



**SRI VENKATESHWARA GOVERNMENT ARTS AND SCIENCE COLLEGE
PALEM**

DEPARTMENT OF ZOOLOGY

Hearty Welcome

To

NAAC PEER TEAM



ABOUT THE DEPARTMENT

- **The Department of Zoology was started in 1963.**
- **Dr. Datha Sharma was the first Head of the Department.**
- **Dr. Venkatrama Reddy, Dr. Satyanarayana Reddy, Dr. Koteswar Rao, Dr. H.R. Bhonsle , Sri.B. Prabhakar are the successive Heads of the Department.**
- **Presently Dr.C.Naga Raju, Lecturer in Zoology, is the acting Head of the Department.**
- **The Departmental Library has reference Books, Previous Question Papers, Question Banks etc., which are kept for students usage.**
- **Since the establishment, the Department has acquired lot of material and equipment needed to conduct the Practicals.**
- **The department provides additional curricular modules to the students to give additional information.**

VISION

To impart education that generates good citizens with academic excellence and strong commitment to society . To perpetuate value based education favorable to the progress of students and society so as to promote peace and harmony.



MISSION

Our mission is to offer high quality education dedicated to building minds with conviction, integrity , social and moral responsibility . We are committed to educating the students beyond the confines of a class room to make them better individuals and develop their personalities, enabling them to face the challenges of the modern world.



SWOC Analysis

STRENGTHS:

- Experience Faculty, Expertise in Teaching and research
- Well equipped Zoology Lab, Digital class room for ITC Teaching

WEAKNESS:

- Single faculty limiting the development and quality approach
- No PG Program in Zoology

OPPORTUNITIES:

- To Start PG in Zoology
- To Offer Certificate courses related to Vermiculture and complete blood profile test

CHALLENGES:

- Few of the students dropped out in the middle of the academic year due to getting marriages and poor background.
- To enhance self-Reliance among the students

FACULTY PROFILE

Name : Dr. C. Naga Raju
Highest Qualifications : M.Sc., Ph.D.
Designation : Lecturer in Zoology
Total Experience : 18 Years
Email.id : nagarajuzoology@gmail.com
Date of appointment as Degree College Lecturer : 27-09-2004
Date of joining at present college : 08-07-2013



Additional Responsibilities:

- **Acting as HOD of Zoology.**
- **BOS Member in MVS GDC(A), Mahabubnagar**
- **NAAC Coordinator**
- **NSS Coordinator**
- **VHLC Coordinator**

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DEPARTMENT OF ZOOLOGY

PROGRAMME OUTCOMES (POs)

- PO1. Communicate scientific information through effective formal and informal methods generally used in sciences.
- PO2. Conduct basic scientific research and provide inputs for societal benefits.
- PO3. Develop competence in basic sciences and in the content of the specific courses that constitute the principal knowledge of their degree.
- PO4. Compare and contrast the characteristics of animals that differentiate them from other forms of life.
- PO5. Acquire the skills in handling scientific instruments, planning and performing in laboratory experiments.
- PO6. Understand and be aware of relevant theories, paradigms, concepts and principles of zoology.
- PO7: Understand the structure and functions of cell types
- O8: Acquire time management and self-management skills.
- PO9: Relate the various abiotic factors with health of living forms and ecosystems.
- PO10: Explain the role of various biomolecules in living systems.

PROGRAMME SPECIFIC OUTCOMES (PSOs)

- PSO1. Ability to connect and apply biological knowledge to other disciplines and to integrate.
- PSO2. Explain the origin of life with context to the origin of eukaryotic cell and endosymbiotic theory of origin., fossil records, Darwinism and Neo-Darwinism, experimental evidences.
- PSO3. Illustrate zoological science for its application in branches like medical entomology, apiculture, aquaculture and agriculture etc.
- PSO4. Understand animal interactions with the environment and identify the major groups of organisms with an emphasis on animals and classify them within a phylogenetic framework.

CREDITS ALLOCATED YEAR WISE TO STUDENTS

S.no	Paper	Title of Paper	Theory Credits	Practical Credits	Total Credits
1.	I	Animal Diversity and Invertebrates	4	1	5
2.	II	Animal Diversity and Vertebrates	4	1	5
3.	III	Animal Physiology and Animal Behaviour	4	1	5
4.	IV	Cell Biology , Genitics and Developmental Biology	4	1	5
5.	DSE-1 Sem-V	Imnology and Animal BioTechnology	4	1	5
6.	DSE-II Sem-VI	Echology, Zoogeography and Evolution	4	1	5

FACULTY INDIVIDUAL TIME TABLE

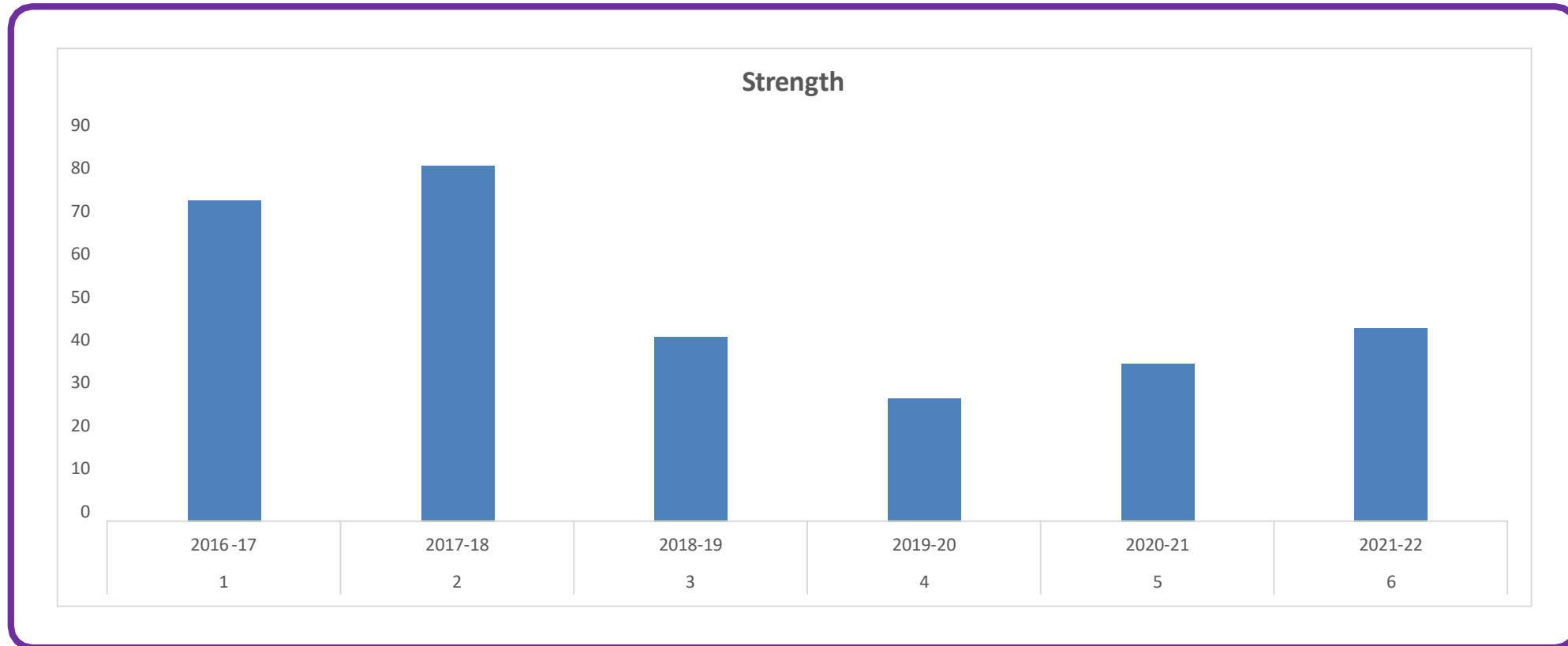
TIME DAY	SEM	10.00-10.55	10.55-11.50	11.50-12.45	12.45-1.15	1.15-2.10	2.10-3.05	3.05-4.00	
MON	II		Zoology		L U N C H				
	IV	Zoology							
	VI						Zoology	PAPER IN LIEU OF PROJECT	
TUE	II	Zoology							
	IV			Zoology					Sec-3
	VI		Zoology						
WED	II								
	IV	Zoology		Sec-3					
	VI		Zoology				ZoologyLab		
THU	II			Zoology					
	IV		Zoology						
	VI	Zoology							
FRI	II	Zoology							
	IV					ZoologyLab			
	VI								
SAT	II					ZoologyLab			
	IV								
	VI			PAPER IN LIEU OF PROJECT					

SEC-3: VERMI CULTURE

ENROLLMENT OF STUDENTS

Number of Students enrolled in first year at UG level

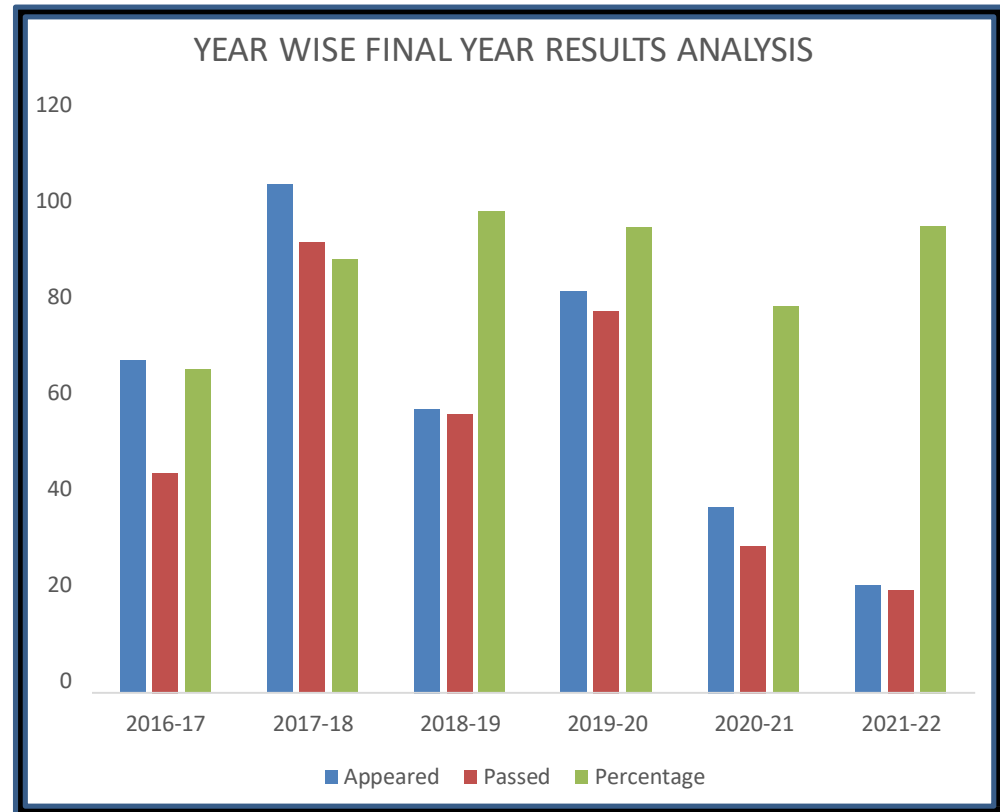
2016-2017	2017-2018	2018-2019	2019-2020	2020-2021	2021-2022
73	81	42	28	36	44



YEAR WISE FINAL YEAR RESULTS ANALYSIS

DEPARTMENT OF ZOOLOGY

Academic Year	Appeared	Passed	Percentage
2016-17	68	45	66.17
2017-18	104	92	88.46
2018-19	58	57	98.27
2019-20	82	78	95.12
2020-21	38	30	78.94
2021-22	22	21	95.45



STUDENT CENTRIC ACTIVITIES

Co-curricular and extra curricular activities

The Department of Zoology has initiated several types of co-curricular activities and extra curricular activities, such as

- Quiz Programs
- Students Seminars.
- Group discussions
- Guest lectures
- PG entrance coaching
- Remedial coaching
- Career guidance
- Parent teacher meeting
- Student counselling (mentor-mentee)
- NSS programs

STUDENT SEMINARS



Quiz Competition, Group Discussion, Workshop and Playway Methods



STUDENT STUDY PROJECTS

SNO	TOPIC NAME	STUDENT NAME	YEAR
1	Consequence of Renewable Resources	G Ram Reddy	2016-17
2	Contribution of Scientists	B. Swetha	2017-18
3	Evidences of Evolution	B. Kavitha	2018-19
4	Modern Life Style -Obesity	B. Renuka	2019-20
5	Marvellous and Most Complicated System in Humanbody - The Nervous System	A. Raju	2020-21
6	Fossils - Methods Find Their Age	M. Swapna	2021-22
7	The Better half Who Decides The Existance of The Human Race - Save Girl Child	A. Chandu	2021-22

ACCOMPLISHMENT OF PG

Sno	Name of the student	PG	Academic Year	Allotted University
1	M. Krishna Naik	M.Sc (Zoology)	2017-18	VV Degree and PG College, Koti, Hyderabad
2	K. Sree Harsha	M.Sc (Zoology)	2018-19	VV Degree and PG College, Koti, Hyderabad
3	V. Kavitha	M.Sc (Zoology)	2019-20	University PG College, Palamuru University, Mahabubnagar

DETAILS OF STUDENTS FOR HIGHER EDUCATION (ADMISSION INTO PG)

OUICET - 2018 ADMISSIONS
RECEIPT OF CERTIFICATES

Date and Time: 22/11/2018 2:47:24 PM

Candidate's Name: V. LADHA GOUD

Roll No: 71158780018

Rank: 447

Category: BC-B

Parental Income: Lower

Signature of Candidate: _____

CPGET - 2019
DIRECTORATE OF ADMISSIONS - OSMANIA UNIVERSITY, HYDERABAD

RANK CARD

Roll Ticket No: 7108780018

Candidate's Name: VEENAM SHEKHAR

Father's Name: K. RAMMURU GOUD

Exam Paper: M.Sc. Zoology

Category: BC_B

Date of Birth: 24-06-1998

Score: 56

Rank: 279

Signature: _____

RESTRICTIONS TO THE CANDIDATE

- The admission into PG Courses offered in Osmania University, Hyderabad, Osmania Group, Patancheru, Secunderabad and OUS, Hyderabad (in common with affiliated colleges) will be made through a centralized web-portal. Further, the admission merit, rank lists, cut-offs, etc. will be available on website. The qualified candidates are advised to visit the website from time to time for further admission information. Website: www.osmaniauniversity.com, www.ous.ac.in and www.ous.edu.in
- The entrance of the candidate is not verified / decided at the time of application and during the entrance test. The verification will be done after issuing the admission / Transfer Certificate to ensure that they are eligible for the respective PG / PGD program.
- The candidates called for verification / verification may bring the following original certificates/documents along with the set of copies:
 - Rank Card and Roll Ticket of CPGET - 2019
 - Transfer Certificate (TC) from the institution where the candidate has last studied
 - 10/12th certificates and provisional / provisional certificate of passing examination (if downloaded / scanned and not attested). The candidates should ensure they bring the original certificates with respective parents / legal guardian before the admission will not be considered.
 - Certificates of special categories, if applicable and where called for admission under these categories.
 - Additional Card
- Along with the above, the candidate must bring one of the following original identity cards of his/her along with their copies:
 - Indian Passport
 - PAN Card
 - Voter Identity Card
 - Driving License
 - Any other valid identity card
- In addition to the above, the candidate must also bring their passport size photograph which are similar to those uploaded in the web-portal.

CPGET - 2020
OSMANIA UNIVERSITY - HYDERABAD

Acknowledgement Card
Final Phase

Acknowledgement No: 5594

Candidate Details:

Roll No: 71158780018	Rank: 447
Name: V. LADHA GOUD	Gender: F
Father's Name: V. LADHA GOUD	Date of Birth: 24-07-2000
Category: BC-B	Region: OUS(Telangana)
Parental Income: Lower	Special Category: NA

Provisional Allotment Details:

Allotted College: University PG College, Palamuru University, Mahabubnagar	Course: M.Sc. Zoology	College Type: PU Campus
Allotted Category: REG_BCB_OU_FEMALE	Payment Type: Regular	

Payment Details

Course Fee Rs	24700.00/-
Amount paid in I and II phase Rs	700.00/-
Fee paid Rs	.00/-

Instructions to candidate

- Report to the allotted college and submit the acknowledgement card and original Transfer Certificate (TC) on or before 02-04-2021
- Produce all original certificates for final verification at the time of reporting at college.
- After final verification the candidate should collect Allotment order and joining report from the college authorities.
- Bring two sets of photographs (Xerox) of all certificates for submission at the respective colleges.
- Reporting at allotted college and submission of original Transfer Certificate (TC) at allotted college on or before 02-04-2021 is compulsory. If candidate fails to submit original Transfer Certificate (TC) at allotted college on or before 02-04-2021, the provisionally allotted seat stands vacated automatically.
- After payment of tuition fee, if the candidate cancels the provisionally allotted seat, the candidate will forfeit the counseling fee of Rs.700/-.
- If the candidate cancels his/her admission after final phase of counseling, tuition fee will be refunded as per UGC guidelines.

CONVENER
CPGET - 2020

EXTENSION LECTURES

S.No.	Class	Name of the Resource person	Topic delivered	Date
1	I,II,III BZC	Ruksna Banu Asst.Prof.of Zoology in GDC Nagarkurnool	Biogeochemical Cycles	17-12-2016
2	I ,II ,III BZC	Kurumaiah Lecturer in Zoology GDC Kollapur	Immune System of Humanbeing	06-02-2018
3	I ,II ,III BZC	B.John Babu Lecturer in Zoology in SUM GDC Kondanagula	Mendel Inventions	12-02-2019
4	I ,II ,III BZC	Dr.H.R.Bhonsle Asst.Prof.of Zoology in SVKN GDC Mahabubnagar	Protein Metabolism in Humanbeing	12-11-2019
5	I,II,III BZC	L.Kodanda Ramulu Lecturer in Zoology GDC Science Nagarkurnool	Hormonal Control of Menstrual Cycle in Human Mechanism	04-02-2021
6	I,II,III BZC	S.Anjaneyulu Lecturer in Zoology in MVS GDC Mahabubnagar	Cells of The Immune System	09-03-2022

EXTENSION LECTURES



FIELD TRIPS

Department organized field trips every year to make the students learn practically by observing

- Field trips arranged to “Nallamalla Forest of Mannanuru Range” to study the Rare and Wild Fauna of the Forest area.
- Visited Poultry Farm at Palem to study growing of the layer Birds.
- Visited ICRISAT, Patancheru, Hyderabad.
- Visited “RARS-Palem”of to study Vermicompost Method .

S.No	Academic Year	Place Visited
1	2017-18	Environmental Education Centre ,Mannanuru
2	2018-19	Poultry Farm at Palem
3	2019-20	ICRISAT, Patancheru, Hyderabad.
4	2021-22	RARS-Palem

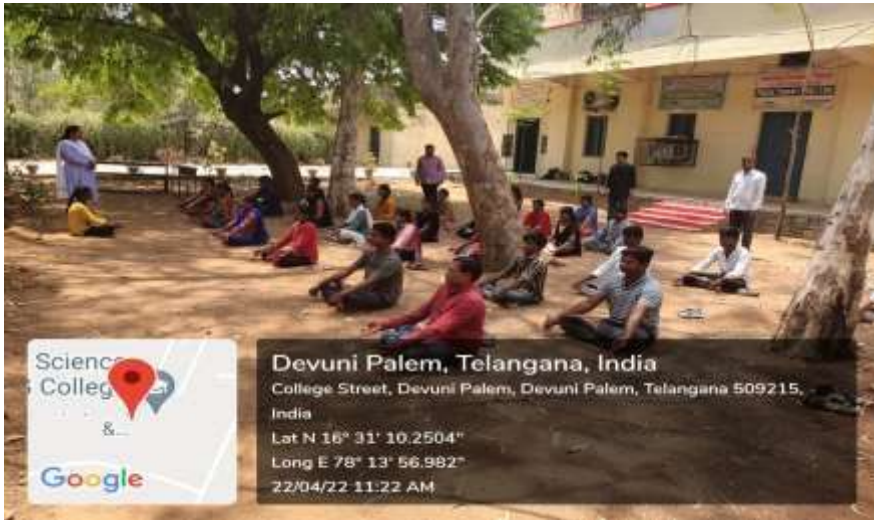
FIELD TRIPS



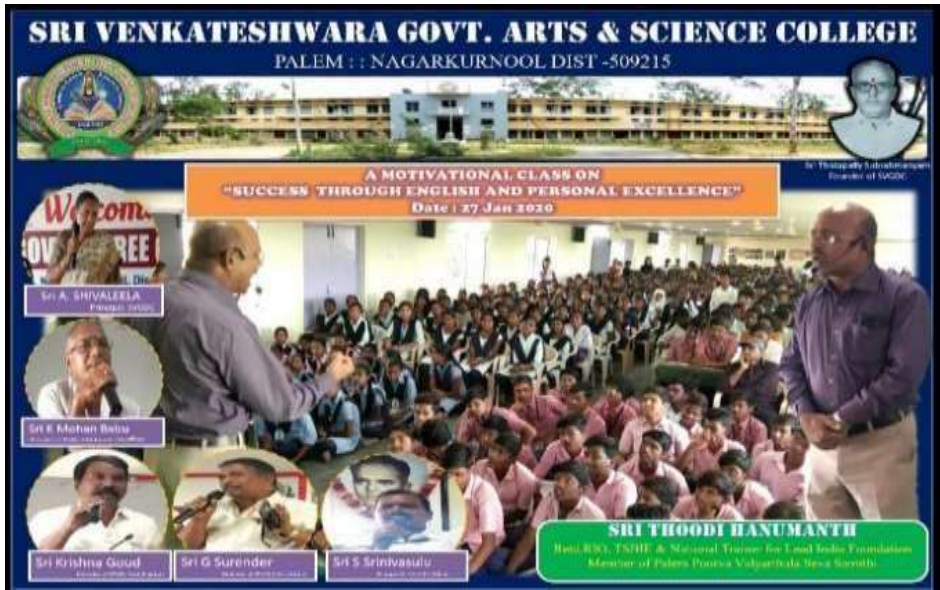
ICT TOOLS

Sl.No	Paper	Semester	Topic	Video Link	Duration
1	II	IV	FOETAL MEMBRANES	https://youtu.be/1uJ5MN5Gf84	36.52
2	II	IV	ULTRA STRUCTURE OF ANIMAL CELL	https://youtu.be/XofCVwBGETU	27.11
3	II	IV	PROKARYOTIC & EUKARYOTIC CELL	https://youtu.be/UMWi5pMXNwE	26.17
4	II	IV	TYPES OF EGGS	https://youtu.be/LEwK-S1zXiM	35.52
5	I	II	GENERAL CHARACTERISTICS OF FISHES	https://youtu.be/9ofPIRi08NM	23.05
6	I	I	GENERAL CHARACTERISTICS	https://youtu.be/TMVUAtheWbM	25.32
7	I	I	TYPES STUDY OF SCHISTOSMA HAEMATOBIIUM	https://youtu.be/1tRSbfs_vvw	21.02
8	I	I	LIFE CYCLE OF SCHISTOSMA HAEMATOBIIUM	https://youtu.be/JkVXVzaKXxU	27.02
9	I		GENERAL CHARACTERISTICS & CLASSIFICATION OF NEMATY HELMINTHES	https://youtu.be/DjwUlur31a4	21.37
10	I	I	LIFE CYCLE OF DRANCANULUS MEDINENSIS	https://youtu.be/Tb-WSM2L6rY	26.1

EXTENSION ACTIVITIES



EXTENSION ACTIVITIES



DEPARTMENT LIBRARY

- **The Central Library is being used by the students to take the books. In addition to this we have departmental library consists of academic and reference books. These books are available to the students with the help of our faculty members.**
- **The Department maintains previous question papers, question banks for student's reference.**
- **Further with the aid of Digital Library of College, students of the Department are constantly guided in a proper way towards the pursuit of employability.**
- **The Department has one computer system with internet facility.**
- **The Department faculty has been enthusing students to read zoology journals and News papers such as**
 - **Namasthe Telangana, Eenaddu, Sakshi, Andhra Jyothi news papers.**
 - **Yojana magazine, published from New Delhi.**
- **The Department of Zoology consistently recommends the College library to purchase latest version of Text books, magazines and Journals.**

Particulars of Faculty Published Articles

YEAR	ARTICLE NAME	PUBLISHER	ISSN NO
2018	Preliminary Studies on Water Quality Assessment of Veeranna Cheruvu, Hasnapur, Mahabubnagar Dist, TS, India	IJSRST Publications	2395-6011
2018	Influence of Acanthocephala Parasite on Haematological changes in Lobeo rohita(Hamilton, 1822) of Veeranna Cheruvu, Hasnapur, Mahabubnagar Dist, TS, India	IJSRST Publications	2395-6011

Details of the Faculty Attended for FDP

S.No	FDP Title	Place	Year
1	Emerging Trends in Sciences–Usage of Research Tools and Techniques	Vardhaman College on Engineering, Hyderabad(online)	15 th -20 th , June-2020
2.	International FDP “E-Governance Culture Transformation in Higher Education”	Bharathiar University and Hindustan College of Arts and Science, Coimbatore, Tamil Nadu (online)	26 June-2020
3.	E- Learning Management System	Yogi Vemana University	29 th June to 1 st July 2020
4.	Hurdles and Solutions in Research Avenues	Tara Govt College, Sangareddy, TS, India	13 th - 26 th July 2020

Details of the Faculty Attended for Workshop

S.No	Workshop Title	Place	Year
1	Awareness Workshop NIRF INDIA Rankings - 2021 for Higher Education Institutions	Collegiate Education and Technical Education Dept, Govt of Telangana	18 th -19 th , Jan-2021
2.	Transformation through NAAC Accrediation Process, a Nantional Level Workshop for higher educational Institutions	Collegiate Education and Technical Education Dept, Govt of Telangana	21 st - 22 nd June-2021

GREEN INITIATIVES



BEST PRACTICES

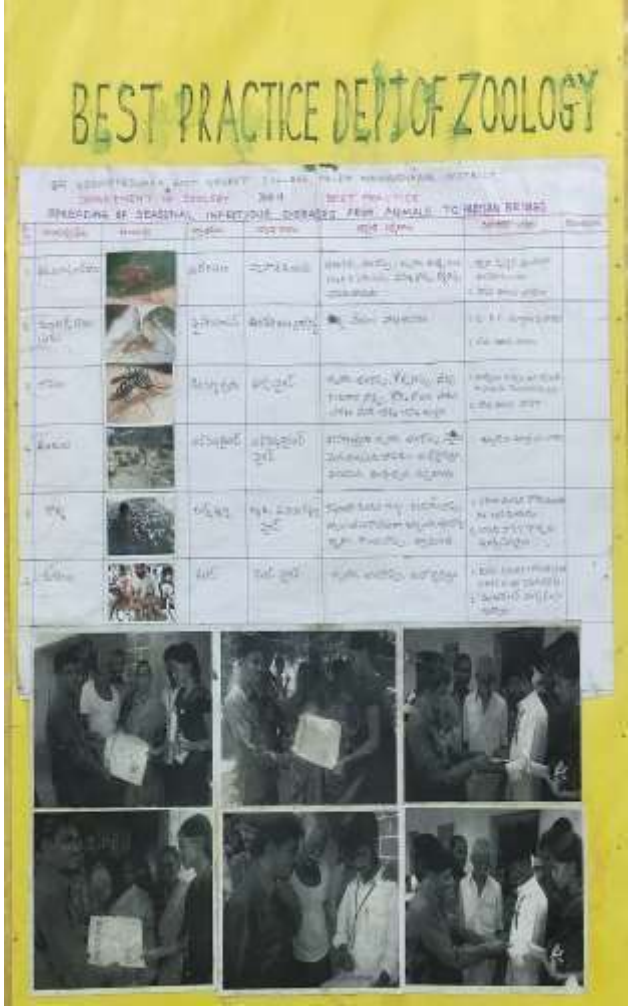
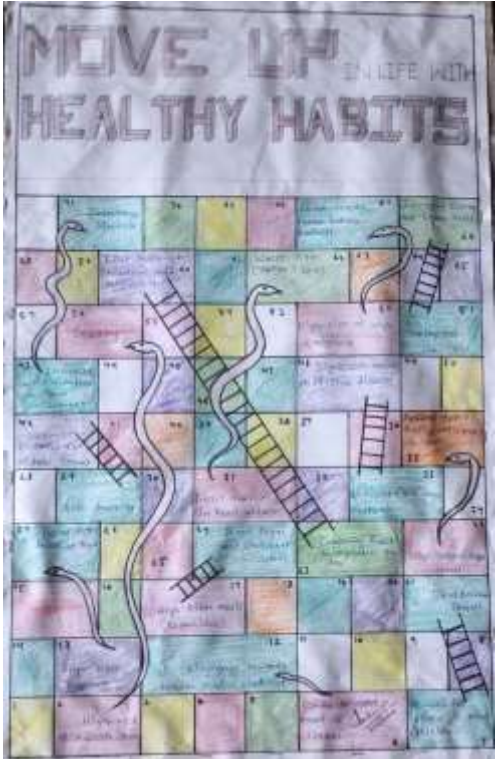
Our department has done the following best practices:

- **Vermicompost Unit.**
- **Collection of List of Endangered Species of World and India.**
- **Collection of State-Animals.**
- **Spreading of diseases from animals to humans.**
- **Move up healthy habitats.**
- **Warriors of the Indian Boarder.**
- **Vaccination Drives.**
- **Quiz Programmes, Seminars, Extension Lecturers, Field Visits and Group Discussions are conducted periodically.**

BEST PRACTICES

S.no	Year	Best Practice
1.	2016-17	Collection of List of Endangered Species of World and India
2.	2017-18	Collection of State-Animals
3.	2018-19	Spreading of diseases from animals to humans
4.	2019-20	Move up healthy habitats
5.	2020-21	Warriors of the Indian Border
6.	2021-22	Vaccination Drives

BEST PRACTICES



ACTION PLAN

- To concentrate more on student problems and to improve their results.
- Propose to strengthen our laboratories with RUSA funding.
- To introduce job oriented courses like Sericulture & Vermiculture.
- Propose to field trip to NIN Institute.
- Propose to contribute gold medal to Zoology topper.
- To train the students for effective English speaking
- We plan to subscribe for few more journals
- We plan to organize a state level seminar on Recent Trends in Biotechnology.
- We plan to install aquarium in the lab.
- We plan to supply material to the academically backward students.



Thank You