



AISHE Code: C-27584

ISO Certified 9001:2015

GOVERNMENT DEGREE COLLEGE, THORRUR

MAHABUBABAD DISTRICT, TELANGANA STATE – 506163

e-Mail: jc.gdc.thorrur@gmail.com, Mobile: 8008307999

Website: <https://gdcts.cgg.gov.in/thorrur.edu>



DEPARTMENT OF ZOOLOGY

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DEPARTMENT OF ZOOLOGY

ABOUT DEPARTMENT

The Government Degree College, Thorrur was established in the year 2008. The Department of Zoology has been in existence since the inception of college in 2008. The Institution offers an Undergraduate Programme in Zoology Course. Initially, B.Sc. (Programme) in Life Sciences was offered with Botany, Zoology and Chemistry combination. Presently, new courses like Dairy Science and Sericulture have been introduced. The Department of Zoology has a spacious classroom cum laboratory. Presently, two faculty members are working in the department. The Department of Zoology aims at imparting quality education to the students and transforming them to be self reliant.

VISION & MISSION

Vision

1. To transform the students to excel in academics, research and model them to be self reliant.
2. To shape the students to be responsible citizens of the nation.

Mission

1. To impart knowledge in students as per the curriculum.
2. To develop cognitive, affective and psychomotor skills in the students.
3. To motivate the students towards research.
4. To create employable skills in the students.
5. To train the students to get opportunities for higher education.
6. To inculcate ethical and moral values in the students

DEPARTMENTAL PROFILE

1. Name of the Department : Zoology
2. Year of Establishment : 2008
3. Programmes / Courses offered : B.Sc. Life Sciences
Botany, Zoology, Chemistry
Dairy Science, Zoology, Chemistry
Sericulture, Botany, Zoology
4. Annual/ Semester/Choice based credit : B.Sc. (Choice Based Credit System)
System (programme wise) Semester System
5. MoUs with other Colleges : Department of Zoology is having
MoUs with the following institutions.
1. Department of Zoology, Kakatiya University
 2. Department of Zoology (Sericulture Unit),
Kakatiya University
 3. Pingle Government College for Women ,
Waddepally
 - 4 Dr. Venkat, Veterinary Doctor Primary
Veterinary Centre, Thorrur
6. Number of Teaching posts:

DESIGNATION	SANCTIONED	FILLED
Assistant Professor	2	2

7. Faculty Details:

Name	Qualification	Designation	No. of Yearsof Experience
Dr. P. Rohini	M.Sc., B.Ed, Ph.D	Assistant Professor	22 years
T. Sarada	M.Sc., (Ph.D)	Contract Faculty	16 years

8. List of Senior Faculty visiting the Department : 1. Dr. M. Ramulu
Rtd. Associate Professor of Zoology
Pingle Govt. Degree College for
Women, Waddepally,

2. Dr. Y. Venkaiah
Associate Professor Department of
Zoology, Kakatiya University

3. Dr. K. Sujatha
Assistant Professor Department of
Sericulture, Kakatiya University

4. Dr. Kaneez Fatima
Assistant Professor Department of
Sericulture, Kakatiya University

10. Student -Teacher Ratio (Programme wise) : B.Sc. (Life Sciences) Zoology - 1 : 70

11. Student progression:

Student progression	Against % Enrolled
Post Graduation and other higher studies	40%

12. Details of Infrastructural facilities : Laboratory Equipment - Sufficient to
conduct practical for one batch.
Departmental Library - 40 books
Reference Books - 19
Textbooks - 21

13. Details on student enrichment programmes
(Special Lectures/workshops/Seminar) : Extension Lectures - 4
with external Experts

14. Teaching methods adopted to improve Student learning

: Lecture method, Lecture Demonstration, Experimental method.
Student centric methods - Student Seminar, Quiz, Group Discussion, Elocution and Essay writing, Study Project Think, Pair and Share Activity and Frame a Question.

15. Participation in Institutional Social Responsibility (ISR) and Extension Activities

: Participation in academic, research, NSS, cultural and literary events

COURSES/ PROGRAMMES OFFERED

This institute initially offered B.Sc. Programme in Life Sciences with the combination of Botany, Zoology and Chemistry (BZC).

New Vocational course Dairy Science was introduced in B.Sc. Programme (Life Sciences) under the Choice Based Credit System in the year 2020-21.

Another vocational course Sericulture was introduced in B.Sc. Programme (Life Sciences) under the Choice Based Credit System in the year 2021-22.

The courses offered by the institute at present are given in the table below.

PROGRAMME	GROUP/ COMBINATION OF COURSES	MEDIUM
B.Sc.	BZC/ Botany, Zoology, Chemistry	English
B.Sc.	DZC/ Dairy Science, Zoology, Chemistry	English
B.Sc.	SBZ/ Sericulture, Botany, Zoology	English

COURSE DETAILS

There has been some change in the Zoology Course curriculum in the last five years. During 2017 -18, there were eight papers out of which two were elective papers which were dealt in the final year. The Curriculum has been changed under Choice Based Credit System in the academic year 2016 -17. Since then, there were in total eight papers, one paper for each Semester but in the third year there were two electives in each semester. The Curriculum has been again revised with a few changes in 2019 -20. Presently, there are six papers in the Zoology Course, one paper per Semester.

The papers in the Zoology Course are given below.

S.NO.	YEAR	SEMESTER	PAPER
1	I	I	Animal Diversity - Invertebrates
2		II	Animal Diversity- Vertebrates
3	II	III	Animal Physiology and Animal Behaviour
4		IV	Cell Biology, Genetics, Molecular Biology and Developmental Biology
5	III	V	Immunology and Animal Biotechnology
6		VI	Ecology, Zoogeography and Evolution

STUDENT ENROLMENT

There is a vast improvement in the enrolment of students in the B.Sc. (Life Sciences) programme during the last five years. The relentless efforts of the faculty and the introduction of new courses have helped in the improvement of the student enrolment. The gender and category wise enrolment of students from the academic year 2017-18 to 2021-22 is given below.

ENROLMENT OF STUDENTS GENDER AND CATEGORY WISE

2017-18

Class	SC		ST		BC		OC		Total		Grand Total
	M	F	M	F	M	F			M	F	
I	3	2	2	2	1	2	-	-	6	6	12
II	1	1	0	2	0	2	-	-	1	5	6
III	0	1	3	0	2	0	-	-	5	1	6
	4	4	5	4	3	4	-	-	12	12	24

2018-19

Class	SC		ST		BC		OC		Total		Grand Total
	M	F	M	F	M	F			M	F	
I	4	3	2	0	0	1	-	-	6	4	10
II	3	2	3	1	1	2	-	-	7	5	12
III	0	2	0	2	0	2	-	-	0	6	6
	7	7	5	3	1	5	-	-	13	15	28

2019-20

Class	SC		ST		BC		OC		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
I	3	3	0	5	4	7	0	1	7	16	23
II	2	2	0	1	0	0	-	-	2	3	5
III	1	1	0	2	0	1	-	-	1	4	5
	6	6	0	8	4	8	-	1	10	23	33

2020- 21

Class	SC		ST		BC		OC		Total		Grand Total
	M	F	M	F	M	F	M	F	M	F	
I	14	16	8	7	16	15	1	1	39	39	78
II	1	1	0	5	1	3	-	-	2	9	11
III	1	2	0	6	0	0	-	-	1	2	3
	16	19	8	12	17	18	1	1	42	50	92

2021-22

Class	SC		ST		BC		OC		Total		Grand Total
	M	F	M	F	M	F	M		M	F	
I	11	09	13	4	17	19	0	0	41	32	73
II	11	12	5	3	13	11	0	1	29	27	56
III	1	1	0	4	1	3	0	0	2	8	10
	23	22	18	11	31	33	0	1	72	67	139

FACULTY PROFILE

The details of the faculty who have worked in the Department of Zoology since its inception in the year 2008 are given below.

S.NO.	NAME OF THE FACULTY	EDUCATIONAL QUALIFICATION	DESIGNATION	DURATION FROM	TO
1.	B. Vimala	M.Sc.	Contract Lecturer	1-9-2008	31-3-2012
2.	Ch. Samatha	M.Sc.	Contract Lecturer	12-10-2012	16-4-2013
3.	Dr. P. Brahmam	M.Sc., Ph.D.	Contract Lecturer	29-10-2014	31-7-2016
4.	M. Venkateshwar Rao	M.Sc., (Ph.D)	Assistant Professor	31-7-2016	30-6-2018
5.	Dr. P. Rohini	M.Sc., Ph.D., B.Ed.	Assistant Professor	1-7-2018	16-7-2019
6.	Dr. K. Anil Kumar	M.Sc., Ph.D.	Contract Lecturer	25-7-2019	4-12-2019
7.	Dr. P. Rohini	M.Sc., Ph.D., B.Ed.	Assistant Professor	3-12-2019	Till date
8.	T. Sarada	M.Sc.,(Ph.D)	Contract Lecturer	8-12-2021	Till date

Present Staff Particulars

S.No.	Name	Designation	Mode of Appointment	Position
1.	Dr. P. Rohini	Assistant Professor	Regular	In charge of the Department
2.	T. Sarada	Lecturer	Contract	Member

WORKLOAD PARTICULARS

S.No.	Name	Designation	Mode of Appointment	Workload
1	Dr. P. Rohini	Assistant Professor	Regular	20
2	T. Sarada	Lecturer	Contract	26

TIME TABLE

GOVERNMENT DEGREE COLLEGE -THORRUR,MAHABUBABAD(Dist)

DEPARTMENT OF ZOOLOGY

TIME TABLE-(2022-2023)

BZC/DZC/ SBZ

I,III,V Semester

Days	Group	I (10.00 to 11.00)	II (11.00 to 12.00)	III (12.00 to 01.00)	1.00 to 1.30	IV (1.30 to 2.30)	V (2.30 to 3.30)	VI (3.30 to 4.30)	
MON	First Year	ZOO			LUNCH			EST	
	Second year					ZOO			
	Third Year		ZOO						
TUE	First Year	ZOO							EST
	Second year					ZOO			
	Third Year		ZOO				TBS1 ZOO LAB		
WED	First Year	ZOO					FDS1 ZOO LAB		
	Second year						SS1 ZOO LAB		
	Third Year		ZOO						
THU	First Year	ZOO					FDS2 ZOO LAB		
	Second year						SDS1 ZOO LAB		
	Third Year		ZOO				TDS2 ZOO LAB		
FRI	First Year						FBS1 ZOO LAB		
	Second year		ZOO						
	Third Year							LIBRARY	
SAT	First Year						FSS1 ZOO LAB		
	Second year		ZOO				SBS1 ZOO LAB		
	Third Year						TDS1 ZOO LAB		

EST

Environmental Studies

Dr. P.Rohini


Principal
Govt. Degree College
THORRUR, Dt. Mahabubabad

GOVERNMENT DEGREE COLLEGE -THORRUR,MAHABUBABAD(Dist)

TIME TABLE-(2022-2023)

BZC/DZC/ SBZ


II,IV,VI Semester

Days	Group	I (10.00 to 11.00)	II (11.00 to 12.00)	III (12.00 to 01.00)	1.00 to 1.30	IV (1.30 to 2.30)	V (2.30 to 3.30)	VI (3.30 to 4.30)
MON	First Year	ZOO			LUNCH			
	Second year					ZOO		
	Third Year		ZOO					
TUE	First Year	ZOO						
	Second year					ZOO		
	Third Year		ZOO				TBS1 ZOO LAB	
WED	First Year	ZOO					FDS1 ZOO LAB	
	Second year						SS1 ZOO LAB	
	Third Year		ZOO					PHH
THU	First Year	ZOO					FDS2 ZOO LAB	
	Second year						SDS1 ZOO LAB	
	Third Year		ZOO				TDS2 ZOO LAB	
FRI	First Year					FBS1 ZOO LAB		
	Second year		ZOO					
	Third Year	PHH					PHH LIBRARY	
SAT	First Year							
	Second year		ZOO			FSS1 ZOO LAB		
	Third Year	PHH				SBS1 ZOO LAB		
						TDS1 ZOO LAB		

PHH

Public Health and Hygeine

Dr. P.Rohini


Principal
Govt. Degree College
THORRUR, Dt. Mahabubabad

INFRASTRUCTURE

The Department of Zoology exists in a classroom cum laboratory room. The Department of Zoology has the following infrastructural facilities.

LABORATORY

The laboratory is well equipped with sufficient glassware and instrumentation required to conduct practical for a batch.

MUSEUM

The Department maintains a Museum for providing basic understanding of the Animal Diversity of both Invertebrates and Vertebrates. The Museum has about 84 specimens in total. There are about Seventy one Invertebrate specimens, five Vertebrate specimens and four Protochordate specimens. There are 30 models belonging to different animals.

S.No.	Equipment/Material	Number
1	Microscope Monocular	5
2	Projection type Microscope	1
3	Dissecting Microscope	5
4	Medical Microscope	1
5	Microscope Binocular	1
6	Laboratory Oven	1
7	Hot water bath	1
8	Autoclave	1
9	Refrigerator	1
10	Centrifuge	1
11	Weighing machine	1
12	Colorimeter	1
13	Blood Cell Counter	1
14	Digital pH Meter	3
15	Digital Balance	2
16	Stop clock	1
17	Electrophoresis kit	1
18	Sahli's Haemoglobinometer	4
19	Neubar Haemocytometer	10
20	ELISA kit	3
21	Tissue Homogenizer	2
22	Slides	80
23	Charts	36
24	Osteology of Frog and Fowl	1 each
25	Glassware & Miscellaneous items test tubes, beakers, conical flasks and pipettes	Sufficient to conduct practical for a single batch

OVERHEAD PROJECTOR

There is a common overhead projector for all science departments. Digital classes will be taken with the use of the projector.

DEPARTMENTAL LIBRARY

The Department of Zoology maintains a departmental library for the welfare of students. The students collect the reference books of different authors and other text books. The books will be issued to the students on their request by entering the details in the Issue Register. The students return the books after their examinations. The total number of books available in the Departmental library is **40**. The number of text books available are **19** and Reference Books are about **21**.

TEACHING LEARNING PROCESS

The Department of Zoology provides a conducive environment for the process of teaching and learning. The curriculum is framed by the affiliated university and examinations are conducted by the same the University. The teaching is done as per credits and hours allotted for theory and practical. The teaching is done in an effective manner by adopting various methods to enable the students to learn comfortably. The learned concepts are assessed by Internal Assessment and University Examination.

Teaching Methods

The teaching methods usually adopted are Lecture method, Lecture demonstration method and Experimental method. The student centric methods adopted in teaching are Student Seminar, Quiz, Group Discussion, Elocution and Essay writing. The innovative teaching methods followed by the department are Think, Pair and Share Activity and Frame a Question.

ASSIGNMENTS

Assignments are given on important topics in the curriculum regularly. Students complete their assignments in the stipulated time.

FRAME A QUESTION

Frame a Question is an innovative teaching technique. Students are asked to frame single word or sentence answer questions from the topics assigned to them. This helps the students in extensive reading and helps them in preparation for competitive examinations.

STUDENT SEMINAR

Student Seminar is one of the best methods of learning. Students teach fellow students on a particular topic. Suggestions will be given to the student seminar presenter. The peers also give their feedback on the presentation.



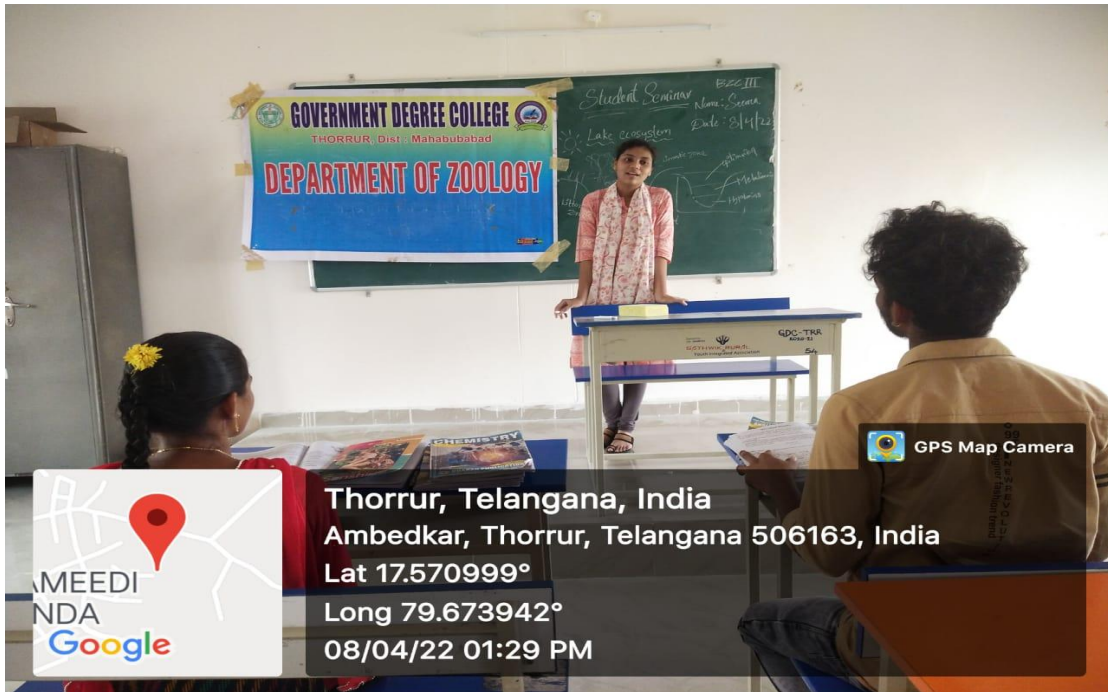
Student Seminar by D. Swapna, B.Sc. III year on 16-03-2019



Student Seminar by A.Sushma Rani B.Sc. I year on 19-02-2020



Student Seminar by T. Ravali B.Sc. II year on 2-3-2019



Student Seminar by Seema Firdos B.Sc. III year on 8-4-2022



Student Seminar by G.Rajitha, B.Sc. III year on Water Cycle on 13-4-2022



Student Seminar by Narmada, B.Sc. I year on Sycon on 13-4-2022



Student Seminar by Ch. Aparna, B.Sc. I year on Adrenal Glands on 13-4-2022

QUIZ

Quiz is conducted every year for all B.Sc. (Life Sciences) students on the topics related to the curriculum. Students actively participate in the Quiz programme every year. Quiz helps the students in extensive reading.



Quiz conducted on the eve of National Science Day on 28-02-2020



Quiz conducted on the eve of National Science Day on 28-02-2020



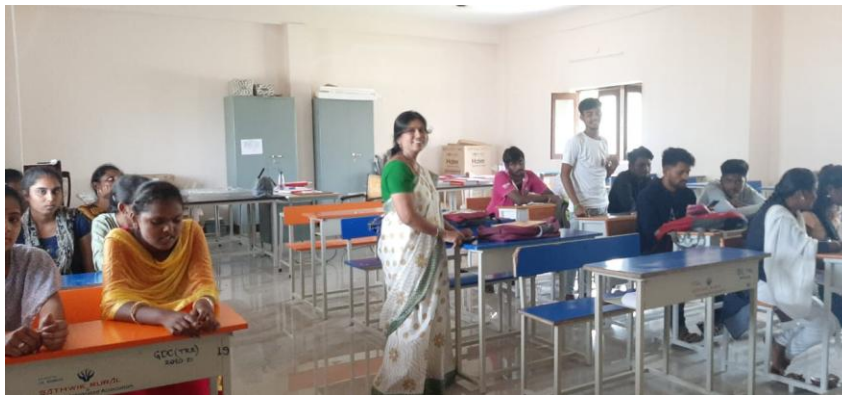
Quiz conducted on 9-03-2022

GROUP DISCUSSION

Group Discussion develops critical thinking and communication skills. The whole class is divided into groups based on numerical strength. A thought provoking question is raised. Students discuss among themselves and each group presents their opinion.



Group Discussion conducted on 14-11-2021



Group Discussion conducted on 2-03-2021



Group Discussion conducted on 10-02-2020

THINK PAIR AND SHARE ACTIVITY

Think pair and share activity develops creative and critical thinking and communication skills. A critical thinking question is given to the students. The students are grouped into two and are allowed to discuss the issue and share their views. The opinions of all students are gathered and conclusions are drawn on the issue.

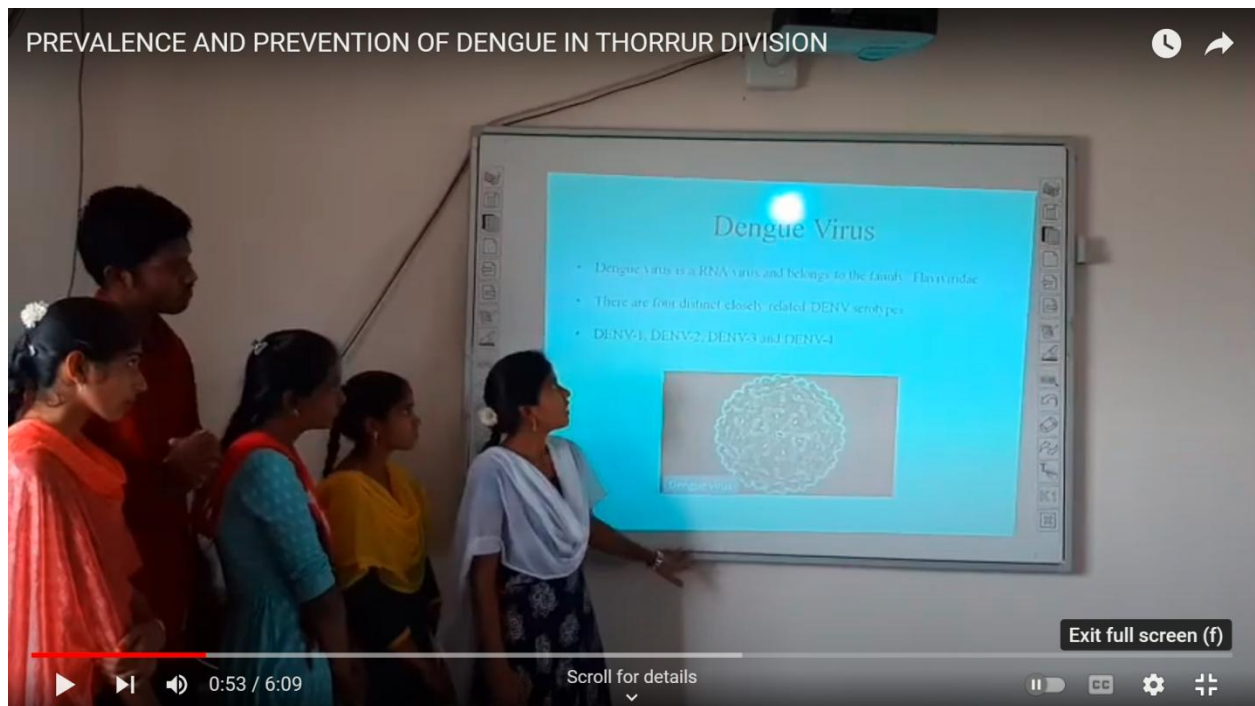


Think, pair and share activity conducted on the topic Human Cloning on 2-12-2021

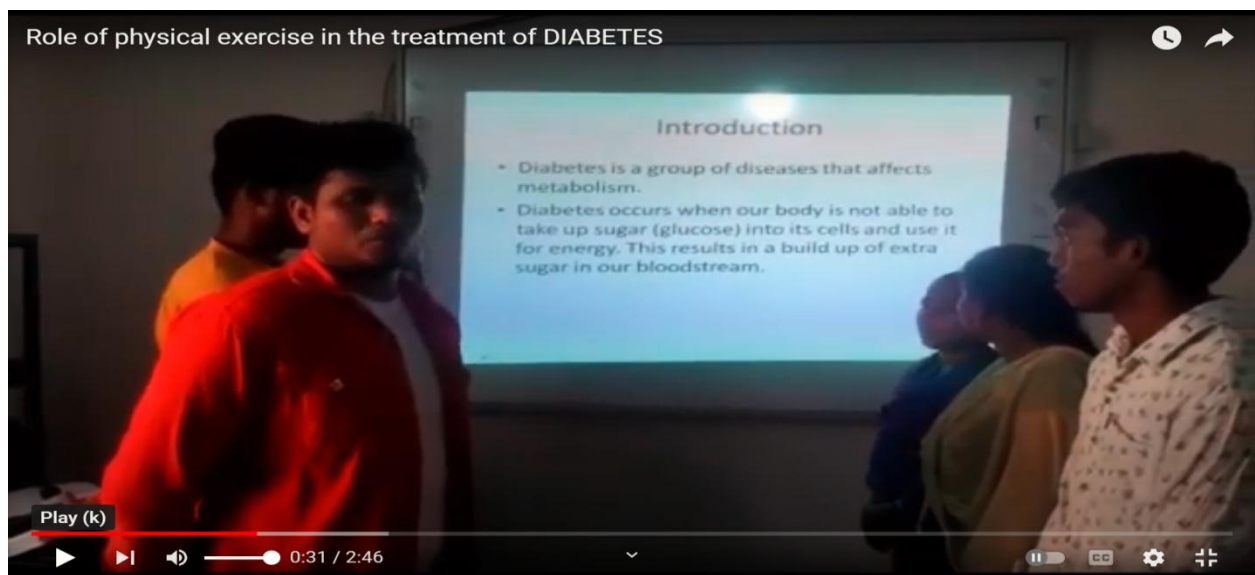
STUDY PROJECT

A scientific study is done on a particular topic with the help of genuine data. The analysis of the data is done and conclusions are drawn from the data. The results of the data help in assuming recommendations.

Study Projects are given to students making them into groups. Projects are given on a particular topic every year. Students are guided for the successful completion of the project.



Presentation of JIGNASA Student Study Project in 2021-22 on the topic Prevalence and Prevention of Dengue in Thorrur Division



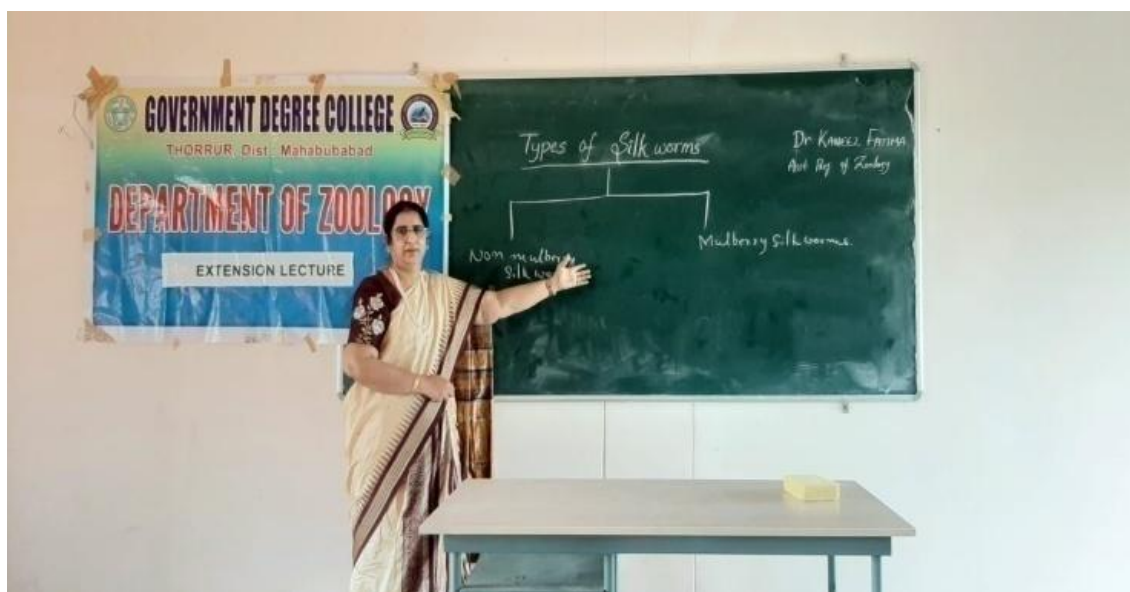
Presentation of JIGNASA Student Study Project in 2021-22 on the topic Prevalence and Prevention of Dengue in Thorrur Division

EXTENSION LECTURES

Extension Lectures have been organized by the department to energize the students, add value to the learned concepts and offer a new perspective. The faculty from other institutions, Retired faculty and Faculty from Kakatiya University are invited to give extension lectures.



Extension Lecture by Dr. A. Srinivas Reddy, Assistant Professor on 25-9-2021



Extension Lecture by Dr. Kaneez Fatima, Assistant Professor on 02-02-2019



Extension Lecture by Dr. M. Ramulu, Associate Professor on 11-5-2022




విద్యార్థులు సైన్స్పై అవగాహన పెంచుకోవాలి

❖ విశ్రాంత ఆచార్యులు డాక్టర్ రాములు

నవతెలంగాణ-తొర్రూరు

విద్యార్థులు సైన్స్పై అవగాహన పెంచుకోవాలని హనుమకొండలోని పింగిలి ప్రభుత్వ డిగ్రీ కళాశాల విశ్రాంత ఆచార్యుడు డాక్టర్ రాములు తెలిపారు. డివిజన్ కేంద్రంలోని ప్రభుత్వ డిగ్రీ కళాశాలలో బుధవారం డిగ్రీ విద్యార్థులకు నిర్వహించిన సెమినార్కు ఆయన ముఖ్యఅతిథిగా హాజరై మాట్లాడారు. చార్లెస్ డార్విన్ సిద్ధాంతం, పారిశ్రామిక విప్లవం తర్వాత జీవుల్లో ఏర్పడిన మార్పులు, తదితర అంశాలను విద్యార్థులకు వివరించారు. సైన్స్పై అవగాహన పెంచుకుంటే ఉజ్వల భవిష్యత్తు ఉంటుందన్నారు. కార్యక్రమంలో ఇన్‌ఛార్జి ప్రిన్సిపాల్ డాక్టర్ వెంకటరమణ, జంతుశాస్త్ర విభాగాధిపతి డాక్టర్ రోహిణి, అధ్యాపకురాలు శారద, తదితరులు పాల్గొన్నారు.

You are viewing Dr. G. Suhasini's screen View Options 00:11:01 View



**MOSQUITO
&
HUMANS**

- ▶ Mosquito : feeds on blood of humans
- ▶ Humans : gets various diseases transmitted by mosquito such as Dengue

Dr. G. Suhasini
ROHINI PADMA
pavankalyan. v
pavankalyan. v
Ramana kumari...
Ramana kumari Donaka
Somendar
Somendar

Extension Lecture in Online mode by Dr. G. Suhasini



Extension Lecture by Dr. Y. Venkaiah, Associate Professor, Kakatiya University

FIELD TRIPS

Field Trips are organized by the department to enable the students to learn through real world experience and hands - on experience.



Field trip to VIJAYA DAIRY in the year 2021-22



Field trip to Kakatiya Zoological Park, Warangal



Observation of Museum Specimens at Department of Zoology, KU



Field Trip to Milk Chilling Centre at Thorrur

Field trip to Thorrur Pond



Collection of different Molluscan shells

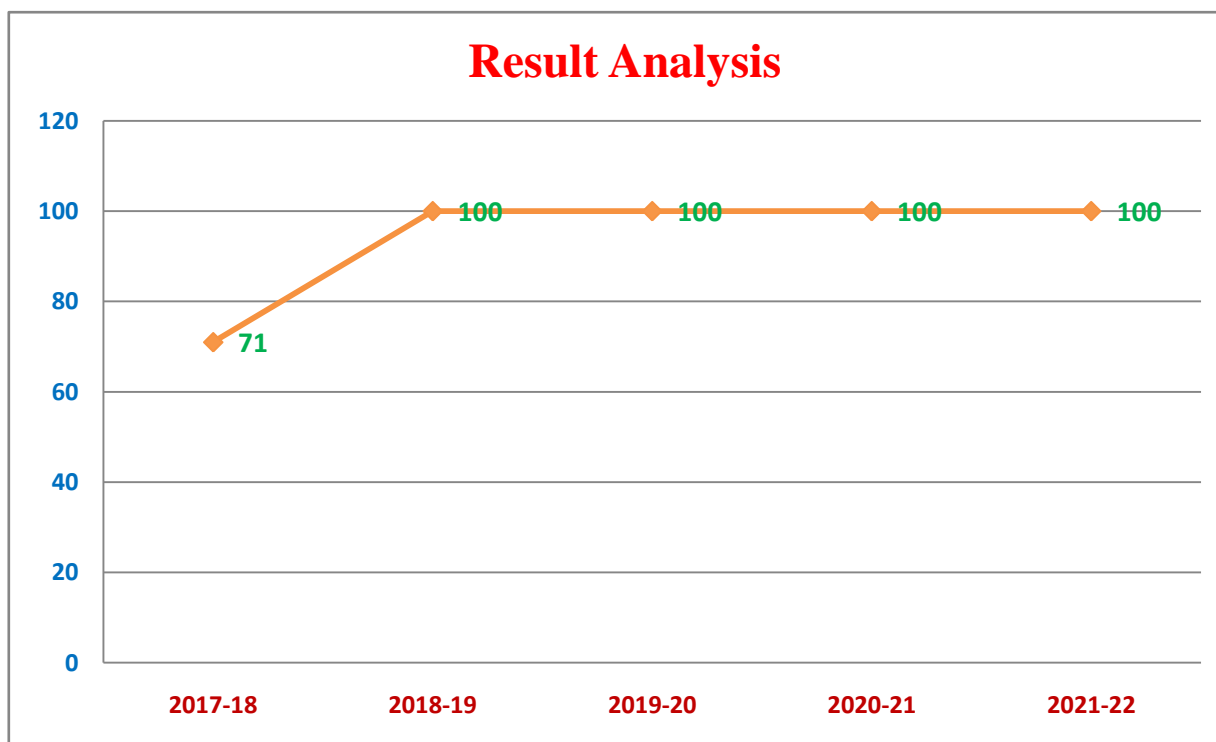


Collection of Pond water

RESULT ANALYSIS (2017-22)

The result analysis report of the Department of Zoology in the last five years is as follows

S. No.	Academic Year	No. of Appeared	No. of Passed	Percentage of passed	Remarks
1	2017-18	7	5	71	
2	2018-19	4	4	100	
3	2019-20	5	5	100	
4	2020-21	3	3	100	
5	2021-22	10	10	100	



E- CONTENT/ ICT

Audiovisual aids like power point presentations are used in teaching to enable the students to understand the concepts clearly. Videos from You tube related to the topics are shown to the students during the class. Video lessons have been prepared on different topics and are made available to the students to enable them to learn according to their convenience.



Lecture by Dr. P. Rohini, using ICT on Muscle Contraction



Lecture by Smt. Sarada using ICT on *Dracunculus medinensis*

CERTIFICATE COURSES /ADD ON COURSES

The Department of Zoology has introduced three certificate courses for the benefit of students in the last five years. These courses would help the students to gain self employment. All the students of the college are eligible to enroll in the courses. The certificates will be issued based on their performance in the assessment test and percentage of attendance.

S.No.	Academic Year	Name of the Certificate Course	Number of students enrolled	Number of students completed the course
1.	2017-2018	Vermicomposting	16	14
2.	2018-2019	Vermicomposting	33	27
3.	2019-2020	Fish Culture Practices in Telangana	32	27
4.	2020-2021	Food and Nutrition	30	24
5.	2021-2022	Fish Culture Practices in Telangana	30	25
6.	2021-2022	Food and Nutrition	30	24



Certificate Course on Food and Nutrition

EXTENSION ACTIVITIES

A) Additional Responsibilities held

S.No.	Name	Designation	Additional Responsibility	Position
1.	Dr. P. Rohini	Assistant Professor	NSS & Social Responsibility Red Ribbon Club Health Club Website Committee Discipline & Anti Ragging Committee Building Maintenance & Repair Committee	Programme Officer Convenor Convenor Convenor Member Member
2.	T. Sarada	Lecturer	Eco Club	Convenor
			Cultural Club	Convenor
			Magazine/ Hand Book Committee	Member

NSS



Plantation at the New College Building



Plantation at Velikatte village



Shramadanam



Swachhbarat



Distribution of Clay Ganesh Idols



AIDS Rally



Awareness on Blood Donation



Earth Day



International Women's Day



Yoga Day



Awareness on Corona Virus



COVID 19 Vaccination



Participation in Cultural events



Eco Club Activities

B) Awareness through Celebration of Important Days

Important Days like National Science Day, World Wildlife Day, World Diabetes Day, Iodine Deficiency Day, World Cancer Day etc., have been celebrated to create awareness among the students. Competitions in the related topics have been conducted for widening their knowledge.



National Science Day Celebration in 2019-20 distribution of prize to the Quiz Winners.



Celebration of World Sparrow Day on 21-3-2022



Elocution Competition on World Wild Life Day 3-3-2022



Dr. P. Rohini speaking on the occasion of World Cancer Day



Dr. P. Rohini speaking on the occasion of World Iodine Deficiency Day

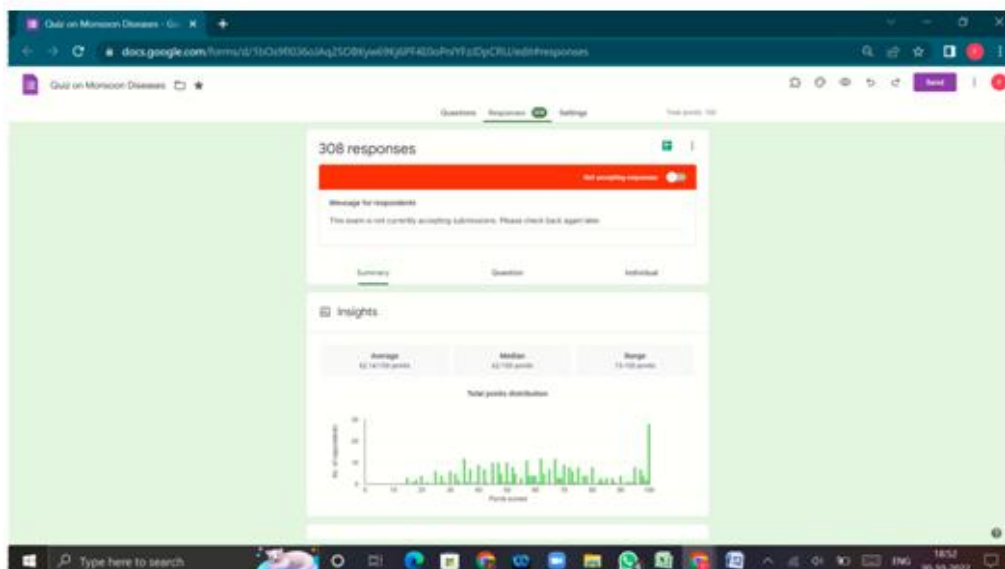
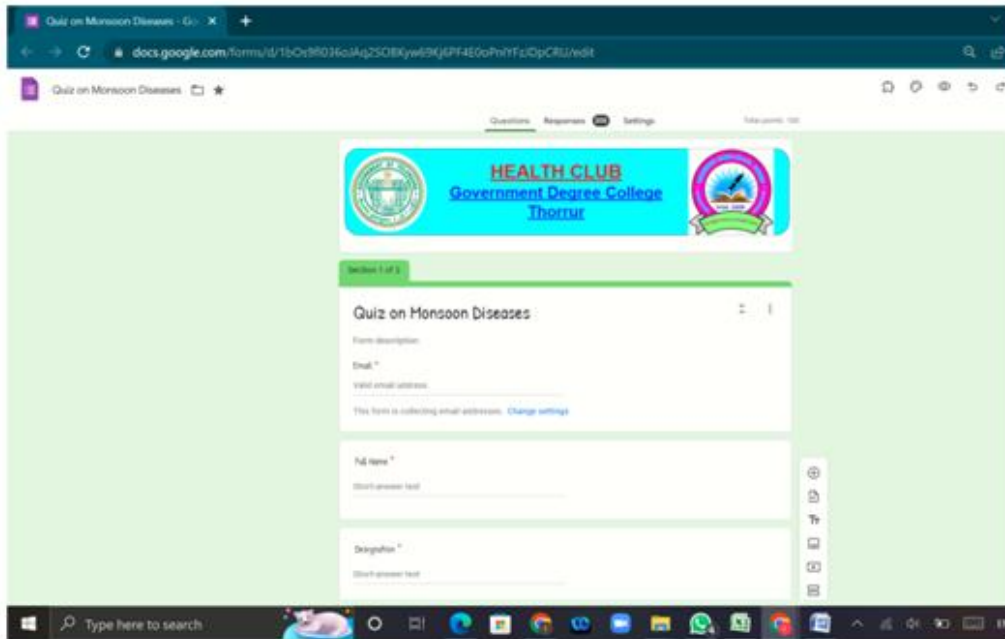


Celebration of World Food Safety Day on 7-6-2022

C) E- QUIZ

National Level e Quiz on Monsoon Diseases has been conducted by the Department of Zoology in the capacity of Convenor, Health Club.

National Level e-Quiz on Monsoon Diseases in August 2020



Dr. P. Rohini, Convenor of Health Club has conducted National Level e-Quiz on Monsoon Diseases

D) Delivered Extension Lectures

Dr. P. Rohini, Incharge of the Department of Zoology has delivered extension lectures for Postgraduate and Undergraduate students at different colleges.



Extension Lecture on Molecular Phylogeny for P.G. Students at Government Degree and P.G. College, Jammikunta, Karimnagar



Extension Lecture on Protein Synthesis for U.G. Students at Government Degree and P.G. College, Jammikunta, Karimnagar



Dr. P. Rohini delivering Extension Lecture in Online mode at Kakatiya Government College Hanumakonda on 8-5-2020



Dr. P. Rohini delivering Extension Lecture at Pingle Government College for Women (A), Waddepally on 28-6-2022

E) Other Extension Activities in College



Acted as JIGNASA Coordinator

F) Admission Campaigning

The Department of Zoology participates in Admission Campaigning every year. The faculty visit Junior Colleges and Villages for door to door campaign.



RESEARCH ACTIVITIES

Minor Research Project

Dr. P. Rohini, Assistant Professor of Zoology has submitted a Minor Research Project entitled Assessment of Environmental Contamination and Toxicological Evaluation of Diclofenac in freshwater fish, *Channa punctatus* in January, 2020.

JIGNASA Study Projects

Students are motivated towards research and encouraged to participate in study projects every year. A group of five or six participate in study project and present at the college level. The selected projects will be called for State Level Presentation.

Research Publications

Dr. P. ROHINI

1. Effect of the drug Diclofenac on the brain tissue of *Channa punctatus*, The American Journal of Science and Medical Research, 2022, 8(4); 1-4.
2. Diclofenac induced Genotoxicity in the gill tissue of *Channa punctatus* , 2022, Biolife, 10(3); 1-6.

Presentation of Research Work in Seminars and Conferences

1. Participated and presented paper on **Histological alterations in the gill tissue of *Channa punctatus* on exposure to Diclofenac** in International Conference on Harmony with Nature in context of Biotechnological Intervention & Biodiversity organized by National Environmentalists Association, India in XV Annual Event of the Association from 1-3 December, 2020.
2. Participated and presented paper on **Histological alterations in the kidney tissue of *Channa punctatus* on exposure to Diclofenac** in International Conference on Chemistry and Allied Sciences organized by Pingle Government College for Women, Waddepally, Warangal, Telangana State from 25-27 August, 2022.

3. Participated and presented paper on **Impact of the drug Diclofenac on the muscle tissue of *Channa punctatus*** in Two day National Seminar on Recent Innovations in Health and Life Science Research organized by Department of Zoology, Kakatiya University, Warangal, Telangana State from 24-25 February, 2023.
4. Participated and presented paper on **Pharmaceuticals – Source of Water Pollution** in two day National level Interdisciplinary Seminar on Perspectives of Hydrobiology organized by Department of Zoology, S.R.R. Government Arts & Science College, Karimnagar, Telangana State from 18-19 January, 2023.
5. Participated and presented paper on **Effect of the drug Diclofenac on the brain tissue of *Channa punctatus*** in National Seminar on Science and Technology for Sustainable Development organized by Dr. B.R. Ambedkar Open University, Hyderabad, Telangana State from 2-3 September, 2022.
6. Participated and presented paper on **Bioprospecting of Animal Sources and Conservation of Biodiversity** in National Seminar on Biodiversity Conservation-Issues and Challenges organized by Pingle Government College for Women, Waddepally, Warangal, Telangana State from 21-22 May, 2022.
7. Participated and presented paper on **Need and Implementation of Continuous and Comprehensive Evaluation in Higher Education** organized by Pingle Government College for Women, Waddepally, Warangal, Telangana State from 1-3 December, 2022.

Smt. T. SARADA

1. Residues from the processing of Amaranth and Quinoa Flour cultured shrimp *Litopenaeus vannamei* : Isolation of carotenoid pigments, Parishodh Journal, , IX (II), 3744-3751.

Awards

Dr. P. Rohini, Assistant Professor of Zoology received Best Oral Presentation Award in Two day National Seminar on **Climate Change and its Impact on Animal Biodiversity** organized by Department of Zoology on 28 & 29 March 2019.

COLLABORATIONS WITH OTHER DEPARTMENTS AND INSTITUTIONS

The Department of Zoology has signed Memorandum of Understanding with four institutions in the last five years. The MoU is for Faculty exchange, Student exchange, Collaborative research and for promoting cooperation in areas of mutual interest.

S.No.	Name of the Institution	Date of MoU	Duration
1.	Pingle Government Degree College Autonomous, Warangal	2-11-2019	5 years
2.	Department of Zoology, Kakatiya University, Warangal	27-10-2021	5 years
3.	Department of Zoology (Sericulture Unit) Kakatiya University, Warangal	27-10-2021	5 years
4.	Dr. T.Venkanna, Primary Veterinary Centre	5-10-2020	3 years



MoU with Department of Zoology, Kakatiya University

BEST PRACTICES

The Department of Zoology implements some of the practices every year which can be designated as Best Practices. The practices are maintaining Health Profile of Students, Best out of Waste and Save Birds Campaign.

Health Profile of Students

Health Profile of Students is maintained along with the preliminary information, health related details are also taken and preserved for the future need. Some suggestions are given to the students like the diet to be taken to improve their health and to treat the students at the right time, in the college in an emergency situation.



Identification of Blood Group with Agglutination Test



Measuring the height of the students

GOVERNMENT DEGREE COLLEGE - THORRUR
DEPARTMENT OF ZOOLOGY



STUDENT HEALTH PROFILE

1.	Name of the student :	Perumandla Raj Kumar
2.	Father Name :	Chandramouli Mother Name: Padma
3.	Course/class :	B.Sc (DAIRY SCIENCE) - III year
4.	Date of Birth :	08-06-2002 Age :
5.	Address :	Vill: Brahmana Kothapally Mandal: Nellikudur Dist: Mahabubabad.
6.	Height :	164 cm Weight :- 65
7.	Blood group :	B+ve Haemoglobin% : 15.5 gr
8.	Vision :	Normal
9.	Hearing :	Normal
10.	Special Needs :-	Physically Challenged (Locomotor, Orthopedic) speech related disorders using 3 wheelar Bicycle
11.	Known Medical Condition :-	
12.	Medication Required :-	
13.	Suggestions given :-	Consult doctor for Speech therapy Consult Orthopedic Surgeon

P. Raj Kumar
Signature of the student
Principal
Govt. Degree College
THORRUR, Dt. Mahabubabad

AD
Signature of the teacher
Dr. P. ROHINI
M.Sc., B.Ed., Ph.D
Assistant Professor,
Department of Zoology,
Govt. Degree College, Thorur,
Dist. Mahabubabad-506 163.

Best out of Waste

Plastic waste has been reused and useful articles are made to reduce the pollution. The articles like pen stand, flower pots are made of plastic. The carton boxes are used to make nest boxes.



Preparation of nest for birds with the help of a balloon



Preparation of nest by using balloon



Preparation of nest for birds with the help of cartoon sheets



Pen stand made out of plastic mug

Save Birds Campaign

Birds are the most significant creatures in the ecosystem as they play the role as predators, pollinators, scavengers, seed dispersers and ecosystem engineers. The conservation of birds is very important as their population is declining. The Department of Zoology is arranging bird nests, bird feeders and water containers. The bird nests made up of different materials like waste boxes and balloons have been arranged in the College. The birds have built their nests in the arranged boxes and pots.



Bird nest arranged in the verandah of the college



Bird made its nest in the pot arranged in the verandah of College. Arranging nest boxes is a part of the practice of Save Birds.



Arranging water and food grains for Birds

STUDENT PROGRESSION

Student progression to higher studies in the last five years

S.No.	Academic year	Number of students enrolled in higher education	Name of the Course
1	2017-18	1	M.A. English
2	2018-19	-	-
3	2019-20	-	-
4	2020-21	1	B. P. Ed.
5	2021-22	3	M.Sc. Zoology
		1	M.Sc. Chemistry



Seema Firdos and M. Sunny of B.Sc. III year received First prize Cash Award of Rs. 5000 in District Level Quiz Competition in Red Ribbon



Seema Firdos received District level first prize in Video making contest in World Environment Day

FUTURE PLANS

- The Department of Zoology envisions to improve the enrolment of students.
- The department wishes to initiate Post Graduation Courses.
- To initiate job oriented multidisciplinary courses in B.Sc. (LS) Programme.
- The department shall conduct National Seminar/Conference/ Workshops or Symposia.
- The department shall apply for Research projects from various funding agencies.
- The department shall strive to establish a Research Centre in the College.

ANY OTHER DEPARTMENT HIGHLIGHTS

PG ENTRANCE COACHING

Free coaching will be given to the students who wish to write M.Sc. Zoology CPGCET. Some of the students have benefited and secured high ranks in the Entrance Examination. Coaching classes will be held in the last hour of the day.



Free coaching to students aspiring M.Sc. Zoology



Distribution of free Study material