



**RUSA BENEFICIARY & DBT STAR STATUS  
INSTITUTE**

**P. S. G. V. P. MANDAL'S  
S. I. PATIL ARTS, G. B. PATEL SCIENCE AND S. T. K. V. SANGH  
COMMERCE COLLEGE, SHAHADA, DIST.: NANADURBAR**

# **DEPARTMENTAL PROFILE**

**2016-2021**

# **PHYSICS**

$$E = mc^2$$

Energy

mass

speed of light  
(constant)

## Vision

To establish a platform for the dissemination and creation the knowledge through teaching, Practical and research in Physics at various levels for Tribal Area and help to create a scientific society which encourages logical thinking.

## Mission

- ▶ To explore the functional & realistic aspects of the subjects.
- ▶ To provide practical exposure to industry.
- ▶ To foster employability skills.
- ▶ To inculcate zeal among students to go beyond the curriculum and develop innovative ideas.
- ▶ To build life skills through value-based education and service-oriented programs.

# DEPARTMENT OF PHYSICS

The **Physics department** was established since the inception of the college in **1970**. In its history of **50 years** it has grown considerably with a vision to inculcate scientific temperament and futuristic thinking in students, by providing them with extensive and diverse knowledge in the Physical sciences, and to conduct cutting-edge research in the Physical sciences.

Department of Physics of college is consistently ranked among the top **3 PG Science Colleges** in periphery of **KBC North Maharashtra University Jalgaon**. The Department offers Under Graduate programmes which are innovatively designed and updated to keep pace with global trends in academics and industry. The Department emphasizes on experiential learning through various innovative methodologies which include industrial **visits, seminars, workshops, guest lectures, exhibitions, mini projects** for the holistic development of the students.

Our laboratories also reflect the unique dichotomy of our curricula with general-purpose ones for core subjects and several specialized ones such as Special **PG Lab, Research Lab., Physics and Optics Lab, Dark room** for Optical experiment. Access to such laboratories is provided to students and faculty on all working days.

The strengths of the Departments are its quality faculty, innovative and flexible curricula with their unique focus on post-graduate education and employability, state-of-the-art facilities with remarkably high and open transparent policies that foster a healthy student-faculty interaction. The department is located in an independent in large **Vangmaya Bhavan building (Ground Floor)** which houses of **06 spacious laboratories** with **one Departmental Library**.

## 1. Highlights of the Department :

- ▶ Courses from XI to Post Graduation
- ▶ Projects for Students at UG and PG level.
- ▶ Highly Qualified Staff. ▶ Research Activities.
- ▶ Good Infrastructure ▶ Physics Association Activities.
- ▶ Innovative Practical demonstrations. ▶ Alumni Activity and Lectures.
- ▶ State of art Teaching Aids. ▶ Study tour.




## 2. Details of the Programmes Offered by the Department :

Sr. No.	Programme level	Name of the programme / Course	Duration	Entry Qualification	Medium of Instruction
1	UG	B. Sc. Physics	3 years	H S C or Equivalent	English
2	PG	M. Sc. Physics	2 years	B. Sc. Physics	English
3	Certificate Course	Electronic & Instrumentation ( Repairing and Maintenance )	1 year	H S C or Equivalent	English
4	Ph. D. (Physical Science)	Research in thin film, Solid State Physics , Nano Materials, Crystal Growth, Material Science, Nanotechnology and nonmaterial synthesis, Phase transformation and Characterization, Electrochemical photovoltaic cell, Semiconductor sensitized solar cell, Nano sensors, Super capacitors, Chemical bath deposition and SILAR deposition.	3 years	M. Sc. Physics	English

### 3. Departmental Staff :

Post		Sanctioned and filled
Professor		02
Associate Professor		00
Assistant Professor		02 (1 upto 31 may 2019)
Supporting	CHB	03
	Contractual	02

### 4. Name and Information of the Teachers of Physics Department:

Sr. No.	Name of Teacher	Qualification	Designation	Mobile no., Phone No, e-mail	Research Experience	Date of appointment and total experience (U.G. and P.G.)	Recent Photo
1	<b>Prof. Dr. R. S. Patil</b>	M.Sc., M.Phil. Ph.D.	<b>Principal</b>	9421530100 02565-224250 rspatil_shahada@yahoo.co.in, <a href="mailto:rspatil_physics@yahoo.co.in">rspatil_physics@yahoo.co.in</a>	<ul style="list-style-type: none"> <li>▶ Eight students awarded Ph. D.</li> <li>▶ Three Students are working for Ph. D. in Thin Film, Solar cell, Sensors etc.</li> </ul>	<b>17.09.1985</b> and appointed As Principal on 10.08.2016  UG: 35 Years, PG: 25 years.	
2	<b>Prof. Dr. I. J. Patil</b>	M.Sc., Ph. D.	<b>HoD</b>	9423194812  ijpatil.shahada@gmail.com	<ul style="list-style-type: none"> <li>▶ One student awarded Ph. D.</li> <li>▶ Three Students are working for Ph. D. in Cristal Growth, Material Science Thin Film, etc.</li> </ul>	<b>02.01.2006</b>  UG: 17 Years PG: 10 Years	
3	<b>Dr. P. P. Jagtap</b>	M.Sc., M.Phil. Ph.D.	Assistant Professor	9970961755 p22jagtap@gmail.com , p22jagtap@rediffmail.com	<ul style="list-style-type: none"> <li>▶ Research area Material Science</li> </ul>	<b>24.07.2009</b>  UG: 14 Years PG: 10 Years	

4	<b>Dr. J. B. Chaudha</b>	M.Sc., Ph. D.	Assistant Professor	9860629472 jbc2k7@yahoo.co.in	► Two Research Projects completed on UGC-MRP VCRMS	<b>06.12.2010</b> UG:8Years PG: 8 Years	
5	<b>Mr. A. G. Patil</b>	M.Sc. SET	Assistant Professor <b>( CHB )</b>	9096461697 patilavi0810@gmail.com	--	UG:7Years PG: 7 Years	
6	<b>Mrs. J. V. Bothra</b>	M.Sc. NET	Assistant Professor <b>( CHB )</b>	9579504010 Bothrajayshri1642809@gmail.com	--	UG:4 Years PG: 4 Years	
7	<b>Miss. M.R. Valvi</b>	M.Sc. SET	Assistant Professor <b>( CHB )</b>	9421254484 Valvimanisha56@gmail.com	--	--	
8	<b>Miss. J. A. Chaudhari</b>		Assistant Professor <b>(Contractual)</b>	9075606063 Jotsanachadhari091192@gmail.com	--	UG: 5 Years PG: 5 Years	
9	<b>Mr. V. S. Girase</b>	Msc.	Assistant Professor <b>(Contractual)</b>	Mob.No. 9960062151 Email Add. vir99600@gmail.com	--	UG: 3 Years PG: 3 Years	
10	<b>Shri. Sudam Rajaram Sonawane</b>	S.S.C	Peon	Ganesh Nagar		<b>31.12.2003</b>	
11	<b>Shri. Arvind Darbarsing Pawar</b>		Peon	9850226050			

## 5. Faculty in Academic bodies of University:

### Dr. R. S. Patil

- ◆ **Acting Dean of Science, KBC North Maharashtra University, Jalgaon**
- ◆ **Member of Management Council, KBC North Maharashtra University, Jalgaon.**
- ◆ **Member of Senate, KBC North Maharashtra University, Jalgaon**
- ◆ **Member, Board of Examination and Evaluation, KBC NMU Jalgaon.**
- ◆ **Member, Board of Research KBC NMU Jalgaon.**
- ◆ **Member, IQAC, KBC North Maharashtra University, Jalgaon**

### Dr. I. J. Patil

- ◆ **BOS Member, physics.**
- ◆ **Chairman, University Exam paper setter for M. Sc.**
- ◆ **Chairman, University Exam paper setter for S. Y. B. Sc.**
- ◆ **Chairman, Practical Exam. Committee (M. Sc – I and M. Sc – II)**

### Dr. P. P. Jagtap

- ◆ **Chairman, University Exam paper setter for T. Y. B. Sc.**
- ◆ **Member, University Exam paper setter for T. Y. B. Sc. & M. Sc.**

### Dr. J. B. Chaudhari

- ◆ **Member, University Exam paper setter for S. Y. B. Sc. & M. Sc.**

## 6. Meritorious Student :

### T. Y. B.Sc.

Sr. No.	Name of Students	Year	% of Marks/ CGPA	Rank
1	Shinde Gaurav Jagannath	2016-17	CGPA 9.50/10	First in the College
2	Marathe Jagruti Krishna	2017-18	89.05%	First in the College
3	Patel Falguni Anil	2018-19	90.48%	First in the College
4	Patil Vaibhav Prakash	2019-20	93.46%	First in the College
5	Jain Sakshi Umesh	2020-21	91.92%	First in the College

## M.Sc.

Sr. No.	Name of Students	Year	% of Marks/ CGPA	Rank
1	Lohar Rina Sunil	2016-17	CGPA 5.5/10	First in the College
2	Deshmukh Masud Mushtaq Ahmed	2017-18	89.67%	First in the University <b>( Gold Medal )</b>
3	Pinjari Khushboo Salim	2017-18	85.22%	Third in the University <b>( Bronze Medal )</b>
4	Wagh Gayatri Vijay	2018-19	77.10%	First in the College
5	Marathe Jagruti Krishna	2019-20	92.05%	First in the College <b>( Gold Medal )</b>
6	Patel Falguni Anil	2020-21	94.55%	First in the College

### 7. Result data of the assessment period:

Sr. No.	Class	No. of students (passing percent)					
		TYBSc.			M.Sc.		
		Appeared students	Pass students	% passing	Appeared students	Pass students	% passing
1	2016-17	25	21	84	20	14	70
2	2017-18	22	14	63.63	30	17	56.66
3	2018-19	15	10	66.66	24	15	62.50
4	2019-20	25	25	100	23	23	100
5	2020-21	40	40	100	06	06	100

### 8. NET/SET/ IIT-JAM/ Govt. Exam and Other Examination Qualified by Physics Student :

Sr. No.	Year of Qualifying	Seat No.	Name of Student	Examination Qualified NET/SET/ IIT-JAM/ Govt. Exam
1	2016-17	788222	PatilAvinashGiridhar	<b>SET</b>
2	2017-18	527951	Naik DhirsingVahrya	<b>NET</b>
3	2017-18	177035	Deshmukh Masud M. Ahamad	<b>SET</b>
4	2017-18	177033	Desarda Sachin Vijay	<b>SET</b>
5	2019-20	800816	Baviskar Vijay Shivaji	<b>SET</b>

6	2019-20	800965	Shailendra Ravindra Patil	SET
7	2019-20	800900	Lohar Rina sunil	SET
8	2019-20	723737	Ingle Raju Shivaji	SET
9	2021-22	596712	Valvi Manisha Ramesh	SET
10	2019-20	PH209F282	Wakad eJayesh Bhatu	IIT-JAM
11	2020-21	PH205F055	Arvind Anil Godse	IIT-JAM

## 9. Placement of Student :

Year	Name of student placed and contact details	Program graduated from	Name of the employer with contact details	Pay package at appointment (In INR per annum)
2017-18	Mahajan Sachin Subhash	M Sc Physics	Nagar haveli perfume and aromatics	216000
2017-18	Patil Akshay Rajendra	M Sc Physics	IDFC FIRST BANK	600000
2017-18	Niraj Bharat Patil	B Sc Physics	Surmountlab	144000
2017-18	Vaishali Krushna Pardeshi	M Sc Physics	M.H S.S junior college shindhkheda	72000
2017-18	Rajput Jaypalsing Karansing	M Sc Physics	Self employed (business)	250000
2018-19	Rajput Kalyansing Indrasing	M Sc Physics	Dr.V.V.Randhe Jr.College, Shirpur Dist. Dhule	50,000
2020-21	Gayake Anil Ramji	M. SC. Physics	SSAP Jr. College, Anva Dist. Jalna	960000
2020-21	Chaudhari Raksha Sanjay	M. SC. Physics	Writer information	520000
2020-21	Jain Swapnil Rajmal	M. SC. Physics	Nim Ark, Shahada	380000
2021-22	Vaibhav Sanjay Patil (Mo. No.9075330191)	MSc Physics	Goodworker, Teleperformance, Vadodara	360,000



2021-22	Chandrashekhar Bhatu Desale (Mo. No.7666305195)	MSc Physics	<b>Goodworker, Teleperformance, Vadodara</b>	360000
2021-22	Bhaskar Shirsath (Mo. No.9623211159)	MSc Physics	<b>Goodworker, Teleperformance, Vadodara</b>	360000

## 10. List the distinguished alumni of the department of Physics :

<b>Sr. No.</b>	<b>Name of Student</b>	<b>Present Post held</b>
1	Kulkarni Harshad Mahendra	Assistant Professor
2	Shinde Mahendra Devidas	Assistant Professor
3	Ingale Raju Shivaji	Assistant Professor
4	Kanhaiya Ganesh	Assistant Professor
5	Patil Rupesh S	Assistant Professor
6	Kulkarni Nirmal Mahendra	Assistant manager, Ele.com. Pune
7	Suryawanshi Jitendra Sahebrao	Assistant. Professor
8	Ansari Shakeel Mahmood	Additional commissioner, Income tax , Govt. of India
9	Shaikh Majid Ah. Sultan	Assistant. Professor
10	Sayyed Shoiab Mo. Nasir	Assistant. Professor
11	Rajput Kalpesh Bansilal	Research Associate, TATA Memorial, Mumbai
12	Patil Shailendra Ravindra	Assistant. Professor
13	Dusane Chetana Gopal	Section Officer, Mantralya, Govt. Maharashtra
14	Bhamare Jayshree Shivram	Research Associate
15	Khairnar Harshal Pramod	Assistant. Professor
16	Patil Snehal Yashwant	Assistant. Professor
17	Patil Avinash Girdhar	Assistant. Professor
18	Sayyed Shoiab Mo. Nasir	Assistant. Professor

## 11. List of Ph.D students in the department :

<b>PROF. DR. R. S. PATIL ( RESEARCH GUIDE )</b>				
<b>Sr. No.</b>	<b>Name of Student with registration number and date of registration</b>	<b>Ph.D / M.Phil.</b>	<b>Thesis Title</b>	<b>Status</b>
01	Mr. Ahirrao Prakash Bansilal DOR: 12-05-2008	Ph. D.	Studies on growth and characterization of chemically deposited CuI, Cu <sub>2</sub> O and CuSCN thin films	Awarded 27-12-2011
02	Mr. Shinde Mahendra Samtaram DOR: 23-01-2009	Ph. D.	Studies on gas sensing properties of chemically deposited Nano crystalline Copper sulphide and Zinc sulphide thin films	Awarded 08-04-2013
03	Mr. Jadhav Uddhav Magan. DOR: 12-05-2008	Ph. D.	Studies on chemical synthesis and characterisation of NanocrystallineCdS, Ag <sub>2</sub> S and CdS-Ag <sub>2</sub> S thin films	Awarded 10-05-2014
04	Mr. Kulkarni Anil N. DOR: 22-02-2011	Ph. D.	Synthesis of Bismuth and Antimony Chalcogenides for solar cell applications.	Awarded 13-02-2016
<b>During the assessment period</b>				
05	Mr. Sonawane Milind S. DOR: 22-02-2011	Ph. D.	Studies on chemical synthesis and characterisation of Cobalt sulphide and Nickel sulphide thin films for supercapacitor.	Awarded 17-05-2016
06	Smt. Samanta Sapana DOR: 20-01-2012	Ph. D.	Studies on synthesis and Photoelectrochemical characterisation of chemically deposited NanocrystallineCdX (X = S, Se and Te) thin films.	Awarded 15-12-2017
07	Mr. Wagh Rahul A. DOR: 06-05-2013	Ph. D.	Studies on synthesis and characterization of nanocrystallineHgS and Ag <sub>2</sub> S thin films onto TiO <sub>2</sub> for PEC solar cell	Awarded 08-03-2019
08	Mr. Surywanshi Jitendra S. DOR: 22-02-2011	Ph. D.	Studies on gas sensing properties of chemically deposited Tin sulphide, Tin selenide and Tin oxide thin films	Ongoing
09	Mr. Baviskar Vijay S. DOR: 09-02-2015	Ph. D.	Synthesis and characterization of Bismuth selenide and Copper sulphide thin films onto TiO <sub>2</sub> for PEC Solar cell	Awarded On 23-04-2021
10	Mr. Wagh Snehal S. DOR: 23-05-2018	Ph. D.	Studies and development of Carbannano tube based composites for photocatalysis application	Ongoing

11	Mr. Shinde Abhijit DOR: 23-05-2018	Ph. D.	Synthesis And Characterization Of CdSe And CdTe Nanomaterials For Semiconductor Sensitized Solar Cell	Ongoing
12	Mr. Padwal Sachin DOR: 23-05-2018	Ph. D.	Studies on Synthesis and Characterization Silver Bismuth Sulphide and Mercury Bismuth Sulphide thin films onto wide band gap n-type semiconductor for Solar cell application	Ongoing

**PROF. DR. I. J. PATIL**  
**( RESEARCH GUIDE )**

Sr. No.	Name of Student with registration number and date of registration	Ph.D / M.Phil.	Thesis Title	Status
01	Mrs. Patil Varsha Madhukar DOR: 09-02-2015	Ph. D.	Studies on growth and characterisation of chemically deposited CuI, Cu <sub>2</sub> O and CuSCN thin films	Awarded 01-07-2020
02	Mr Khan Arif Hanif DOR: 09-02-2015	Ph. D.	Studies on gas sensing properties of chemically deposited Nano crystalline Copper sulphide and Zinc sulphide thin films	Ongoing
03	Mr. Kulkarni Harshad Madukar DOR: 23-05-2018	Ph. D.	Studies on chemical synthesis and characterization of Nanocrystalline CdS, Ag <sub>2</sub> S and CdS-Ag <sub>2</sub> S thin films	Ongoing
04	Mr. Raju Shivaji Ingole KBCNMU/11/Ph.D./Phy/826/2020	Ph. D.	“Fabrication, characterization and Designing of cost effective thick and thin film sensors for monitoring some toxic industrial / environmental /household gases”	Ongoing
05	Mr. Shaikh Majid Ahemad Sultan KBCNMU/11/Ph.D./Phy /827/2020	Ph. D.	Fabrication And Characterization Of Transition Metal Modified ZnO And TiO <sub>2</sub> Based Nanocrystalline Thin Film For Detection Of Polluting Gases”	Ongoing

## 12. Publications by Faculty:

Sr. No.	Name of Faculty	Publications in peer reviewed journals	Books/ Chapters in books	Citations/	h-index	i 10 index
1	Prof. Dr. R. S. Patil	17	09	594	16	19

2	Prof. Dr. I. J. Patil	06	04	109	6	4
3	Dr. P. P. Jagtap	06	04	72	4	2
4	Dr. J. B. Chaudhari	02	--	--	--	--
	<b>TOTAL</b>	<b>31</b>	<b>17</b>	<b>775</b>	<b>26</b>	<b>25</b>

### 13. Seminars/ Conferences/Workshops Organized/ attended:

Name of Faculty	Seminars/ Workshops/ Conferences		OC/ RC/ FDP attended
Prof. Dr. R. S. Patil	13	08	--
Prof. Dr. I. J. Patil	08	06	01
Dr. P. P. Jagtap	07	06	02
Dr. J. B. Chaudhari	05	06	--

### 14. Event /Programmes Workshops/Seminars Organize By Department of Physics :

- > **National Work Shop on NET / SET in Physical Sci.** on 4-5 Jan. 2018.
- > **work shop on Syllabus framing of Physics at T. Y. BSc.** On 25 Feb. 2017.
- > **National Work Shop on NET / SET In Physical Sci.** NET/SET/GATE workshops/Lectures Date 5-6 /2/2019.
- > **work shop on Syllabus framing of M.Sc -II Physics**, Organized by Department of Physics, PSGVPMs ASC College Shahada On 16<sup>th</sup> July 2018.
- > **Organized a BalVigyanMela for Tribal Children** at Govt. Ashram School, **Toranmal** on 22<sup>nd</sup> Sept. 2019.
- > **BalVigyanMela** For Tribal Children , Jointly Organized by KBC North Maharashtra University Under Cillage Based Area Development Programme(**CADP**) and **VigyanPrasar (VP) New** and, PSGVPMs ASC College Shahada On 23- 24<sup>th</sup> September 2019.
- > **On- line work shop on Syllabus framing of T.Y.B Sc Physics**, On 15- 16<sup>th</sup> May 2020
- > **National online Shop on Role of IQAC in AA Process.** on 21<sup>st</sup> May. 2020.

- > **Organize**, New Hire Training On Personality Development and Placement on 5,6 and 7 FEB.2020 By Rubicon by India Pri. Ltd And Barclay Bank on 5,6 and 7 FEB.2020.
- > **IBPS Workshop** By Quality Classes on Banking Exam. On 10<sup>th</sup> Feb. 2020
- > **Training and Placement** by New Hire Training On Soft Skill and Personality Development By **Rubicon India Pri. Ltd** and **Barclay BANK** on 17,18 and 19<sup>th</sup> FEB.2020
- > **National online** Shop on **Role of IQAC in AA Process**. Organized by Russ ,Maharashtra Govt. an PSGVPMs ASC College Shahada on 21<sup>st</sup> May. 2020.
- > **Organize** admission of **SC, ST Student and all Women Student** of Physics And Chemistry subject for Research and higher studies in **Centre for Materials for Electronics Technology, Pune** Under Merit Y ( **Govt. of India**) 2020-21
- > **Admission** of SC, ST Student(38) in **Film Making and Editing** of Mini Micro scale Enterprises( MMSI) **Govt. of Maharashtra** 2020-21
- > **One day “Online Workshop on M.Sc. Physics Syllabus framing”** organized by Department of Physics P.S.G.V.P.Mandal’s Arts, Commerce and Science College Shahada and Kavayitri Bahinabai Chaudhari North Maharashtra University Jalgaon on **12<sup>th</sup> May 2021**.

## 15. Infrastructure of the Department: Physical Facilities:

Sr. No.	Room/ laboratory/ classroom	Dimensions ( Feet )	Utilization for
1	Department of Physics(Office)	40×50	Departmental Library, Dark Room, Staff seating Room, Storage of Electronic Materials and Dept. Library.
2	Lab. I (C.V. Raman Lab )	40×25	M.Sc. Practical’s (Part I and Part II )
3	Lab. II ( S.Chandrashekar Lab)	40×25	Research Lab,M.Sc. Practical’s (Part II)
4	Lab. III (Dr. Homi Bhabha Lab)	40×50	T.Y Theory and TY Practical’s
5	Lab. IV (Jayant Naralikar Lab)	40×50	FY, SY. Practical’s
6	Lab. V		FY, SY. Practical’s

	(MeghnadSaha Lab )	40×25	
7	Lab. VI ( S. N. Bose Lab)	40×25	FY, SY. Practical's
8	Physical Laboratory	40×30	Storage of Physics Equipment

## 16. Departmental Library Facilities:

**Books, Journals etc** : Books-108 and Journals:02  
**List of Journals in Departmental Library**

Sr. No	Name of Journal	Publisher	Annual Subscription Cost (Rs)	National/ International
1	Bulletin of Material Science	Indian academy of Sciences and Sringer	Life Member copy	International
2	IAPT Bulletin	Indian association of Physics Teachers	Life Member copy	National

## 17. Computers and other peripherals:

Sr. No.	Item	Description	Number
1	Computers	P4 & P3	03
2	Printers	HP Laser Jet 1020 plus	01
3	Scanners	Canon Lide-110	01
4	Laptop	DEL	01
5	Modem/ Router	D Link	01
6	Cylinders And Regulators	Indane gas	04
7	Invertor with Battery	Microtech /Panasonic	01

## 18. Special facilities of the Department.:

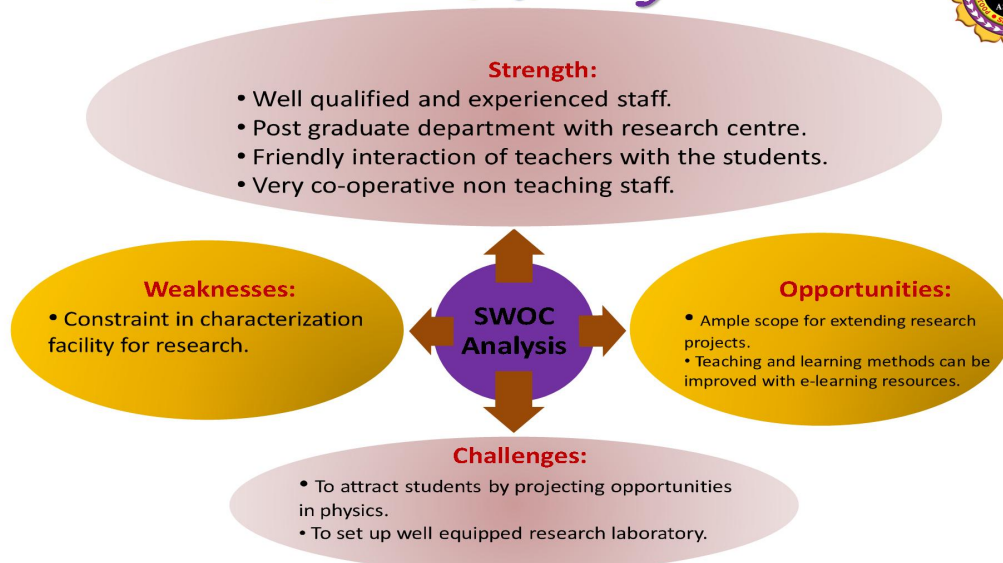
- 1) Extra guidance for NET/ SET
- 2) Research Laboratory for UG/ PG and Research Student

## 19. Unique features of the Department :

- 1) **MOU for Training to all stream students with Rubicon Privt.Ltd. Sponsored By Barkla Bank**
- 2) **Research programme with the help of Centre for Materials for Electronic Technology (CMET) Pune, government of India for Physics, Electronics and Chemistry, SC, ST, and Girls Student.**
- 3) **Organize IT courses for all Stream and Inter disciplinary activities through well known's Training Organization.**
- 4) **New Hire Training/ Personality Development/ Employability Skills for all students with the help of Training agencies.**
- 5) **Extra Guidance for Competitive Examinations, PBPS,NET/ SET/ JAM etc.**

## 20. Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department:

### SWOC Analysis



## 21. Teaching and audio Visual Aids (CD's/DVD's/Charts/Models/LCD Projector/ OHP/E-resources/ E-books/E-Journals) :

Sr. No.	Teaching and audio Visual Aids	Number
1	Charts	41
2	Models	10
3	CDs and DVDs	05
4	E books	10
5	LCD Projector	01
6	OHP	01

## 22. Departmental Academic Calendar 2022-23:

Month	Schedule
June	<ul style="list-style-type: none"> <li>Reopening of College,</li> <li>Admission of F.Y., S.Y. and T.Y. B.Sc</li> <li>Result Analysis</li> <li>Workload distribution for First term and Verification</li> <li>Attendance sheet finalization of S.Y. and T.Y. B.Sc.</li> <li>Formation of practical batches of S.Y. and T.Y. B.Sc.</li> <li>Commencement of regular lectures of F.Y. &amp; S.Y. B. Sc</li> </ul>
July	<ul style="list-style-type: none"> <li>Commencement regular theory &amp; practicals of T.Y.B.Sc.</li> <li>Commencement of regular practicals for F.Y. and S.Y.B.Sc</li> </ul>
August	<ul style="list-style-type: none"> <li>Counseling for M.Sc Part I admission, regular lectures for M. Sc Part I and II</li> <li>Regular practicals for F.Y., S.Y. and T.Y. B.Sc.</li> <li>Internal examinations UG</li> </ul>
September	<ul style="list-style-type: none"> <li>Regular practicals for M. Sc. Part I &amp; II</li> <li>M. Sc Part II project allotment</li> <li>Internal examinations PG</li> </ul>
October	<ul style="list-style-type: none"> <li>Examinations for F.Y., S.Y. and T.Y. B.Sc.</li> <li>Internal practical assessment of First Term</li> <li>Assessment of theory examination for F.Y., S.Y. and T.Y. B.Sc. and marks submission.</li> <li>Declaration of internal marks of F.Y. S.Y., T.Y. B.Sc.</li> </ul>
November	<ul style="list-style-type: none"> <li>Workload distribution for second term</li> <li>Midterm vacations begin</li> <li>M. Sc. Sem I and Sem III examination begins</li> </ul>
December	<ul style="list-style-type: none"> <li>Regular theory and practicals begin for UG and PG courses</li> <li>Declaration of internal marks of F.Y. S.Y., T.Y. B.Sc.</li> </ul>
January	<ul style="list-style-type: none"> <li>Declaration of UG and PG results( regular and backlog examination)</li> <li>ALCHEMY- a Departmental fest for one week</li> </ul>
February	<ul style="list-style-type: none"> <li>Internal theory examination for F.Y., S.Y. and T.Y.B.Sc.</li> <li>Assessment of theory examination for F.Y., S.Y. and T.Y..B.Sc. and marks submission.</li> <li>Completion of regular F.Y., S.Y. and T.Y.B.Sc.</li> </ul>



	<ul style="list-style-type: none"> <li>Remedial Coaching begins for F.Y. and S.Y.B.Sc.</li> </ul>
March	<ul style="list-style-type: none"> <li>University practical examination for F.Y.,S.Y. and T.Y. B.Sc.M. Sc. Part-II project completion</li> <li>Entry &amp; submission of marks (Internal theory and practical's of F.Y., S.Y. and T.Y.B.Sc. and external practical marks of S.Y. and T.Y.B.Sc. submission to University.</li> <li>Farewell party for T.Y.B.Sc and M. Sc. Part II students</li> <li>Internal Theory examination of M.Sc part-I and Part- II</li> </ul>
April	<ul style="list-style-type: none"> <li>University practical examinations of M. Sc. Part II begins</li> <li>University theory examinations for M. Sc. Part I &amp; II begins</li> <li>Submission of practical marks M. Sc. Part I &amp; II</li> </ul>
May	<ul style="list-style-type: none"> <li>M. Sc. Part I &amp; II vacation begins after the final examination</li> </ul>
June	<ul style="list-style-type: none"> <li>Admissions of F.Y., S.Y. &amp; T.Y. B.Sc and M. Sc. Part I &amp; II</li> </ul>

## 23. Admission Criteria for M. Sc. Course in Physics:

1	Eligibility	<b>B. Sc. with Physics as Principal Subject</b>
2	No. of Seats	<b>30</b>
3	Admission Procedure	<p>Information Brochure to the M. Sc. Course will be available on university website <a href="http://www.kbcnmu.ac.in">www.kbcnmu.ac.in</a> after declaration of TYBSc Physics results in June.</p> <p>The admission shall be through centralized process by K.B.C.N.M.U.</p> <p>► Note: To fill online application form for centralized admission, P.S.G.V.P.M's ASC College, Shahada is recognized as an authorized Application Receiving Centre (ARC).</p> <p>♦ <b>Rules for Admission (As per Information Brochure of University)</b></p> <p><b>Distribution of Seats</b></p> <ul style="list-style-type: none"> <li>Candidates graduated from KBCNMU- 70 %</li> <li>Candidates graduated from other University- 10 %</li> <li>Seats to be allotted through Management Quota - 20 % of the total intake</li> </ul> <p><b>Industry Sponsored Seats :</b>One seat for first 10 intake capacity subject to maximum two per course.</p>

## 24. Departmental Future Planes:

Sr. No	Activity
1	Organize courses with the help of ministry of MSME Government of Maharashtra, institute for design of electrical measuring instrument for sc and ST Students
2	Organize Courses with the help of Centre for Materials for Electronic Technology (CMET) Pune government of India for Physics, Electronics and Chemistry, SC, ST, and Girls Student.
3	<ul style="list-style-type: none"><li>Encourage students to do more research-oriented works</li></ul> Organize activities like, Value Added course, Certificate Course for Physics Studies.
4	<ul style="list-style-type: none"><li>Organize International &amp; National Webinars, Conferences, and Workshops for increasing Research interest among the students.</li></ul>
5	<ul style="list-style-type: none"><li>Organize Physics and IT related courses and development of different types of soft skills for placement with the help of Audip foundation.</li></ul>