

Shree R.R. Lalan College, Bhuj.

Department of Biology Profile

1. **Name of the Department:** Department of Biology
2. **Year of Establishment:** As per college establishment
3. **Names of Programmes / Courses offered:** B.Sc Botany and Zoology
4. **Names of Interdisciplinary courses and the departments/units involved:** --No—
5. **Annual/ semester/choice based credit system (programme wise):**
CBCS system followed

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. P. J. Pandya	Govt. Science College, Mandvi	B. Sc Dissertation	Guiding students for their term project.

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:

Sr. No.	Designation	Sanctioned	Fil led	Remarks
1	Professor/Asso.Professor/ Assit. Professor	06	03	01 on contractual basis

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

Name	Qualificatio n	Designation	Specialization	No. of Years of Experience	No. of Ph.D. Students guided for the last 4 years
Dr. P. J. Pandya	M. Sc., Ph.D (Zoology)	Assistant Prof. and Head	Zoology	05.5 (03 yrs research inst. +02.5 Govt.)	----NA---
Dr.Mrs. E. B. Joshi	M. Sc., Ph.D (Botany)	Assistant Prof.	Botany	9.5 (08 in school teaching + 2 Govt)	----NA---

Dr. R. N. Bhatt	M.Sc., Ph.D (Zoology)	Assistant Prof.	Zoology	01	---NA---
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11. List of visiting faculty:

Sr. No.	Name and Designation	Qualification	Subject with specialization	Experience in Years
1	--Nil----	-		

12. Percentage of lectures delivered and practical classes handled (programme wise) by Temporary/visiting faculty: 15 %

13. Student -Teacher Ratio (programme wise): For the Year 2014-15 and 2015-16

Sr. No.	B.Sc (Botany)	2014-15	2015-16	Remarks
1	First Year	40:1	66:1	--
2	Second Year	20:1	32:1	--
3	Third Year	---	10:1	Ty started from 2015-16
Sr. No.	B.Sc (Zoology)	2014-15	2015-16	Remarks
1	First Year	22:1	35:1	--
2	Second Year	---	10:1	--
3	Third Year	---	NA--	Ty will start in 2016-17

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

Position	Sanctioned	Filled	Experience
Laboratory Assistant	02	Age Retired	---NA--
Field collector	01	01	20 yrs

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. P. J. Pandya	Regional	Ecological status of river Khari and Shetrunji.	Gujarat Ecology Commission, Gandhinagar, Govt. of Gujarat Undertaking	06 months	5.2 lakh (As Co-PI)
2.		National	Study of diversity, community	UGC	2 years	3.2 lakh

			structure and habitat characteristics of brachyuran crabs along Kachchh coast, Gujarat			
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16. Research Centre /facility recognized by the University:

-----Nil-----

17. Publication:

1. Published Papers in Journals:

Sr. No.	Name of the Faculty	No. of publication	Journal National/International	With ISSN/ISBN No.	Remarks
1	Dr. P. J. Pandya	09	09	09	--
2	Dr. E. B. Joshi	10	10	10	--
3	Dr. R. N. Bhatt	08	08	08	---

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. P. J. Pandya	01 Book chapter	Reference Book	ISBN 978-81-7035-752-0 (Vol. 1) , Daya Publishing 2011
2	Dr. E. B. Joshi	01 Book chapter	Reference Book	Gujarat State Education Board
3	Dr. R. N. Bhatt	--	--	--

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 (Dr. P. J. Pandya)	H.P. University, Shimla	28 days
2	Refresher Course	--	--	--
3	Training Prog.	(None after joining)	--	--

19. Conferences, Seminars, Workshops, Symposia attended:

Sr.No	Name of the Faculty	No. of Conference/Seminar/ Workshop Symposia	National/International/State level
1	Dr. P. J. Pandya	30	24 National/ 03 International/03 State level
2	Dr. E. B. Joshi	06	01 –International, 3-National,01-State level
3	Dr. R. N. Bhatt	06	

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. P. J. Pandya	01	--
2	Dr. E. B. Joshi	01	--
3	Dr. R. N. Bhatt	01	--

21. Areas of consultancy and income generated:

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

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

Sr. No.	Name of Faculty	Committees/ Editorial Boards	Members in No. of Committees/ Editorial Boards	Remarks
1	Dr. P. J. Pandya	<i>Member - Board of Studies (Zoology), KSKV Kachchh Univ</i>	<i>As per Univ. norms</i>	
		<i>International Society of Zoological Science, China</i>	<i>International forum</i>	
		<i>International Association of Hydrological Sciences, UK</i>	<i>International forum</i>	
		<i>Examiner Panel, Bhavnagar University</i>	<i>As per University norms</i>	
2	Dr. E.B.Joshi	<i>Member - Board of Studies (Botany),</i>	<i>As per univ. norms</i>	

		<i>KSKV Kachchh Univ</i>		
3.	Dr. R. N. Bhatt	-----Nil-----		

23. Student projects:

Sr. No.	Name of the Student	Project Category	Title	Sanctioning Agency	Period	Grant Mobilized
	05 B.Sc Marine Science students guided for their B.Sc projects			--	Year 2013 to 2015	---

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. P. J. Pandya	Young Scientist award and Gold medal	2008	Certificate and Gold medal.	--

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

Sr. No.	Name of the eminent Academician/Scientist	Date of visiting	Occasion	Remarks
1	Dr. Jasmine Richards	October-2014	Research purpose	--

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

- State Level conference/workshop/seminar: -----Nil-----
- National Level conference/workshop/seminar: -----Nil-----
- International Level conference/workshop/seminar: -----Nil-----

26. Student enrolled in Biology (Botany + Zoology) 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												
2012-13												
2013-14	33	32	65	10	10	20	T.Y Not present			43	42	85
2014-15	37	27	64	08	12	20	T.Y Not present					
2015-16	39	51	90	31	18	49	1	9	10*			

T.Y Botany and S.Y Zoology Started.

28. Diversity of Students: Students from different areas of Kachchh as well as state are enrolled in department.

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

-----Data not Available (Graduation in Biology subjects were not available in College)----

30. Student progression

Student progression	Against % involved
UG to PG	Courses upto graduation will be offered from this running year 2015-16. Earlier biology was offered as subsidiary subject.
PG to M.Phil	
PG to Ph.D	
Ph.D. to Post-Doctoral	
Employed	
Campus Selection	
Other then Campus recruitment	
Self Employment/ Business	

31. Details of Infrastructural facilities

- a) **Library:** -----Available at college level-----
- b) **Internet facilities for Staff & Students:** -----Available at college level-----
- c) **Class rooms with ICT facility:** -----Available at college level-----
- d) **Laboratories:** 04 (02 botany +02 Zoology)

32. Number of students receiving financial assistance from college, university, government or other agencies:

-----Most of the SC/ST students avail scholarship from Government----

33. Teaching methods adopted to improve student learning:

- o Audio-visual method using projectors
- o Learning through charts and models
- o Study tour, field visit and open class room concept

34. Participation in Institutional Social Responsibility (ISR) and Extension activities like NSS and NCC.

- o Several activities under Eco club are carried out as part of ISR and extension activities.
- o Cleanliness campaign
- o Class room cleaning
- o Training of bird rescue during Uttarayan
- o Plantation and bird nesting etc.
- o NCC and NSS are available at college level

35. SWOC analysis of the department and Future:

Strength: Student number. This is the only place in entire district having Zoology and botany courses. Active faculty involvement in imparting better knowledge

through various methods.

Weakness: Scarcity of teaching and technical staff is the major weakness.

Opportunities: The college and department serves as the major centre for intake of B-group students.

Challenges: Teaching huge mass with inadequate staff and inadequate grants are the major challenges.

Name & sign of the HOD:
