

Shree R.R. Lalan College, Bhuj.

Departmental Profile

Department of PHYSICS:

1. Name of the Department: Physics
2. Year of Establishment: 1953
3. Names of Programmes / Courses offered: B.Sc. in Physics
4. Names of Interdisciplinary courses and the departments/units involved: As per CBCS.
5. Annual/ semester/choice based credit system (programme wise): CBCS/ Semester
6. Participation of the department in the courses offered by other departments/Institution:

Sr. No.	Name of the Faculty	Name of the Dept./Institution	Subject Tought	Remarks
1	Dr. A. H. Gor	Govt. Science College, Mandvi	Physical Oceanography	Visiting
2				

7. Courses in collaboration with other Universities, Industries, Foreign institutions, etc. NIL

Sr. No.	Name of the Faculty	Name of the University Industry/Institution	Subject Tought/ type of work	Remarks

8. Details of courses/programmes discontinued (if any) with reasons: NIL

9. Number of Teaching posts:

Sr. No.	Designation	Sanctioned	Filled	Remarks
1	Professor/Asso.Professor/ Assit. Professor	05	02	03 Vacant

10. Faculty profile with Name, Qualification, Designation, specialization, (D.Sc./D.Litt. /Ph.D. / M. Phil./NET/SET etc.,)

Sr. No.	Name and Designation	Qualification	Subject with specialization	Experience in Years
1	Dr. Anilkumar H. Gor	M.Sc. Ph.D	Physics (Electronics)	20
2	Dr. Jessika Chocha	M.Sc. Ph.D	Physics (Solid State)	03
3	-----			

11. List of visiting faculty:

Sr. No.	Name and Designation	Qualification	Subject with specialization	Experience in Years
1	Dr. Mihir M. Vora	M.Sc. Ph.D	Physics(Electronics)	8 (Presently working in Industry as an Enggineer)

12. Percentage of lectures delivered and practical classes handled (programme wise) by Temporary/visiting faculty:

Sr. No.	B.Sc.	2014-15	2015-16	Remarks
1	First Year	10-15%	10-15%	
2	Second Year	10-15%	10-15%	
3	Third Year	10-15%	10-15%	

13. Student -Teacher Ratio (programme wise): For the Year 2014-15 and 2015-16
 2014-15: FYBSC-100:1; SYBSC-50:1; TYBSC-02:1
 2015-16: FYBSC-100:1; SYBSC-50:1; TYBSC-12:1

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

Sr. No.	Name	Position	Qualification	Experience
1	Mr. Kanubhai Bhil	Lab. Asst.	SSC (X)	25
2	Mr. Manoj Bhammar	Peon	NON SSC	25
3	Mr. S.S.Bhabhvani	Peon	NON SSC	24

15. Number of faculty with Completed/Ongoing projects from a) National b) International funding Agencies like DST, DST-FIST; UGC, DBT, ICSSR ,other and grants received:

Sr. No.	Name of the Faculty	Project Category	Title	Sanctioning Agency	Period	Grant Mobilized
1	Dr. A.H.Gor	Minor	Site Response study of Alluvial fans along North-East of Kutch (KMF)	UGC, Pune	2 Years	3,70,000/- Rs.

16. Research Centre /facility recognized by the University: NO

Sr. No.	Type of Facility	Name of Faculty	Type of Recognition	Remarks
1				

17. Publication:

1. Published Papers in Journals/ Presented in Conferences:

Sr.No.	Name of the Faculty	No. of publication	Journal National/International	With ISSN/ISBN No.	Remarks
1	Dr.Anilkumar H. Gor	10	In Both	Yes	
2	Dr. Jessika Chocha	14	In Both	Yes	
3	Dr. Mihir M. Vora	60	In Both	Yes	

2. Books published/Edited:

Sr. No.	Name of the Faculty	No. of books/ Chapters	Type of Book & Authorship	ISBN No. & Publisher with year
1	Dr.Anilkumar H. Gor	2	1 Single Author 1 Editor	yes
2	Dr. Jessika Chocha	-----	-----	-----
3	Dr. Mihir M. Vora	13	As an Author	No

18. Training and Capacity building workshop attended:

Sr. No.	Name of the Training Programme	No. Of Faculty attended	Name of the Organizing body	Duration with year
1	Orientation Course	01 (AHG)	Academic Staff College	28 Days
2	Refresher Course	01 (AHG)	Academic Staff College	21 Days
3	Training Programme.	01 (AHG)	1.SPIPA (Principal Training Prog) 2.National Level Field Based Workshop 3. CBCS Prog. 4.Mangroves Conservation	15 Days 04 Days 02 Days 02 Days

19. Conferences, Seminars, Workshops, Symposia attended:

Sr.No	Name of the Faculty	No.of Conference/Seminar/ Workshop Symposia	National/International/State level
1	Dr.Anilkumar H. Gor	13	Yes Both
2	Dr. Jessika Chocha	16	Yes Both
3	Dr. Mihir M. Vora	50	Yes Both

20. Invited Lectures at Seminar/Workshop/Training programmes.

Sr. No.	Name of the Faculty	No. of invited lectures or training programs conducted	Remarks
1	Dr.Anilkumar H. Gor	04	
2	Dr. Jessika Chocha	-----	
3	Dr. Mihir M. Vora	25	On AIR

21. Areas of consultancy and income generated: NIL

Sr. No.	Type of Consultancy	Name of Faculty	Income generated	Remarks
1	-----			

22. Faculty as members in a) Committees b) Editorial Boards:

Sr. No.	Committees/ Editorial Boards	Name of Faculty	Members in No. of Committees/ Editorial Boards	Remarks
1	University	Dr. A.H.Gor	Members/ Chairman in 7 different committees	As per staff profile
2	Life time Membership	Dr. Mihir M. Vora	Membership in different areas of Teaching and Research	As per staff profile

23. Student projects: NIL

Sr. No.	Name of the Student	Project Category	Title	Sanctioning Agency	Period	Grant Mobilized

24. Awards/ Recognitions received by faculty and students;

Sr. No.	Name of the Faculty/Student	Title of the Awards/ Recognitions	Year	Type of the award Cash/certificate/other	Remarks
1	Dr. Mihir M. Vora	05 Best Research Papers	-----	Certificates	As per staff profile

25. List of eminent academicians and scientists visited to the department:

Sr. No.	Name of the eminent Academician/Scientist	Date of visiting	Occasion/s	Remarks

26. Seminars/ Conferences/Workshops organized by the Department & the source of funding :

- a) State Level conference/workshop/seminar : Sanctioned by UGC in 2015.
 b) National Level conference/workshop/seminar : NIL
 c) International Level conference/workshop/seminar : NIL

Sr.No	Tital of Conference/Seminar/ Workshop Symposia organized	Date of organization	International/National /State/Regional/College or University level	No. of participation
1	Sanctioned with fund of Rs. 80,000/- by UGC but yet to organize.			

27.Student enrolled with PHYSICS Department:

Year	F.Y.B.Sc.			S.Y.B.Sc.			T.Y.B.Sc.			Total no. of Students		
	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls	Total
2011-12	38	20	58	04	04	08	03	-----	03	45	24	69
2012-13	67	44	111	07	05	12	03	02	05	77	51	128
2013-14	76	162	238	08	14	22	03	03	06	87	179	266
2014-15	195	73	268	39	53	92	02	-----	02	236	126	362
2015-16	155	86	241	34	25	59	02	10	12	191	121	312

28. Diversity of Students: Students are enrolling majority from Gujarat and very few from outside Gujarat.

29. How many students have cleared national and state competitive examinations such as NET, SLET, GATE, Civil services, Defense services, etc.? No Data Available.

30. Student progression

Student progression	Against % involved
UG to PG	60 %
PG to M.Phil	-----
PG to Ph.D	-----
Ph.D. to Post-Doctoral	-----
Employed	40 %
Campus Selection	-----
Other then Campus recruitment	35 %
Self Employment/ Business	05 %

31. Details of Infrastructural facilities

a) **Library:**

The departmental library has more then 60 books, while the central library has approximately 500 books.

b) **Internet facilities for Staff & Students:**

The department is well equipped with two computers with networking and print facility for staff and students.

c) **Class rooms with ICT facility:**

The department owns one LCD projector, which enables the Faculty and students to give power point presentations for seminars and teaching respectively..

d) **Laboratories:**

Three labs: Total intake capacity is 200.

- 32. Number of students receiving financial assistance from college, university, government or other agencies: No data available with the Departments.**
- 33. Teaching methods adopted to improve student learning:** Seminar; Assignments; Power point presentation etc...
- 34. Participation in Institutional Social Responsibility (ISR) and Extension activities like NSS and NCC: Data available with respective Departments.**
- 35. SWOC analysis of the department and Future:**
Strength:

The department has B.Sc. Physics run very systematically. The department has two staff members with Ph. D. degree and one visiting faculty from industry members and their continuous academic endeavors make teaching effective. This is reflected by good results obtained at the final university examination.

The department enjoys very good infrastructural facility.

Weakness:

- Faculty crunch.

Opportunities:

There are more opportunities to connect with the institutes of repute like PRL , ISRO and Others.

Challenges

It is difficult to bring in the latest development in the world of Physics in the studies of pure science course like Physics.

Name & sign of the HOD