

Ch. S.D. St. Theresa's Autonomous College for Women, Eluru

DEPARTMENT OF ZOOLOGY

Annual Report - 2016-17



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Annual Report, 2016-17

The college reopened on 9th June 2016.

- The college activities started with Sr.principal's meeting on 9th June 2016 to the staff.
- 13-6-16-Reopening for students. From 13th June, regular classes for II & III year Students were started. Head of the department Dr. R. Indira distributed the **work load** to the departmental members.

Paper I-- I B.sc - Dr. K. Madhavi Rani & N.L. Prasanna

Paper II-- II B.sc - Dr. R. Indira & Mrs.K.Nirmala

Paper III, III B.sc - Dr. R. Indira & Mrs.N.L. Prasanna

Paper IV, III B.sc - Dr.K.Madhavi rani & Mrs.Nirmala

The **semester end results** for II, IV, and VI semesters- March-2016

IV paper – 100%

III paper- 100%

II paper- 100%

I paper- 93.1%

I B.Voc-100%

Student strength: Academic year 2015-2016

III B.sc - BZC - 51

ZNC - 30 – (Total-81)

II B.sc - BZC - 65

ZNC - 49- (Total-114)

I B.sc - BZC - 67

ZNC - 54- (Total-121)

III B.Voc - 8

II B.Voc- 17

I B.Voc- 15

The Semester End Result for I, III, V semesters - October -2016

IV paper – 100%

III paper- 96%

II paper- 70.37%

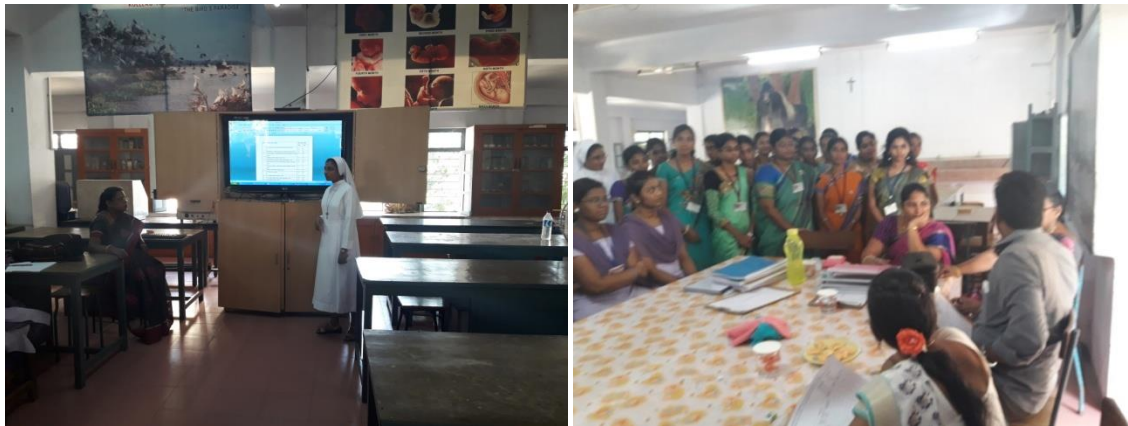
I paper- 86.29%

Student projects:

Project work was allotted to final year students.(register numbers from 131740-140758,131703,131720.)

A project work on “ Potable water analysis of Government schools of Eluru, W.G.Dt”.

2-11-16-project viva on “ Potable water analysis of Government schools of Eluru, W.G.Dt”.



Externals: 1.Mr.B.Ranjit kumar,JRF, DST project, SWAN centre,Dept of civil engineering,
Sir C.R.R.Autonomous college of engineering, Eluru.

2.Mrs.Hymavathi Dept of MBA.

3.Mrs.Sailaja Department of ARTS.

18-3-2017-Project viva for III BVOC on “Age Determination by scale method”.

Externals: 1.Mrs.Soundharya state fisheries Department

2.Ramu,Father Fazzoli memorial Hospital



Changes in the Syllabi:

- It is resolved to continue the same syllabi for III year students for all papers for the academic year 2016-2017.
- It is resolved to introduce New syllabi of ANUR – November 2016 for the 1 year –I & II Semesters for the academic year 2016-2017 with some changes.

Remedial Classes:

- The syllabus was completed for all classes as per the schedule and revised with model question papers & revision tests.

Activities of Staff:

- 21-6-16- Dr.R.Indira gave a talk on “Eco club” to Ist year students during orientation programme.



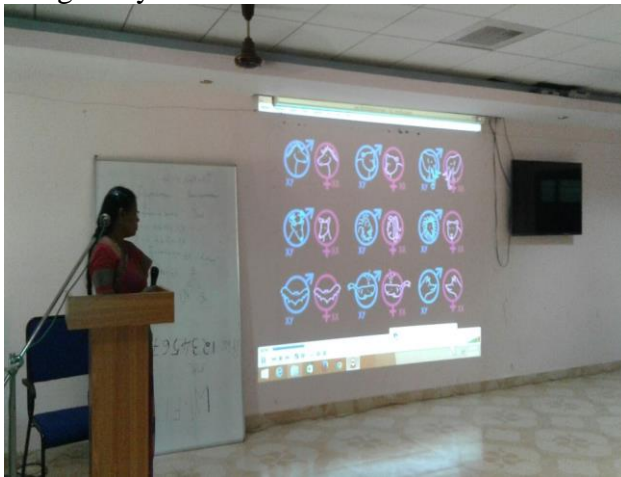
- 28-6-16-Dr.K.Madhavi Rani along with “TTIPS committee” organized a training programme for junior lecturer of less than 3 years of experience.



- Recycling unit: Dr.R.Indira and Dr.k.Madhavi Rani trained in Paper recycling unit in the college campus.



- 26-10-16-Dr.R.Indira gave a demonstration class on sex determination to junior staff arranged by TTIPS committee



- 25-10-16-27-10-16 Dr.K.Madhavi Rani along with TTIPS committee organized demonstration & model classes to Junior staff.



- Dr.k.Madhavi Rani appointed as external to Microbiology.
- Mrs.N.lakshmi prasanna appointed as external to physics and Electronics.
- Mrs.G.suneetha appointed as external to Telugu.

- 12-11-16-department members attended a carlo memorial lecture.
- -21-2-17-Dr.R.Indira gave a training programme to Dwakra women organized by women Studies centre.



- 23-2-17-Dr.R.Indira & Mrs.Nirmala along with students underwent training on the installation of puraseva App by municipal authorities.



Papers published:-

- Dr.R.Indira published a paper on “ Role of Immunex Ds as immunostimulant on the biochemical response in Labeo rohita (Hamilton) during aeromoniasis .
- Dr.R.Indira published a paper on “ Use of immunostimulants to improve the water quality in Aquaculture systems: Histopathological studies on the effect of immune Ds and H-Treat treated fish Labeo rohita during Aeromoniasis in **International Journal of Education and Applied Research-IJEAR vol.6 (2)-2 pg. 35-37.**
- Dr.R.Indira , Dr.K.Madhavi Rani, Mrs.N. L. Prasanna and G.Suneetha published a paper on “A study on Body mass index among college students and its association with anaemia and hypertension.” In **Indian Journal of Public health & Research Development (IJPHRD)**
- Use of Immunex DS as Immunostimulant for the sustainable Aquaculture systems: A study on biochemical response in Labeo rohita (Hamilton) during Aeromoniasis. in the **proceedings of National Seminar on Energy and Ecology, 2016 ISBN: 978-93-86251-20-6 Pg. No. 456-463.**
- Dr.R.Indira published a paper in the **proceedings of “ International Conference on Sustainable Tourism”** on “ Pros and Cross of Tourism Industry in India

Papers presented:-

- **On 22-9-16&23-9-16 Dr.R.Indira presented a paper on “soil contamination acts as a tool for protozoan infections in the people of slum area Vangayagudem, Eluru in a chemistry National seminar on “Environmental protection and sustainable development issues and challenges” organized by sir.C.R.R.Autonomous college, Eluru.**
- Dr.R.Indira Presented a paper on “Use of Immunex Ds as immunostimulant for the sustainable Aquaculture systems: A study on biochemical response in Labeo rohita (Hamilton) during aeromoniasis

- Dr.R.Indira presented on “ Use of immunostimulants to improve the water quality in Aquaculture systems: Histopathological studies on the effect of immune Ds and H-Treat treated fisfh Labeo rohita during Aeromoniasis in Nationa Seminar on Drinking Water Quality in Rural India: Challenges and Remedies on 21-12-2016 & 22-12-2016.
- 4th & 5th Jan.: All members presented a paper on “ Vermicomposting Unit in St,Theresa’s Autonomous College for Women, Eluru”. a National seminar on” Innovative Research in Food and commercial crops for sustainability and challenges” organized by Dept. pf Botany, Nutrition and Research wing.
- Dr.R.Indira presented a paper in the “ **International Conference on Sustainable Tourism**” on “ Pros and Cross of Tourism Industry in India

Workshops Organized:

- **30-7-2016-** A Work shop organized on “**The Scope of ANCS**” (Animal and Nature Conservation Society) by the Mr.Sai, Secretary; Mr.Bhanu, Vice Secretary;Mr.Nagarjuna, Treasurer gave awareness on the role of students for the protection of animals. About 40 students registered as members in the association.





Workshops attended:

- 14-11-16- department members attended work shop on “BHUVAN Familiarization by NRSC/ISRO organized by the department of physics & Electronics.

Seminars attended:

- **18-8-2016 & 19-8 2016-** Dr.R.Indira and Dr.K.Madhavi Rani attended a National seminar on “moving towards choice based credit system (CBCS) in higher education- a road map” organized by IQAC, sponsored by NAAC at STC.
- 18-8-2016-24-8-2016- Dr.R.Indira and Dr.K.Madhavi Rani participated in 7 Day workshop on “ Quality improvement in higher education under faculty enrichment programme at Sir CR Reddy Autonomous College, Eluru in collaboration with ANUR.
- 2-9-2016 & 3-9-2016- Dr.R.Indira and Dr.K.Madhavi Rani participated in a two days DBT – sponsored National seminar organized by the department of Botany, Biotechnology and Microbiology, Andhra Loyola college, Vijayawada.
- 22-9-2016-23-9-2016- Dr.R.Indira and Dr.K.Madhavi Rani participated in National Seminar on “ Environmental Protection and Sustainable Development Issues and Challenges” organized by the Dept.s of Chemistry, Botany and Zoology , Sir. CRR Autonomous College, Eluru



- 4-10-16 – 5-10-16- RI & KMR attended a two day National seminar on Energy& ecology “sponsored by UGC organized by sir.C.R.R. Autonomous college, Eluru, Dept of physics.
- Dr.R.Indira and Dr.K.Madhavi Rani attended a National Seminar on Drinking Water Quality in Rural India: Challenges and Remedies on 21-12-2016 & 22-12-2016.
- 4.1-2017 & 5-1-17 : all members attended a National seminar on” Innovative Research in Food and commercial crops for sustainability and challenges” organized by Dept. of Botany, Nutrition and Research wing.
- 23-3-2017: All the members attended a Workshop on “World Water Day 2017 – Why waste water” on the eve of World water day organized by APPCB, West G.Dt.



Autonomy review committee visit:

- On 8-12-16 & 9-12-16 –Autonomy review committee visited our department.



BOS:

- 17-6-2016- Dr.K.Madhavi Rani attended BOS meeting as University nominee at Ideal College of Arts & Science , Kakinada, E.G.dt.



- 1-7-2016-Dr.R.Indira, attended subject expert for Zoology in BOS meeting at KBN College, Vijayawada, Kakinada, E.G.dt.

- 8-7-2016- Dr.K.Madhavi Rani, attended as subject expert for Environmental Studies in BOS meeting at KBN College, Vijayawada, Kakinada, E.G.dt



- 14-7-2016- Dr.R.Indira, attended subject expert for Zoology in BOS meeting at Sir CRR College, Eluru, W.G.dt.
- 30-7-16- Dr.K.S.V.K.S. Madhavi rani attended BOS meeting as University nominee at VSM Autonomous College, Ramachandra puram ,E.G.dt.



- 8-3-16- Dr.K.S.V.K.S. Madhavi rani attended BOS meeting as University nominee at Ideal college of Arts and science Autonomous College.



- 4-3-16-B.O.S.Meeting was organized for Zoology department ,.prof.A.Matta reddy garu, ANUR was the university nominee.Mr.K. Visweswara rao garu Lec.Dept.of Zoology ,Sir.C.R.R.autonomous college, eluru,Mr.D.Ganesh M.D.Venus Aqua lab, Eluru was the Subject experts.



- 4-3-16-B.O.S.Meeting was organized for BVOC , **Mr.Anjan kumar, MLT Technician Ramesh hospital Vijayawada** was the subject expert.



Faculty as Academic Council member:

- 20-6-2016- Dr.K.Madhavi Rani attended Academic council meeting at SKSD Mahila Kalasala, Tanuku, W.G.Dt.
- 7-9-2016- Dr.K.Madhavi Rani attended Academic council meeting at SKSD Mahila Kalasala, Tanuku, W.G.Dt.



Memberships:

- **8-7-2016-ANCS:** Dr.R.Indira , Dr.K.Madhavi Rani, participated as members in Logo launching programme on “ Animals and Nature Conservation Society(ANCS)” BY District Collector Sri Katamaneni Bhaskar



30-1-2017: II and I year students participated a rally and received best rally award and also students received essay writing and elocution competitions on Animal welfare topic on the eve of Fort night celebrations of Animal welfare society. Students received prizes from dt. Joint collector.



Knowledge Extension:

- 30-6-16- III Bsc Bzc students presented a knowledge extension programme on “National parks of India” under the guidance of ward tutor Mrs.N.Lakshmi prasanna
- 14-07-2016: III ZNC students presented an Extension programme on “**Uninvited Guest of our Body**” under the Guidance of ward tutor **Dr.K.Madhavi Rani.**
- 21-07-2016: III BZC students presented an Extension programme on “**Parental care in Animals**” ” under the Guidance of ward tutor **Mrs.K.Nirmala.**



Field Trips:

- 1-9-2016- B.Voc CALT students taken to field trip to Sriparru to give practical knowledge on Fish farming, management of fish farms, fish harvesting



- **25-11-16-** III BSC students taken to field trip to Atapaka and a Aqua pond to give practical knowledge on Fish farming, management of fish farms, fish harvesting.

Mega Health Camp: 27th & 28th July 2016: Anaemia eradication programme :

- Mega Health camp conducted in association with the ASRAM hospital for all students, faculty, supporting staff of our college. 15 doctors and 15 technicians came from General Medicine, Ophthalmology, ENT, Dermatology, Gynecology, Dental etc.
- About 1100 students and faculty, supporting staff benefited.
- Dr.Sr.Mercy, principal, Sr.Showrilu Vice principal, Sr.suneela Rani controller of examinations, Sr.Magdhalene, warden visited and wished the Department members and Doctors .



NSDC EXAM:

- **21-7-2016-NSDC Exam for III B.Voc. Students by Mr. Madhukar from Hyderabad, Mettl and Mr. Anjan kumar, Ramesh hospital Vijayawada.**



- **7-3-2017-NSDC Exam for III B.Voc. and II B.Voc Students by Mr M. Ramprasad from Hyderabad, Mettl company and Mr M.Anjan kumar, Ramesh hospital Vijayawada.**



Student Activities:

Campus Drives:

- **7-11-16-III BSC** students attended campus drive at sir.C.R.R. Engineering college” Vee technologies” accompanied by Mrs.K.Nirmala.

Awards:

- **J.pushpa keerthi IIBZC, sk.Aaisha,III BZC** received **prathibha awards** from C.M, AP state on 15-10-2016 at Indira Gandhi Municipal stadium Vijayawada.

Learning Methodology:

- Students are learning their subject in detail and with audiovisual mode through videos for every topics in all papers.



Virtual labs installed in the Zoology lab:

Soft ware on Virtual labs (Animal dissections/genetics/physiology experiments/assessments) were installed for 5 systems in the Zoology lab. The II year and I years students are doing their practical trough virtual labs.



Guest Lectures:

7-7-16 “Preventive Strategies of Diabetes ” by Dr. K. Chandra Sekhar, professor, ASRAM Medical college, Eluru.



- “Mr.Madhukar, Mettl, Hyderabad, Assessor gave a talk on “ NSDC-Vocational Courses” to II BZC students.



- 7-9-2016- Dr.Vinod., Senior Scientist (Fisheries), Ministry of Agriculture, Mumbai gave a talk on Career Opportunities in Aquaculture.

7-9-2016-Dr.Jhansi, Lecturer in Zoology, Mumbai gave a talk on career opportunities in Zoology

- 13-9-2016 – D.Lumbini Devi gave a guest lecture on “ Transgenesis” for III BZC and ZNC students.
- 19-9-2016-Mrs. Lumbini , Lecturer in Applied sciences gave an extension lecture on Biotechnology to the III B.Sc students
- 2-11-16- - Mr.B.Ranjit kumar,JRF, DST project, SWAN centre,Dept of civil engineering,

Sir C.R.R.Autonomous college of engineering, Eluru gave a guest lecture on “water Quality”.



- 7-3-2017: Mr.M.Ram Prasad gave an Awareness talk on NSDC to II and III B.Voc students.



Department Faculty as Resource Persons:

- 15-11-16- Dr.R.Indira gave an awareness programme on “ Economic Zoology” under Enterpreneurship programme to women cell students.



- 23-11-16-Department organized an awareness programme on “ online transaction” to III BSC Students.



- 28-11-16-Mrs.Nirmala gave an awareness programme on “ online banking” to III BSC Students.

- 17-12-15-Dr.Madhavi Rani gave a guest lecture on “Premarital Counselling” to II & III BSC Homescience students.



Extracurricular activities:

Eco club:

- **Vanam Manam programme.**
- **29-7-2016:** Vanam Manam Programme: Dr.Sr.Mercy ,principal, Mrs.Bhrameswari madam, Eco club staff members and student members participated and planted few plants in the campus infront of Asha kiranam.
- The student members and faculty participated and organized vanam manam by plantation of 170 saplings in the campus and sriram nagar area. About 1000 samplings distributed to the students



Municipality Project on Swachh Survekshan:

On 9-1-2016 , the students and faculty actively engaged and conducted awareness programmes in 13 slums of Eluru corporation under Swachh Survekshan.

They gave awareness on communicable diseases, personal hygiene, environmental hygiene and solid waste management through role plays, songs, talks etc.





Achievements:

Internship:

- From 17-2-2016 to 4-3-2016 I B.Voc students went to “Eco Aqua Microbiology Lab”, Eluru for Internship.
- From 17-2-2016 to 4-3-2016 II B.Voc students went to Fr.Pajjoli Memorial Hospital, Good Samaritan Cancer Hospital , Vangayagudem and Primary Health centers, Chintalapudi, Tadepalligudem etc. for internship



On job Training in Deepak Nexgen Feed Company, Bommuluru:





Student Exchange Programme:

- **III BZC project students trained and worked in potable water analysis at SWAN Centre, Sir CRR Engineering College, Eluru**
- **III BZC students trained in potable water analysis at RWS Department, Eluru (Rural Water Supply).**
- **II BZC students trained in Sericulture unit at Vegiwada**



Celebrations:

- 25-7-2016-St. Ann's Feast: St. Ann's Feast was celebrated. The students of III BZC presented "the life of St. Ann" through a skit.



Future Plans of the Department:

- Research Centre/Guide ships (applied)
- From Lab to Land Activity-
 - Consultancy of Fish pathology, Nexgen feeds and Immunostimulants to Aqua farmers
 - Collaborative programmes with Forest Department
 - Interdisciplinary Collaborative projects on Sericulture and Poultry Science
 - Awareness activity on the importance of Emu meat and Emu farming, Apiculture, Sericulture, Spirulina