



Departmental Profile 2023-24

Department of _Physics

1. **Name of Department: PHYSICS**
2. **Date of Establishment :2013**
3. **Nature of Department in Brief :**

Physics lies at the core of all scientific and technical disciplines.

Our department has a **Mission** –

1. To provide high quality physics education, producing well prepared graduates who are confident in their abilities and understanding of physics.
2. To provide students who will make a wide range of career choices with an outstanding learning experience in which they develop strong analytical, quantitative and problem solving skills with a deep appreciation of the role physics plays in technical innovations.
3. To impart education which may provide innovative skills in their respective area of specialization for society at large and to generate and disseminate/propagate innovative knowledge and differential thinking in the field of Physics essential to the local and global need.
4. To develop competent man power with deep awareness in human values and ethics - creating globally acceptable high quality skilled, potential, professional individuals for Industries, Academics and Society at large.

4. **Program and Course details (2023-24) (if applicable)**

Program Name: B.Sc. PHYSICS Program Code: 1S00145

Program		
Sr. No.	Course name	Course Code
1	Physics Paper I Classical physics	USPH-101
2	Physics paper-II-Modern physics	USPH-102
3	Practical-I	USPH-P-01
4	Physics paper I-Optics	USPH-201
5	Physics-paper-II-Electricity and	USPH-202

	Electronics	
6	Practical-II	USPH-P-02
7	Physics-paper I- Thermodynamics and temperature Transducer	USPH-301
8	Physics paper II-Electronics	USPH-302
9	Physics paper I-Mathematical methods and Applied physics	USPH-303
10	Practical-Course-3	USPHP-3
11	Physics paper I-Optics and Applied physics II	USPH-401
12	Physics paper II-Electrodynamics	USPH-402
13	Physics paper III-Quantum Physics	USPH-403
14	Practical-practical-course-4 ABC D	USPHP-4
15	Physics paper-I Mathematical Methods in physics	USPH-501
16	Physics Paper II Solid-state-physics	USPH-502
17	Physics paper III\ Atomic Physics	USPH-503
18	Physics Paper IV Electrodynamics'	USPH-504
19	Practical Physics paper I	USPH-P05
20	Practical Physics Paper I	USPH-P06
21	Physics paper I -Classical-Mechanics	USPH-601
22	Physics Paper II Electronics	USPH-602
23	Physics paper III Nuclear—physics	USPH-603
24	Physics Paper IV Relativity	USPH-604
25	Practical Physics paper I	USPH-605
26	Practical Physics Paper I	USPH-606

5. List of Teachers

Sr. No.	Name of Teacher	Designation	Qualification	Date of Joining	Experience	Photo with CV
1	Dr. Kailas Prabhakar Joshi	Assistant Professor	M.Sc. Ph.D.	25/08/2015	8 Years	
2	Dr. Amardeep Tulshiram Shinde	Assistant Professor	M.Sc. Ph.D.	1/10/2015	8 Years	
3	Mrs. Aishvarya D. Dhangekar	Assistant Professor	M.Sc. SET	15/02/2023	1 Year	
4	Hrtikesh Mahadu Doke	Assistant Professor	M.Sc. SET	18/8/2023	6 months	

6. List of Non-Teaching staffs :

Sr. No.	Name of Teacher	Designation	Date of Joining	Experience	Photo with CV
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1.	Ajinkya Arvind Zamare	Lab Assistant	30/11/2013	10 Years	
2	Ganesh Balu Wagh	Lab Attendant	28/11/2014	9 Years	
3	Machindra Shamrao Ingole	Lab Attendant	27/2/2017	6 Years	

7. Research Activities and Publications

Sr. No.	Name of Teacher	No. of Publications
1	Dr. Kailas Prabhakar Joshi	Research Papers- 17 , Books-2 ,Chapter in book -3
2	Dr.Amardeep-Tulshiram Shinde	Research paper - Books- Chapter in Book
3	Mrs.Aishvarya Dhangekar	Nil
4	Hrtikesh Mahadu Doke	Nil

8. Details of Final Year results (Last Year)

Sr. No.	Class	Name of Student	CGPA	Grade
1	T.Y.B.Sc	Chaudhari Sunil Shivram	8.88	A
2	T.Y.B.Sc	Khokle Dashrath Hanumant	8.62	A
3	T.Y.B.Sc	Bhamare Sanika Dipak	7.78	A
4	T.Y.B.Sc	Kasat Amruta Suresh	7.28	A
5	T.Y.B.Sc	Gavit Bhushan Sanjay	7.26	A
6	T.Y.B.Sc	Thapad Ajit kashiram	7.11	A

9. Activities Done (Since 2021-22)

2022-23 (pdf format) (must include Name of Activity, Brief about Activity with Geo tag Photos with headlines)

2021-22 (pdf format) (must include Name of Activity, Brief about Activity with Geo tag Photos with headlines)

10. Syllabus (2023-24) (if Applicable)

<https://mu.ac.in/syllabus#1548848029418-4f01e655-210d>

<https://mu.ac.in/wp-content/uploads/2022/11/Vide-Item-No.-6.15R-Revised-syllabus-of-F.Y.B.Sc-Physics-Sem--I-II-CBCS.pdf>

<https://mu.ac.in/wp-content/uploads/2023/07/S.Y.B.Sc.-Physics-.pdf>

<https://old.mu.ac.in/wp-content/uploads/2016/06/TYBSc-Physics-FINAL-Syllabus.pdf>

Kishagat
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& Commerce & Science College,
Wada, Dist. Palghar

