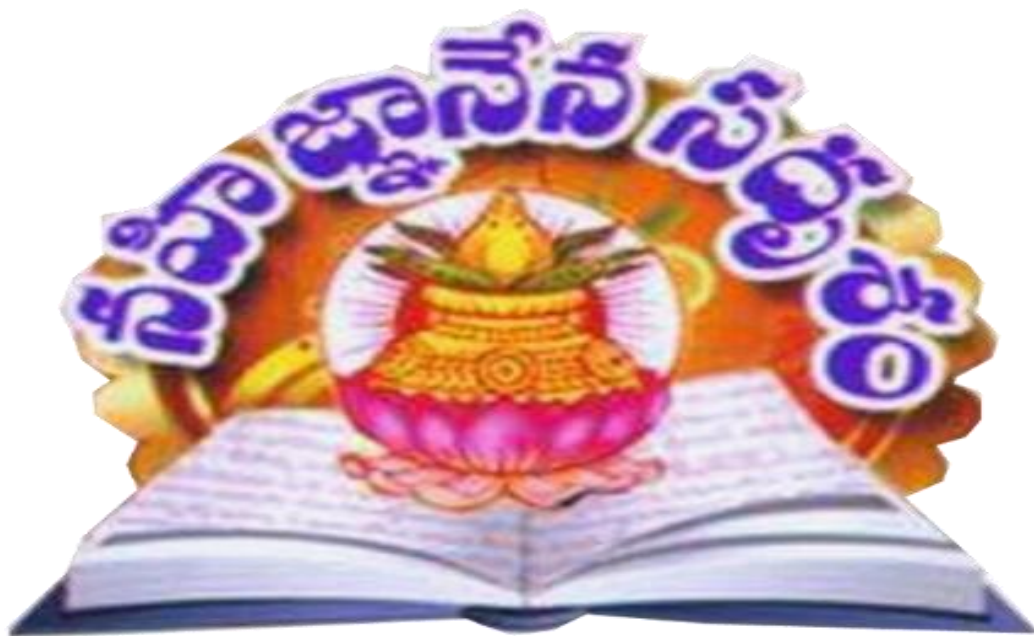


GOVERNMENT DEGREE COLLEGE
PALONCHA
BHADRADRI KOTHAGUDEM Dist.

DEPARTMENT PROFILE



INDEX

| S.NO | TOPIC NAME | PAGE NUMBERS | |
|-----------|---|--------------|-----------|
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INTRODUCTION

The Department of Zoology was started in 2009 with the B.Sc. BZC course. The Department organizes zoological excursion and study tours at different places for studying living animals, their behavior and visited different Local institutions (As per MOU). Field work experiences at field and Institutes. The faculty is always available to guide and council the students and remain friendly and accessible. Special coaching for different entrance examinations after graduation. Departmental Library is also available with reference books. The Department of Zoology has one well equipped laboratory for Students.

AIMS AND OBJECTIVES

- The Department aims to provide a broad multidisciplinary course in Zoology.
- To train students in a wide range of science-based skills that provide the learning base for future careers in disciplines such as health sciences, agriculture, environmental management, the emerging biotechnologies, publishing, teaching, research and management.
- To achieve excellence in teaching, research and extension education in the field of Zoology
- To offer a modular course of lectures and associated seminars, research projects and practical classes, supported by supervisions where appropriate.
- To promote training in practical and conceptual skills in sub-disciplines ranging from molecular cell biology, through physiology and Endocrinology, to the study of populations in both an ecological and evolutionary framework.
- To provide constructive feedback on their progress, individual students will be assessed throughout the year in their project work, participation in seminars and written work for supervisions.
- To provide professional training in effective verbal and written communication skills.
- To promote students for self employment through aquaculture, sericulture, apiculture, bio-fertilizer and Vermi-culture.
- To produce globally competitive graduates and post graduates in Zoology

VISION and MISSION

The vision of the ZOOLOGY Department

- To mould graduate into good Naturalists and environmentalists, excellent knowledge in the Morphology, Anatomy, Physiology of animals and Biotechnology .
- Improving confidence levels of the students and social behavior in society.

The MISSION of the ZOOLOGY Department

- Nourish and nurture the knowledge and skills in all aspects of Animals.
- Develop and attitude among the students towards applications for the welfare of the mankind.

Conservation of fauna and flora ,there by promoting
Eco protection

STRENGTH , WEAKNESS OPPORTUNITIES AND CONSTRAINTS

Strengths- Efficient, sincere and hardworking team of faculty members, many of whom have talents other than teaching. A well-equipped laboratory and teachers with research experience

Weakness- Despite the best efforts put in by the faculty members could produce only a few rankers PG entrance.

Opportunities_- Students are very hard working and sincere so that the Department can have better meritorious achievements. With the talents in students to develop better overall personality. With infrastructural facilities quality education can be carried out by students and teacher.

Challenges- To promote hard work and uplift the scholastic capacities of students through appropriate motivation is a major challenge. To cultivate research aptitude among them.

BIODATA OF THE STAFF



- **NAME** : N .SREEDEVI
- **DESIGNATION** : LECTURER IN ZOOLOGY.
- **EDUCATION /** : M.SC,M.Ed

QUALIFICATION

- **EXPERIENCE** : 13 YEARS

CRITERIA -I

CURRICULAR ASPECTS

COURSES OFFERED

- At the inception of the college only one group was introduced .

B.Sc –(B.Z.C) in Telugu Medium

- Later Restructured and Telugu & English medium also introduced.
- **B.SC(B.Z.C)**
- **B.SC(B.Z.CS & B.Z.CA)**

Syllabus 2016 Year Wise

| Course | Papers | Topics | Max Marks |
|--------|---------------------|--|---------------|
| B.Sc | I Year | Biology of Invertebrates and Cell Biology. | 50 + 100= 150 |
| | I Year | Biology of Chordates Embryology, Ecology and Zoogeography. | 50 + 100= 150 |
| | III year-paper -III | Animal Physiology, Genetics and Evolutions. | 50 + 100= 150 |
| | III year-paper -IV | Applied Zoology . | 50 + 100= 150 |

Syllabus 2016-19 Semester Wise

| Course | Papers | Topics | Max Marks |
|--------|-----------------|---|------------------------------|
| B.Sc | I Year I Sem | Animal Diversity- Invertebrates. | 20 + 80= 100 |
| | I Year II Sem | Ecology, Zoogeography and Animal Behavior. | 20 + 80= 100 |
| | II Year III Sem | Animal Diversity- Vertebrates and Developmental Biology. | 20 + 80= 100 |
| | II Year IV Sem | Cell and Molecular Biology, Genetics, Evolution. | 20 + 80= 100 |
| | III Year V Sem | Paper-1-Physiology and Biochemistry. Paper-2 –Applied Zoology | 20 + 80= 100 20 + 80 =100 |
| | III Year VI Sem | Paper-1-Immunology and Animal Biotechnology. Paper-2-Aquatic Biology | 20 + 80= 100 20 + 80 =100 |

Syllabus From year 2019 Semester Wise

| Course | Papers | Topics | Max Marks |
|--------|-----------------|--|------------------------------|
| B.Sc | I Year I Sem | Animal Diversity- Invertebrates. | 20 + 80= 100 |
| | I Year II Sem | Ecology,Zoogeography and Animal Behavior. | 20 + 80= 100 |
| | II Year III Sem | Animal Diversity- Vertebrates and Developmental Biology. | 20 + 80= 100 |
| | II Year IV Sem | Cell and Molecular Biology,Genetics,Evolution. | 20 + 80= 100 |
| | III Year V Sem | Paper-1-Physiology and Biochemistry. Paper-2 –Applied Zoology | 20 + 80= 100 20 + 80 =100 |
| | III Year VI Sem | Paper-1-Immunology and Animal Biotechnology. Paper-2-Aquatic Biology | 20 + 80= 100 20 +80 =100 |

PAPERS AND CREDITS

| S.NO | PAPER | TITLE OF THE PAPER | THEORY CREDITS | PRACTICAL CREDITS | TOTAL CREDITS |
|------|----------------|--|----------------|-------------------|---------------|
| 1 | I | <u>Animal Diversity – Invertebrates</u> | 4 | 1 | 5 |
| 2 | II | <u>Animal Diversity – Vertebrates</u> | 4 | 1 | 5 |
| 3 | III | <u>Animal Physiology , and Animal Behaviour</u> | 4 | 1 | 5 |
| 4 | IV | Cell Biology ,Genetics and Developmental Biology | 4 | 1 | 5 |
| 5 | DSE-1A(SE M-V) | Immunology and Animal Biotechnology. | 4 | 1 | 5 |
| 6 | DSE - IIB | Ecology,Zoogeography and Evolution. | 4 | 1 | 5 |

COURSE OUTCOMES OF B.SC. - ZOOLOGY •

PAPER -I

Animal Diversity – Invertebrates

- Describe general taxonomic rules on animal classification
- Classify Protista up to phylum using examples from parasitic adaptation
- Classify Phylum Porifera to Echinodermata with taxonomic keys
- Describe Phylum Nematoda and give examples of pathogenic Nematodes

Animal Diversity – Vertebrates

- Imparts conceptual knowledge of vertebrates, their adaptations and associations in relation to their environment
- Classify phylum Protochordates to Mammalia
- Complex Vertebrate interactions

PAPER -I I

Physiology , Biochemistry and Animal Behaviour:

- Seeks to understand the mechanisms that work to keep the **human body** alive and functioning
- Physiological and biochemical understanding through scientific enquiry into the nature of mechanical, physical, and biochemical functions of humans, their organs, and the cells of which they are composed
- Interactions and interdependence of physiological and biochemical processes

Cell Biology, Genetics

- Structural and functional aspects of basic unit of life i.e. cell concepts
- Mendelian and non mendelian inheritance
- Concept behind genetic disorder, gene mutations- various causes associated with inborn errors of metabolism
- Understand Animal behaviour and response of animals to different instincts

Molecular Genetics and Developmental Biology [MGDB]

- ❖ Knowledge about genetics, developmental biology and organogenesis
- ❖ Application of DNA technology and molecular biology

for research

- ❖ Gains knowledge about gametogenesis, cleavage mechanisms, gastrulation and role of hormones in metamorphosis and regeneration
- ❖ Provides students insight into maintaining healthy relationships with their opposite gender and allows them to make right choice about their life partner thus preventing congenital/consanguial diseases.

PAPER -III

Immunology:

CO1 Imparts in depth knowledge of tissues, cells and molecules involved in host defense mechanisms
CO2 Understanding of types of immunity

CO3 Interactions of antigens, antibodies, complements and other immune components

CO4 Understanding of immune mechanisms in disease control, vaccination, process of immune interactions

Animal biotechnology:

- ❖ Imparts the Knowledge to culture animal cells in artificial media.
- ❖ Knowledge of animal cells in culture, growth of cell lines
- ❖ Use in recombinant DNA technology, genetic manipulations and in a variety of industrial processes.

Ecology, Zoogeography and Evolution:

- Distribution of fauna in different realms interaction
- Interaction of biota abiota
- Various kinds of Animal adaptations
- ❖ Imparts knowledge regarding the various theories of evolution, evolutionary process such as variation, speciation, natural selection, origin of primates and man

- ❖ Understanding of origin and salient features of Ostracoderms to Actinopterygii, adaptive radiation of Amphibians, Reptiles, birds and Mammals
- ❖ Gains knowledge of functional anatomy of vertebrates from fishes to mammals
- ❖ Understanding of evolutionary significance of internal fertilization, neoteny and paedogenesis
- ❖ Identifies the significance of amniotic egg its structure and evolutionary significance of skeletal system

Biodiversity and Conservation

- ❖ Biodiversity and conservation explore natural landscapes, species and ecosystems and acquires theories and practical methods in preserving environments and organisms.
- ❖ Biodiversity refers not only to endangered species but also to every organism, including microbes and fungi.
- ❖ Biodiversity and Conservation increase awareness and understanding of how human life depends on preserving animal species and natural ecosystems.

Applied Zoology

- ❖ Understands concepts of fisheries, fishing tools and site selection
- ❖ Aqua culture systems, induced breeding techniques, post harvesting techniques
- ❖ Understands about composition of blood, blood born diseases, autopsy and biopsy
- ❖ Types of immunity, antigens-antibodies and their properties

Sericulture:

- ❖ Gives knowledge of silk worm rearing
- ❖ Mulberry cultivation
- ❖ Pests and diseases associated with silk worm and mulberry
- ❖ Various process involved in silk production

TIME TABLE 2020-21

| DAY PERIOD | I PERIOD 10:00 to 11:00 | II PERIOD 11:00 to 12:00 | III PERIOD 12:00 to 13:00 | 13:00 TO 13:30 | IV PERIOD 13:30 to 14:50 | V PERIOD 14:50 to 15:30 | VI PERIOD 15:30 to 16:30 |
|------------|----------------------------|-----------------------------|------------------------------|----------------|-----------------------------|----------------------------|-----------------------------|
| MONDAY | ---- | B.ZC/CA III | ---- | LUNCH | ----- | ----- | ----- |
| TUESDAY | B.ZC/CA III | ---- | B.ZC/CS I | | B.ZC/CS II | B.ZC/CA /III PRACTICAL | |
| WEDNESDAY | B.ZC/CS I | BZC/CS II | ---- | | ----- | ----- | ---- |
| THURSDAY | BZC/CS I | BZC/CS II | ---- | | ----- | ---- | ---- |
| FRIDAY | BZC/CA III | ---- | BZC/CS II | | BZC/CS I PRACTICAL | | |
| SATURDAY | BZC/CA III | BZC/CS I | BZC/CS II | | BZC/CS II PRACTICAL | | |

FACULTY WISE WORK LOAD

| S.NO | NAME OF THE FACULTY | THEORY HOURS | PRACTICAL (Hrs) | total |
|------|---------------------|-----------------|-----------------|--------|
| 1 | N.SREEDEVI | 12 Hrs per week | 9 Hrs per week | 21 Hrs |

Grand total 21 Hours per week

CRITERIA -II

TEACHING AND LEARNING AND EVALUATION

❖ The department have been regularly conducting the following activities.

❖ Field trips

❖ Student class room seminars

❖ Quiz programs.

❖ Group discussions

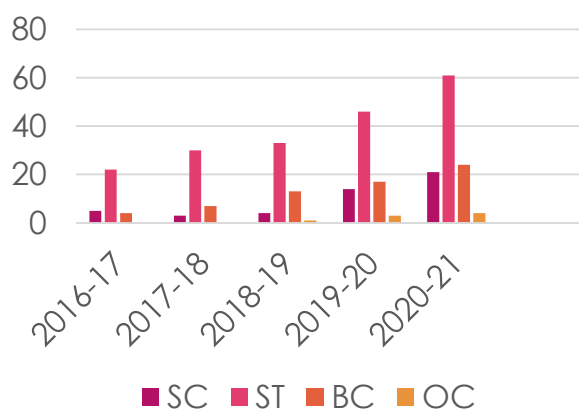
❖ Student Assignments

❖ Extension Lectures

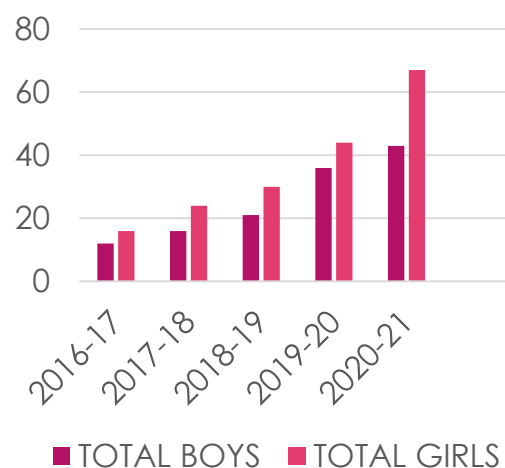
Student Enrollment & Profile

| YEAR | SC | ST | BC | OC | TOTAL BOYS | Total Girls | Grand Total |
|---------|----|----|----|----|------------|-------------|-------------|
| 2016-17 | 5 | 22 | 4 | 0 | 12 | 19 | 31 |
| 2017-18 | 3 | 30 | 7 | 0 | 16 | 24 | 40 |
| 2018-19 | 4 | 33 | 13 | 1 | 21 | 30 | 51 |
| 2019-20 | 14 | 46 | 17 | 3 | 36 | 44 | 80 |
| 2020-21 | 21 | 61 | 24 | 4 | 43 | 67 | 110 |

GRAPHICAL
REPRESENTATION
OF COMMUNITY
WISE



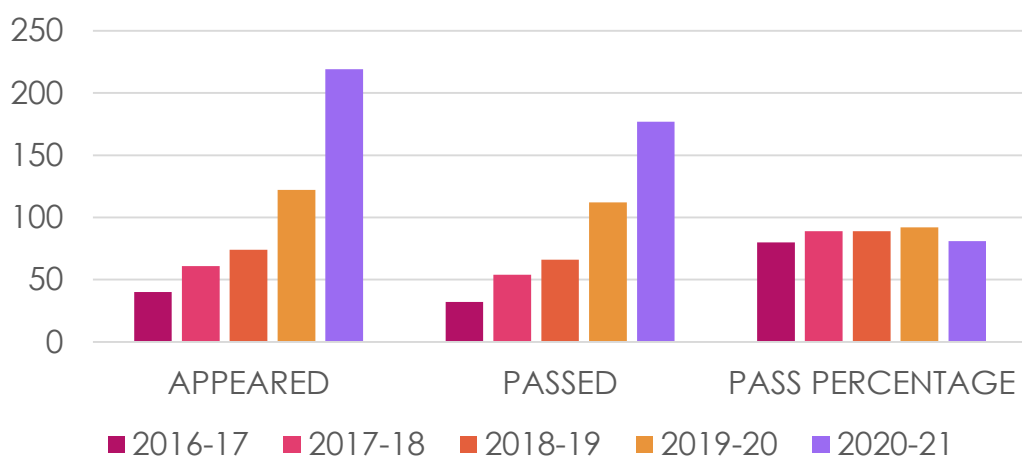
GRAPHICAL
REPRESENTATION
OF GENDER WISE



RESULT ANALYSIS –YEAR WISE

| YEAR | APPEARED | PASSED | PERCENTAGE % |
|---------|----------|--------|--------------|
| 2016-17 | 40 | 32 | 80 |
| 2017-18 | 61 | 54 | 89 |
| 2018-19 | 74 | 66 | 89 |
| 2019-20 | 122 | 112 | 92 |
| 2020-21 | 219 | 177 | 81 |

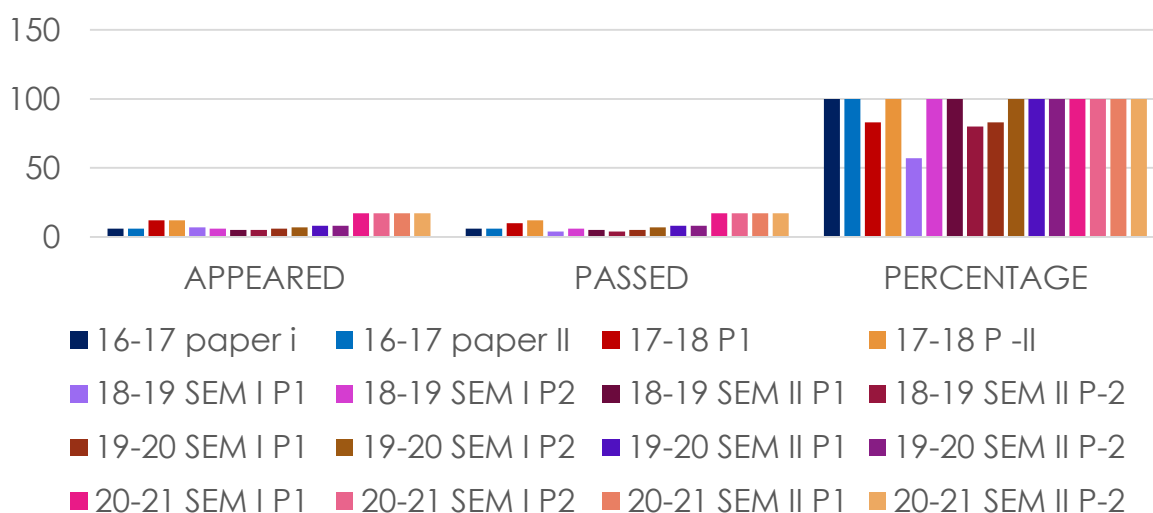
GRAPHICAL REPRESENTATION OF RESULT ANALYSIS



RESULT ANALYSIS –B.SC THIRD YEAR/SEM WISE

| B.SC I YEAR | 16-17 PAPER I | 16-17 PAPER II | 17-18 PAPER I | 17-18 PAPER II | 18-19 SEM I PAPER I | 18-19 SEM I PAPER II | 18-19 SEM II PAPER I | 18-19 SEM II PAPER II | 19-20 SEM I PAPER I | 19-20 SEM I PAPER II | 19-20 SEM II PAPER I | 19-20 SEM II PAPER II | 20-21 SEM I PAPER I | 20-21 SEM I PAPER II | 20-21 SEM II PAPER I | 20-21 SEM II PAPER II |
|-------------|---------------|----------------|---------------|----------------|---------------------|----------------------|----------------------|-----------------------|---------------------|----------------------|----------------------|-----------------------|---------------------|----------------------|----------------------|-----------------------|
| APPEARED | 6 | 6 | 12 | 12 | 7 | 6 | 5 | 5 | 6 | 7 | 8 | 8 | 17 | 17 | 17 | 17 |
| PASSED | 6 | 6 | 10 | 12 | 4 | 6 | 5 | 4 | 5 | 7 | 8 | 8 | 17 | 17 | 17 | 17 |
| PERCENTAGE | 100 | 100 | 83 | 100 | 57 | 100 | 100 | 80 | 83 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

GRAPHICAL REPRESENTATION OF RESULT ANALYSIS



PIONEERS OF THE DEPARTMENT

- Name of the Lecturer : Smt. S.Sujatha,M.Sc.

Year of joining in Department : 2009

Year of relieving From college : 2010.

- Name of the Lecturer : Mr. P. Raju, M.Sc.

Year of joining in Department : 2013

Year of relieving From college : 2013

The Staff member presently working in the department.

- Name of the Lecturer :Smt. N.Sreedevi.M.Sc,M.Ed,
- Year of joining in Department : 2013

Number of Teaching Posts Sanctioned

- One Sanctioned Teaching Post

| Name | Qualification | Designation | Specialization | Exp.in Years |
|--------------------|---------------|-------------|----------------|--------------|
| Smt. N.SREEDEVI | M.Sc,M.Ed | Lecturer | ---- | 13 |

STUDENT SEMINAR

| S.NO | YEAR | NAME OF THE TOPIC | NAME OF THE STUDENT |
|-------------|-------------|-----------------------------|----------------------------|
| 1 | 2016-17 | Antibody Structure | G.MuthyalaRao |
| 2 | 2016-17 | Genecloning | T.Rama |
| 3 | 2016-17 | Chloride shift | D.Veera Durga |
| 4 | 2017-18 | Life cycle of Polystomella | G.Bhavani |
| 5 | 2017-18 | Digestive system of Leech | G.Pavani |
| 6 | 2017-18 | Human Digestive system | S.Anitha |
| 7 | 2018-19 | Human Heart Structure | G.Deepthi |
| 8 | 2019-20 | Respiratory system of Birds | E.Lucky Ganesh |
| 9 | 2019-20 | Retrogressive Metamorphosis | B.baji Krishna |
| 10 | 2019-20 | Pearl Formation | K.Neveditha |
| 11 | 2020-21 | Classification of Protozoa | E.Akanksha |
| 12 | 2020-21 | Canal system of Sponges | M.Vijay |
| 13 | 2020-21 | Human Digestive system | R.Bhargavi |

STUDENT SEMINAR

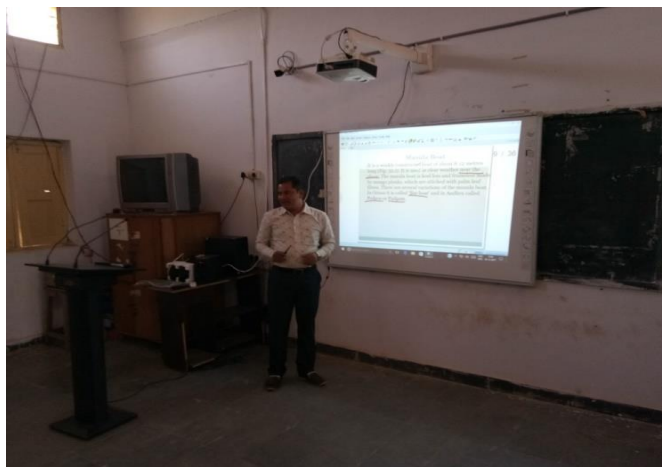


QUIZ and GROUP DISCUSSION PROGRAMS



Academic Innovative Activity- Extension Lecture

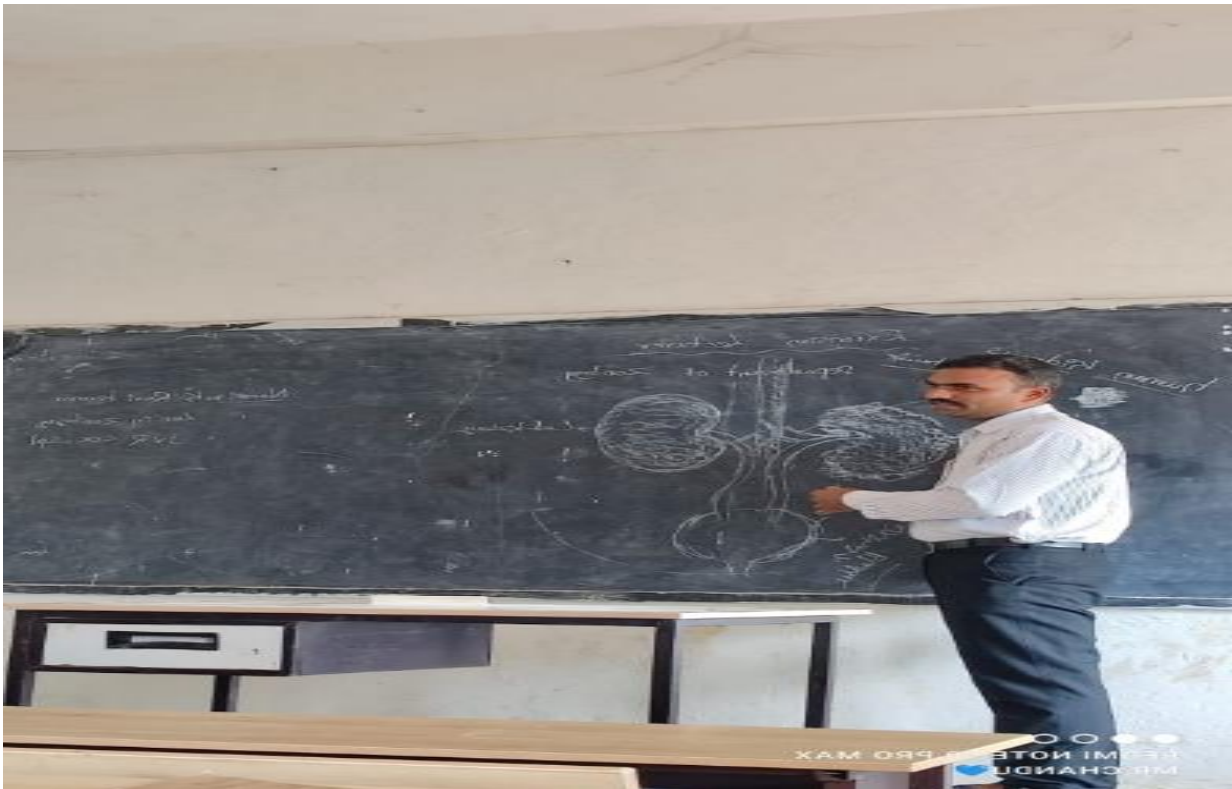
| S.NO | YEAR | DATE | NAME | DESIGNATION/NAME OF COLLEGE | TOPIC NAME |
|------|---------|------------|--------------------|--|--------------------------------|
| 1 | 2016-17 | 23/01/2017 | S.SOWBHAGYA LAKSMI | Asst.Professor ,SRAS Govt degree college, Kothagudem | HEMATOLOGY |
| 2 | 2017-18 | 05/03/2018 | K.RAVI KUMAR | Lecturer.JVR Govt Degree college ,Sathupally | PHYSIOLOGY |
| 3 | 2018-19 | 17/02/2019 | Dr . V.ANIL KUMAR | Asst.Professor, Kakatiya Govt degree college, Warangal | IMMUNOLOGY |
| 4 | 2019-20 | 05/03/2020 | Dr.P.RAJU | Lecturer,Mahadevpur,Warangal | PHYSIOLOGY OF DIGESTION SYSTEM |



Extension lecture on IMMUNOLOGY



Extension lecture on HEMATOLOGY



Extension lecture on PHYSIOLOGY of Excretory



PHYSIOLOGY OF DIGESTION SYSTEM

FIELD TRIPS

| S.No. | Year | Name of Teacher involved / organizer | No. of / Students | Partnering institutions/ industry/research Lab with Contact details | Nature of Linkage |
|-------|-----------------------|--------------------------------------|-------------------|---|-------------------|
| 1 | 2016-17 30/04/2016 | N.SREEDEVI | 10 | FISH POND at Jaganadhapuram | FIELD TRIPS |
| 2 | 2017-18 20/04/2018 | N.SREEDEVI | 25 | Vijaya Durga Poultry Farm,Palvoncha | FIELD TRIPS |
| 3 | 2018-19 19/11/2018 | N.SREEDEVI | 25 | Fish Culturing Center Rajam peta,Yanam bile | FIELD TRIPS |
| 4 | 2019-20 17/12/2019 | N.SREEDEVI | 15 | Fish seeds Culturing Center,Kinnerasani,palvoncha | FIELD TRIPS |
| 5 | 2020-21 20/12/2020 | N.SREEDEVI | 25 | Vijaya Dairy plant,Kothagudem,Govt of Telangana. | FIELD TRIPS |



Field visit to Fish Pond at JAGANADHAPURAM, Paloncha



**Field Visit to VIJAYADURGA POULTRY FARM NAGARAM
palvoncha**



Field visit to Fish Culturing at Rajempeta ,Yanambyle ,Paloncha



Field visit to Fish seeds Culturing at Kinnerasani project ,Paloncha..



Field visit to VIJAYA DAIRY BRANCH LAKSMHI DEVI PALLI., KOTHAGUEDEM

STUDENT STUDY PROJECTS

| S.No. | Year | Name of Teacher involved / organizer | No. of / Students | Partnering institutions/ industry/research Lab with Contact details | Nature of Linkage |
|--------------|-------------|---|--------------------------|--|--------------------------|
| 1 | 2016-17 | N.SREEDEVI | 4 | Visiting fish market, Paloncha | STUDY PROJECTS |
| 2 | 2017-18 | N.SREEDEVI | 4 | PARASITES AND DISEASES | STUDY PROJECTS |
| 3 | 2018-19 | N.SREEDEVI | 4 | Antigen and Antibody reaction | STUDY PROJECTS |
| 4 | 2019-20 | N.SREEDEVI | 4 | POULTRY FARMING | STUDY PROJECTS |
| 5 | 2020-21 | N.SREEDEVI | 4 | VERMI COMOPOST | STUDY PROJECTS |



Visiting fish market, Paloncha



VERMI COMOPOST



**Antigen and Antibody
reaction**



POULTRY FARMING

CRITERIA III

**RESEARCH AND INNOVATION AND
EXTENSION ACTIVITIES.**

Extension activity organized or participated

| S.No . | Date | Name of Activity | Organized / Collaborating by | Name of teachers participated | No. of Students Participated |
|--------|------------|--------------------------|------------------------------|-------------------------------|------------------------------|
| 1 | 23/02/2017 | BLOOD GROUPING | BHAGYA CELL | S TRIVENI | 60 |
| 2 | 30/12/2019 | Nutritional Food Exhibit | NSS | P.VIJAYAKUMAR | 63 |
| 3 | 2017 | SEASONAL DISEASES | BHAGYA CELL | | 59 |
| 4 | 2019 | AWARENESS ON COVID 19 | AWARENESS PROGRAM | N.SREEDEVI | 65 |



BLOOD GROUPING



Nutritional Food Exhibit

CRITERIA -IV

INFRASTRUCTURE AND LEARNING RESOURCES

INFRASTRUCTURE AND LEARNING RESOURCES

LABORATORY &EQUIPMENT.

Department of ZOOLOGY has one Laboratory and it has equipment's to conduct practical's for the students.

LIST OF EQUIPMENTS

| S.NO | NAME OF EQUIPMENT |
|------|-----------------------|
| 1 | Computer |
| 2 | Compound Microscope |
| 3 | Dissection Microscope |
| 4 | Weighing Machine |
| 5 | Water Bath |
| 6 | PH Meter |
| 7 | Glass Throughs |
| 8 | Dissection Trays |
| 9 | Haemo meters |
| 10 | Hemato Cyto meter |
| 11 | Burret stands |
| 12 | Test tube holders |
| 13 | Dissection Boxes |

GLASSWARE

| S.NO | NAME OF GLASSWARE |
|------|----------------------|
| 1 | Specimens and slides |
| 2 | Measuring cylinders |
| 3 | Beakers |
| 4 | Conical Falsks |
| 5 | Pippettes |
| 6 | Burets |
| 7 | Test Tubes |

FURNITURE

| S.NO | NAME OF THE ITEM |
|------|------------------|
| 1 | Work benches |
| 2 | Iron stools |

| | |
|---|----------------|
| 3 | Almira's |
| 4 | Chart Cabinet |
| 5 | Lecture Tables |

BIOVISUAL CHARTS

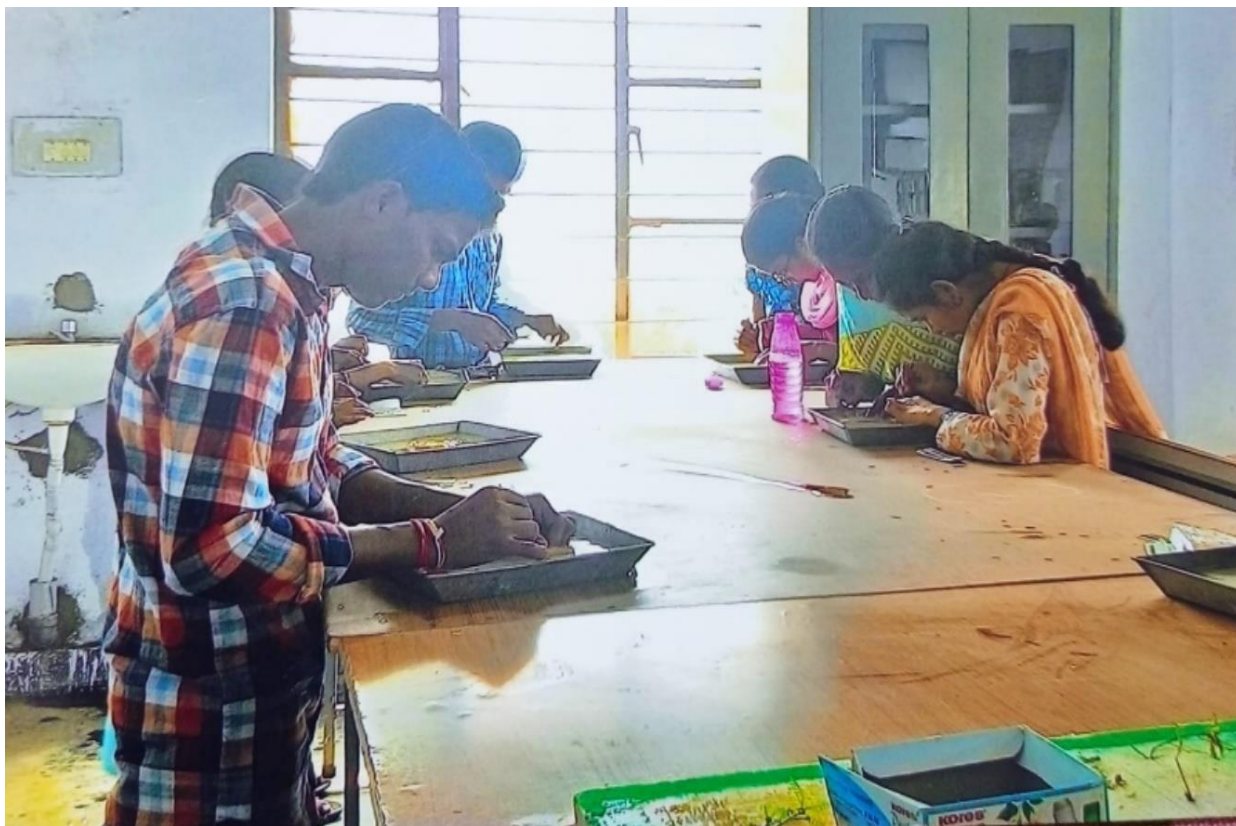
| S.NO | SEM/PAPER | NO OF BIOVISUAL CHARTS |
|------|-----------|------------------------|
| 1 | I | 8 |
| 2 | II | 9 |
| 3 | III | 8 |
| 4 | IV | 5 |

DEPARTMENTAL LIBRARY

Department of Zoology has a Library with 10 reference books ,04 Nos practical Manuals and 02 Nos PG entrance books .

| S.no | BOOKS | No |
|------|-------------------|----|
| 1 | Reference Books | 10 |
| 2 | Practical Manuals | 04 |
| 3 | PG entrance Books | 02 |







CRITERIA -V

**STUDENT SUPPORTIVE AND
PROGRESSION.**

Student placed in any position

| S.No. | Year | Name of the Student | Job Designation | Name Employer or personal firm with contact | Package Received | Class Passedby | Passing Year | Remark ref no., copy attached |
|-------|------|---------------------|-----------------|---|------------------|----------------|--------------|-------------------------------|
| 1 | 2017 | R.SEUJAN | Field officer | AXIS BANK | 2.4 LACK | FIRST | 2017 | E.id:AS478147 |

STUDENT PROGRESSION

| S.No | Name of student | Graduate from | PG/B.Ed | year | Institute name |
|------|-----------------|---------------|---------|------|----------------|
|------|-----------------|---------------|---------|------|----------------|

| | | | | | |
|---|-------------------|---------|---------------|-------------|--|
| 1 | A.Anusha | B.sc(B) | PG ZOOLOGY | 2020- 21 | GITHAM college sathupalli |
| 2 | G.Bavani | B.sc(B) | B,Ed | 2018- 19 | Mother therissa B.Ed college |
| 3 | K.sai kumari | B.sc(B) | B,Ed | 2017- 18 | ITDA ,Bhadrachalam, B.Ed college |
| 4 | G.Muthyala Rao | B.sc(B) | B,Ed | 2017- 18 | Mother therissa B.Ed college |

CRITERIA -VI

GOVERNANANCE LEADERSHIP AND MANAGEMENT

DEPARTMENTAL MEATINGS

At the departmental level ,Department faculty members meet at necessary days to dicuss academic matters like Distribution of syllabus among the faculty review of coverage of syllabus and result analysys and course out comes ,important date to celebrate ,etc.,

| S.NO | ACADAMIC YEAR | NAME OF THE DEPARTMENT INCHARGE | DESIGNATION |
|------|---------------|---------------------------------|-------------|
| 1 | 2016-17 | N.SREEDEVI | LECTURER |
| 2 | 2017-18 | N.SREEDEVI | LECTURER |
| 3 | 2018-19 | N.SREEDEVI | LECTURER |
| 4 | 2019-20 | N.SREEDEVI | LECTURER |
| 5 | 2020-21 | N.SREEDEVI | LECTURER |

COORDINATOR/MEMBER OF VARIOUS COMMITEES

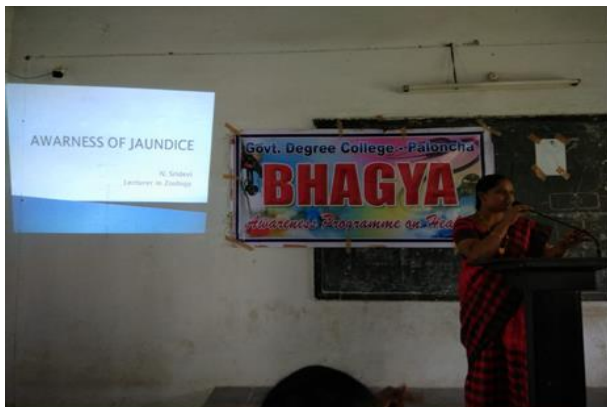
| S.NO | ACADAMIC YEAR | NAME OF FACULTY | COORDINATOR | COMMITTES MEMBER |
|------|---------------|-----------------|-------------|---|
| 1 | 2016-17 | N.SREEDEVI | ----- | Physical Education, Cultural Activities and Ecoclub,Haritha Haram |

| | | | | |
|---|---------|------------|--------------------------------|--|
| 2 | 2017-18 | N.SREEDEVI | --- | Physical Education, Cultural Activities and Ecoclub, Haritha Haram |
| 3 | 2018-19 | N.SREEDEVI | Women Empowerment, Health club | Anti Ragging ,Eco club |
| 4 | 2019-20 | N.SREEDEVI | Women Empowerment ,Health club | Anti Ragging ,Eco club |
| 5 | 2020-21 | N.SREEDEVI | Health Cllub | Anti Ragging ,Eco club |



Rakhi Making and Women's day celebrations in Women Empowerment Cell





Health club



Haritha Haram

STUDENT SUPPORT AND PROGRESSION

Record of Student Representative / Monitoring Class

| S.No. | Year | Class and Section | Name of CLASS rep. with Adm No. | Duration |
|-------|---------|---------------------|---------------------------------|----------|
| 1 | 2016-17 | B.SC ,B.Z.C I year | G.BHAVANI,081-1730004 | ONE YEAR |
| 2 | 2016-17 | B.SC,B.Z.C,II YEAR | G.MUTYAL RAO,081-163004 | ONE YEAR |
| 3 | 2017-18 | B.SC,B.Z.C,IYEAR | B.BINDUPALLAVI,081-183001 | ONE YEAR |
| 4 | 2017-18 | B.SC ,B.Z.C II year | G.BHAVANI,081-1730004 | ONE YEAR |
| 5 | 2017-18 | B.SC,B.Z.C,III YEAR | G.MUTYAL RAO,081-163004 | ONE YEAR |
| 6 | 2018-19 | B.SC,B.Z.C,I YEAR | R.GEETHANJALI,080-193205 | ONE YEAR |

Record of Student Representative / Monitoring Class

| S.No. | Year | Class and Section | Name of CLASS rep. with Adm No. | Duration |
|-------|---------|----------------------|------------------------------------|----------|
| 7 | 2018-19 | B.SC,B.Z.C,II YEAR | B.BINDUPALLAVI,081-183001 | ONE YEAR |
| 8 | 2018-19 | B.SC ,B.Z.C III year | G.BHAVANI,081-1730004 | ONE YEAR |
| 9 | 2019-20 | B.SC,B.Z.C,IYEAR | B.SURYANARYANA,081-203202 | ONE YEAR |
| 10 | 2019-20 | B.SC ,B.Z.C II year | R.GEETHANJALI,080-193205 | ONE YEAR |
| 11 | 2019-20 | B.SC,B.Z.C,II YEAR | B.BINDUPALLAVI,081-183001 | ONE YEAR |
| 12 | 2020-21 | B.SC,B.Z.C,I YEAR | MD ROSHAN,081-213024 | ONE YEAR |
| 13 | 2020-21 | B.SC,B.Z.C,II YEAR | B.SURYANARYANA,081-203202 | ONE YEAR |
| 14 | 2020-21 | B.SC,B.Z.C,III YEAR | R.GEETHANJALI,080-193205 | ONE YEAR |

Record of Student Girls Representative / Monitoring Class

| S.No. | Year | Class and Section | Name Girls rep. with Adm No. | Duration | Remark Ref. No., |
|-------|---------|---------------------|------------------------------|----------|-------------------------|
| 1 | 2016-17 | B.SC,B.Z.C,III YEAR | T.SAMMAKKA,081-150003 | ONE YEAR | |
| 2 | 2019-20 | B.SC,B.Z.C,I YEAR | G.PAVANI,081-203503 | TWO YEAR | |
| 3 | 2019-20 | B.SC,B.Z.C,I IYEAR | B.MOUNIKA | ONE YERA | CULTURAL REPRESENTATIVE |

Allotment of Teacher to Students as Mentor

| S.No. | YEAR | Class and Section | Name Teacher | No. of Students | Ref.No. List attach |
|-------|---------|-------------------|--------------|-----------------|---------------------|
| 1 | 2016-17 | II YEAR B.Z.C | N.SREEDEVI | 15 | YES |
| 2 | 2017-18 | II YEAR B.Z.C | N.SREEDEVI | 9 | YES |
| 3 | 2018-19 | I YEAR B.Z.C | N.SREEDEVI | 23 | YES |
| 4 | 2019-20 | I YEAR B.Z.C | N.SREEDEVI | 42 | YES |
| 5 | 2020-21 | I YEAR B.Z.C | N.SREEDEVI | 63 | YES |

CRITERIA- VII

INSTITUTIONAL VALUES AND BEST PRACTICES

INSTITUTIONAL VALUES AND BEST PRACTICES

- Preservation of animals those are Dead in collage surroundings and explain the methods of preservation to maintain the original state.
- Empowering students with employable skills while covering syllabus.



Using ICT Tool for Effective Teaching in Classroom 2016-17

| S.No. | Date | Class and Paper Code | Title of Lecture | Number of Students Present | ICT tool used | Name of the Teacher | Resource or technique used | Web Link |
|-------|------|----------------------|-----------------------------|----------------------------|---------------|---------------------|----------------------------|----------|
| 1 | | I year | Mitochondria | | PPT | N.SRREDEVI | | |
| 2 | | III YEAR | Internal structure of heart | | PPT | N.SREEDEVI | | |
| 3 | | II YEAR | Foetal Membranes | | ppt | N.SREEDEVI | | |

Using ICT Tool for Effective Teaching in Classroom 2017-18

| S.No. | Date | Class and Paper Code | Title of Lecture | Number of Students Present | ICT tool used | Name of the Teacher | Resource or technique used | Web Link |
|-------|------------|----------------------|-------------------------|----------------------------|---------------|---------------------|----------------------------|----------|
| 1 | 16-6-2017 | III year | Blood Grouping | 10 | PPT | N.SREEDEVI | | |
| 2 | 03-7-2017 | II year | Fish Respiration system | 5 | PPT | N.SREEDEVI | | |
| 3 | 24-7-2017 | I year | Canal system | 10 | PPT | N.SREEDEVI | | |
| 4 | 31-7-2017 | III year | Heart structer | 8 | PPT | N.SREEDEVI | | |
| 5 | 12-10-2017 | II year | Fueta membrane | 5 | PPT | N.SREEDEVI | | |
| 6 | 16-10-2017 | I year | Paum Respiratory system | 8 | PPT | N.SREEDEVI | | |
| 7 | 12-12-2017 | III year | Fish crafts | 9 | PPT | N.SREEDEVI | | |
| 8 | 04-1-2018 | II year | Placenta | 5 | PPT | N.SREEDEVI | | |
| 9 | 31-01-2018 | I year | Water vascular syatem | 10 | PPT | N.SREEDEVI | | |

Using ICT Tool for Effective Teaching in Classroom 2018-19

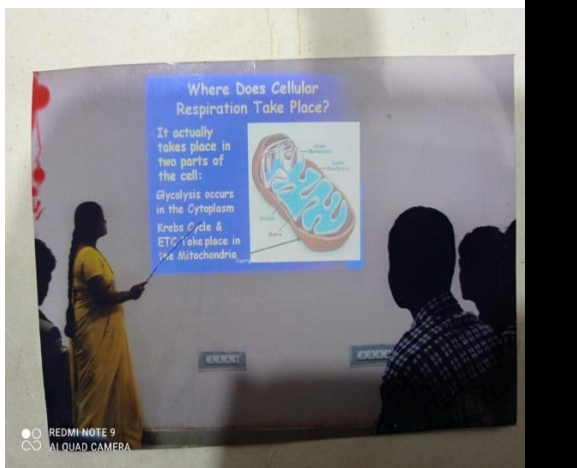
| S.No. | Date | Class and Paper Code | Title of Lecture | Number of Students Present | ICT tool used | Name of the Teacher | Resource or technique used | Web Link |
|-------|------------|----------------------|------------------------|----------------------------|---------------|---------------------|----------------------------|----------|
| 1 | 02-07-2018 | III year | Lung structure | 5 | PPT | N.SREEDEVI | | |
| 2 | 03-7-2018 | II year | Fish heart | 7 | PPT | N.SREEDEVI | | |
| 3 | 10-7-2018 | I year | Elipidium Lifecycle | 15 | PPT | N.SREEDEVI | | |
| 4 | 17-7-2018 | III year | Heart structure | 5 | PPT | N.SREEDEVI | | |
| 5 | 09-7-2018 | II year | Powental care Amphibia | 7 | PPT | N.SREEDEVI | | |
| 6 | 7-9-2018 | I year | Leech digestive system | 10 | PPT | N.SREEDEVI | | |
| 7 | 05-07-2018 | III year | Induced breeding | 5 | PPT | N.SREEDEVI | | |
| 8 | 25-10-2018 | II year | Placenta | 7 | PPT | N.SREEDEVI | | |
| 9 | 02-11-2018 | I year | Hemi Chordata | 10 | PPT | N.SREEDEVI | | |

Using ICT Tool for Effective Teaching in Classroom 2019-20

| S.No. | Date | Class and Paper Code | Title of Lecture | Number of Students Present | ICT tool used | Name of the Teacher | Resource or technique used | Web Link |
|-------|------------|----------------------|------------------------|----------------------------|---------------|---------------------|----------------------------|----------|
| 1 | 16-07-2019 | III year | Cholrideshift | 7 | PPT | N.SREEDEVI | | |
| 2 | 30-08-2019 | II year | Lake Ecosystem | 10 | PPT | N.SREEDEVI | | |
| 3 | 07-08-2019 | I year | Parymorphisam | 20 | PPT | N.SREEDEVI | | |
| 4 | 16-09-2019 | III year | Endocrine system | 8 | PPT | N.SREEDEVI | | |
| 5 | 14/03/2020 | II year | Zoo zeography | 10 | PPT | N.SREEDEVI | | |
| 6 | 16/09/2019 | I year | Leech digestive system | 25 | PPT | N.SREEDEVI | | |
| 7 | 26/12/2019 | III year | Immunology | 8 | PPT | N.SREEDEVI | | |
| 8 | 15/02/2020 | II year | Placenta | 9 | PPT | N.SREEDEVI | | |
| 9 | 06/11/2019 | I year | Water Vascular system | 20 | PPT | N.SREEDEVI | | |

Using ICT Tool for Effective Teaching in Classroom 2020-21

| S.No. | Date | Class and Paper Code | Title of Lecture | ICT tool used | Name of the Teacher | Web Link |
|-------|------------|----------------------|---|---------------|---------------------|---|
| 1 | 05-05-2021 | II | HEMICHORDATA | Youtube | N.SREEDEVI | https://youtu.be/0hbPueGOG1s |
| | | II | PROTOCHORDATA | Youtube | N.SREEDEVI | https://youtu.be/xi_JQ-Bm6YM |
| 2 | 05-06-2021 | II | CEPHALOCHORDATA | Youtube | N.SREEDEVI | https://youtu.be/jgf0jZrzy5o |
| 3 | 05-07-2021 | II | RETROGRASSIVE METAMORPHOSIS | Youtube | N.SREEDEVI | https://youtu.be/-AHO4xO-SqY |
| 4 | 05-10-2021 | II | PISCES GENERAL CHARACTERISTICS AND CLASSIFICATION | Youtube | N.SREEDEVI | https://youtu.be/udxiuJqU56s |
| 5 | 05-11-2021 | VI(A) | ORGANS OF IMMUNE SYSTEM | Youtube | N.SREEDEVI | https://youtu.be/APnM8VRwWHY |
| 6 | 05-12-2021 | II | CYCLO STOMATA | Youtube | N.SREEDEVI | https://youtu.be/kor1pBJ806U |
| 7 | 13/5/2021 | II | CIRCULATORY SYSTEM IN SCOLIODIN | Youtube | N.SREEDEVI | https://youtu.be/CgpRAVnL3IU |
| 8 | 17/5/2021 | IV | CELL BIOLOGY | Youtube | N.SREEDEVI | https://youtu.be/nIrefsPJrb4 |
| 9 | 18/5/2021 | IV | CELL ORGANELLS PART I | Youtube | N.SREEDEVI | https://youtu.be/9rUdCwG8iPY |



MITOCHONDRIA STRUCTURE

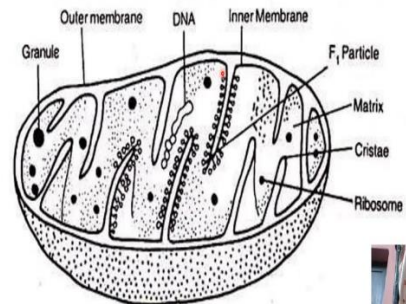
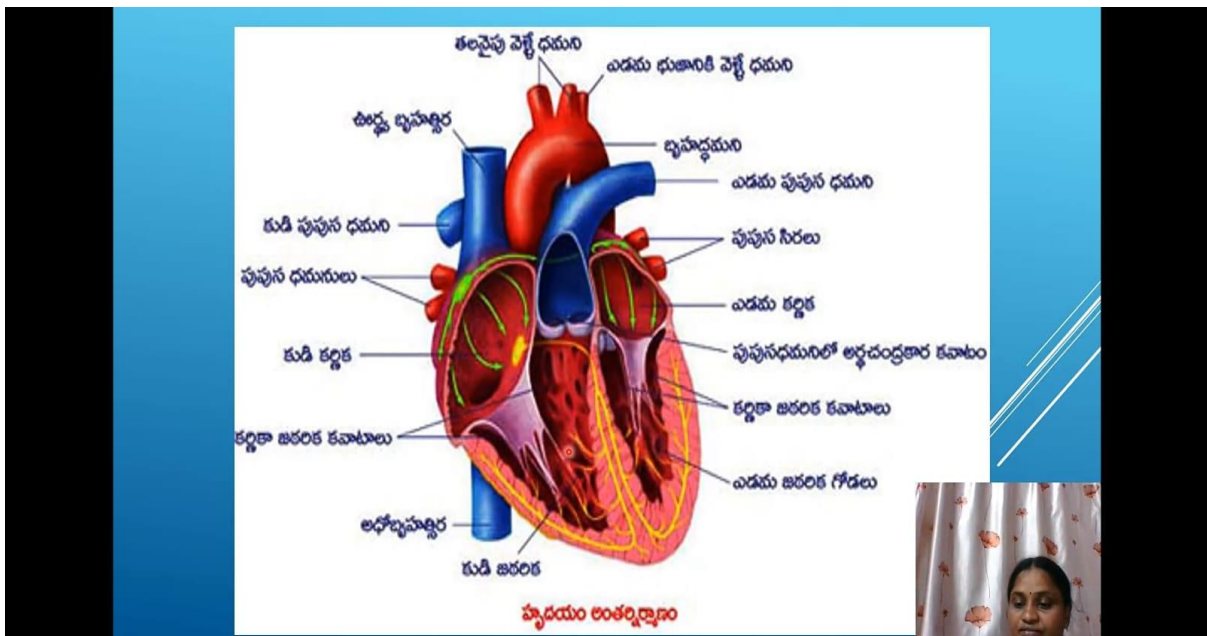


Fig. 1.19 (a) Mitochondrion cut open to show the inner structure

PPT METHODS



YOUTUBE METHOD

SIGNIFICANT ACHIEVEMENTS

- MEMORANDUM OF UNDERSTANDING

| S.NO | DATE OF MOU | NAME | Remarks |
|------|-------------|---|---------|
| 1 | 06/08/2018 | Department of Zoology, Government Degree college, BHADRACHALAM | |
| 2 | 08/07/2019 | Department of Zoology, Government Degree college, MANUGURU | |
| 3 | 22/02/2021 | Department of Zoology, SR Government Arts & Science college, KOTHAGUDEM | |
| 4 | 07/08/2018 | Department of Zoology, Government Degree college, YELLANDU | |

Teachers Attended Professional Development Program






(OP/RC/STC/FDP/Training Program etc.,)

| S.N o. | Name of the Teacher | Designation | Program Title | Program Category | Organized and sponsored by | Duration |
|---------------|----------------------------|--------------------|--|-------------------------|-----------------------------------|-----------------|
| 1 | N SREED EVI | LECTURER | SUSTAINABILITY OF INSTITUTIONS OF HIGHER LEARNING IN THE CONTEXT OF COVID - 19 CHALLENGES AND PERSPECTIVES | FDP | GOVERNMENT COLLEGE ,NARSAM PETE | 1 WEEK |

CAMPAIGN



Future Plans.

-  To strengthen the department it is proposed to apply for sanction of well equipped laboratory, well established Departmental Library and supervisory ship.
-  To develop interdisciplinary add on courses.
-  To intensify Extracurricular activity in the department.
-  Participation in Institutional Social Responsibility and Extension activities.
-  For quick and accurate internal evaluation of the student performance.

THANK YOU

