

DEPARTMENT OF PHYSICS

1. Nameofthedeartment : **PHYSICS**
2. YearofEstablishment : **1992**
3. Names of Programmes/Courses offered(UG, PG ,M. Phil. ,Ph.D., Integrated Masters; Integrated Ph.D. ,etc.) : **B.Sc.**
4. Names of Interdisciplinary courses and the departments/units involved: **NIL**
5. Annual/semester/choice based credit system(programme wise):

Choice based Credit System

6. Participation of the department in the courses offered by other departments: **NIL**
7. Coursesincollaborationwithotheruniversities,industries,foreigninstitutions, etc. : **NIL**
8. Details of courses/programmes discontinued(if any) with reasons : **NIL**
9. Numberof teachingposts

Designatio	Sanctioned	Filled
Professors	-	-
AssociateProfessors	01	01
Asst.Professors	02	01

10. Faculty profile with name,qualification,designation,specialization,(D.Sc./D.Litt.
/Ph.D./M.Phil.etc.,)

Name	Qualificatio	Designation	Specialization	No.ofYears Experienc	No.ofPh.D. Students guidedforthe last4years
Dr. S. S. Gurav	M.Sc., Ph.D	Principal, Asso. Professor	Physics	26	Nil
Mr. V. S. Shinde	M.Sc., B.Ed SET	Asst. Professor	Physics	8	Nil
Mr. Y. Y. Mhatre	M.Sc., B. Ed.	Asst. Professor	Physics	5	Nil

11. List of senior visiting faculty : **NIL**
12. Percentage of lectures delivered and practical classes handled (programme wise)
By temporary faculty : **30%**
13. Student-Teacher Ratio(programme wise) : **44:1**
14. Number of academic support staff (technical) and administrative staff; sanctioned and filled :
01 Filled: 01
15. Qualifications of teaching faculty with DSc/D.Litt/Ph.D./M..Phil./PG. :-

Ph.D.	PG
1	2

16. Number of faculty with ongoing projects from a) National b) International funding agencies and grants received :

Number of faculty	Ongoing Projects	Type	Funding Agency	Grant Received
01	02	Minor Research Project	University of Mumbai	30,000+40,000=70,000

17. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR ,etc. and total grants received : **NIL**
18. Research Centre/facility recognized by the University : **NIL**
19. Publications:

a) Publication per faculty:

Sr. No.	Name of Faculty	LEVEL	No. of Publications
01	Dr. S. S. Gurav	International Level	NIL
		National Level	01
		State Level	01

02	Mr. V. S. Shinde	International Level	NIL
		National Level	01
		State Level	01

*Number of papers published in peer reviewed journals

(national/international) by faculty and students : -

National= 02, State=2 Total=04

* Number of publications listed in International Database

(For Eg: Web of Science, Scopus, Humanities International Complete ,Dare Database- International Social Sciences Directory, EBSCO host, etc.) : **NIL**

*Monographs : **NIL**

*Chapter in Books : **NIL**

*Books Edited : **NIL**

*Books with ISBN/ISSN numbers with details of publishers: **NIL**

*Citation Index : **NIL**

*SNIP : **NIL**

*SJR : **NIL**

*Impact factor : **NIL**

*h-index : **NIL**

20. Areas of consultancy and income generated : **Department Offer Consultancy**

Service for "Save Energy Save Electricity".

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards....

Sr. No.	Name of Faculty	Editorial Board	Conference
1	Dr. S. S. Gurav	Chairman	State level Interdisciplinary Conference on "Science for Sustainable Development" Organized at KES Anandibai Pradhan Science College , Nagothane
2	Mr. V. S. Shinde	Co- convener	

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :- **NIL**

b) Percentage of students placed for projects in organizations outside the institution i.e.in Research laboratories/Industry/ other agencies :-**NIL**

23. Awards/Recognitions received by faculty and students : **NIL**

24. List of eminent academicians and scientists/visitors to the department.

1)**Hon. Prof. Surendra Datar**:-HOD,Physics,JSM College Alibag

2)**Hon. Prof. Manohar Nyayate**:-B.N. Bhandodkar College of Science **Thane** and Member, BOS in Physics, University of Mumbai.

3)**Dr.S.V.Salvi**:-Former Reader,Institute of Science,Mumbai.

4)**Dr.S.G.Dahotre**-Asst.Prof.in Physics- Dr. Babasaheb Ambedkar Technological University, Lonere

5)**Dr .Nitin Lingayat**- Asst. Professor in Electrical Engineering- Dr. Babasaheb Ambedkar Technological University, Lonere

6) **Dr. Sanjeev Karpe**:-Director KONBAC, Kudal, Dist- Sindudurg

25. Seminars/Conferences/Workshops organized & the source of funding

a) State Level: - State level Interdisciplinary Conference on “Science for Sustainable Development” Organized at KES Anandibai Pradhan Science College, Nagothane, In this workshop Dr. S. S. Gurav is Chairman,& Mr. V. S. Shinde is working as a co-convener

b) National :-**NIL**

c) International: **NIL**

26. Student profile programme /course wise:

Nameofthe Course/programme(ref question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
F.Y.B.Sc.	300	70	35	35	55.71%

S.Y.B.Sc.	100	60	30	32	96.77%
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*M=Male *F=Female

27. Diversity of Students:

Name of the Course	% of students from the same state	% of students from other States	% of students from abroad
F.Y. B.Sc	99%	1%	NIL
S.Y.B.Sc.	99%	1%	NIL

28. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc : NIL.

29. Student progression

Student progression	Against % enrolled
UG to PG	20%
PG to M.Phil.	NIL
PG to Ph.D.	10%
Ph.D. to Post-Doctoral	NIL
Employed • Campus selection	About 50 students have been employed
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities

a) Library : **YES.**

- Books in Departmental library: **50**
- b) Internet facilities for Staff & Students: **YES**
- c) Class rooms with ICT facility : **YES**
- d) Laboratories : **YES**
31. Number of students receiving financial assistance from college, university, Government or other agencies : **50 students**
32. Details on student enrichment programmes (special lectures/workshops/Seminar) with external experts: **4**
33. Teaching methods adopted to improve student learning: -

Demonstration and explanation with power point and LCD facilities.

34. Participation in Institutional Social Responsibility (ISR) and Extension activities:

Our students actively participate in various projects related to Social activities and extension activity such as National Service Scheme & DLLE

Mr. V. S. Shinde is working as NSS Programme Officer from Last four years.

SWOC analysis of the department and Future plans.

Strengths:

- ❖ A highly motivated team of well qualified and subject specialized academic
- ❖ Well-equipped, spacious, Classrooms and laboratories.
- ❖ All the faculties engaged in research work.
- ❖ Consultancy services
- save electricity
- 2) Use of Solar energy .

Weaknesses:

- ❖ No third year B.Sc. program in physics in the institute.

Opportunities:

- ❖ To Organize national level Conference, seminars and workshops.
- ❖ To take the various grants from UGC, DST and CSIR for minor and major

research projects.

- ❖ Development of the research lab.

Challenges:

- ❖ To inculcate Research temper among students.
- ❖ To enhance employability of students.
- ❖ To improve the writing and Communication Skill of the students.

Future Plans:

- ❖ To start T.Y.B.Sc program in physics
- ❖ To increase number of Research Projects.
- ❖ To enhance the collaboration with various industries and research laboratories.
- ❖ organize National/International level conference.
- ❖ To organize Programs on personality development.
- ❖ To increase industrial exposure by industrial visits.