

RAJASTHAN EDUCATION SOCIETY'S



R. A. ARTS, SHRI M. K. COMMERCE AND
SHRI S. R. RATHI SCIENCE MAHAVIDYALAYA,
WASHIM. (M. S.)



Evaluative Report Of The Department

Department of Physics

Department of Physics

The Self-evaluation of every department may be provided separately in about 3-4 pages, avoiding the repetition of the data.

1.	Name of the department	PHYSICS
2.	Year of Establishment	1983
3.	Names of Programmes/Courses offered (UG, PG, M.Phil., Ph.D., Integrated Masters; Integrated Ph. D., etc.)	UG and PG
4.	Names of Interdisciplinary courses and the departments/units involved	NIL
5.	Annual/semester/choice based credit system (programme wise)	Semester
6.	Participation of the department in the courses offered by other departments	NIL
7.	Courses in collaboration with other universities, industries, foreign institutions, etc.	NIL
8.	Details of courses/programmes discontinued (if any) with reasons	NIL

9. Number of Teaching posts

	Sanctioned	Filled
Professors	00	NIL
Associate Professors	02	02
Asst. Professors	03	02

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

Name	Qualification	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. S. P. Bhagat	M.Sc. Ph.D	Asso. Professor	Solid State Physics & Electronics	34	NIL
Mr. N.T. Paikrao	M.Sc. D.H.E.	Asso. Professor	Nuclear Physics	29	NIL

Mr. R.R. Risodkar	M.Sc. M.Phil	Asst. Professor	Solid State Physics & Electronics	07	NIL
Mr. S.S. Gore	M.Sc. SET	Asst. Professor	Solid State Physics & Electronics	03	NIL

11. List of senior visiting faculty

Sr. No.	Name of the Faculty	Name of the college
1	Dr. S. K. Omanwar	HOD, Dept. of Physics, SGBAU Amravati
2	Dr. G. G. Muley	Dept. of Physics, SGBAU, Amravati
3	Dr. S. A. Waghuley	Dept. of Physics, SGBAU, Amravati
4	Dr. R. A. Patil	Innani college Karanja
5	Dr. Dongare	Innani college Karanja
6	Dr. C. S. Ulhe	Y. C. College, Mangrulpir
7	Dr. J. B. Thakare	Innani college Karanja
8	Dr. R.V.Bhoyar	Dept. of Computer, SGBAU, Amravati

12. Percentage of lectures delivered and practical classes handled (programme wise)

By temporary faculty

Sr. No.	Name of the temporary faculty	B.Sc. I(L/P)	B.Sc. II(L/P)	B.Sc. III(L/P)
1	Mr. V. S. Shinde	20%	Nil	Nil
2	Miss P. S. Labade	15%	Nil	10%
3	Miss V. N. Kharat	Nil	15%	Nil

13. Student-Teacher Ratio (programmewise)

Sr. No.	Class	Student-Teacher Ratio
1	B.Sc. I	32:1
2	B.Sc. II	32:1
3	B.Sc. III	18:1

14. Number of academic support staff (technical) and administrative staff; sanctioned and filled

	Academic Staff (Technical)	Administrative Staff
Sanctioned		
Filled	01	03

15. Qualifications of teaching faculty with DSc /D.Litt/Ph.D/M. Phil. /P. G.

Sr. No.	Name of the Faculty	Qualifications
1	Dr. S. P. Bhagat	M.Sc. Ph.D
2	Mr. N.T. Paikrao	M.Sc.
3	Mr. R. R. Risodkar	M.Sc. M.Phil
4	Mr. S. S. Gore	M.Sc. NET

1. Number of faculty with ongoing projects from a) National b) International

- funding agencies and grants received :Nil
2. Departmental projects funded by DST-FIST;UGC, DBT, ICSSR, etc.and total grants received

Sr. No.	Number of Faculty	Funding Agency	Grant received	Status
1	02	UGC	2,80,000	completed

18. Research Centre/facility recognized by the University :NIL

19. Publications:

*a) Publication per faculty

Sr. No.	Name of the Faculty	No. of paper published
01	Dr. S. P. Bhagat	13
02	Mr. R. R. Risodkar	10
03	Mr. S. S. Gore	01

* Number of papers published in peer reviewed journals (national/international) by faculty and students

Sr. No.	Name of the Faculty	No. of paper published	
		National	International
01	Dr. S. P. Bhagat	10	01
02	Mr. R. R. Risodkar	05	02
03	Mr. S. S. Gore	01	

*Number of publications listed in International Database (For E.g: 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 : 05

*SNIP :NIL

*SJR :NIL

*Impact factor :2.07

*h-index :01

20. Areas of consultancy and income generated :NIL

21. Faculty as members in

a) National committees b) International Committees c) Editorial Boards :NIL

22. Student projects

a) Percentage of students who have done in-house projects including inter departmental/programme :61%

- 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

Sr. No.	Name of the students	Awards
1	Dr. S. P. Bhagat	Ph. D.
2	Mr. J. L. Avhale	In Avishkar
3	Mr. H. N. Halse	In Avishkar

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

Sr. No.	Name of the Academicians and Scientists/Visitors	Name of the college/Institution
1	Dr. S. K. Omanwar	SGBAU Amravati
2	Dr. F. C. Raghuwanshi	Dean, Science Faculty SGBAU Amravati
3	Dr. S. D. Katore	Executive member of Academic council SGBAU Amravati
4	Dr. B. U. Jadhav	Principal, Shivaji college Parbhani.
5	Dr.S.A.Kshirsagar	HOD, Shivaji college Parbhani.
6	Dr. Gopalrao patil	Ex. MP And President of rajarshri Shahu college,Latur
7	Shri Sanjay Malpani	President ,Sangamner Education Society,Sangamner
8	Dr. Jaiprakashji Kabra	President, Polychem India Ltd. Mumbai
9	Dr.Kamal Singh	Vice Chancler SGBAU Amravati
10	Dr.Murlidhar Chandekar	Vice Chancler SGBAU Amravati

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

a) National b) International: -----Nil

26. Student profile programme/coursewise:

Name of the Course/programme (refer question no. 4)	Applications received	Selected	Enrolled		Pass percentage
			*M	*F	
B. Sc. Part I	150	140	72	68	70%
B. Sc. Part II	128	128	75	53	76%
B. Sc. Part III	75	75	39	36	72%

*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
UG	100%	0%	0%
PG	100%	0%	0%

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

29. Student progression

Student progression	Against % enrolled
UG to PG	25%
PG to M.Phil.	--
PG to Ph.D.	--
Ph.D. to Post-Doctoral	--
Employed • Campus selection • Other than campus recruitment	--
Entrepreneurship/Self-employment	5%

30. Details of Infrastructural facilities

a) Library: Central Library enriched with adequate number of text Books and Reference Books.

b) Internet facilities for Staff & Students : Available

c) Class rooms with ICT facility : Available

d) Laboratories :

Physics	Lab-1	8 B	380.16 Sq. M.
	Lab-2	8 C	668.01 Sq. M.
	Staff Room	8 A	120 Sq. Ft.
	Dark Room	8 D	299.02 Sq. M.

31. Number of students receiving financial assistance from college, university, Government or other agencies.

- GoI Scholarship is availed to SC/ST/OBC /VJ and NT/SBC students. Others get Freeship.
32. Details on student enrichment programmes (speciallectures/workshops/seminar)with external experts.
- Invited Guest Lectures are organized for enrichment of students through Physics Association.
 - Monthly Seminar activity is conducted to develop the skills of elocution.
 - Workshops are organized to prepare projects related to curriculum. .
33. Teaching methods adopted to improve student learning
- Question-Answer Method:
 - Use of ICT in teaching.
 - Participatory teaching
 - Seminars
 - Group Discussion:
 - Brain storming:
 - Interactive media material:
 - Case study:
 - Field visit and Industrial visits:

34.Participation in Institutional Social Responsibility (ISR) and Extension activities
Faculties of the department and Students visited to schools in the rural areas to disseminate science and activities among them.

35. SWOC analysis of the department and Future plans

Strength:

- Education provided upto Post Graduation Level.
- Faculties of the department are well experienced, devotional, hard-working and sincere in casting their duties.
- Faculties are highly qualified with Ph. D./M. Phil., and NET.
- Well equipped Laboratory.
- Students prefer to get admission to Physics on priority.
- Students get good scoring in examinations.
- Results are attractive every year.

Weakness:

- Space in the laboratory is not adequate as increasing strength of the students.

Opportunity:

- Post Graduation course could be started. Conferences may be organized to promote research activity.

Challenges:

- Students progression to PG courses is minimum so students could be encouraged to go for PG wherever available.
- the passing percentage in NET and SET examinations is negligible and needs to be improved through special efforts.

