

DEPARTMENT OF ZOOLOGY SYNOPSIS OF DEPARTMENTAL ACTIVITIES FOR THE YEAR 2011-12

I) NEWS ROUND UP PROGRAMME

The members of the education club were divided into seven groups to collect the material related to zoology from different news papers and journals and to display in the department notice board daily. This programmed improves the reading habit in a systematic way and also to collect and to interpret the current knowledge with the previous knowledge.



II) FIELD TRIP TO FISH POND

Field trip arranged to visit fish breeding centre at **Pedaravuru and kuchipudi**. 36 students of III B.Sc CBZ and two staff members of zoology department Mrs. M. Adilakshmi and Mrs. M. Aruna visited fish breeding centre on 28th July 2011 from 12.00 to 4.30 pm. **They observed the process of induced breeding in major carps, cement hatcheries, breeder tank, nursery ponds and seed transportation.** The field trip helped the students to have practical experience and to realize the importance of self employment.



III) CELEBRATION OF NON-TEACHING STAFF DAY

Dept of zoology was allotted to celebrated the non-teaching day on 6th September 2011 in the

old Auditorium at 3.00p.m.. On this occasion dept of Zoology conducted House game for all non-teaching staff on 2nd September 2011 at 4.00p.m. On that day dept of Zoology conducted LUCKY TIP game. Prizes were distributed to prize winners by Rev. Sr. Mary Thomas, Correspondent.



IV) EDUCATIONAL TOUR

Department of zoology organized an Educational tour for III B.Sc CBZ students on 10th September 2011. Under the guidance of Mrs. M. Adilakshmi and Mrs. M. Aruna .36 students have attended. They visited Fish breeding centra at Ponnur, Shrimp Hatchery at Bapatla and Suryalanka Beach. Tour enhances intellectual, scientific, psychological development of the students with practical experience.



V) SALES MELA

All the Heads of the departments including Principal and Correspondent had decided to conduct Sales Mela for Inter and Degree students on 25th November 2011. In this connection department of zoology and Botany have decided to arrange vegetable biryani and chicken curry for the students and also to the teaching and Non-teaching staff. On that day we gained the profit was Rs3000 which was handed over to the principal.



“CONSERVATION OF BIODIVERSITY-THE ROLE OF YOUTH for all Degree students on 29th November 2011 at 3:30 p.m. in the seminar hall. Duration is 5 minutes. 12 students participated. Ms. T. Jyothi and Ms. K. Nirguna acted as judges. Prizes were distributed to the prize winners.

VI) STAFF AS PARTICIPANTS

Mrs. K. Sailaja Dept of zoology has attended the International conference on “Climate Change, Forest Resource and Environment” organized by the department of Environmental Science, University of Kerala, Thiruvananthapuram, from 9th to 11th December 2011.

Mrs. M. Adilakshmi and Mrs. Ch. Sarojini dept of zoology have attended two day National workshop on “Soft Materials” held at JMJ College For Women, Tenali from 23rd to 24th January 2012, organized by dept of Physics.

Mrs. Ch. Sarojini Lect in Zoology, had attended two day National Seminar on “Obesity – A global epidemic – strategies for prevention and management” held at JMJ college for women, Tenali from 7th to 8th February organized by dept of Home Science

VII) SCHOOL EDUCATION PROGRAMME

Under the guidance of Mrs. M. Adilakshmi and Mrs. M. Aruna IIIrd B.Sc CBZ Students organized a workshop from 8th to 9th November 2011 on Human digestive system and reproductive system for 9th and 10th class students of KSM High School Chenchupet and ZP High School, Angalakuduru from 1.30 pm to 4.30 pm.



VIII) INTRA COLLEGIATE ELOCUTION COMPETITION

Department of Zoology was organized an Intra Collegiate elocution competition on



IX) FACULTY FORUM LECTURE

Ms. M. Adilakshmi, Lecturer in Zoology gave a Faculty Forum Lecture on CHROMOSOMAL ABERRATIONS IN MAN on 24th November 2011 at 3.30 pm in the staff seminar room.



X) EXTENSION ACTIVITY

Dept of Zoology & Dept of Physics and III B.Sc CBZ students interacted with residents of Chavavaripalem on 10th December 2011 at 4.00pm in Mandal parishat school. We enquired about their needs and explained briefly about history of college, the vision, objectives, different activities, various courses of the college. We have also given the details about fee and its reimbursement by the govt and certificate courses like tailoring, embroidering, computer classes, beautician



course etc.

XI) GUEST LECTURE

Dr.P.Sudhakar, Asst.Professor, Department of Biotechnology ANU was delivered a guest lecture on Gene therapy and DNA finger printing for III B.Sc CBZ Students on 10th February 2012 at 10.00 am in the old Auditorium.



XII) DISSECTION COMPETITION

Dept of Zoology conducted a DISSECTION COMPETITION on “PRAWN –NERVOUS SYSTEM” for B.Sc CBZ students on 10th February 2012 at 3.00pm in the zoology lab III.



XIII) GUEST LECTURE

Mr.K.Satya Prasad Lecture in Biotechnology, Gupta college, Tenali was delivered a guest lecture on “**Application of stem cell Technology in cell based Therapy i.e. Diabetes and parkinson’s disease**” for III B .Sc C.B.Z students on 11th February 2012 at 10 a.m. in the seminar hall.



DEPARTMENT OF ZOOLOGY SYNOPSIS OF DEPARTMENTAL ACTIVITIES FOR THE YEAR 2012-13

I) NEWS ROUND UP PROGRAMME

The members of the education club were divided into seven groups to collect the material related to zoology from different news papers and journals and to display in the department notice board daily. This programmed improves the reading habit in a systematic way and also to collect and to interpret the current knowledge with the previous knowledge.

II) FIELD TRIP TO FISH POND

Field trip arranged to visit fish breeding centre at Pedaravuru and kuchipudi. 22 students of III B.Sc CBZ and two staff members of zoology department Mrs. M. Adilakshmi and Mrs. M. Aruna visited fish breeding centre on 1st August 2012 from 12.00 to 4.30 pm. They observed the process of induced breeding in major carps, cement hatcheries, breeder tank, nursery ponds and seed transportation. The field trip helped the students to have practical experience and to realize the importance of self employment.



III) EDUCATIONAL TOUR

22 Students of III B.Sc CBZ and staff members of Mrs.M.Adilakshmi and Mrs.M.Aruna visited Hamsala Deevi and rearing of tiger prawns at Kodur Villaege on 25th August 2012 from 7.30am to 6.00pm. They observed the Krishna river Estuary, different types of nets & boats and got information

about the prawn rearing management from the



farmers.

IV) PARENT-TEACHER MEET

Mrs.M.Adilakshmi, Mrs.M.Aruna Mrs.K.Sailaja and Mrs.Ch.Sarojini conducted parent –teacher meet on 2-9-12 at 11.00am in the staff seminar room.



V) CELEBRATION OF NON-TEACHING STAFF DAY

Dept of zoology was allotted to celebrate the non-teaching day on 6th September 2012 in the old Auditorium at 3.00p.m. On this occasion the management felicitated the members who are **completed 25 years of their service. i.e Mrs. B.Swarupa Rani and Mrs.K.Raga Rangitha.** On this occasion dept of Zoology conducted Housie game and Last one in the Circle for all non-teaching staff on 2nd September 2010 at 4.00p.m. Prizes were distributed to prize winners by Rev. Sr. Mary Thomas, Correspondent.



VI) INTER COLLEGIATE STUDENT LEVEL SEMINAR & PAPER PRESENTATION COMPETITION



Inter collegiate student level seminar on “over view on r-DNA Technology” was organized by the dept of zoology on 21st September 2012 at 1.30 pm for all degree students in the old auditorium. Dr.P.Sudhakar dept of Biotechnology ANU was the Resource person. Paper presentation competition conducted on “Applications of Biotechnology-Relevant to Human Welfare”. 80 students participated. Out of which 14 students presented paper presentations. Rev.Sr.Mareelu Principal distributed the prizes to prize winners.

VII) SALES MELA –CELEBRATION OF SOLIDARITY DAY

All the Heads of the departments including Principal and Correspondent had decided to conduct Sales Mela for Inter and Degree students on 10th November 2012. In this connection, department of zoology and Botany have decided to arrange vegetable biryani and chicken curry for the students and also to the teaching and Non-teaching staff. On that day we gained the profit was Rs.6000 which was handed over to the principal.



VIII) SCHOOL EDUCATION PROGRAMME

B.Nagavani, N.Neelima, Y.Santhi and K.Chaitanya of III B.Sc CBZ students explained the Human Digestive System for the students of IX class A\S & B\S on 21st November 2012 from 1.30 to 4.30 pm with the help of charts and models at K.S.M.High School,Chenchupet under the guidance of Mrs.M.Adilakshmi and Mrs.M.Aruna.



IX) STAFF AS PARTICIPANTS & PAPER PRESENTATION

1.Mrs.Ch.sarojini lect.in zoology has participated in the National seminar on **Life Style and Health Management**, organized by Dept of Physical Education held at The Bapatla College of Arts& Science, Bapatla. From 13th to 14th July 2012 and presented a paper on “**Physical Education to enhance Academic Achievement and Attendance**”

2.Mrs.Ch.sarojini, lect.in zoology has participated in 5th A.P. Science Congress 2012 organized by APAS and A.N.U From 13th to 16th November 2012.

3.Mrs.K.Sailaja Lect. in Zoology has participated in the International Conference on **Anthropogenic Impact on**

Environment and Bioremediation, organized by Dept of Zoology, S.V. university, Tirupathi from 26th -28th November 2012

4. Mrs. M. Aruna Lect in Zoology has participated in the National Conference on **Impact of pesticides and persistent organic pollutants on environment and sustainability of the environment**, organized by the Dept of chemistry held at Govt. College for Women, Guntur from 30th November-1st December 2012.

5. Mrs. M. Adilakshmi Lect in Zoology has participated in the National seminar on **Recent trends in Nanobiotechnology in the protection of health and environment** organized by Dept of Botany, Andhra Loyola College, Vijayawada from 30th November-1st December 2012.

6. Mrs. K. Sailaja and Mrs. Ch. Sarojini dept of zoology have attended National Conference on “ Innovations in plant research in the 21st century” organized by dept of Botany held at J.M.J. College for Women, Tenali from 30th to 31st January 2013.

7. Mrs. Ch. Sarojini dept of zoology has attended National Seminar on “ Telugu Sangheeka Natakalu – Samajika Chaitanyam” organized by dept of Telugu held at J.M.J. College for Women, Tenali from 4th to 5th February 2013.

X) STUDENTS AS PARTICIPANTS

P. Manjula, K. Chaitanya, B. Nagavani, K. Priyanka, N. Neelima, B. Mounika and Y. Santhi of III B.Sc CBZ students have participated **in the National seminar on Recent trends in Nanobiotechnology in the protection of health and environment** organized by Dept of Botany, Andhra Loyola college, Vijayawada from 30th November- 1st December 2012.

Ch. Sowjanya, M. Rajani, N. Neelima, P. Sukanya, P. Radhika, E. Sirisha, Y. Vanaja, A. Prasanakumari,

B. Jeevitha, G. Deepthi, L. Santhosham and P. Sudharani of III B.Sc CBZ students have participated in **the National Conference on Impact of pesticides and persistent organic pollutants** on environment and sustainability of the environment organized by the Dept of Chemistry held at Govt. College for Women, Guntur from 30th November-1st December 2012.

XI) GUEST LECTURE

Mr. K. Satya Prasad Lecturer in Biotechnology, Gupta college, Tenali was delivered a guest lecture on “Scope of biotechnology and Transgenic animals” for III B.Sc CBZ students on 5th February 2013 at 10.00am in seminar hall.



Mrs. Ch. Sarojini along with AICUF members visited Tenali Sub-jail on the occasion of **Suppose-Christmas** celebrations on 22-12-2012 and gave the message to the Jail –mates.



XII) INTERACTION OF AUTONOMY REVIEW COMMITTEE WITH ZOOLOGY DEPARTMENT MEMBERS



XIII) EXTENSION ACTIVITIES

Mrs.CH.Sarojini organized Children`s Day Celebration
On November 14th 2012.



DEPARTMENT OF ZOOLOGY

SYNOPSIS OF DEPARTMENTAL ACTIVITIES 2013-14

1.FIELD TRIP TO FISH POND

Place: - Pedaravuru and Kuchipudi

Date: - 13.8.13

Time: -12.00to 4.00p.m

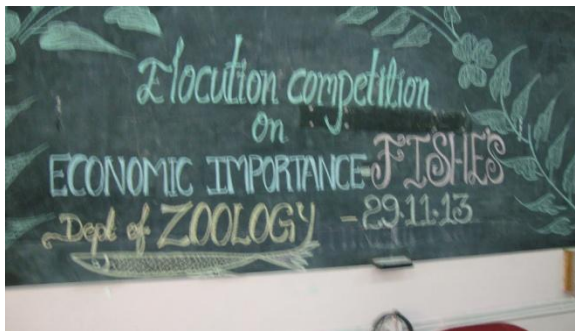
Class: - III.B.Sc A/S & B/S C.B.Z.Students

A field trip is arranged to **Vamsikrishna fish breeding centre at Pedaravuru and Kuchipudi**.32 students of III B.Sc C.B.Z and staff members of zoology department .Mrs.M.Adilakshmi,Mrs.M.Aruna visited the fish breeding centre from 12.00 to 4.00p.m.



2.Dept of zoology conducted **an ELOCUTION COMPETION ON** “Economic Importance of Fishes” for all Degree students on 29/11/13.17 students participated.Mrs.T.Arogyamma H.O.D. of Economics &Mrs. P.M.Padmalaatha Lect.in Mathematics acted as Judges. Prize winners are

I Prize -	B.Harani	I B.Sc
II Prize -	D.Hansy Paulina	III B.Sc
III Prize –	N.Suneetha	IIIB.Sc



3.Department of Zoology conducted **AN EDUCATIONAL TOUR** for II Inter B.Pc, I & II B. Sc C.B.Z. Students on 8/12/13. Mrs. M.Adilakshmi and Mrs.M.Aruna are Incharge-Lecturers. We visited the following places:**Uppalapadu-Migratory birds, Manasa sarovaram-Guntur, Gunadala-Vijayawada, Victoria Museum, KanakaDurga temple, Regional Science Centre-Bhavanipuram, GandhiHill-Plantorium & Rajiv Gandhi Park.**



4. REPORT ON INSPIRE PROGRAMME

Innovation in Science Pursuit for Inspired Research (INSPIRE) Internship science camp was conducted by the department of Zoology from 6.01.2014 to 10.01.2014 sponsored by Department of Science and technology(DST). 150 students who secured above 9.1GPA in X class from 10 different colleges namely

1. St.Joseph's Junior College For Girls, Nallapadu – Guntur
2. JMJ College For Women (Autonomous), Tenali,
3. LVR Viswa Junior College, Tenali
4. Sri Chaithanya Junior, Vijayawada
5. JMJ Junior College for Girls, Hanuman Junction
6. JMJ Junior College for Girls, Karnool
7. Sree Sai Junior Collge, Tenali
8. Viveka Junior College, Tenali
9. Morning Star Junior College, Phirangipuram
10. Vishnavi Junior College, Tenali

participated in this programme. 15 Resource person from different states namely Prof. Sneha Kumar Dogra, Indira Gandhi National Open University, Delhi, Prof. G.V. Prasad, Delhi University, Prof. S.C. Samantha, Former General Sceretary, Indian Association of Physics Teacher, West Bengal, Dr. M. N. Ponnu Samy, University of Madras, Chennai, Prof. V.S. Murthy, IIT, Chennai, Prof. J.. Nagaraju, IIS, Bangalore, Dr. Mannam Krishna Murthy, Varsity Education Mgmt. Ltd, Mumbai, Prof. P. KandaSwany, Bharathiyar University, Coimbatore, Prof. S. Jayarama Reddy, Former V.C, S.V. University, Tirupathi, Tirupati, Prof. Deekshathlu, University of Hyderabad, Dr. Senthil Kumar, NGRI, Hyderabad, Prof. B.N.Reddy, Osmania University, Dr. P.C. Swarup Sir. C.R Reddy College, Eluru,Dr. M. Satyanarayana, K.G.R.L College, Beemavaram.

This programme aims to work as a lifelong catalyzing experience for the Intermediate Students in science training. The basic objective of INSPIRE is to communicate to the youth of the country, the excitements of creative pursuit of science. The interaction was done with the students at the workshop, through scientists and educators. Students were given orientation to the different laboratories for practical sessions.

INSPIRE

Inaugural function



Valedictory function



Organizing committee



5.REPORT ON NATIONAL SEMINAR ON “BIODIVERSITY CONSERVATION–PRESENT STATUS”

Department of Zoology, J.M.J. College for women Autonomous: Tenali-522 202, organized National seminar on “BIODIVERSITY CONSERVATION–PRESENT STATUS” on 23rd and 24th January, 2014, Sponsored by NBA, APSICHE&UGC in collaboration with the Department of Zoology Acharya Nagarjuna University Guntur.Delegates (45), scholars (20) and students (200) of various colleges and Universities of A.P. and other states were participated in the seminar.

The following Invited speakers enlightened the participants with their talk on different aspects of Biodiversity Conservation:

Dr.C.N.Ramchand, CEO, Laila Pharmaceuticals Pvt. Ltd., Chennai; Dr.Ravishankar Thupalli, Project Director, NBA, Chennai; Dr.Sivaraj Natarajan, NBPGR, Hyderabad; Dr. Venugopal, Scientist, Ethnobotany, Laila Nutraceuticals; Prof.P.B.Kavi Kishor, Osmania University; Prof.A.M.Deshmukh, Dr.B.A.Marathwada University; Dr.Prabha Sharma, University of Delhi, Delhi; Dr.A.Rajani Kanth, Assistant Director, Birbal Sahani, Institute of Paleobotany, Lucknow; Prof. E. Udayabhaskar Reddy, Andhra University; Prof.K.B.Reddy,

Environmental Consultant; Dr.P.Kali Das, Principal Scientist, Directorate of Oil Palm Research, Eluru; Dr.Mohan Krishna Reddy,Lucknow University; Uyyuru Raghava Reddy, Agriculturist.

The seminar was successfully completed with valedictory function in which certificates and prizes were distributed to the participants, the poster & paper presentation prize winners. The Participants opined that they got good opportunity to know and to share their knowledge regarding Biodiversity Conservation. Students promised that they will share their experiences with their classmates and also with community as practicality is needed to sustain Biodiversity.



Releasing the Seminar Souvenir by the guests
Maris, correspondent

Valedictory address by Rev.Sr.Stella

6.Mrs.M.Adilakshmi,HOD of Zoology acted **AS RESORCE PERSON** gave a talk on AIDS awareness to residents of TANGILLAMUDI on 10/12/13 at 10.00am



7.Department of Zoology motivated and trained B.Sc students to participated in **District level Intercollegiate competition on QUIZ& POSTER PRESENTATION** held at GOvt.College for Women,Guntur on 12/12/13 at 11.00am.The following students participated and **got II prize both in quiz and Poster Presentation.**

Quiz: P.Pavani ,D.Hansy Paulina,G.Sandhya Rani &N.Suneetha of III B.Sc and B.Harani I B.Sc

Poster Presentation: R.Salamma IIB.Sc

8.SOLIDARITY DAY CELEBRATION ; SALES MELA

All the Heads of the departments including Principal and Correspondent had decided to conduct sales mela for Inter and Degree students on 20/12/13 from 9.30 am to 4.30 pm. We decided whatever the profit will be gain in the sales mela is contributed to the ST tribal

students of Kondramutla. In this connectin, Department of Zoology and Botany have decided to arrange Vegetable Biryani and Chicken Curry for the students and also to the Teaching and Non-Teaching Staff. The cost of each biryani plate is Rs.60/ and chicken curry is Rs.50/-. On that day we gained the profit was Rs.4000/ and was handed over to the principal. Students and Staff enjoyed a lot and got full satisfaction with the profit on that day.



9. Mrs.Sarojini Chiluvuri attended Orientation programme on practicals (Intermediate) in GJCW-Guntur.

10. Mrs.Sarojini Chiluvuri Organized Children's day and gave talk on Jawaharlal Nehru Achievements in his life and also as P.M.

11. Mrs.Sarojini Chiluvuri Went to Tenali Sub- Jail as resource person, AICUF committee on the occasion of semi Christmas Celebrations.

12. Mrs.Sarojini Chiluvuri Composed and directed the Christmas play on the occasion of semi Christmas Celebration on 21.12.13

13. Mrs.Sarojini Chiluvuri Handled the zoology Practical session of INSPIRE from 06.01. 14 to 10.01.14



14. Mrs.Sarojini Chiluvuri visited ZPH Schools of Chinaparimi, Kuchipudi and Pedaravuru to bring awareness on the courses and facilities available in JMJ College for Women, Tenali on 7/2/14.

15. Mrs.M.Adilakshmi visited ZPH Schools (X class students), Anganwadi Teachers, Village Assistants, Surpanchi , Vice President, Dwakra Leaders & Residents of Chavavaripalem, Dundepalem ,Yadla palli and Valiveru to bring awareness on the courses and facilities available in JMJ College for Women,Tenali on 13/2/14.



16.Mrs.M.Aruna visited ZPH Schools (X class students), Anganwadi Teachers, Village Assistants, Surpanchi , Vice President, Dwakra Leaders & Residents of Garuvupalem, Sekuru and Selapadu to bring awareness on the courses and facilities available in JMJ College for Women,Tenali on 14/2/14.

17.Staff as participation and Presented a Paper in Seminar

1.Ms.M.Aruna and.Ms.M.Adilakshmi were attended and **presented a paper on “Consequences of Biodiversity Loss”** in National seminar on “Biodiversity Conservation-Present Status” organized by dept of zoology, JMJ College for women,Tenali from23-24 january 2014.

2. Mrs.M.Adilakshmi,H.O.d of Zoology,Mrs.K.Sailaja,Lect. In Zoology,P.Pavani III B.Sc and G.SandhyaRani III B.Sc attended the National seminar on “Aquatic Toxicology,Biodiversity and Aquaculture “ organized by Dept.of Zoology and Aquaculture,ANU,Gentur from 15-17 November 2013.

3.K.Sailaja and.Ms.M.Adilakshmi were attended and **presented a paper on “studies on Pharmacological and Anti-arthritic activity of Alangium alpinum and Alagium salvifolium ”** in National seminar on “Biodiversity Conservation-Present Status” organized by dept of zoology, JMJ College for women,Tenali from23-24 january 2014.

4.Mrs.Sarojini Chiluvuri Presented a paper on- Why I have to be “Biodiversity-Friendly”? in National seminar on “Biodiversity Conservation-Present status” on 23.01.14 &24.01.14 at JMJ College for women ,Tenali.

5.Mrs.Sarojini Chiluvuri Presented a paper on Vital role of Microbial Diversity in alkaline Protease Production at Industrial level in National seminar on “Biodiversity Conservation-Present status” on 23.01.14 &24.01.14 at JMJ College for women ,Tenali

IQAC

- ❖ A seminar was organized by the management on counselling by Dr.Samson Gandhi,Director,counselling centre, Hyderabad and Mr.Santhosh on 30.10.2013.
- ❖ Capacity building Work shop was conducted on e-content development by Dr.S.Senthilnathan, Fr.P.Susai Manickam and other technicians (Gowtham and Shyam Prasad) from 30.11.13 to 6.12.13.
- ❖ A talk was arranged by the management on” Speech”. Fr.Shijo, Priest of Devine centre ,Mangalagiri was the resource person on 9.12.13.
- ❖ Evaluation committee was conducted a meeting for the Non teaching and Teaching Staff by Fr.Pushpa Raj,Fr.Francis Xavier,Rev.Sr.Regina,Sr.Innamma,Sr.Stella Maris and Ms.K.Sailaja from 11.12.13 to 12.12.13.
- ❖ Awareness programme on PG Courses was conducted for the III Degree Students on 4.2.2014 by University Professors.
- ❖ All the faculty members visited ZPH Schools (X class students), Anganwadi Teachers, Village Assistants, Surpanchi , Vice President, Dwakra Leaders &Residents of different villages which are near by our college and Hanuman junction,Ongole,Nallapadu to bring awareness on the courses and facilities available in JMJ College for Women,Tenali from 3/2/14 to 17/2/14.

PHOTOS OF e-content work shop





PARENT - TEACHER MEET

Parent/teacher meet was held on 28/7/13, 9/11/13 & 9/2/14 at 11.00am in the old Auditorium and Staff seminar room for Inter and Degree separately. Parents expressed that the educational facilities and opportunities available in the college were satisfactory. They are requested to take extra care in study hours and to make the students to read themselves. They also requested to arrange extra coaching for slow learners who are weak in the core subjects.

PHOTOS OF PARENT/TEACHER MEET





DEPARTMENT OF ZOOLOGY

SYNOPSIS OF DEPARTMENTAL ACTIVITIES FOR THE YEAR 2014-15

I) NEWS ROUND UP PROGRAMME:

The members of the education club were divided into seven groups to collect the material related to zoology from different news papers and journals and to display in the department notice board daily. This programmed improves the reading habit in a systematic way and also to collect and to interpret the current knowledge with the previous knowledge.

II) FIELD TRIP :

Mrs.M.Adilakshmi and Mrs.M.Aruna took III B.Sc CBZ students to visit Poultry Farm at Sultanabad and Emu Farm at Angalakuduru On 5/8/14 at 2.00 pm. Students observed management and rearing methods of Poultry and Emu Farm.



III) STUDY TOUR:

23 III B.Sc CBZ students visited Nizampatnam on 16/8/14 at 7.00pm under guidance of Mrs.M.Adilakshmi and Mrs.M.Aruna. There, students observed processing and preservation of fishes, prawns and squids. They gained the knowledge about the preparation of nets, various types of boats. They have seen mangroove forest, Beach, different types of crabs and collection of shells. They recognized the value of fishery industry and socio-economic status of fisher men.



IV) FIELD TRIP TO FISH POND:

23 III B.Sc CBZ students visited fish breeding center at Kuchipudi on 26/8/14 at 1.00pm under guidance of Mrs.M.Adilakshmi and Mrs.M.Aruna. Students observed the process of Induced Breeding in Catla and Labeo, Chinese hatchery, breeding hapa, breeding tank, spawn and fish fry. They came to know the importance of self employment.



V) CELEBRATION OF NON-TEACHING STAFF DAY

Department of Zoology celebrated NON-TEACHING STAFF DAY on 6/9/14 at 11.00am in the old Auditorium. Ms. K. Malleswari who rendered 25 years of service was felicitated by the Management. In this connection, Department of Zoology conducted Housie, Last One In The Circle and Filling the Bottle games for Non-Teaching Staff on 2/9/14. Prizes were distributed to Prize winners on this day by our Correspondent Rev. Sr. Stella Maris.



VI) REGIONAL LEVEL SEMINAR & INTERCOLLEGIATE COMPETITION:

Department of Zoology organized Regional Level Student Seminar on “Fish and Fishery-Value Addition” and Intercollegiate paper presentation competition on 18/9/14 at 1.00pm. Dr. P. V. Krishna, Dept of Zoology, ANU, Guntur delivered a lecture on “Byproducts and Importance of fishes”. 10 different colleges of students have participated. 26 students presented papers. Prizes were distributed to Prize winners on this day by the Correspondent Rev. Sr. Stella Maris.



VII) EXTENSION ACTIVITY: VISITED OLD AGE HOME AT NANDIVELUGU

a) 12 II BSC [CBZ] students and Ms. Adilakshmi & Ms. Aruna Dept of zoology visited Maharshi Dayananda ashramam at Nandivelugu on 29.10.14 at 11:00AM. Students and staff interacted with inmates of old age home and distributed fruits to them. 89 old age people are staying in that home.



b) Mrs. Sarojini Chiluvuri, lecturer in Zoology along with Ms. Bharathi, lecturer in Mathematics, and Ms. Y. Ramadevi, lecturer in Chemistry visited ZPH Schools of Angalakuduru and Yadlapalli on 5/12/14 to bring awareness among X class students through Talk and pomp lets on the courses, committees, placement opportunities through campus drive and facilities available for best education in JMJ College for Women, Tenali, from Inter to Post Graduation for female candidates.

c) Mrs. Sarojini Chiluvuri Went to Tenali Sub- Jail as resource person, AICUF committee on the occasion of semi Christmas Celebrations on 16 -12-2014 and gave talk on the importance of forgiveness, love and affection.



VIII) GUEST LECTURE:

Department of zoology was arranged a guest lecture on “ r DNA TECHNOLOGY AND DNA FINGER PRINTING” for III B.Sc CBZ students on 1.11.14 at 10.30 am in the zoology lab III .Mr.M.Satyaprasad, Lecturer in Biotechnology, NVR&KSR Gupta Degree College, Tenali was the resource person. He explained about the protocol of r DNA Technology and its applications.



IX) SCHOOL EDUCATION PROGRAMME: “Learn to teach and Teach to learn”

III B.Sc CBZ students are going to conduct school activity on 5/11/14 from 2.00 to 4.30 pm on “Human reproductive system & changes in adolescence period” for VIII class students and “Blood groups and identification & muscular and nervous tissue” for IX class students of K.S.M. high school, chenchupet, Tenali, under guidance of Mrs.M .Adilakshmi &Mrs.M.Aruna.



X) SOLIDARITY DAY-SALES MELA:

All the Heads of the departments including Principal and Correspondent had decided to conduct Sales Mela for Inter and Degree students on 22nd November 2014 from 9.30am to 4.30pm. We decided, whatever the profit will be gain in the sales mela is contributed to the ST TRIBAL students of KONDRAMUTLA.



XI) INDUSTRIAL VISIT:

Department of zoology arranged a industrial visit to” **SANGAM DAIRY**” at Vadlamudi for III B.Sc CBZ students on 5.12.14 at 2.30 pm. The guide explained the processing, preservation and preparation of byproducts of milk.



XII) ENDOWMENT LECTURE:

Department of zoology arranged an Endowment Lecture on 2.12.14 to Biology students of Degree & Senior Inter in loving memory of Mrs.K.Emma Mary, Former Lecturer in zoology

on "DIABETES & CHOLESTEROL". Dr.C.Gopala Krishna, HOD of zoology, Hindu college, Guntur, invited as resource person. He gave detailed information about Diabetes.



XIII) STUDENTS PARTICIPATION:

- 1) Department of Zoology selected .N.Reshma, III B.Sc., B.Harani, II B.SC & B.Ramya, I B.Sc to participate in an Intercollegiate Quiz competition held at T.J.P.S. College, Guntur, on 19/12/14 . They got Third Prize in QUIZ.
- 2) Department of Zoology selected K.Sumathi Devi and B.Nagalakshmi III B.SC to participate in an Intercollegiate Quiz competition held at A.C.college, Guntur , on 28/1/15 at 2.00 pm. They got Consolation Prize in QUIZ.

XIV) EXHIBITION:

MPEDA (Marine Products Export Development) organized Aqua Aquaria Exhibition at AL college, Vijayawada from 20th to 22nd February 2015. Mrs.M.Adilakshmi and Mrs.M. Aruna took III B.Sc CBZ students to visit that exhibition on 22nd February 2015. Students observed different types of fish and shrimp meal, antibiotics, various types of aerators and equipment used to detect various parameters of water and also observed culturing of fishes, prawns and crabs.



XV) STAFF - PUBLICATIONS:

- 1) Mrs.M.Adilakshmi Department of zoology attended one day **National Seminar** on "Gender justice- Empowerment of Rural Women in India". Organized by Department of Politics on 15th December 2014 held at J.M.J.College for women, Tenali. Mrs.M.Adilakshmi presented paper on "**Rights of Women**" ISBN No:978-93-83163-06-0 .

2)**Mrs.M.Adilakshmi** Department of zoology attended one day **National Seminar** on “Gender justice- Empowerment of Rural Women in India”. Organized by Department of Politics on 1⁵th December 2014 held at J.M.J.College for women, Tenali. Mrs.M.Adilakshmi presented paper on “**Gender Sensitivity and atrocities against women in rural areas**” ISBN No:978-93-83163-06-0 .

3)**Mrs.M.Aruna** Department of zoology attended one day **National Seminar** on “Gender justice- Empowerment of Rural Women in India”. Organized by Department of Politics on 15th December 2014 held at J.M.J.College for women, Tenali. Mrs.M.Aruna presented papers on “**Rights of Women**” ISBN No:978-93-83163-06-0.

4)**Mrs.M.Aruna** Department of zoology attended one day **National Seminar** on “Gender justice- Empowerment of Rural Women in India”. Organized by Department of Politics on 15th December 2014 held at J.M.J.College for women, Tenali. Mrs.M.Aruna presented paper on “**Gender Sensitivity and atrocities against women in rural areas**” ISBN No:978-93-83163-06-0

XVI)STAFF-PAPER PRESENTATIONS

1)**Mrs.M.Adilakshmi ,Mrs.M.Aruna andMrs.Ch.Sarojini** Department of zoology attended two day National Seminar on “Recent trends in life sciences 2014” held at TRR Govt. Degree ,Kandukur from 7/8/14 to 8/8/14. Mrs.M.Adilakshmi presented a paper on “Byproducts of Sericulture” and Mrs.M.Aruna presented a paper on “The Value of Wild Life”.

2)**Mrs.M.Aruna and Mrs.Ch.Sarojini** Department of zoology attended two day **National Seminar** on “An Evolution of Indian Constitutional Law and Six Decades of Indian Democracy” from12/8/14 to 13/8/14 held at J.M.J.College for women, Tenali ISBN No:978-93-83163-56-5.

3)**Mrs.Ch.Sarojini** , Department of zoology attended Workshop on “Knowledge and Openness in Digital Era” held at AL College ,Vijayawada from 24/6/14 to 25/6/14.

4)**Mrs.Ch.Sarojini** , Department of zoology attended training programme on “Human Values and Professional Ethics” held at Govt.Degree College for Women,Guntur

5)Under instruction of C.C.E, Hyderabad, along with principal, **Mrs.M.Adilakshmi** , Department of zoology visited Top 4 rank holder colleges in Hyderabad,i.e. Loyola Academy Degree college, St. Francis college for women,Bhavan’s New Science college and Nizam Degree college. In those colleges ,we observed their Infrastructure facilities,Curricular modifications, Research and Consulstancy,,Student support activities and Healthy practices from15/7/14 to 17/7/14.

6)Under instruction of C.C.E, Hyderabad, along with principal, **Mrs.M.Adilakshmi** , Department of zoology visited Top 4 rank holder colleges in Chennai i.e. Stella Maris college, The New college,Prisidency college and Yathi raj college for women from 11/8/14/ to/14/8/14. In those colleges , we observed student support activities , Curricular modifications, Research and Consulstancy,,Student support activities and Healthy practices.

7)**Mrs.M.Adilakshmi ,Mrs.M.Aruna andMrs.Ch.Sarojini** Department of zoology attended two day **National Seminar** on “Two Decades of Economic Reforms in India-Problems and Perspectives” organized by Department of Commerce from 10/9/14 to11/9/14 held at J.M.J.College for women, Tenali. ISBN No:978-93-83163-51-0

8)**Mrs.M.Adilakshmi ,Mrs.M.Aruna andMrs.Ch.Sarojini** Department of zoology attended one day National Seminar on “Gender justice- Empowerment of Rural Women in India”. Organized by Department of Politics on 15th December 2014 held at J.M.J.College

for women, Tenali. Mrs.M.Adilakshmi and Mrs.M.Aruna presented papers on “Rights of Women” and “Gender Sensitivity and atrocities against women in rural areas”. Mrs.Ch.Sarojini presented a paper on “Women in Decision making at different levels”.
ISBN No:978-93-83163-06-0

9)Mrs.M.Adilakshmi ,Mrs.M.Aruna andMrs.Ch.Sarojini Department of zoology attended two day International conference on”Genomics and Stem cells” organized by Department of Zoology held on 6th and7th January 2015 at KBN college,Vijayawada. Mrs.M.Adilakshmi and Mrs.M.Aruna presented paper on” Stem cell Therapy”

10)Mrs.M.Adilakshmi ,Mrs.M.Aruna andMrs.Ch.Sarojini Department of zoology attended two day State level seminar on” Mangrove Ecosystems of Andhra Pradesh” from 8th to 9th January 2015 at P.R.Govt.Degree college ,Kakinada and presented paper on “Conservation of Mangroves and their associated animals, related legislations”

11)Mrs.M.Adilakshmi ,Mrs.M.Aruna and Mrs.Ch.Sarojini Department of zoology attended three day **National Seminar on”** Recent trends and practices in Ornamental fishery with special emphasis on promotion of women Entrepreneurship in Aquaryculture” held at Andhra Loyola college, Vijayawada. From 22nd to 24th January 2015 and presented paper on “ Breeding of ornamental fishes.” By Mrs.M.Adilakshmi &Mrs.M.Aruna. Mrs.Ch.Sarojini presented paper on”A review on Ornamental fish species, breeding and trades” .

12)Mrs.M.Adilakshmi Mrs.M.Aruna and Mrs.Ch.Sarojini Department of zoology attended two day **National Seminar on “Sustainable environment through green energy”** held at Andhra Loyola college, Vijayawada. From 27th to 28th February 2015 and presented papers on “Global warming-its consequences” and “Municipal solid waste –the challenges it poses” respectively.

XVI) ACADEMIC AUDIT-11.11.14

Dr.Naveen Kumar,Dept. of Maths,KBN college and Mr.D.S.S.Bhaskara Prasad,Dept.of Physics,SRR&CVR Govt.coolege,Vijayawada audited our college and we received ‘A’ grade.



XVII) B.O.S. MEETING - 03-03-2015

Members of Board of studies reviewed the syllabi and model question papers of V& VI semesters and choice based electives Theory and Practical (IV) i.e. Poultry Science of V Semester and Communicable diseases and management of VI Semester of III B.Sc.



XVIII) INSPIRE PROGRAMME from 25-03-2015 to 29-03-2015 Zoology practical sessions of 5 days **Internship science camp, Innovation in Science Pursuit for Inspired Research (INSPIRE)** sponsored by Department of Science and Technology (DST) were taken by Mrs.Ch.Sarojini. She has written the certificates of the participants also. 150 students who secured above 9.1GPA in X class from 10 different colleges.



DEPARTMENT OF ZOOLOGY

SYNOPSIS OF DEPARTMENTAL ACTIVITIES FOR THE YEAR 2015-16

1) NEWS ROUND UP PROGRAMME:

Objective: “Each time we read, a seed is sown for the future”

The members of the education club were divided into seven groups to collect the material related to zoology from different news papers and journals and to display in the department notice board daily. This programmed improves the reading habit in a systematic way and also to collect and to interpret the current knowledge with the previous knowledge.

Out come: This programme improves the reading habit in a systematic way and also to collect and to gain current knowledge. Students are able to interpret the current knowledge with the previous knowledge.

2) STUDY TOUR:

Objectives:

To understand the making and repair of fish gear

To observe the processing and preservation of fishes & shrimps

30 III B.Sc CBZ students visited Nizampatnam on 4/7/15 at 7.00pm under guidance of Mrs.M.Adilakshmi and Mrs.M.Aruna. There, students observed processing and preservation of fishes, prawns and squids. They gained the knowledge about the preparation of nets, various types of boats. They have seen mangroove forest, Beach, different types of crabs and collection of shells. They recognized the value of fishery industry and socio-economic status of fisher men.

Out come: They gained the knowledge of rearing and management of shrimp culture, fishing gear and craft and various methods of fish preservation. The tour helped the students to gain the practical experience.



3) ESSAY WRITING COMPETITION:

Objectives :

To develop writing skills

To be aware of economic importance of mammals

To inculcate competitive spirit among the students

Department of Zoology conducted Essay writing competition on “ Economic Importance of Mammals” for Degree students on 7th July 2015 at 3.30pm in the Zoology Lab III. Duration is 50 minutes. 10 students were participated in this competition. Mrs.M.Adilakshmi, HOD and Mrs.M.Aruna, Lecturer acted as judges to correct the papers and finalized the prize winners.

Out come: Through this essay writing competition, students referred, collected and presented the concerned topic matter which paved the way to enhance writing skills, time management and competitive spirit.



4) AWARENESS ON THE PREPARATION OF BANK EXAMS

Objective:

To utilize the cheaper resources of knowledge available in the library to get success in competitive exams to secure job.

Ms.P.Vineela Elen, PO of Andhra bank, Mahadev patnam, West Godawari Dt. Enlightened the students of III B.Sc CBZ regarding the role of competitive exams news given in daily news papers in preparation to Bank exams without much expenditure 10th July 2015..

Out come: Students came to know the importance of the news papers in the preparation of competitive exams to secure job.

5) CAREER GUIDANCE IN LIFE SCIENCES

Objectives :

To be aware of PG entrance pattern , job opportunities and research facilities in life sciences.

We arranged an awareness programme on career guidance in life sciences for III B.Sc CBZ students on 3rd August 2015 at 9.30 am. Mr.D.S.D.Suman Joshi Research scholar, Dept of Biotechnology, ANU was the resource person. He gave detailed information about the PG common entrance for seven life sciences Ranking, selection and counseling system, NET, SLET, Funding agencies for Research in life sciences like CSIR(JRF & SRF), Rajiv Gandhi fellowships, Dept. of Biotechnology, Medical science etc. and Job opportunities in life sciences.

Out come: Students got awareness regarding Examination pattern, Ranking and selection under PG SET. They gained the information of research opportunities and Job opportunities in various sectors.



6) FIELD TRIP TO FISH POND:

Objective:

To observe the process of induced breeding in major carps

To know the importance self employment in fisheries

30 III B.Sc CBZ students visited fish breeding center at Kuchipudi and Pedaravuru on 04/08/15 at 1.00pm under guidance of Mrs.M.Adilakshmi and Mrs.M.Aruna .Students observed the process of Induced Breeding in Catla and Labeo, Chinese hatchery ,breeding hapa,breeding tank, spawn and fish fry.They came to know the importance of self employment.

Out come: The field trip helped the students to have practical experience. Whatever they learned in the class room, they observed it in the field itself. It also encourages the students to realize the importance of self-employment.



7) ENDOWMENT LECTURE

Objective:

To be aware of earth sciences

An Endowment Lecture was arranged in loving memory of Mrs.K.Emma Mary, Late Former Lecturer in zoology on "EARTH SCIENCES" 13/08/15 11.00.am. Mr.P.C.Swaroop. Associate professor, Department of Geology, SIR C.R.Reddy college, Eluru invited as resource person. He gave a detailed information about Origin and topography of earth, earth quakes, tsunami and importance of fossils.

Out come: He quote the achievements of eminent scientists and noble laureates to inspire the students to do research work.



8) SCIENCE FAIR EXHIBITION AT VSR&NVR COLLEGE, TENALI

Objective:

To observe and understand the working of different models in Physical and Biological sciences Under INSPIRE programme, Guntur District High Schools organized “Science Fair Exhibition” at VSR &NVR College, Tenali from 22nd to 24th August 2015. Mrs. M. Adilakshmi, HOD and Mrs. M. Aruna Lecturer took III B.Sc CBZ & II Inter Bi.PC A/S & B/S students to visit that exhibition on 22nd August 2015 at 1.30 pm. Our students observed the different working models of solar energy production, Rain water harvesting, Drip irrigation, Working of human heart, and blood circulation, Food adulteration, Sources of vitamins, Transpiration, Water purification, Waste water treatment, Types of pulses, cereals and spices, medicinal value of medicinal plants, Robot model, Power conservation models, Biogas production, weed removal machine, Crude oil silt purification, Human teeth models, Working model of crane and proclainer, Roof gardens etc.

Out come : They gained practical knowledge and understood the mechanism of working models. They enjoyed a lot. It was a marvelous exhibition.



9) CELEBRATION OF NON-TEACHING STAFF DAY

Department of Zoology celebrated NON-TEACHING STAFF DAY on 07/09/15 at 3.30pm in the old Auditorium. In this connection, Department of Zoology conducted Housie and Last One In The Circle games for Non-Teaching Staff on 2/9/15. Prizes were distributed to Prize winners on this day by our Correspondent Rev. Sr. Stella Maris.

Out come: Management felicitated Non-Teaching Staff who rendered 25 years of their service.



10) USAGE OF SMART BOARD

Objective: To be aware of usage of SMART board as teaching aid (ICT)

Mr.Poorna Chandra Rao ,Department of Computer Sciences, Dr. KRRM Degree College,Duggirala was the resource person. He demonstrated and trained the staff and Students on usage of SMART board as teaching aid in the class room from 10th and 11th September 2015.. He explained i.e. how to take and save the file and folder , how to interoperate relevant inter net subject matter into the SMART board etc.

Out come: Staff gained the knowledge about the usage of SMART board



11) REGIONAL LEVEL STUDENT SEMINAR & INTERCOLLEGIATE COMPETITION:

Objective:

To know the benefits and applications of Green, White, Blue and Red Biotechnology in human welfare.

To enhance the self confidence and competitive spirit.

To inculcate the habit of browsing, internet to collect the information of concerned topic for paper presentation

To motivate the students to prepare PPT for their presentation.

Department of Zoology organized Regional Level Student Seminar on “**Applications of Biotechnology For Human Welfare**” and Intercollegiate paper presentation competition on 22/09/15 at 2.00pm. Dr. S.Krupanidhi, Prof & Head, Dept. of Biotechnology, Vignan University, Vadlamudi delivered a lecture on “Stem cells and Immune cells in Diagnosis”.The students of 12 different colleges have participated, 24 students presented papers. Prizes were distributed to the Prize winners by the Principal, Rev.Sr. Shiny KP.

Out come:

Student learned to organize seminar and hosting the participants. Co- operation and team work spirit , self confidence, competitive nature were enhanced in the Students. They gained and shared the knowledge about Applications of Biotechnology For Human Welfare.



12). The Faculty of Zoology Department donated money, sarees, bed sheets and bath soaps to The Little Sisters of Poor who maintained old age home at Nambur on 15.9.15



13).SCHOOL EDUCATION PROGRAMME

Objective :“Learn to teach and Teach to learn”

MS.T.Anuhya, & Ms.A.Deepthi of III B.Sc,CBZ explained the “FOOD FROM ANIMALS” for VIII class students of A/S &B/S and Ms.B.Harani & Ms.K.Sravanthi of III B.Sc,CBZ explained the “ADAPTATIONS IN ECOSYSTEMS” for IX class students of A/S &B/S with the help of charts , models and PPT under guidance of Ms. M.Adilakshmi and Ms.M.Aruna on 27.11.15 from 2.00 to 4.30 pm at KSM High school, Tenali. Students were observed very enthusiastically and felt very happy for the opportunity they got.

Out come :Our students learned how to learn, how to guide and how to motivate the students by handlings the class. They gained the practical experience and understanding the behavior of students.



14).SALIDORITY DAY -SALES MELA

Objective:To help to poor student education

All the Heads of the departments including Principal and Correspondent had decided to conduct **Sales Mela** for Inter and Degree students on 28th November 2015 from 9.30am to 4.30pm In this connection Department of zoology and Botany have decided to arrange vegetable biryani and chicken curry for the students and also to the teaching and Non-teaching

staff. The cost of each BIRYANI plate is Rs.50/ and CHICKEN CURRY is Rs.50/.On that day we gained the profit was Rs.4500/- which was handed over to the principal. Students and staff enjoyed a lot and got full satisfaction with profit on that day.

Out come : The profit will be gain in the sales mela is contributed to the ST TRIBAL students of KONDRAMUTLA.



15).KRISHNA VENI PUBLIC SCHOOL STUDENTS VISITED ZOOLOGY MUSEUM VI to IX Students visited Zoology museum on 30.11.15. at 3.00pm to observe various models and preserved rare specimens. Mrs.Ch.Sarojini and Mrs .M.Adilakshmi explained their identification & characteristic features of specimens, stuffed birds, human embryos and models.



16). IDEAL PUBLIC SCHOOL STUDENTS VISITED ZOOLOGY MUSEUM ON 17.12.15.IV to X students visited zoology museum to observe different types of fishes, prawns, crabs, stuffed birds, various models and preserved rare specimens. Mrs .M.Adilakshmi and Mrs.Ch.Sarojini explained their identification & characteristic features of specimens and models.



17).EXTENSION ACTIVITY: VISITED SWADHAR HOME AT ANGALAKUDURU On 18.12.15

20 III B.Sc[CBZ] students and Ms.M. Adilakshmi & Ms.Ch.Sarojini Dept of zoology visited SWADHAR home on 18.12.15 at 3.30pm. Students and staff interacted with inmates of SWADHAR home.105 people are staying in that home. Students enquired

their health, facilities available and family particulars and got the information why they are staying in this home. The inmates share their experiences with students. The manager explained the history of SWADHAR and different categories of inmates. Our students entertained inmates with songs, skit and dances and distributed fruits to them. Then she gave suggestions to the students about the value of parents & elder people. Students were enlightened with social and spiritual values.



18).Workshop on Intermediate public practicals at Divisional level held at Zoology department of JMJ College for women, Tenali. On 6.1.16

19).STAFF PARTICIPATION AND PUBLICATION IN SEMINARS

1).Mrs.M.Adilakshmi ,Mrs.M.Aruna andMrs.Ch.Sarojini Department of zoology attended two day NAAC sponsored National Seminar on “ Academic and Administrative Audit” from 12/8/15 to 13/8/15 organized by IQAC, JMJ College for women,Tenali. Mrs.M.Adilakshmi and Mrs.M.Aruna presented papers on “ Funding Agencies in India for research in science and technology and Achieving effectiveness in teaching learning”. Mrs.Ch.Sarojini presented a paper on “Revolutionary potentials of ICT in improving the quality of Education.”

2).Mrs.M.Adilakshmi ,Mrs.M.Aruna andMrs.Ch.Sarojini Department of zoology attended two day National Seminar on “ Emerging trends in Aquatic Biodiversity” held at SVRM College,Nagaram from 26/8/15 to 27/8/15. Mrs.M.Adilakshmi and Mrs.M.Aruna presented papers on “Management and conservation of Aquatic Biodiversity and Threats to Aquatic Biodiversity”. Mrs.Ch.Sarojini presented a paper on “ Aquatic Biodiversity and the constraints in its conservation.”

3).Mrs.M.Adilakshmi ,Mrs.M.Aruna Department of zoology attended one day workshop on “Stadardizing question paper setting under CBCS pattern under guidance of AP State Higher Education Department and RUSA, held at ANR College,Gudivada on 27/8/15. Mrs.M.Adilakshmi and Mrs.M.Aruna presented I B.Sc Question Bank of I& II Semesters.

4).Mrs.M.Adilakshmi ,Mrs.M.Aruna Department of zoology attended one day National seminar on “Soft skills for survival and success in career and life” at VSR & NVR College, TENALI on 30/09/15. Mrs.M.Adilakshmi and Mrs.M.Aruna presented papers on “ Soft skills for successful career” and “ Importance of soft skills in Education”.

5).Mrs.Ch.Sarojini lecturer in zoology attended a Two day National workshop on “Instrumentation and Hands on Training in Advanced Biological Techniques” from 07-12-2015 to 08-12-2015, Organized by Departments of Biotechnology, Botany and Microbiology in collaboration with Department of Biotechnology, KL University, Vaddeswaram in Andhra Loyola College (Autonomous) Vijayawada.

6).Mrs.Ch.Sarojini lecturer in zoology attended International Conference on “Recent Advances in Biosciences and Applications of Engineering in production of Biopharmaceuticals and 9th Annual Convention of Association of Biotechnology & Pharmacy” organized by department of Biotechnology at KL University, Vaddeswaram, Guntur Dist from 14.12.15 to 16.12.15. She presented a paper on “Regenerative Medicine-Promises & Constraints”.

7).Mrs.M.Aruna Department of zoology attended National Workshop on “Manuscript preparation for publication in the Indexed Journals of Aquatic sciences” organized by Dept of zoology & Aquaculture at ANU, Guntur from 4th to 8th January 2016.

8).Mrs.P.Bujamma Department of zoology attended an International seminar organized by Dept of Botany at ANU, Guntur from 4th to 6th January 2016. She presented a paper on “Prevalence of *S. aureus* in fin fish and shell fish in domestic fish market of Guntur, AP, India.

20).STAFF AS RESOURCE PERSON

Mrs.Ch.Sarojini Department of zoology delivered a **Guest lecture** on “Nursery pond Management” to BSc.CBZ students of VSR & NVR College, TENALI on 29/09/15.

21) Zoology B.O.S meeting was held on 05.03.16 at 2.00 pm in Zoology staff room.



DEPARTMENT OF ZOOLOGY

SYNOPSIS OF DEPARTMENTAL ACTIVITIES FOR THE YEAR 2016-17

I) NEW ROUND UP PROGRAMME:

Objective: “Each time we read, a seed is sown for the future”

The members of the education club were divided into seven groups to collect the material related to zoology from different news papers and journals and to display in the department notice board daily. This programmed improves the reading habit in a systematic way and also to collect and to interpret the current knowledge with the previous knowledge.

Out come: This programme improves the reading habit in a systematic way and also to collect and to gain current knowledge. Students are able to interpret the current knowledge with the previous knowledge.

2) STUDY TOUR:

35 III B.Sc CBZ students visited Rajiv Gandhi Centre for Aquaculture at Manikonda on 1.7.2016 at 10.30 am under guidance of Mrs.M.Adilakshmi and Ms. P. Bujamma. There, Mr. Appalanayudu, Tilapia project manager explained Tilapia fish culture about the management and breeding techniques. He focused on highlights of genetically improved formed Tilapia (GIFT) i.e Fully pedigree selectively brood stocks, high growth rate, survival rate and reproductive rate, suitable for both low density and intensive culture systems, highly rated flesh quality, now being farmed in 11 Asia- Pacific countries and 2 Latin American countries., Training programs conducted in breeding, seed production and grow out farming Tilapia and providing technical assistance for the establishment of hatcheries and breeding centre's for GIFT.

Out come: Students gained the knowledge of rearing, management and breeding techniques of Tilapia fish culture and freshwater prawn (Scampi) culture. The field trip helped the students to gain the practical experiences, market value and food value of Tilapia fish.



3) POSTER COMPETITION:

In connections with the theme of the year” Safe water to save life” Departments of Zoology conducted a poster competition on “**Rain water harvesting**” for Degree students on 20.07.2016 at 3.30 pm in Old Auditorium. Duration is one hour.10 students were participated in that competition. Mr. A. Sambasiva Rao and Mr.K.Koteswara rao, Officers, Ground water Department,Guntur acted as judges to correct the posters and finalized the prize winners.

Out come: Through this poster competition, drawing skill, creativity, thought provoke and competitive spirit developed among the students



4) WORKSHOP ON “SAVE WATER”

Departments of Chemistry and Zoology organized a workshop on “SAVE WATER” on 23-07-2016. Mr. A. Sambasiva rao and Mr. A. Kotewswara rao ,officers of ground water department, Guntur were the guests. Mr. A. Koteswara rao enlightened the students with his power point presentation as Water is a vital natural resource ,Drinking and domestic, Agriculture, Industries, Navigation and Power generation.He discussed various methods of rainwater harvesting. He explained the hydrological cycle ,water structures, conservation of rain water and recent trends in agriculture like drip irrigation, sprinklers, water sheds, recycling of waste water ctc.Mr. A.Sambasiva Rao explained about safe water. The total dissolved salts must be very less. He also explained the future factors influencing the pollution of ground water and safe measures to control the pollution of ground water . The entire programme was organized by III B.SC CBZ students under guidance of Depts. of Zoology and Chemistry.

Out come: Students came to know the methods of conservation of water and safe measures for



drinking water.

5) FIELD TRIP:

35 III B.Sc CBZ students visited Poultry Farm-Sultanabad & Emu Farm-Angalakuduru on 26.7.2016 at 3.00pm under guidance of Mrs.M.Adilakshmi and Ms. P. Bujamma. Students observed cage system of poultry farming – layers .Single comb, white leghorn layers are rearing in the farm. 4 layers are kept in each cage. Feed channel and tap water system with nipple drinkers are provided. They got information about the management of rearing of layers Students observed rearing of Emu Farm . They got information about the management of emu farm like age of birds, ingredients in feed, water supply, medicines, maturity, egg laying capacity, use of excreta ,marketing, economic importance and net annual income.

Out come: Through this field trip , students came to know the management of Poultry farm and Emu farm and gained practical experience.



6) FIELD TRIP TO FISH POND:

34 III B.Sc CBZ students visited fish breeding center at Kuchipudi and Pedaravuru on 09/08/16 at 1.00pm under guidance of Mrs.M.Adilakshmi and Ms. P. Bujamma. Students observed the process of Induced Breeding in Catla and Labeo, Chinese hatchery, breeding hapa, breeder tank, spawn and fish fry. They came to know the importance of self employment.

Out come: The field trip helped the students to have practical experience. Whatever they learned in the class room, they observed it in the field itself. It also encourages the students to realize the importance of self-employment.



7) INDEPENDENCE RUN RALLY:

The **Ministry of Human Resource Development (MHRD)** decided to celebrate **AJADI 70** (Independence 70) from 9th to 23rd August, 2016. The main objective of this program is to involve the faculty and students to focus on the theme “Yaad Karo Quroboni” (learning about the sacrifices of the great leaders in the freedom struggle). In this connection the management along with the staff and the students participated in **Flag Run Rally** to pay tributes to Martyrs of Freedom Struggle from College to Rana Ranga Chowk, Tenali and concluded with Candle Light March in the college campus on 10th August, 2016. with the memory of freedom fighters.

Out come: Students came to know the sacrifices of the great leaders in the freedom struggle and patriotism is developed among them.



8) ESSAY WRITING COMPETITION:

In connection with Krishna Pushkaralu, Department of Zoology is going to conduct an essay writing competition on “RECENT TRENDS IN AGRICULTURE” at 3.30.p.m in Zoology lab-III pertaining to the theme “**Agriculture**” on 18.8.2016. Duration is one hour.15 students participated in this competition. Mrs.T. Manjulatha, HOD of Botany and Mrs. M. Adilakshmi HOD of Zoology acted as judges to finalize the prize winners.

Out come: Through this essay writing competition, students referred, collected and presented the concerned topic matter which paved the way to enhance writing skills, time management and



competitive spirit.

9) INTERACTION WITH FREEDOM FIGHTERS:

In connection with Azadi Independence Day celebration. M.Adilakshmi HOD of Zoology, Ms.K.Prameela lecturer in Botany and III B.Sc students met the freedom fighters on 20.8.16 and came to know their experiences during freedom struggle. We met Sri. Kanneganti. Venkat Rao who was staying in Ithanagar, Tenali. He shared his experiences in Quit India Movement.7 members were dead during this movement and 7 Pillars were established in Ranaranga Chowk in the memory of their sacrifice to our nation. Then we met Sri.Vajrala Ramalinga Chary who was Gandheeyavadi to run Gandhi Ashram for old age people with free cost. We interacted inmates of Gandhi Ashram.

Out come: Students came to know the social awareness and to develop social responsibility and service motto in them through this visit.



10) ELOCUTION COMPETITION:

In connections with the theme of the year” Safe water to save life” Departments of Zoology conducted an essay writing competition on “**Safe measures for drinking water**” for Degree students on 26.08.16 at 3.30 pm in IQAC room . Duration is seven minutes. 15 students were participated in this competition. Mrs.T.Manjulatha, HOD of Botany ,Mrs. P.M.Padmala, HOD of Maths and Mrs.M.Adilakshmi, HOD of Zoology were acted as judges and finalized the prize winners.

Out come: Through this competition, leadership quality, thought provoke and competitive spirit developed among the students.



11) CELEBRATION OF NON-TEACHING STAFF DAY:

Department of Zoology celebrated NON-TEACHING STAFF DAY on 06/09/16 at 3.30pm in the old Auditorium. In this connection, Department of Zoology conducted House and Last One In The Circle games for Non-Teaching Staff on 1/9/16. Prizes were distributed to Prize winners on this day by our Correspondent Rev.Sr.Stella Maris.

Out come: Management felicitated Non- Teaching Staff who rendered 25 years of their service.



12) FEEDING THE HUNGRY:

Departments of Zoology, Botany and Home Science have participated in the programme of “FEEDING THE HUNGRY” at Gandhi Ashram .Under this programme ,inmates of Gandhi Ashram, Tenali were served food on 9th September 2016.The Ashram was founded by Sri.Vajrala Ramalinga Chary, a freedom fighter , accommodating 25 members. All of them are senior citizens provided with free accommodation, food and other facilities.

Out come: students enjoyed serving food for the inmates and learnt many new things from their experiences during interaction and serving.



13) REGIONAL LEVEL STUDENT SEMINAR:

Departments of Botany & Zoology in collaboration with Botany department of Andhra Loyola College, Vijayawada organized MHRD sponsored one day Regional level student seminar on the topic “*SCOPE OF BIOLOGY & FUTURE CHALLENGES*” on **17.09.2016** in MBA seminar hall of J.M.J.College. **Prof. S. Krupanidhi**, Head of Bio-technology department, Vignan

university explained about cytokines which are communicate molecules that regulate intensity on duration of immune response. **Dr.K. Sasikala** Asst. Professor, Horticulture University gave a talk on weed and water management in Horticultural crops. Afternoon **Father Melchoir**, vice principal, Andhra Loyola College explained about job opportunities for Biology students with live illustrations.

Out come: Student learned to organize seminar and hosting the participants. Co- operation and team work spirit, self confidence, competitive nature were enhanced in the Students. They gained the knowledge about cytokines, weed and water management in Horticultural crops and job opportunities for Biology students.



14) ONE WEEK NATIONAL WORKSHOP:

Ms. M. Adilakshmi, Co-ordinator IQAC acted as Organizing secretary to conduct one week national workshop on “**Emerging trends and challenges to enhance quality in higher education**” at JMJ college for women, Tenali from 1.11.16 to 7.11.16. **181 participants** consists of lecturers, Associate Professors and Research Scholars from different regions like Central University of Hyderabad, Visakhapatnam, East and West Godavari districts, Guntur, Krishna, Nellore and Prakasam districts have attended the workshop. In these 7 days 17 lecturers on different areas of higher education are given by eminent scholars.

Out come: 7 day workshop has created good awareness among all the participants on “**Emerging Trends and Challenges to enhance quality in higher education**”.



15) VISIT TO ASRAYA AT GOVERNMENT HOSPITAL:

Botany, Zoology and Home science departments together visited Asraya in Government hospital, Tenali on 5th November 2016. Four faculty Ms.T.Manjulatha, Ms.K. Prameela, Ms. P. Hemalatha and Ms. P.Bujjamma. along with seven students participated in the programme. Asraya is a wing in Government hospital where mentally handicapped people are taken care off.

Nearly fifteen inmates are present. We provided lunch for them and interacted with them. Students served food with love and compassion.

Out come: On seeing the pathetic state of the inmates, students realized that they should not murmur for any thing in life instead they should be thankful to God for having good physical and mental health.



16) GUEST LECTURE:

Department of Zoology was organized a guest lecture on “MAINTENANCE ON KITCHEN, GARDEN AND HEALTH CARE” for III B. Sc. (C.B.Z) students on 29.11.2016 at 3.00 pm in the I.Q.A.C room. Mrs. K.Nirguna, lect. in chemistry was the resource person. She gave a detailed information about the types of plants are cultivating. She gave some tips to get rid off some health problems like gas trouble, inflammation, acidity, anaemia and constipation. She showed a video about the effects and health problems for the excessive use of chemical fertilizers and pesticides in Punjab state.

Out come: Students came to know the maintenance on kitchen garden and health care.



17) SCHOOL EDUCATION PROGRAMME:

Objective :“Learn to teach and Teach to learn”

Ms.P.Anjali Kaveri,Y.Sruthi,G.Jyothi, explained the “FOOD FROM ANIMALS” for VIII class students of A/S &B/S and G.Vijayalakshmi and Ch.Mounika explained the “ADAPTATIONS IN ECOSYSTEMS” for IX class students of A/S &B/S with the help of charts , models and PPT. under guidance of Ms. M.Adilakshmi and Ms.P.Bujjamma on 2.12.16 from 2.00 to 4.30 pm at KSM High school, Tenali. Students were observed very enthusiastically and felt very happy for the opportunity they got.

Out come: Our students learned how to learn, how to guide and how to motivate the students by handlings the class. They gained the practical experience and understanding the behavior of students.



18) SALIDORITY DAY -SALES MELA:

Objective:To help to poor student education

All the Heads of the departments including Principal and Correspondent had decided to conduct **Sales Mela** for Inter and Degree students on 3rd December 2016 from 9.30am to 4.30pm In this connection Department of zoology and Botany have decided to arrange vegetable biryani and chicken curry for the students and also to the teaching and Non-teaching staff. The cost of each BIRYANI plate is Rs.50/ and CHICKEN CURRY is Rs.50/.On that day we gained the profit was Rs.4500/- which was handed over to the principal.

Out come: The profit gained in the sales mela is contributed to the ST TRIBAL students of KONDRAMUTLA. Students developed the service motto.



19) ENDOWMENT LECTURE:

Objective: To be aware of Anaemia

Arranged an Endowment Lecture on 20.12.16 in loving memory of Mrs.K.Emma Mary, Late Former Lecturer in zoology on " BLOOD DISEASE-, ANEAMIA, THE SILENT KILLER". Dr. K. DANIAL. Assistant professor, Department of Zoology, J.K.C college, Guntur gave a detailed information about the anaemia i.e. definition, scenario, blood composition, types of anemia causes of anemia, signs and symptoms of anemia, diagnosis and treatment of anemia, type of food to be taken and to over come deficiency of minerals and vitamins.

Out come:.Students were enlightened that the type of food to be taken and to over come deficiency of minerals and vitamins.



20) The Faculty of Zoology Department donated money, sarees, bed sheets and bath soaps to The Little Sisters of Poor who maintained old age home at Nambur on 23.9.16



21) STAFF AS PARTICIPATION AND PRESENTATIONS IN SEMINARS

1. Ms. M. Aruna attended the one day workshop on “Scopus – Research Management and Publishing Tool” “it was conducted by the Acharya Nagarjuna University, Guntur on 13.6.16.

2. Ms. M. Adilakshmi and Sr. Amul Mary were visited the St. Theresa’s College for Women, Eluru for Celebration of Graduation day on 15.6.16.

3. Ms. M. Aruna attended to the two day workshop on Research Methodology and Data Analysis- SPSS” conducted by the Acharya Nagarjuna University, Guntur. From 4.7.16 to 5.7.16

4. Ms. M. Aruna attended the one day workshop on “Patenting for Beginnees” conducted by the Acharya Nagarjuna University, Guntur. on 29.7.16

5. Ms. M. Adilakshmi and Ms. M. Aruna attended national seminar on” Moving towards choice based credit system in Higher education – A road map” held at St. Theresa’s college, Eluru from 18.8.16 to 19.8.16 and presented a paper on “Role of ICT in the process of teaching and learning”.

6. Ms. M. Aruna attended the national seminar on “Recent trends in Nanotechnology and Aquaculture Technologies” and presented a paper on “Effect of probiotics on water quality parameters growth and survival of freshwater fish *Catla catla*, *Labio rohita* and *Ctenopharyngodon idella* under padyculture system at Machilipatnam, Krishna Dt., AP. This seminar was conducted by the Department of Fisheries Science and Aquaculture, SVU, Tirupati, from 18.8.16 to 19.8.16

7. Ms. M. Adilakshmi attended to the convention of Minority Educational Institutions on the new national educational policy-2016, it was conducted by the A.L College, Vijayawada. On 25.8.16

8. Ms. M. Adilakshmi and Ms. M. Aruna attended to the two days national seminar on “Emerging trends in environment and sustainable development” held at AL college, Vijayawada from 2.9.16 to 3.9.16. Ms. M. Adilakshmi and Ms. M. Aruna presented papers on “Biomedical waste management “ and “Sewage & industrial effluents treatment methods” respectively.

9.Ms.Ch. Sarojini attended the seven days workshop on “Curriculum reforms to enrich quality in Higher Education” conducted at VSR&NVR College, Tenali. From 7.9.16 to 13.9.16

10.Ms. M. Adilakshmi and Ms. M. Aruna attended two days national seminar on “Advances in the synthesis of nanomaterials and their multi dimensional applications in chemicals and Bio-Sciences” and presented a paper on “Applications of nonmaterials in water treatment” held at AL college, Vijayawada. From 14.9.16 to 15.9.16

11.Ms. M. Adilakshmi and Ms. M. Aruna attended to the NAAC sponsored two days workshop on “Prevention of SSR for Assessment and Accreditation” conducted by college development council (CDC), Acharya Nagarjuna University, Guntur. From 26.9.16 to 27.9.16.

12.Ms. M. Adilakshmi attended two days national seminar on “Promotion of ethics and human values held at St.Joseph’s college of education for women,Guntur from 29.9.16 to 30.9.16 and presented a paper on “The role of human values and ethics in professional life”

13.Ms. M. Adilakshmi, Co-ordinator IQAC acted as Organizing secretary to conduct one week national workshop on “Emerging trends and challenges to enhance quality in higher education” at JMJ college for women, Tenali from 1.11.16 to 7.11.16

14.Ms.Ch. Sarojini acted as Resource person to deliver an invited talk on “Challenges and solutions in higher education” in one week national workshop on “Emerging trends and challenges to enhance quality in higher education” organized by IQAC , JMJ college for women, Tenali from 1.11.16 to 7.11.16, on 3.11.16.

15.Ms. M. Aruna attended one week national workshop on “Emerging trends and challenges to enhance quality in higher education” at JMJ college for women, Tenali from 1.11.16 to 7.11.16

16.Ms. M. Adilakshmi, Ms. M. Aruna and Ms.Ch. Sarojini attended one day **Inter national workshop** on “Application of computer science in USA higher education” by Dr.Bhaskar Prabhala,Pennsylvanian University, USA organized by Dept. of Computer science, JMJ College for women,Tenali on 14.12.16.

17.Ms.Ch. Sarojini attended three day **Inter national conference on**” New approaches in agriculture, food and environmental sciences” held at AL college,Vijayawada on 22nd to 24 th December 2016 and presented a paper on “Production of Biocomputers for human welfare”

18.Ms. M. Adilakshmi and Ms. M. Aruna attended two day national seminar on ”Microbial technologies for sustainable environment” held at GCW ,Guntur on 24th and 25th January 2017, presented papers on “ Role of microorganisms in Biodegradation and Importance of microorganisms in Agriculture”

19.Ms. M. Adilakshmi, Ms. M. Aruna Ms.Ch. Sarojini, and Ms. Bujjamma attended two day national seminar on”Emerging trends in life sciences” held at JMJ College for women, Tenali on 27th & 28th January 2017, presented papers on “ Threats to aquatic biodiversity” “ Applications of biotechnology”, Butterflies diversity of Angalakuduru, Andhra Pradesh ” and “A role of Biotechnology in Aquaculture” respectively.

22).PUBLICATIONS:

1.Ms. M. Adilakshmi and Ms. M. Aruna published a paper on“ Threats to aquatic biodiversity” in national seminar on”Emerging trends in life sciences” held at JMJ College for women,Tenali on 27th & 28th January 2017, with ISBN No-978-93-85101-52-6

2.Ms. M. Adilakshmi and Ms. M. Aruna published a paper on” Biofuels from Algae” in national seminar on “Smart Materials” held at JMJ College for women,Tenali on 30th Nov and 1st December 2016, with ISBN No- 978-93-85100-75-8

23)STAFF ACTED AS RESOURCE PERSON:

1. Ms. M. Adilakshmi gave a guest lecture on “How a lecturer has to prepare for class and how to write a lesson plan, teacher’s diary and annual plan” at Morning Star Degree college, Phirangipuram on 25.7.16



2. Ms. Ch. Sarojini acted as Resource person to deliver an invited talk on “Challenges and solutions in higher education” on 3.11.16 in **one week national workshop** on “Emerging trends and challenges to enhance quality in higher education” organized by IQAC, JMJ college for women, Tenali from 1.11.16 to 7.11.16.

3. Ms. Ch. Sarojini gave a faculty forum lecture on “Animals alluded in the Bible” on 1.9.16 to faculty of JMJ College for women, Tenali.

4. Ms. Ch. Sarojini gave a talk on examination pattern to Degree students in “Parents Meet” on 19.12.16.

5. Ms. Ch. Sarojini gave a talk on “The spiritual development for getting peace and joy in our life” to inmates of Sub- Jail, Tenali on 21.12.16.

6. Mrs. Ch. Sarojini, controller of Examination, speaking about examination reforms done in the last 5 years and the benefits of autonomy to the Alumnae on 10.01.2017.





ACADEMIC AUDIT ON 4.1.17(K.L.C. DEVI & Dr. L. SRINIVASARAO)

