



K. L. E Society's
**SHRI SHIVAYOGI MURUGHENDRA SWAMIJI ARTS, SCIENCE AND
COMMERCE COLLEGE, ATHANI-591304**

Accredited at B⁺⁺ level by NAAC with CGPA-2.80
Affiliated to Rani Channamma University, Belagavi, Karnataka, India



DEPARTMENTAL PROFILE

From 2016-17 to 2020-21

1. **Name of the Department** : Department of Zoology
2. **Year of Establishment** : June, 1970
3. **History of the Department** : The Department of Zoology was established in June, 1970, in Affiliation with KUD. The Combinations Chemistry, Botany & Zoology with Major-Minor system was started in June, 1970. In 1991-92 CBZ got equal importance. In 2005-06 the Semester system was introduced. In 2009-10 new affiliation with RCU. In 2020-21 CBCS Pattern introduced to B.Sc. Course.
4. **Programme / Course Outcome:** Students gain knowledge and skill in the fundamentals Of animal sciences, understands the complex interactions among various living organisms. Students will be given brief idea about the research as a career. Develops empathy and love towards the animals. Gain knowledge of Agro based Small Scale industries like sericulture, fish farming and vermicompost preparation. To understand the modern techniques of biology like Nano, Bioinformatics.
5. **Objectives of the Department** : To provide a broad foundation in Zoology that stresses scientific research & problem solving with a molecular perspective. To provide students with the skills required for self employability & their profession.
6. **Department Milestone** :
7. **Programme: B.Sc. Zoology**

Sl. No	Year	Courses offered	Intake	Admitted
01	2016-17	B.Sc. Zoology	40	40
02	2017-18	B.Sc. Zoology	40+8	48
03	2018-19	B.Sc. Zoology	40+13	53
04	2019-20	B.Sc. Zoology	40+8	48
05	2020-21	B.Sc. Zoology	40+12	52

8. New programmes and courses introduced to UG/PG and their intake.

a) New Certificate course introduced year wise

Programme / Course	Title of the Programme / course	Year of introduction	Intake	Outcomes
Certificate Course	Clinical Diagnosis	2016-17	30	Self-Employability
	Vermiculture	2017-18	30	Self-Employability
	Healthy Silkworm Rearing results healthy silk for modern race.	2018-19	30	Self-Employability
	Apiculture	2019-20	30	Self-Employability
	Poultry Farming	2020-21	30	Self-Employability

9. Students strength

Year	Name of the course (Class Wise)	No. of Students Admitted			Category wise Students information							
		Total	M	F	G.M	S.C	S.T	Cat - I	C - II A	C- II B	C- III A	C - III B
2016-17	B.Sc. I	41	19	22	1	6	0	2	7	4	3	18
	B.Sc. II	31	13	18	0	1	0	2	6	3	1	18
	B.Sc. III	31	14	17	1	3	0	5	3	0	2	17
	Total	103	46	57	2	10	0	9	16	7	6	53
2017-18	B.Sc. I	48	21	27	1	2	0	1	8	1	1	34
	B.Sc. II	33	12	21	1	5	0	2	3	2	2	18
	B.Sc. III	26	11	15	0	1	0	2	5	2	0	16
	Total	107	44	63	2	8	0	5	16	5	3	68
2018-19	B.Sc. I	53	15	38	1	6	1	2	16	0	2	25
	B.Sc. II	39	13	26	1	1	0	0	7	1	1	28
	B.Sc. III	31	12	19	1	4	0	2	3	2	2	17
	Total	123	40	83	3	11	1	4	26	3	5	70
2019-20	B.Sc. I	48	16	32	4	4	0	0	12	0	1	14
	B.Sc. II	48	11	37	1	5	0	2	16	0	2	21
	B.Sc. III	35	11	24	1	1	0	0	4	1	1	23
	Total	131	38	93	9	11	0	7	32	0	9	63
2020-21	B.Sc. I	52	22	30	2	4	0	2	21	1	2	20
	B.Sc. II	40	11	29	4	4	0	0	11	0	2	19
	B.Sc. III	48	11	37	1	5	0	2	15	0	2	22
	Total	140	44	96	8	13	0	4	47	2	6	60

10. Department library Register maintained : YES

We have department library with more than 90 books which is maintained by one of the faculty in the department.

11. Department plan of action

- Department meeting Register : Conducted / Maintained
- Calendar of events : Prepared
- Time table : Prepared
- Teaching plan : Prepared
- Teachers Dairy : Maintained
- Attendances register : Maintained

12. Teaching methodology adopted by the department.

Specify....

TRADITIONAL METHOD	MODERN METHOD
<ul style="list-style-type: none">➤ Lecturing Methods<ul style="list-style-type: none">- Chalk and Talk Method➤ Seminars➤ Group Discussion➤ Project Work➤ Assignments➤ Remedial / Enrichment Classes➤ Study Tours➤ Charts➤ Models➤ Museum Specimen	<ul style="list-style-type: none">▶ LCD▶ OHP▶ Eye Piece Camera With UNB Software▶ Binocular Research Microscope▶ Binocular

13. Details of departmental Infrastructure facilities:

Sl. No.	Name of the equipments	Purpose
1	HOD room with department staff room	For HOD and department staff
2	Departmental Computer with internet facility	To perform online practical and departmental works
3	Laser Printer	
4	Laboratory	Practical Studies
5	Museum with more than 500 specimens	Observation and Identification of different Species
6	Binocular Research Microscope	Analysis of Micro-organism
7	Compound Microscopes	Observation of microscopic slides
8	Dissection Microscopes	To perform microscopic dissections
9	Digital Water analysis Kit	Water sample analysis at Spot-Seven Parameter
10	Digital Conductivity Bridge	Ionic test
11	Digital UNB Camera with measurement Software	Analysis Identification, Magnifying and Storing image.
12	Digital pH meter	pH of Water
13	Compact Lab. Centrifuge with speed regulator	Sedimentation and Precipitation of Solids
14	B.P. Apparatus	Measurement of B.P
15	Portable Autoclave	Sterilization of Equipment's
16	Haemocytometer	RBC and WBC Count
17	Haemoglobinometer	Hemoglobin %
18	Incubator	Development of Chick
19	Hand Microtome	Histochemical Techniques -Paraffin Slide Preparation
20	Digital balance	Weighing of Chemical
21	Digital Thermometer	Temperature of Water and Air
22	Binocular	Avian fauna & Wild animals

14. Achievements of the Teachers

a) Faculty Development Programme in the Department

Sl. No	Name of the faculty	Title of Programme	Date	Organized by
1	Sangamesh. N. Talawar	Short term course	06-02-2017 To 16-03-2017	CIST, University of Mysore
2	Sangamesh. N. Talawar	Faculty Induction Programme	08-02-2021 to 09-03-2021	HRDC, University of Mysore

C) Research publications

Sl. No.	Name of the faculty	Name of the Journal/publisher	Title of the paper	ISSN No	Impact Factor
1.	Prof. H.I.Khatib	International Journal of Creative Research Thoughts	A Critical Analysis of Zoology and its Branches	2320-2882	7.97
2.	Prof. S.N.Talwar	Andrologia	Cytogenetic and Molecular study of 370 Infertile men in South India highlighting the importance of copy number variations by Multiplex Ligation dependent probe amplification	1439-0272	1.951
3.	Prof. M.N.Kullolli	International Journal of Science and Research	1. Influence of water desiccation and predator on Metamorphic traits in the Indian common Toad, <i>Bufo melanostictus</i> . 2. Polymeric Membrane materials for artificial Organs.	2319-7064	6.39

i) Faculty in Academic and Administrative Bodies

Sl.No	Name of the faculty	Involved in		Year
		Academic	Administration	
01	Prof. H.I.Khatib	Central valuation at RCU Vigilance Squad Committee chairman	--	2020-21
02	Mr. M. N. Kullolli	Central valuation at RCU	--	2017-18
03	Miss. S. S. Mathad	Central valuation at RCU	--	2017-18

j) Faculty participation and presented papers in

Sl. No.	Name of the Faculty	National Conference	International Seminars	National Seminars	Workshops	Webinars
1.	Prof. H. I. Khatib	09	02	28	07	05
2.	Prof. S. N Talawar	06	--	02	01	05
3.	Mr. M. N. Kullooli	01	--	02	01	08
4.	Miss. S. S. Mathad	02	--	02	02	04
	Total	18	02	34	11	22

15. Mode of Examination conducted and Evaluation methods:

As per the RCU Norms, 2 Internal Tests and Semester Exams were conducted by Examination Committee of our College.

16. Pass percentage of the Programme/Course

Year	Semester	Appeared	Passed	%	Dist.	I Class	II Class	Fail
2016-17	I	38	34	94.44	14	15	05	02
	II	34	34	100	28	04	02	-
	III	30	28	93.33	22	06	-	02
	IV	30	30	100	24	05	01	-
	V	30	29	93.33	22	05	01	02
	VI	30	27	90.00	25	02	-	03
2017-18	I	46	36	78.00	15	17	04	10
	II	41	38	92.68	33	05	-	03
	III	32	30	93.75	23	07	-	02
	IV	31	31	100	25	05	-	-
	V	25	25	100	21	03	01	-
	VI	26	23	88.46	19	03	01	03
2018-19	I	49	40	81.63	24	16	-	09
	II	47	47	100	44	03	-	-
	III	38	37	97.00	31	06	-	01
	IV	37	37	100	32	05	-	-
	V	29	29	100	36	03	-	-
	VI	29	29	100	29	-	-	-
2019-20	I	43	34	79.00	16	11	07	09
	II	44	44	100	34	08	02	-
	III	48	46	95.83	40	06	-	02
	IV	48	48	100	48	-	-	-
	V	35	34	97.14	31	03	-	01
	VI	35	35	100	30	05	-	-

17. Remedial Class Report: Students strength, time table. Attendance and outcome

Year wise Student Strength	Semester wise Slow Learners						Outcome
	B.Sc. I	B.Sc. II	B.Sc. III	B.Sc. IV	B.Sc. V	B.Sc. VI	
2016-17	16	12	16	8	6	4	Improvement of results
2017-18	15	12	8	4	4	3	
2018-19	16	11	7	5	4	3	
2019-20	23	17	9	6	4	4	
2020-21	26		15		6		

18. Students training / workshop//Tours/field visits/ organized by the Department:

Year	Places of Visit	Class	Beneficiaries	Outcome
2017-18	Karwar, Anshi Wildlife Sanctuary, Murudeshwar.	B.Sc. III & V Semester	52	Natural Habitat & type of Forest.
2018-19	Shivamogga, Tiger-Lion Safari Thyavarekoppa , Dandeli, Safari.	B.Sc. III & V Semester	53	Behavior & adaptation of conserved Fauna.
	Visit to Agriculture University, Dharwad (Biotechnology lab)	B.Sc. V Semester	31	To study the applications of Biotechnology and animal husbandry
2019-20	Karwar, Dhandeli and Anshi Wildlife Sanctuary.	B.Sc. III & V Semester	50	Natural Habitat & type of Forest.
2020-21	Shivamogga, Tiger-Lion Safari Thyavarekoppa, Udupi	B.Sc. V Semester	44	Forest & Marine Habitat

19. Guest lecture / Class seminar organized by the department

Sl. No.	Title of the Event	Name of the Visitors	Date	Beneficiaries
1	Guest Lecture on “Recent Trends in Biotechnology”	Dr. C. G. Patil Professor, KCD	19 th Feb, 2018	All B.Sc C.B.Z. Students
2	Guest Lecture on “Medicinal Plants & its Significance”	Prof. V. S. Kaulapur Professor of Botany Dept. Gokak	25 th Jan, 2019	All B.Sc C.B.Z. Students
3	World Ozone Day	Shri. Prashant Gourani RFO Athani Division	16 th Sept, 2019	All B.Sc C.B.Z. Students
4	World Cancer Day	Dr. Prakash Kumataalli Dentition, Athani.	4 th Feb, 2021	All B.Sc C.B.Z. Students
5	National Science Day	Dr. Sanjeev Kumar Bhushetti President KRVP Dharwad	1 st Mar, 2021	All B.Sc Students

20. Students participation and presented

Sl. No	Title of the event	Date	No of participants	Outcome
1.	One day National Level Seminar on the Eve of World Ozone Day held at K.L.E's, RLS Institute. Belagavi	16 th Sept, 2017	03	Participated & Presented
2.	One Day National Level Seminar On "Recent Trends In Biodiversity & It's Conservation" held at K.L.E's, J.T.College, Gadag	17 th Feb, 2020	06	Participated & Presented

21. Students Progression to

Year	Higher study	Employment
2016-17	15	06
2017-18	10	06
2018-19	15	01
2019-20	11	01

22. Faculty profile:

Sl. No.	Name	Qualification	Designation	Specialization	Experience
1	Prof. Habib I. Khatib	M.Sc. M.Ed., M.Phil.	Assistant Professor	Zoology	17 years
2	Mr. Sangmesh. N.Talwar	M.Sc. KSET. (Ph.D)	Assistant Professor	Zoology	2 years
3	Mr. Mallappa. N. Kullolli	M.Sc. B.Ed. KSET	Assistant Professor	Zoology	6 years
4	Miss. Sharada. S. Mathad	M.Sc. B.Ed	Assistant Professor	Zoology	5 years

23. Department MOU / Linkages/ Collaboration

Sl. No.	Place	Beneficiaries
1.	Millenium Starch Industry Athani	All CBZ Students
2.	Grameena Ayurvedic College Teral	All CBZ Students

24. Extension activity of the Department

Sl. No.	Place	Event	Year	Participants	Beneficiaries
1.	Smt. Kashibai Chikkatti English Medium High School Hudco Colony, Athani	Participative Learning of Life forms by studying different specimens & groups	2016-17	03 Faculty 08 Students	25
2.	K.L.E. Society's C.S.Kittur High School. Athani	Creative learning about Local Biodiversity	2017-18	02 Faculty 10 Students	21
3.	Smt. Kashibai Chikkatti English Medium High School Hudco Colony, Athani	Creative learning about Local Biodiversity	2017-18	02 Faculty 10 Students	26
4.	Smt. Kashibai Chikkatti English Medium High School Hudco Colony, Athani	Environmental Pollution & control measures-An overview outside the classroom	2018-19	02 Faculty 10 Students	27
5.	K.L.E. Society's C.S.Kittur High School. Athani	Participative Learning by studying Chordates & non-chordates animals.	2019-20	03 Faculty 08 Students	18
6.	Smt. Kashibai Chikkatti English Medium High School Hudco Colony, Athani	Participative Learning by studying Chordates & non-chordates animals.	2019-20	03 Faculty 08 Students	27
7.	Smt. Kashibai Chikkatti English Medium High School Hudco Colony, Athani	Fundamentals of Physiological Processes like Digestion, Respiration & Circulation	2020-21	03 Faculty 10 Students	27

25. Best Practice

Sl. No.	Best practices	Beneficiaries	Outcome
1.	Blood group testing for students of our college	470	Students will get to know their Blood Group.
2.	Installation of Bird feeder by students in summer season for birds in the campus	-	Increased Bird Diversity in the Campus.
3.	Rainwater Harvesting	-	Enriched Ground Water in the College Campus.

26. SSS of the Department: Analysis

27. SWOC analysis

Strength	1. Young and Enthusiastic Faculty with experienced in Industries. 2. Well Established laboratory with Huge Collection of Specimens
Weakness	1. Lack of awareness about Self Employability 2.
Opportunity	1. Self Employability and self sustainability. 2. Wide scope for higher studies and applied research
Challenges	1. Creating awareness with respect to sustainable utilization of nature and natural resources. 2. conservation of local biodiversity

28. Ten Prominent Alumni

Sl.No.	Name of the Alumni	Present Position
01	S.S.Rathod	Jailer (Police)
02	Sunil Khot	Advocate
03	J.T.Shinde	Lecturer
04	Jyoti.C.Benal	SSC BSF
05	Sahana.B.Kichadi	Govt.Hostel Warden
06	Mohammad.G.Nadaf	KSRP Police
07	Bhargavi.D.Patil	Lecturer
08	Vinayak.R.Mangasuli	Jailer (Police)
09	Siddarood Kalloli	Police Constable
10	Annapurna Patil	Army

29. Future plan

Sl. No.	FUTURE PLAN
1.	To conduct awareness programs regarding conservation of biodiversity of local birds & Conservation of Indigenous cattle.
2.	To carry out consultancy services like Bee keeping & Aquaculture.
3.	To Organize student conference of Biodiversity conservation of Birds or recent scenario in life science.
4.	To encourage and involve our students in Research work.
5.	To undertake Major/Minor Research Projects.
6.	To conduct study tours to Biodiversity hot spots of Karnataka, National Parks, Sanctuaries and Zoo's.
7.	To conduct National/State level Seminars and Workshops

30. Photo gallery (4 photos in a slides with caption)

DEPARTMENTAL ACTIVITIES

International Tiger Day



World Wild life Week



World Ozone Day



World Ozone Day



Guest Lecture on Medicinal Plants



Guest Lecture on Biotechnology



Group Dissection



Student Seminars



Students Participation in National Seminar Institute



Study Tour at Agri Biotechnology



Study tour at Prakruti Products Ankola



Study tour at Karwar



EXTENSION ACTIVITIES AT C. S. KITTUR HIGH SCHOOL ATHANI



EXTENSION ACTIVITIES AT CHIKKATTI HIGH SCHOOL ATHANI



MOU AT MILLENIUM STARCH INDUSTRY



MOU AT GRAMEENA AYURVEDIC MEDICAL COLLEGE TERDAL

