laxmibai College, Parola. Dist: Jalgaon 425111	Jalgaon (Maharashtra)
Prof. Dr. R. K. Nimat	Department of Physics, Balasaheb Desai College, Patan, Dist: Satara, 415206	Patan (Maharashtra)
Dr. Joshi Uday Dattopant	Dept. of Physics, Dr. Lallan Yadava, DDU Gorakhpur University Gorakhpur- 273009, UP	Gorakhpur (UP)
Dr. V. Ravi Kumar	Dept. of Physics, Acharya Nagarjuna University, Nuzvid- 521201, AP	Nuzvid (AP)
Dr. M. Rami Reddy	Dept. of Physics, Nagarjuna Nagar, 522510, Guntur	Guntur (Karnataka)
Dr. Shailendra Kumar Sharma	Dept. of Physics, Dr. Jairam Manam, Indian School of Mine University,	Dhanbad (Jharkhand)

	Dhanbad- 826004, Jharkhand	
Dr. Basavaraja Sannakki	Dept. of Physics, Gulbarga University, Gulbarga- 585106	Gulbarga (Karnataka)
Dr. Jaydeep V. Sali	Dept. of Physics, North Maharashtra University, Jalgaon- 425001	Jalgaon (Maharashtra)
Dr. V. Geetha	Dept. of Physics, Govt. Victoria College, Palakkad, Kerala	Palakkad (Kerala)
Dr. Sanjay Kumar Awasthi	Dept. of Physics, Govt. Model Science, College, Pachpedi, Jabalpur	Jabalpur (MP)
Dr. Sunil Kumar Bajpai	Dept. of Physics, Govt. Model Science, College, Pachpedi, Jabalpur	Jabalpur (MP)
Dr. Anilkumar	Hindu College, Mooradabad (UP)	Laknow (UP)
Dr. A. K. Sharma	Shri Neelkantheahwar Govt. Postgraduate College, Near Railway Bridge, Civil Lines, Khandwa [M.P.]	Indore (MP)
Dr. B. U. Jadhav	Principal, Shri Shivaji College, Parabhani	Parabhani (Maharashtra)
Dr. R. J. Topare	Assistant Professor, Yogeshwari College, Ambajogai, Dist: Beed	Aurangabad (Maharashtra)
Dr. R. Dhanasekharan	Professor, Crystal Growth Centre, Anna University, Chennai	Chennai (Tamil Nadu)
Dr. S. Kalainathan	Senior Professor, School of Advanced Sciences, VIT University, Vellore 632014	Vellore (Tamil Nadu)
Dr. Kamal Singh	Former VC, SGBAU, Amravati (MS) Retd./ Professor, Department of Physics, R. T. M. University, Nagpur	Nagpur (Maharashtra)

Continued.....

Resume



- **Name:** Dr. S. D. More
- **Qualification:** M.Sc. Ph.D. (Physics)
- **Specialization:** Electronics
- **Designation:** Professor & Head, Department of Physics
Deogiri College, Chhatrapati Sambhajinagar
- **Teaching Experience:** 31 Years
- **Email id:** sdm.5200@gmail.com
- **Contact number:** 9823883133
- **Research area of interest:** Material Science
- **Number of publications:** 46
- **Number of books:** 05
- **Total number of google scholar citations:** 1147
- **h- index:** 13
- **i10 index:** 13
- **Research Students:**
 - Working: 03
 - Awarded: 01

Details of Research guidance

Sr. No.	Name of scholar	Title	Date of Registration	Name of supervisor	Status
1.	Mr H.A.Kulkarni	Supercapacitive Evaluation of Nanostructured Spinel Ferrite Based Electrode Materials for Energy Storage Device Application	01-10- 2021	Dr. S.D.More	In Progress
2.	Mr J.A.Shilwant	Investigations of Electromagnetic Properties of Pure and Doped Spinel Ferrite Nanoparticles	01/01/2018	Dr. S.D.More	In Progress
3.	Mrs A.A.Wadiwale	Investigation of Physical and Magnetic Properties of Some Nanofluids	01/01/2018	Dr. S.D.More	In Progress
4	Mrs R.D.Dhudal	Influence of Synthesis Parameters on the Structural Morphological and Magnetic Properties of Spinel Ferrite	01/01/2018	Dr. S.D.More	Awarded

Details of Research publications

Sr. No.	Title of article	Name of journal	Vol no.	Issue no.	Year	Level	ISSN	Impact factor	Peer reviewed / UGC approved
1	Variation of Curie-temperature of Ni-Ti Ferrite by Using Different Techniques	Journal of Scientific Research and Technology	3	4	2025	International	2583-8660		Peer reviewed
2	Frequency dependance dielectric properties of Zn and Cr substituted copper ferrite system	Science, Technology and Development,	XIV	2	2025	National	0950-0707		Peer reviewed
3	Structural and phase study of $Co_{1-x}Zn_xFe_2O_4$ ($x = 0.8$) with electrical and magnetic analysis	IJMRSET	7	9	2024	National	2582-7219		Peer reviewed
4	Wet-chemical synthesis of $ZnFe_2O_4$ MNPs by sol-gel auto-combustion method, structural, magnetic, and DC-Electrical characterizations	IJARST	4,	1	2024	National	2581-9429		Peer reviewed
5	Cobalt ferrite: an efficient catalyst for waste water treatment	International Journal of Advances in Engineering and Scientific Research,	11	2	2024	International	2349-4824		Peer reviewed
6	Screen Printed SnO_2 Thick Films for Detection of H_2S Gas	Journal of Xi'an University of Architecture & Technology	XV		2023	International	1006-7930		Peer reviewed
7	Fe_2O_3 Loaded SnO_2 thick films developed by Screen Printing Technique for detection of NO_2 gas	Heritage Research Journal	71		2023	National	0474-9030		Peer reviewed

8	Sol-gel auto combustion produced gamma irradiated Ni _{1-x} CdxFe ₂ O ₄ nanoparticles: TGA.UV-Vis. spectra, and Raman spectroscopy	Inter national Research Journal of Engineering and Technology	10		2023	Inter national	2395-0072		Peer reviewed
9	Synthesis, Structural Characterization, and Electrical properties of Cobalt Ferrite Nanoparticles	Inter national Journal of Scientific Research in Science and Technology	11		2023	Inter national	2395-6011		Peer reviewed
10	Fourier transform infrared spectroscopy study of Cr ³⁺ ions substituted copper ferrite nanoparticles	Inter national Journal of Physics and Applications			2023	Inter national	2664-7575		Peer reviewed
11	The Structural and Optical Properties of CoFe ₂ O ₄ Nanoparticles Prepared By Sol - Gel Auto-Combustion Technique	Inter national Journal of Scientific Research in Science and Technology	11	13	2023	Inter national	2395-6011		Peer reviewed
12	X-ray diffraction and infrared characterization of NiFe ₂ O ₄ nanoparticles (NFNPs) prepared using dextrose assisted sol-gel auto-combustion technique	American Institute of Physics conference Proceedings,			2021	Inter-national	0094-243X	0.450	UGC approved
13	Preparation of Nickel ferrite nanoparticles & its applications in nanofluids	Advanced Materials Research	1169		2021	Inter-national	1662-8985	---	Peer reviewed

14	Role of pH on the Structural and Infrared Properties of Nickel Ferrite Nanoparticles Prepared via Sol-Gel Auto Combustion Method	Advanced Materials Research	1169		2021	Inter-national	1662-8985	---	Peer reviewed
15	<u>Frequency</u> Dependence dielectric properties of Cu-Zn nanoferrite prepared by wet-chemical co-precipitation method	Inter national Journal of recent Scientific research	12	2	2021	National	0976-3031		Peer reviewed
16	Particle Size Study of Cd-substituted Cobalt ferrite Synthesized by sol gel Auto combustion method	Inter national Journal for Innovative research in Multidisciplinary field		Special	2020	National	2455-0620		Peer reviewed
17	Influence of fuel to metal nitrate ratio on the structural properties of nickel ferrite	Journal of Physics: Conference Series	1644	1	2020	Intern ational	1742-6588	.540	UGC approved
18	Structural and Chemical Properties of ZnFe ₂ O ₄ Nanoparticles Synthesised by Chemical Co-Precipitation Technique	Journal of Physics: Conference Series	1644	1	2020	Intern ational	1742-6588	.540	UGC approved
19	Investigation on Synthesis, Structural and Electrical properties of Zn ₂₀ nc Ferrite on Gamma Irradiation	Journal of Physics: Conference Series	1644	1	2020	Intern ational	1742-6588	.540	UGC approved
20	<u>Preparation and characterisations of magnetic nanofluid of zinc</u>	Nanomaterials				Intern	2045-		Peer

	<u>ferrite for hyperthermia</u>	and Energy			2020	ational	9831	.192	reviewed
21	<u>Structural, thermal, spectral, optical and surface analysis of rare earth metal ion (Gd³⁺) doped mixed Zn–Mg nano-spinel ferrites</u>	<u>Ceramics International</u>	46	9	2020	International	0272-8842	3.83	UGC approved
22	Magnetic Characterization of Nano-Structured Cd-substituted Cobalt Nanoferrite	Our Heritage	68	12	2020	National	0474-9030	---	UGC approved
23	Recent Developments of India in the field of space science and technology	Our Heritage	68	11	2020	National	0474-9030	---	UGC approved
24	A one pot three component synthesis of Spirooxindoles using Cu nanoparticles grafted on carbon microspheres as catalyst	European Chemical Bulletin	8	5	2019	International	2063-5346		Peer Reviewed
25	Solgel auto combustion synthesis and characterizations of cobalt ferrite nanoparticles :Different fuels Approach	Materials Science & Engineering B	248		2019	International	0921-5107	3.507	UGC approved
26	Evaluation of thermal conductivity of the NiFe ₂ O ₄ ferrofluids under influence of magnetic field	American Institute of Physics conference Proceedings	2115	1551-7616	2019	International		-----	UGC approved

27	Exploration of thermo acoustics behavior of water based nickel ferrite nanofluids by ultrasonic velocity method	Journal of Materials Science			2019	Inter national	0957-4522	2.993	UGC approved
28	Structural and Magnetic Properties of Cobalt ferrite Nanoparticles	Journal of Applied Science And Computations	6	1	2019	Inter national	1076-5131	----	UGC approved
29	Sol-gel Auto combustion Synthesis Structural and Magnetic Properties of MnDoped Zn Nanoparticles	Procedia Manufacturin g	20		2018	Inter national	2351-9789	2.43	UGC approved
30	Enhancement in Physical Properties of CD substituted Copper Ferrite.	World Journal of Pharmaceutic al Research	7	12	2018	Inter national	2277-7105	---	UGC approved
31	Effect of magnesium substitution on the structural, morphological, optical and wettability properties of cobalt ferrite thin films	Physica B: Condensed Matter	555		2018	Inter national	0921-4526	1.453	UGC approved
32	Enhancement in surface area and magnetization of CoFe ₂ O ₄ nanoparticles for targeted drug Delivery application.	American Institute of Physics conference Proceedings			2018	Inter national	0094-243X	---	UGC approved
33	Pyrolytic Spray Deposition and Characterization of Nanocrystalline Cobalt FerriteThin	Journal of emerging technologies And innovative research	5	12	2018	Inter national		----	UGC approved

	Film.								
34	Structural and Magnetization Behaviour in Magnetically Diluted Nickel Ferrite at Nanoscale	International Research Journal of Science and Engineering	A1	Special Issue	2017	International	2322-0015	-----	UGC approved
35	Structural behavior of Cd-substituted cobalt ferrite nanoparticles	International journal of Advanced Research in Basic and Applied Sciences		Special Issue	2017	International	2394-4072	-----	UGC approved
36	Cation distribution studies on sol-gel synthesized Co-Zn spinel ferrite nanoparticles,	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072		Peer reviewed
37	Structural and infrared properties of MgFe _{1.8} Cr _{0.2} O ₄ : impact of synthesis route	International Jr. of advanced research in Basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
38	Effect of tartaric acid as a fuel on the synthesis and structural characterization of cobalt ferrite nanoparticles	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
39	Synthesis and characterization of copper ferrite nanoparticles by wet chemical Co-precipitation technique	International Jr. of advanced research in basic and applied sciences	2	1	2015	International	2394-4072	-----	Peer reviewed
40	Synthesis, Structural and Infrared Spectral Studies on Copper Ferrite Nanoparticles	Science Park Research Journal			2014	National	2321-8045	-----	Peer reviewed

41	Influence of Chromium substitution on the magnetic properties of Copper ferrite Nanoparticles.	Bionano Frontier	6	4	2013	National	0974-0678	----	Peer reviewed
42	Role of Cr ³⁺ substitution on electrical and dielectric behavior of Cu- ferrite Nanoparticles	Inter national Journal of Engineering and Advanced Technology	3	2	2013	Internati onal	2249-8958	-----	Peer reviewed
43	Effect of aluminium on structural and magnetic properties of Y _{2.8} Eu _{0.2} Fe _{5x} Al _x O ₁₂ Garnet	Indian Streams Research Journal	3	3	2013	Natio nal	2230-7850	-----	Peer reviewed
44	Effect of Zinc substitution on structural and elastic properties of cobalt ferrite	Journal of alloys and compounds	488		2010	Inter nati onal	0925-8388	2.67	UGC approved
45	Development of nanosize nickel ferrite and effect of sintering temperature on the structural properties of nanosize nickel ferrite	Journalof Bionano Frontier		Speci al Issue	2010	Nati onal	0974-0678	---	Peer reviewed
46	Synthesis and characterizat ion of Nano crystalline Cu-Zn spinelferrites	Journal of Bionano Frontier		Speci al Issue	2010	Nati onal	0974-0678	-----	Peer reviewed

Research projects completed

Sr. No.	Title of project	Sponsored by	Agency	Period	Amount	Status
1	Preparation and Characterization of Metal Oxide Nanofluids for Heat Transfer Applications	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad.	Dr. Babasaheb Ambedkar Marathwada University, Aurangabad	2018-2019	RS 35,000	Completed

Chapters published in books

Sr. No.	Name of teacher / author	Title of book	Title of chapter	Publisher	Year of publication	ISBN
1	Dr S.D.More	Current Research in Science and Technology	Various Techniques to Study the Magnetic Properties of Ferrite Material	Rushi Publication	2025	978-81-961555-0-6
2	Dr S.D.More	Interdisciplinary Research in Science and Technology	Dielectric Measurement Studies of $Cu_{1-x}Zn_xFe_2O_4$	Rushi Publication	2024	978-81-961555-0-6
3	Dr S.D.More	Advanced research in Science and technology	Structural and Magnetic study of Copper ferrite Nanoparticles	Rushi Publication	2023	978-81-961555-0-6
4	Dr S.D.More	Objective Physics	Elasticity 8-13	Rushi Publication	2022	978-81-929628-3-2
5	Dr S.D.More	The Science of Energy	Elastic Energy	Rushi	2020	978-81-929628-3-2

Books published

Sr No.	Name of teacher / author	Title of Book with no. of papers	Publisher Name	ISBN
1	S.D.More	Properties of Matter Alchemy of Substances	Lambert Publishers	978-620-7-45524-9



Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College
Chikhli, Dist. Buldana- 443201(MS).



Department of Physics

Report on Certificate Course in Basics of Nanotechnology

- 1) **Title of the Activity:** Certificate Course in Basics of Nanotechnology
- 2) **Date:** 01/09/2025 to 07/02/2026
- 3) **Notice:** A leaflet of the program display on notice board
- 4) **Organizer:** Dr. P. R. Padole (Principal)
- 5) **IQAC Cordinator:** Dr. V. U. Pochhi
- 6) **PM-USHA Coordinator:** Dr. S. I. Jukkalkar
- 7) **Convenor:** Dr. V. B. Huse
- 8) **Course Coordinator:** Dr. P. B. Nalle
- 9) **Members:** Dr. P.P. Padghan & Dr. D. N. Bhoyar
- 10) **No of Participants:** 40
- 11) **The Practice/Activity:**

Department of Physics of Shri Shivaji Science College Chikhli, organized Certificate Course in Basics of Nanotechnology which is held during duration 01 September 2025 to 07 February 2026. First of all, welcome address is given by Convenor of course Dr. V. B. Huse.

Dr. Pallavi B. Nalle introduced the course and gives the details information of all modules such as Module 1: Introduction to Nanotechnology which covers topics Nanoscience, Nanoparticles, History of nanoparticles, Nanotechnology, Effect of size on nanoparticles. Module 2: Nanomaterials, types of nanomaterials, properties of nanomaterials (structural, morphological, electrical, magnetic, optical, superconductivity), application and drawbacks of nanomaterials. Module 3: Preparation Methods such as Synthesis of Nanomaterials, types of synthesis method, physical method, chemical method, weight chemical method, green synthesis, application and drawbacks of synthesis methods. Module 4: Characterization Techniques which covers the topics TG-DTA, XRD, FTIR, SEM, TEM, 2/4 Prob Method (DC Resistivity), LCR-Q Meter (Dielectric), VSM etc. Dr. A. U. Bajpayee Department of Physics (Senior & Junior) Arts, Commerce and Science College, Kiran Nagar Amravati and Dr. S. D. More Professor & Head, Department of Physics, Deogiri College, Chhatrapati Sambhajinagar delivered lecture on above modules.

Case study of nanomaterials was completed by Dr. D.N. Bhoyar in which he covers the case

study of Oxides, ferrites, perovskite, graphene etc. After all the sessions the question answer carried out to solve student's queries. Practical session is taken in offline mode in Department of Physics by all physics teacher with help of non-teaching staff Mr. E. L. Jadhao & Mr. A. B. Bahekar. Students given the examination & submitted assignments. In this way overall lecture and practical are taken and course is completed.

Action Taken:

1. It is decided to organize Certificate Course in Basics of Nanotechnology to learn and understand nanotechnology and how research works to do in material science.
2. A committee for the organization for the program was formed.
3. The members of the committee are mentioned in above report.
4. The work was distributed among the committee members.
5. A Boucher of the program was prepared and display on the college notice board.
6. Lecture are taken online and offline mode.
7. As a result of participating in the "Certificate Course in Basics of Nanotechnology" will be able to learn and understand nanotechnology and how research works to do in material science.
8. Feedbacks of participants were collected analyzed.



Dr. P. B. Nalle
Course Coordinator
& HOD



Dr. S. I. Jukkalkar
PM-USHA Coordinator



Dr. V. U. Pochhi
IQAC Coordinator



Dr. P. R. Padole
Principal

Shri Shivaji Education Society, Amravati.
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
Department of Physics
Certificate Course in Basics of Nanotechnology
01 September 2025 to 07 February 2026
Assignment & Test

Sr. No	Name	Group No.	Topic
1	Abhishek Gajanan Ingle	1	Case study of Oxides Nanomaterial
2	Adinath Baliram Mahale		
3	Aditya Bhagwan Gaikwad		
4	Anjali Anil Patil		
5	Anuja Gajanan Borul		
6	Ishwari Siddusingh Jadhav		
7	Priyanka Bhagwan Raut		
8	Priyanka Vijay Jadhav		
9	Rameshwar Dnyaneshwar Mahale		
10	Rutuja Nivrutti Bhusari		
1	Sakshi Prabhu Lande	2	Case study of Ferrites Nanomaterial
2	Sakshi Sunil Dukare		
3	Samiksha Keshrao Deshmukh		
4	Samradnyi Valmik Ambhore		
5	Sanika Ramesh Deshmukh		
6	Shrushti Raju Deshmukh		
7	Tanvi Nandkishor Maske		
8	Vaishnavi Baburao Sawade		
9	Vaishnavi Shrikisan Zagare		
10	Yogita Ganesh Mhaske		
1	Avantika Bhramanand Bhusari	3	Case study of Perovskite Nanomaterial
2	Gayatri Vishnu Patil		
3	Gayatri Gopalrao Deshmukh		
4	Komal Ashok Bhagat		
5	Mayuresh Shivananad Mahimane		

Certificate Course in Basics of Nanotechnology [2025-2026] by PM-USHA Grant Component 3.0

6	Om Shrikusjna Parihar		
7	Poonam Tulshidas Parihar		
8	Pratibha Ankush Sureshe		
9	Rohit Bhagwan Sarode		
10	Sakshi Kantilal Hanwate		
1	Sarika Anil Yeole	4	Case study of Graphene Nanomaterial
2	Shivshankar Bhagwat Kapse		
3	Shreya Rameshsingh Rajput		
4	Sujit Satish More		
5	Urmila Vijay Kale		
6	Vaishnavi Pandharinath Atole		
7	Vaishnavi Rajendra Bhavsar		
8	Vaishnavi Shivaji Sapkal		
9	Sonal Rajendra Devmane		
10	Vaishnavi Dnyaneshwar Upase		

Syllabus of Assignment	Format of Assignment
Case study of nanomaterial: 1] Oxides 2] Ferrites 3] Perovskite 4] Graphene	1] Title 2] Summery 3] Introduction 4] Methods 5] Conclusions 6] References
➤ Note: Submit your assignment on 04/02/2026 [Wednesday] till 5:30 pm in given format	
➤ Link of Online Test: https://forms.gle/2mir1NoYBppnLaWH7	

Co-ordinator

HOD

Certificate Course in Basics of Nanotechnology [2025-2026] by PM-USHA Grant Component 3.0

Shri Shivaji Education Society, Amravati.
Shri Shivaji Science and Arts College, Chikhli Dist. Buldhana.
Department of Physics
Certificate Course in Basics of Nanotechnology

01 September 2025 to 07 February 2026

Signature List

Date:

Sr. No.	Name of Student	Internal Signature	Theory Signature	Practical Signature
1.	Abhishek Gajanan Ingle	A.G. Ingle	A.G. Ingle	A.G. Ingle
2.	Adinath Baliram Mahale	Adinath	Adinath	Adinath
3.	Aditya Bhagwan Gaikwad	ASGaikwad	ASGaikwad	ASGaikwad
4.	Anjali Anil Patil	APatil	APatil	APatil
5.	Anuja Gajanan Borul	A.G. Borul	A.G. Borul	A.G. Borul
6.	Ishwari Siddusingh Jadhav	I.S. Jadhav	I.S. Jadhav	I.S. Jadhav
7.	Priyanka Bhagwan Raut	PRaut	PRaut	PRaut
8.	Priyanka Vijay Jadhav	PJadhav	PJadhav	PJadhav
9.	Rameshwar Dnyaneshwar Mahale	RMahale	RMahale	RMahale
10.	Rutuja Nivrutti Bhusari	R.N. Bhusari	R.N. Bhusari	R.N. Bhusari
11.	Sakshi Prabhu Lande	S.Lande	S.Lande	S.Lande
12.	Sakshi Sunil Dukare	S.Dukare	S.Dukare	S.Dukare
13.	Samiksha Keshrao Deshmukh	S.K. Deshmukh	S.K. Deshmukh	S.K. Deshmukh
14.	Samradnyi Valmik Ambhore	VAmbhore	VAmbhore	VAmbhore
15.	Sanika Ramesh Deshmukh	S.R. Deshmukh	S.R. Deshmukh	S.R. Deshmukh
16.	Shrushti Raju Deshmukh	SDeshmukh	SDeshmukh	SDeshmukh
17.	Tanvi Nandkishor Maske	T.N. Maske	T.N. Maske	T.N. Maske
18.	Vaishnavi Baburao Sawade	V.B. Sawade	V.B. Sawade	V.B. Sawade

Certificate Course in Basics of Nanotechnology [2025-2026] by PM-USHA Grant Component 3.0

19.	Vaishnavi Shrikisan Zagare	V.S.Zagare	V.S.Zagare	V.S.Zagare
20.	Yogita Ganesh Mhaske	Y.G.Mhaske	Y.G.Mhaske	Y.G.Mhaske
21.	Avantika Bhramanand Bhusari	A.B.	A.B.	A.B.
22.	Gayatri Vishnu Padghan	G.Pati	G.Pati	G.Pati
23.	Gayatri Gopalrao Deshmukh	G.Deshmukh	G.Deshmukh	G.Deshmukh
24.	Komal Ashok Bhagat	A.Bhagat	A.Bhagat	A.Bhagat
25.	Mayuresh Shivananad Mahimane	M.Mahimane	M.Mahimane	M.Mahimane
26.	Om Shrikusjna Parihar	O.Parihar	O.Parihar	O.Parihar
27.	Poonam Tulshidas Parihar	P.Parihar	P.Parihar	P.Parihar
28.	Pratibha Ankush Sureshe	P.Sureshe	P.Sureshe	P.Sureshe
29.	Rohit Bhagwan Sarode	R.Sarode	R.Sarode	R.Sarode
30.	Sakshi Kantilal Hanwate	S.Hanwate	S.Hanwate	S.Hanwate
31.	Sarika Anil Yeole	S.Yeole	S.Yeole	S.Yeole
32.	Shivshankar Bhagwat Kapse	S.Kapse	S.Kapse	S.Kapse
33.	Shreya Rameshsingh Rajput	S.Rajput	S.Rajput	S.Rajput
34.	Sujit Satish More	S.More	S.More	S.More
35.	Urmila Vijay Kale	U.Kale	U.Kale	U.Kale
36.	Vaishnavi Pandharinath Atole	V.Atole	V.Atole	V.Atole
37.	Vaishnavi Rajendra Bhavsar	V.Bhavsar	V.Bhavsar	V.Bhavsar
38.	Vaishnavi Shivaji Sapkal	V.Sapkal	V.Sapkal	V.Sapkal
39.	Sonal Rajendra Devmane	S.Devmane	S.Devmane	S.Devmane
40.	Vaishnavi Dnyaneshwar Upase	V.Upase	V.Upase	V.Upase


Co-ordinator

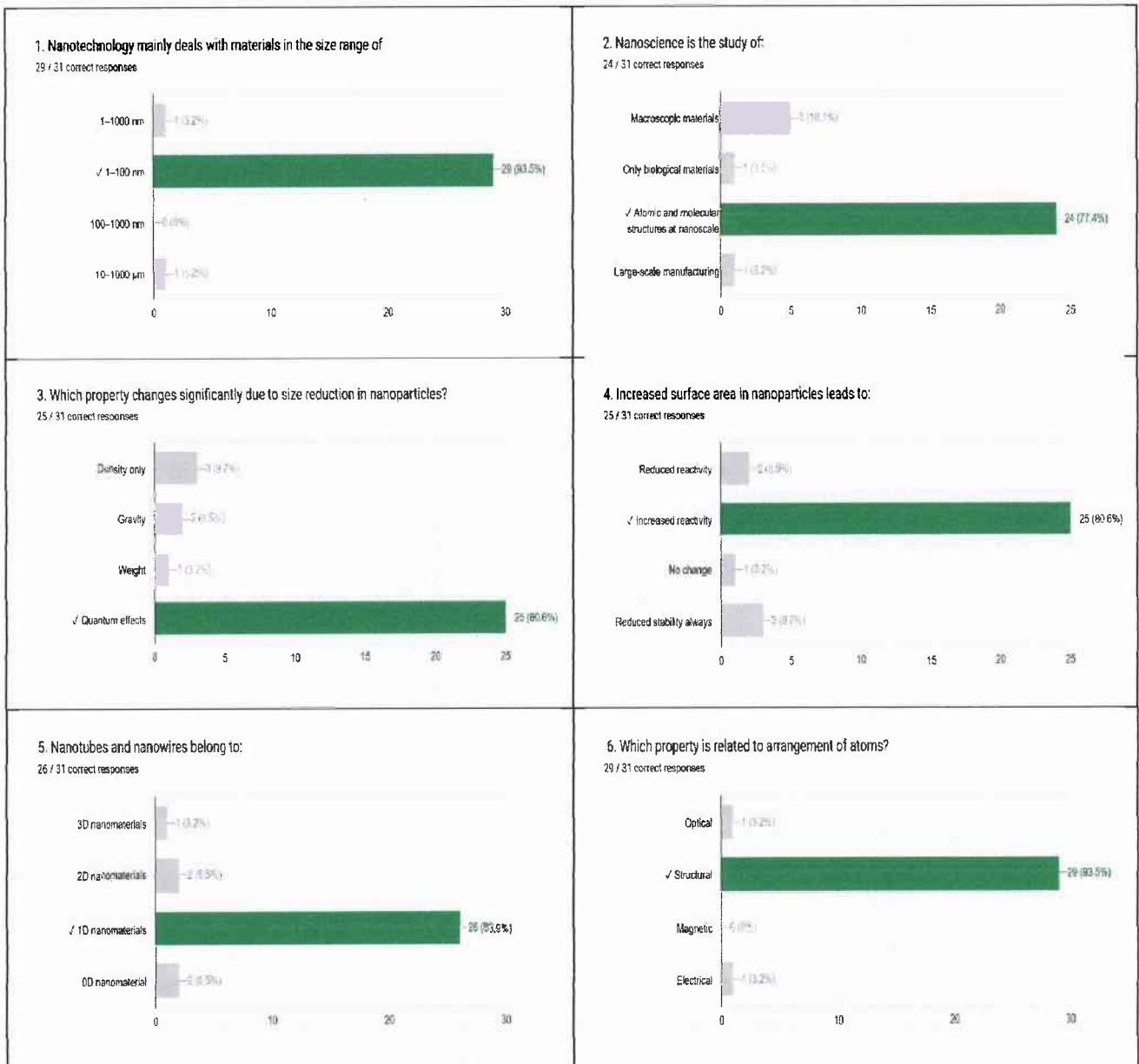

HOD

Certificate Course in Basics of Nanotechnology [2025-2026] by PM-USIIA Grant Component 3.0

Shri Shivaji Education Society, Amravati.
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
Department of Physics
Certificate Course in Basics of Nanotechnology
01 September 2025 to 07 February 2026

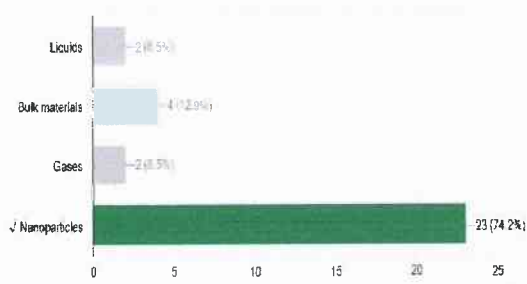
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Online Test Responses:



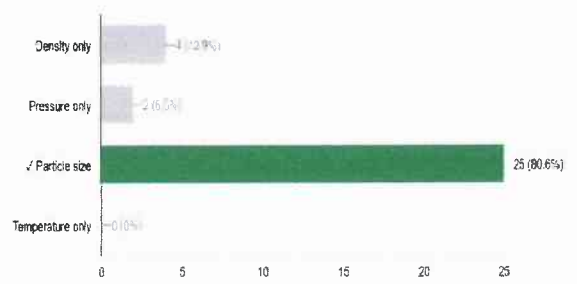
7. Superparamagnetism is observed in:

23 / 31 correct responses



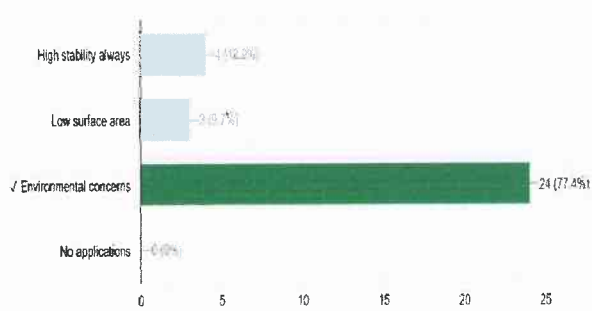
8. Optical properties of nanomaterials depend mainly on:

25 / 31 correct responses



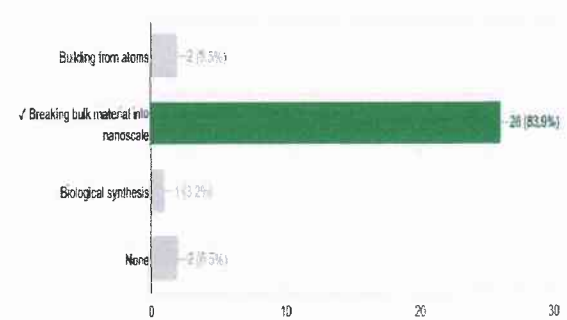
9. One major drawback of nanomaterials is:

24 / 31 correct responses



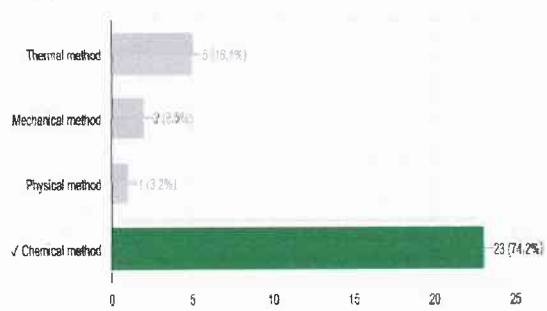
10. Top-down approach refers to:

26 / 31 correct responses



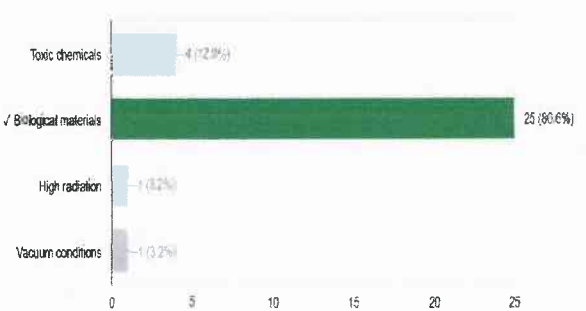
11. Sol-gel method is:

23 / 31 correct responses



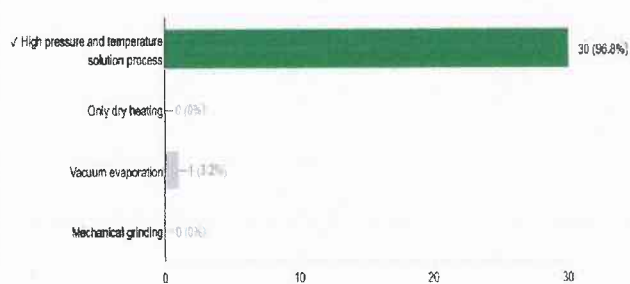
12. Green synthesis uses:

25 / 31 correct responses



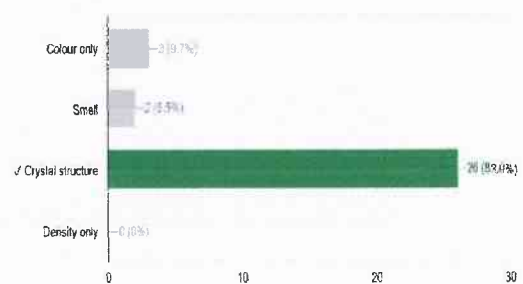
13. Hydrothermal method involves:

30 / 31 correct responses



14. XRD is used to determine:

26 / 31 correct responses



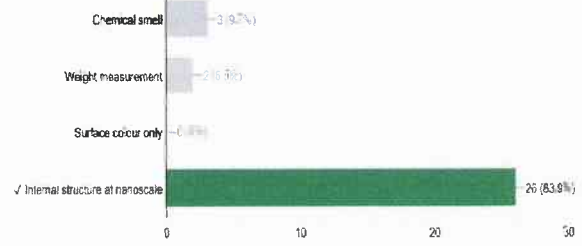
15. SEM stands for:

29 / 31 correct responses



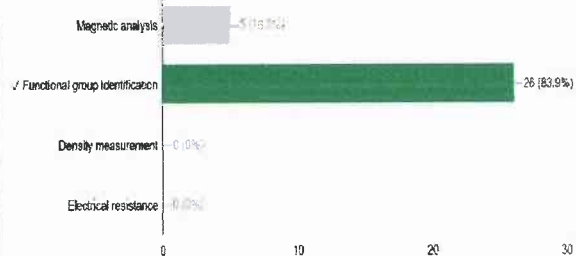
16. TEM provides information about:

26 / 31 correct responses



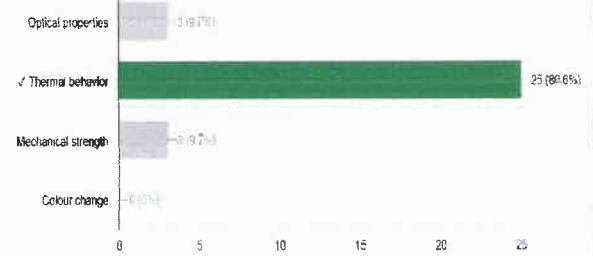
17. FTIR is used for:

26 / 31 correct responses



18. TG-DTA analysis measures:

25 / 31 correct responses



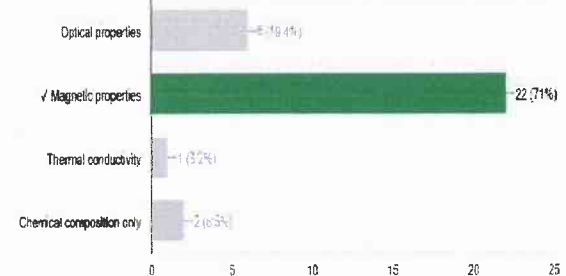
19. Four-probe method is used to measure:

25 / 31 correct responses



20. VSM technique studies:

22 / 31 correct responses



Shri Shivaji Education Society, Amravati.
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
Department of Physics
Certificate Course in Basics of Nanotechnology
01 September 2025 to 07 February 2026

Sr. No.	Name of Student	Internal 20 Marks	Theory 40 Marks	Practical 40 Marks	Total 100 Marks
1.	Abhishek Gajanan Ingle	18	28	38	84
2.	Adinath Baliram Mahale	19	38	38	95
3.	Aditya Bhagwan Gaikwad	18	30	38	86
4.	Anjali Anil Patil	19	14	38	71
5.	Anuja Gajanan Borul	19	28	39	86
6.	Ishwari Siddusingh Jadhav	19	34	38	91
7.	Priyanka Bhagwan Raut	18	40	38	96
8.	Priyanka Vijay Jadhav	19	18	39	76
9.	Rameshwar Dnyaneshwar Mahale	19	38	39	96
10.	Rutuja Nivrutti Bhusari	18	30	38	86
11.	Sakshi Prabhu Lande	19	32	38	89
12.	Sakshi Sunil Dukare	19	36	39	94
13.	Samiksha Keshrao Deshmukh	19	32	39	90
14.	Samradnyi Valmik Ambhore	19	32	38	89
15.	Sanika Ramesh Deshmukh	18	40	39	97
16.	Shrushti Raju Deshmukh	19	30	38	87
17.	Tanvi Nandkishor Maske	18	30	39	87
18.	Vaishnavi Baburao Sawade	19	26	38	83
19.	Vaishnavi Shrikisan Zagare	19	34	39	92

Certificate Course in Basics of Nanotechnology [2025-2026] by PM-USHA Grant Component 3.0

20.	Yogita Ganesh Mhaske	19	30	38	87
21.	Avantika Bhramanand Bhusari	19	38	39	96
22.	Gayatri Vishnu Patil	18	36	39	95
23.	Gayatri Gopalrao Deshmukh	18	36	38	92
24.	Komal Ashok Bhagat	18	34	39	91
25.	Mayuresh Shivananad Mahimane	19	40	38	97
26.	Om Shrikrusjna Parihar	19	40	39	98
27.	Poonam Tulshidas Parihar	19	40	39	98
28.	Pratibha Ankush Surushe	18	40	38	96
29.	Rohit Bhagwan Sarode	19	34	39	92
30.	Sakshi Kantilal Hanwate	19	32	39	90
31.	Sarika Anil Yeole	18	14	38	70
32.	Shivshankar Bhagwat Kapse	19	38	39	96
33.	Shreya Rameshsingh Rajput	18	40	39	97
34.	Sujit Satish More	18	40	38	96
35.	Urmila Vijay Kale	19	40	38	97
36.	Vaishnavi Pandharinath Atole	19	40	39	98
37.	Vaishnavi Rajendra Bhavsar	19	40	38	97
38.	Vaishnavi Shivaji Sapkal	18	40	39	97
39.	Sonal Rajendra Devmane	18	30	38	86
40.	Vaishnavi Dnyaneshwar Upase	19	16	39	74

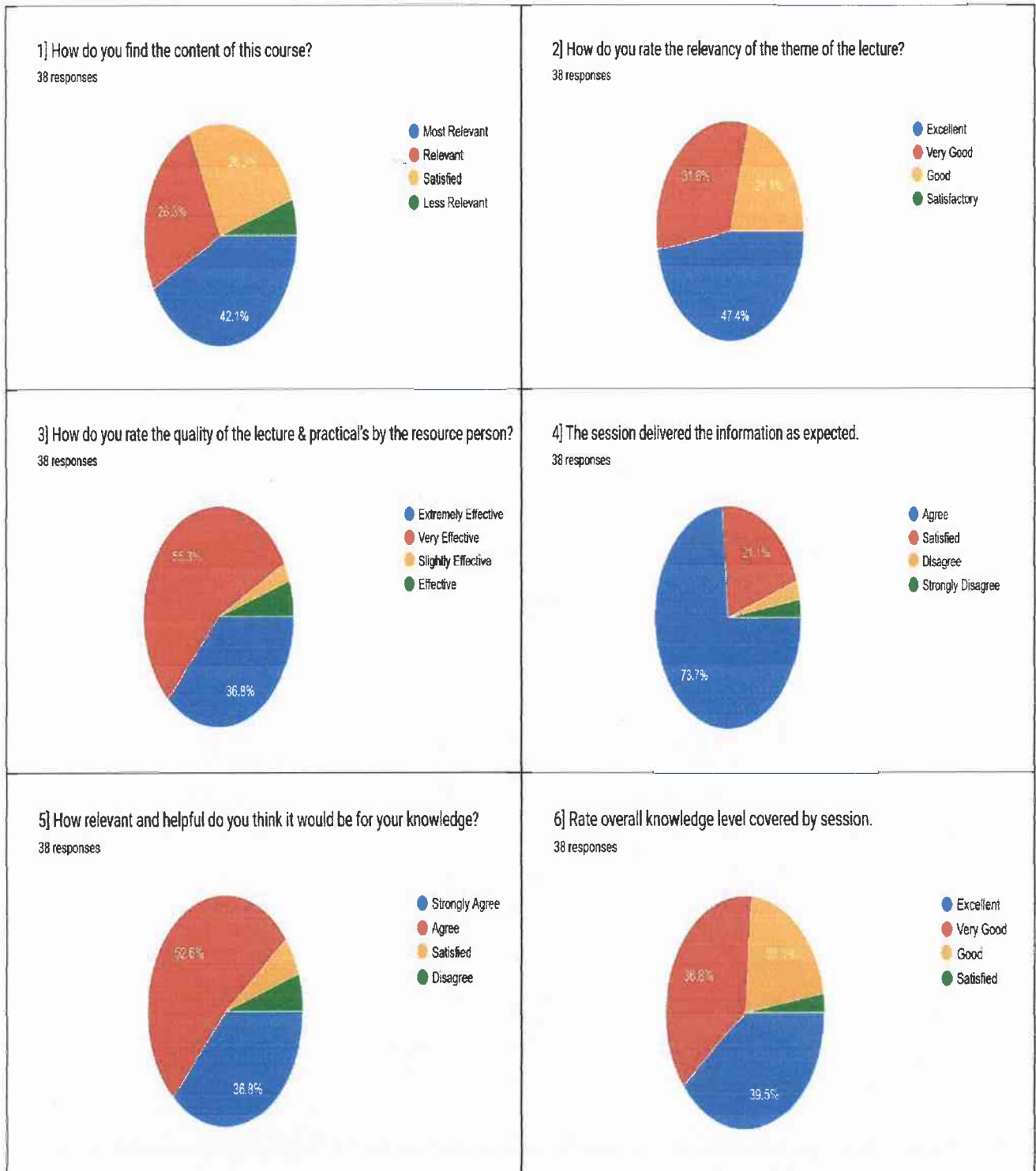

Co-ordinator


HOD

Certificate Course in Basics of Nanotechnology [2025-2026] by PM-USHA Grant Component 3.0

Feedback & Action Taken:

Feedback: The overall feedback of the participants about course as follows,



Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
 Department of Physics
 Certificate Course in Basics of Nanotechnology

01. September. 2025 to 07. February.. 2026

**B. Sc. Second Year
 Attendance**

Sr. No	Month: July 2025 Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
	Name of the students						S						S								S																	
1.	Abhishek Gajanan Ingle						U						U								U																	
2.	Adinath Baliram Mahale						N						N								N																	
3.	Aditya Bhagwan Gaikwad						D						D								D																	
4.	Anjali Anil Patil						A						A								A																	
5.	Anuja Gajanan Borul						Y						Y								Y																	
6.	Ishwari Siddhusingh Jadhav																																					
7.	Priyanka Bhagwan Raut																																					
8.	Priyanka Vijay Jadhav																																					
9.	Rameshwar Dnyaneshwar Mahale																																					
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13.	Samiksha Keshrao Deshmukh																																					
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15.	Sanika Ramesh Deshmukh																																					
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17.	Tanvi Nandkishor Maske																																					
18.	Vaishnavi Baburao Sawade																																					
19.	Vaishnavi Shirikisan Zagare																																					
20.	Yogita Ganesh Mhaske																																					

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
 Department of Physics

Certificate Course in Basics of Nanotechnology

01. September 2025 to 07. February 2026

B. Sc. S. Y.
Attendance

Sr. No.	Month: August 2025 Date	Name of the students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31					
1.		Abhishek Gajanan Ingle	A	S	U	A	A	A	A	A	A	S	A	A	A	A	I	S	U	A	A	A	A	A	S	U	A	A	A	A	A	S						
2.		Adinath Baliram Mahale	N	N	N	N	N	N	N	N	N	N	N	N	N	N	D	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N					
3.		Aditya Bhagwan Gaitwad	D	D	D	D	D	D	D	D	D	D	D	D	D	D	E	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D					
4.		Anjali Anil Patil	A	A	A	A	A	A	A	A	A	A	A	A	A	A	P	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A					
5.		Anuja Gajanan Borul	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	E	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y					
6.		Ishwari Siddusingh Jadhav	S	S	S	S	S	S	S	S	S	S	S	S	S	S	N	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S					
7.		Priyanka Bhagwan Raut	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
8.		Priyanka Vijay Jadhav	P	P	P	P	P	P	P	P	P	P	P	P	P	P	E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P				
9.		Rameshwar Dnyaneshwar Mahale	P	P	P	P	P	P	P	P	P	P	P	P	P	P	N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
10.		Rutuja Nivrutti Bhusari	P	P	P	P	P	P	P	P	P	P	P	P	P	P	C	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P			
11.		Sakshi Prabhu Lande	P	P	P	P	P	P	P	P	P	P	P	P	P	P	E	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
12.		Sakshi Sumil Dukare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
13.		Samiksha Keshrao Deshmukh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	D	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	
14.		Samradnyai Valmik Ambhore	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
15.		Sanika Ramesh Deshmukh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16.		Shrushti Raju Deshmukh	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17.		Tanvi Nandkishor Maske	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18.		Vaishnavi Baburao Sawade	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19.		Vaishnavi Shrikisan Zagare	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
20.		Yogita Ganesh Mhaske	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.

Department of Physics
 Certificate Course in Basics of Nanotechnology

01. September 2025 to 07. February 2026
J. 2026

B. Sc. S. Y.
Attendance

Sr. No.	Month: September 2025	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Name of the students																																
1. Abhishek Gajanan Ingle	A	A	A	A	I	I	A	U	A	A	A	A	A	A	U	A	A	A	A	A	A	U	A	A	A	A	A	A	U	A	A	
2. Adinath Baliram Mahale	A	A	A	A	D	D	A	N	A	A	A	A	A	N	N	A	A	A	A	A	N	N	A	A	A	A	A	N	N	A	A	
3. Aditya Bhagwan Gaikwad	A	A	A	A	-	-	A	D	A	A	A	A	A	D	D	A	A	A	A	A	D	D	A	A	A	A	A	D	D	A	A	
4. Anjali Anil Patil	A	A	A	A	E	E	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
5. Anuja Gajanan Borul	A	A	A	A	-	-	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
6. Ishwari Siddusinh Jadhav	A	A	A	A	M	M	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
7. Priyanka Bhagwan Raut	A	A	A	A	I	I	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
8. Priyanka Vijay Jadhav	A	A	A	A	L	L	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
9. Rameshwar Dnyaneshwar Mahale	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
10. Rutuja Nivrutti Bhusari	A	A	A	A	D	D	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
11. Sakshi Prabhu Lande	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
12. Sakshi Sunil Dukare	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
13. Samiksha Keshrao Deshmukh	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
14. Samradnyi Valmik Ambhore	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
15. Samika Ramesh Deshmukh	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
16. Shrushti Raju Deshmukh	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
17. Tanvi Nandkishor Maske	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
18. Vaishnavi Baburao Sawade	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
19. Vaishnavi Shrikisan Zagare	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
20. Yogita Ganesh Mhaske	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
 Department of Physics
 Certificate Course in Basics of Nanotechnology

01. September 2025 to 07. February 2026
y.. 2026

B. Sc. S. Y.
Attendance

Sr. No.	Month: October 2025	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
Name of the students	D	A	A	S	A	U	A	A	A	A	A	A	S							S	U	L	D				S	U							
1. Abhishek Gajanan Ingle	A	A	A	U	A	A	A	A	A	A	A	A	U								U	A	I				U	N							
2. Adinath Baliram Mahale	S	S	S	N	N	N	N	N	N	N	N	N	N								N	X	P				N	I							
3. Aditya Bhagwan Gaikwad	E	E	E	D	D	D	D	D	D	D	D	D	D								D	M	A				D	V							
4. Anjali Anil Patil	R	R	R	A	A	A	A	A	A	A	A	A	A								A	I	W				A	E							
5. Anuja Gajanan Bortul	A	A	A	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y								Y		A				Y	R							
6. Ishwari Siddusingh Jadhav																																			
7. Priyanka Bhagwan Raut																																			
8. Priyanka Vijay Jadhav																																			
9. Rameshwar Dnyaneshwar Mahale																																			
10. Rutuja Nivrutti Bhusari																																			
11. Sakshi Prabhu Lande																																			
12. Sakshi Sunil Dukare																																			
13. Samiksha Keshrao Deshmukh																																			
14. Samradnyi Valmik Ambhore	A	A	A																																
15. Sanika Ramesh Deshmukh																																			
16. Shrushti Raju Deshmukh																																			
17. Tanvi Nandkishor Maske																																			
18. Vaishnavi Baburao Sawade																																			
19. Vaishnavi Shrikisan Zagare																																			
20. Yogita Ganesh Mhaske																																			

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
 Department of Physics
 Certificate Course in Basics of Nanotechnology

01. September 2025 to 07 February... 2026

B. Sc. S. Y.
Attendance

Sr. No.	Month: November 2025	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
	Name of the students																																	
1.	Abhishek Gajanan Ingle	S			G					S						S															S			
2.	Adimath Baliram Mahale	U			U					U						U																U		
3.	Aditya Bhagwan Gaikwad	N			R					N						N																N		
4.	Anjali Anil Patil	D			U					D						D																D		
5.	Anuja Gajanan Borul	A			N					A						A																	A	
6.	Ishwari Siddusingh Jadhav	Y			A					Y						Y																	Y	
7.	Priyanka Bhagwan Raut				N																													
8.	Priyanka Vijay Jadhav				A																													
9.	Rameshwar Dnyaneshwar Mahale				K																													
10.	Rutuja Nivrutti Bhusari				-																													
11.	Sakshi Prabhu Lande				J																													
12.	Sakshi Sumil Dukare				A																													
13.	Samiksha Keshrao Deshmukh				Y																													
14.	Samradny Valmik Ambhore				A																													
15.	Sanika Ramesh Deshmukh				N																													
16.	Shrushti Raju Deshmukh				T																													
17.	Tanvi Nandkishor Maske				I																													
18.	Vaishnavi Baburao Sawade																																	
19.	Vaishnavi Shrikisan Zagare																																	
20.	Yogita Ganesh Mhaske																																	



Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhi, Dist. Buldhana.

Department of Physics
Certificate Course in Basics of Nanotechnology

01. September 2025 to 07. February 2026

 2026

**B. Sc. S. Y.
 Attendance**

Sr. No.	Month: January 2026	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
Name of the students																																						
1.	Abhishek Gajanan Ingle				S							S							S							S	G											
2.	Admath Baliram Mahale				U							U							U								U	A										
3.	Aditya Bhagwan Gaikwad				N							N							N								N	N										
4.	Anjali Anil Patil				D							D							D								D	R										
5.	Anuja Gajanan Borul				A							A							A								A	A										
6.	Ishwari Siddusingsh Jadhav				Y							Y							Y								Y	J										
7.	Priyanka Bhagwan Raut																																					
8.	Priyanka Vijay Jadhav																																					
9.	Rameshwar Dnyaneshwar Mahale																																					
10.	Rutuja Nivrutti Bhusari																																					
11.	Sakshi Prabhu Lanje																																					
12.	Sakshi Sumil Dukare																																					
13.	Samiksha Keshrao Deshmukh																																					
14.	Samradhvi Valmik Ambhore																																					
15.	Sanika Ramesh Deshmukh																																					
16.	Shrushiti Raju Deshmukh																																					
17.	Tanvi Nandkishor Maske																																					
18.	Vaishnavi Baburao Sawade																																					
19.	Vaishnavi Shrikisan Zagare																																					
20.	Yogita Ganesh Mhaske																																					

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
 Department of Physics
 Certificate Course in Basics of Nanotechnology

01. September 2025 to 07. February 2026

B. Sc. S. Y.
Attendance

Sr. No.	Month: February 2026 Date	Name of the students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30					
1.	S	Abhishek Gajanan Ingle	S	U	N	D	A	Y														S	U	N	D	A	Y										
2.	N	Adinath Baliram Mahale	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A			
3.	D	Aditya Bhagwan Gaikwad	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
4.	A	Anjali Anil Patil	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A		
5.	Y	Anuja Gajanan Borul	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		
6.		Ishwari Siddusingh Jadhav																																			
7.		Priyanka Bhagwan Raut																																			
8.		Priyanka Vijay Jadhav																																			
9.		Rameshwar Dnyaneshwar Mahale																																			
10.		Rutuja Nivrutti Bhusari																																			
11.		Sakshi Prabhu Lande																																			
12.		Sakshi Sumil Dukare																																			
13.		Samiksha Kestirao Deshmukh																																			
14.		Samradhni Valmik Ambhore																																			
15.		Sanika Ramesh Deshmukh																																			
16.		Shrushti Raju Deshmukh																																			
17.		Tanvi Nandkishor Maske																																			
18.		Vaishnavi Baburao Sawade																																			
19.		Vaishnavi Shrikisan Zagare																																			
20.		Yogita Ganesh Mhaske																																			

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
 Department of Physics
 Certificate Course in Basics of Nanotechnology

01. September 2025 to 07. February. 2026

**B. Sc. Third Year
 Attendance**

Sr. No	Month: July Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
1.	Avantika Bhramanand Bhusari						S														S																	
2.	Gayatri Vishnu Padghan						U														U																	
3.	Gayatri Gopalrao Deshmukh						N														N																	
4.	Komal Ashok Bhagat						D														D																	
5.	Mayuresh Shivanand Mahimane						A														A																	
6.	Om Shrikusjna Parihar						Y														Y																	
7.	Poonam Tulshidas Parihar																																					
8.	Pratibha Ankush Surushe																																					
9.	Rohit Bhagwan Sarode																																					
10.	Sakshi Kantilal Hanwate																																					
11.	Sarika Anil Yeole																																					
12.	Shivshankar Bhagwat Kapse																																					
13.	Shreya Rameshsingh Rajput																																					
14.	Sujit Satish More																																					
15.	Urmila Vijay Kale																																					
16.	Vaishnavi Pandharinath Atole																																					
17.	Vaishnavi Rajendra Bhavsar																																					
18.	Vaishnavi Shivaji Sapkal																																					
19.	Sonal Rajendra Devmane																																					
20.	Vaishnavi Dnyaneshwar Upase																																					

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhi, Dist. Buldhana.
 Department of Physics
 Certificate Course in Basics of Nanotechnology

07. September 2025 to 07. February. 2026

**B. Sc. Third Year
 Attendance**

Sr. No.	Month: August Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Name of the students		S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S
1.	Avantika Bhramanand Bhusari	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
2.	Gayatri Vishnu Padghan	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3.	Gayatri Gopalarao Deshmukh	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D	D
4.	Komal Ashok Bhagat	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A
5.	Mayuresh Shivanand Mahimane	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
6.	Om Shrikrusjina Parihar	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
7.	Poonam Tulshidas Parihar	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
8.	Pratibha Ankush Surushe	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
9.	Rohit Bhagwan Sarode	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
10.	Sakshi Kantilal Hanwate	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
11.	Sarika Anil Yeole	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
12.	Shivshankar Bhagwat Kapse	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
13.	Shreya Ramesh Singh Rajput	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
14.	Sujit Satish More	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
15.	Urmila Vijay Kale	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
16.	Vaishnavi Pandharinath Atole	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
17.	Vaishnavi Rajendra Bhavsar	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
18.	Vaishnavi Shivaji Sapkal	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
19.	Sonal Rajendra Devmane	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
20.	Vaishnavi Dnyaneshwar Upase	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikli, Dist. Buldhana.
 Department of Physics

Certificate Course in Basics of Nanotechnology

01.. September 2025 to 07. February 2026

**B. Sc. Third Year
 Attendance**

Sr. No.	Month: September	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
Name of the students																																
21.	Avantika Bhramanand Bhusari																															
22.	Gayatri Vishnu Padghan																															
23.	Gayatri Gopalrao Deshmukh																															
24.	Komal Ashok Bhagat																															
25.	Mayuresh Shivamnad Mahimane																															
26.	Om Shrikusjina Parihar																															
27.	Poonam Tulshidas Parihar																															
28.	Pratibha Ankush Sureshe																															
29.	Rohit Bhagwan Sarode																															
30.	Sakshi Kantilal Hanwate																															
31.	Sarika Anil Yeole																															
32.	Shivshankar Bhagwat Kapse																															
33.	Shreya Rameshsingh Rajput																															
34.	Sujit Satish More																															
35.	Urmila Vijay Kale																															
36.	Vaishnavi Pandharinath Atole																															
37.	Vaishnavi Rajendra Bhavsar																															
38.	Vaishnavi Shivaji Sapskal																															
39.	Sonal Rajendra Devmane																															
40.	Vaishnavi Dnyaneshwar Upase																															

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhi, Dist. Buldhana.

Department of Physics
 Certificate Course in Basics of Nanotechnology

O.I. September 2025 to 07. February. 2026

**B. Sc. Third Year
 Attendance**

Sr. No.	Month: October Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30							
Name of the students		D	A		S	U						S							S	U	L	D					S	U										
41. Avantika Bhramanand Bhusari																																						
42. Gayatri Vishnu Padghian																																						
43. Gayatri Gopalrao Deshmukh																																						
44. Komal Ashok Bhagat																																						
45. Mayuresh Shivanand Mahimane																																						
46. Om Shrikusjna Parihar																																						
47. Poonam Tulshidas Parihar																																						
48. Pratibha Ankuash Surushhe																																						
49. Rohit Bhagwan Sarode																																						
50. Sakshi Kantilal Hanwate																																						
51. Sarika Anil Yeole																																						
52. Shivshankar Bhagwat Kapse																																						
53. Shreya Rameshsingh Rajput																																						
54. Sujit Satish More																																						
55. Urmila Vijay Kale																																						
56. Vaishnavi Pandharinath Atole																																						
57. Vaishnavi Rajendra Bhavsar																																						
58. Vaishnavi Shivaji Sapkal																																						
59. Sonal Rajendra Devmane																																						
60. Vaishnavi Dnyaneshwar Upase																																						

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
 Department of Physics
 Certificate Course in Basics of Nanotechnology

01. September 2025 to 07. February 2026

**B. Sc. Third Year
 Attendance**

Sr. No.	Month: November Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30			
Name of the students																																		
61.	Avantika Bhramanand Bhusari	S	U		G				S								S						S								S			
62.	Gayatri Vishnu Padghan	N			R				U								U						U								U			
63.	Gayatri Gopalrao Deshmukh	D			U				N								N						N								N			
64.	Komal Ashok Bhagat	A			N				D								D						D								D			
65.	Mayuresh Shivannand Mahimane	Y			A				A								A						A								A			
66.	Om Shrikusjina Parihar				N				Y								Y						Y								Y			
67.	Poonam Tulshidas Parihar				A																													
68.	Pratibha Ankush Surushe				K																													
69.	Rohit Bhagwan Sarode				-																													
70.	Sakshi Kantilal Hanwate				J																													
71.	Sarika Anil Yeole				A																													
72.	Shivshankar Bhagwat Kapse				Y																													
73.	Shreya Rameshsingh Rajput				A																													
74.	Sujit Satish More				N																													
75.	Urmila Vijay Kale				T																													
76.	Vaishnavi Pandharinath Atole				I																													
77.	Vaishnavi Rajendra Bhavsar																																	
78.	Vaishnavi Shivaji Sapkal																																	
79.	Sonal Rajendra Devmane																																	
80.	Vaishnavi Dnyaneshwar Upase																																	

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.
 Department of Physics
 Certificate Course in Basics of Nanotechnology

01. September 2025 to 07. February 2026

**B. Sc. Third Year
 Attendance**

Sr. No.	Month: January Date	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						
	Name of the students																																					
101.	Avanika Bhiramanand Bhusari				S						S								S							S	G											
102.	Gayatri Vishnu Paughan				U						U								U							U	A											
103.	Gayatri Gopa.rao Deshmukh				N						N								N							N	N											
104.	Komal Ashok Bhagat				D						D								D							D	R											
105.	Mayuresh Shivanand Mahimane				A						A								A							A	A											
106.	Om Shrikusjma Parihar				Y						Y								Y							Y	J											
107.	Poonam Tulshidas Parihar																										Y	Y										
108.	Pratibha Ankush Surushe																										A											
109.	Rohit Bhagwan Sarode																																					
110.	Sakshi Kantilal Harwate																																					
111.	Sarika Anil Yeole																																					
112.	Shivshankar Bhagwat Kapse																																					
113.	Shreya Rameshsingh Rajput																																					
114.	Sujit Satish More																																					
115.	Urmila Vijay Kale																																					
116.	Vaishnavi Pandharinath Atole																																					
117.	Vaishnavi Rajendra Bhavsar																																					
118.	Vaishnavi Shivaji Sepkal																																					
119.	Sonal Rajendra Devmane																																					
120.	Vaishnavi Dnyaneshwar Upase																																					

Shri Shivaji Education Society Amravati's
Shri Shivaji Science & Arts College, Chikhli, Dist. Buldhana.

Department of Physics
 Certificate Course in Basics of Nanotechnology

01. Sep. to 07. February 2026

**B. Sc. Third Year
 Attendance**

Sr. No.	Month: February Date	Name of the students	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30				
121.		Avantika Bhramanand Bhusari	S							S							S																			
122.		Gayatri Vishnu Padghan	U							U							U																			
123.		Gayatri Gopalrao Deshmukh	N							N							N																			
124.		Komal Ashok Bhagat	D							D							D																			
125.		Mayuresh Shivanand Mahimane	A							A							A																			
126.		Om Shrikusjina Parihar	Y							Y							Y																			
127.		Poonam Tulshidas Parihar																																		
128.		Pratibha Ankush Sureshe																																		
129.		Rohit Bhagwan Sarode																																		
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137.		Vaishnavi Rajendra Bhavsar																																		
138.		Vaishnavi Shivaji Sapkal																																		
139.		Sonal Rajendra Devmane																																		
140.		Vaishnavi Dnyaneshwar Upase																																		

Glimpses of Course



Lecture on Basics of Nanotechnology



Lecture on Preparation Method of Nanoparticles



Practical Session on Synthesis of Nanoparticles



Demostration of Basics of Nanotechnology



Sample Preparation

Certificate Course in Basics of Nanotechnology [2025-2026] by PM-USHA Grant Component 3.0



SHRI SHIVAJI EDUCATION SOCIETY AMRAVATI

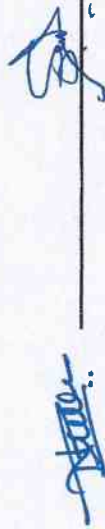


॥ श्रीगणेशाय नमः ॥

SHRI SHIVAJI SCIENCE AND ARTS
COLLEGE, CHIKHLI, DIST. BULDHANA

CERTIFICATE COURSE IN BASICS OF NANOTECHNOLOGY

This is certified that *ku. Sanika Ramesh Deshmukh* of Shri Shivaji Science and Arts College, Chikhli, Dist. Buldhana, class **B. Sc. II** has participated in **Certificate Course in Basics of Nanotechnology** organised by Department of Physics of Shri Shivaji Science and Arts College, Chikhli, Dist. Buldhana during 18 July 2025 to 07 February 2026.



Dr. P. B. Nalle
Course Coordinator
& Head Dept. of
Physics



Dr. V. U. Pochhi
IQAC Coordinator



Dr. P. R. Padole
Principal