

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

DEPARTMENT OF ZOOLOGY

Annual Report, 2017-18



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DEPARTMENT OF ZOOLOGY

Annual Report, 2017-18

- The college reopened on 1st June 2017.
- The college activities started with Sr. Principal's meeting on 1st June 2017 to the staff.
- 5-6-17-Reopening for students, 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 III-- II B.sc - Dr. R. Indira & Mrs.K.Sahithya

Paper V, III B.sc - Dr. R. Indira & Dr. K. Madhavi Rani

Paper VI, III B.sc - Dr. R. Indira, Dr.K.Madhavi rani & Mrs.N.L. Prasanna

Results:

The semester end results for II, IV, and VI semesters- March-2017

IV paper – 100%

III paper-100%

III paper- 99.10%

II paper- 97.52%

I B.Voc-100%,100%,100%

The Semester End Result for I, III, V semesters - October -2017

VI paper –100 %

V paper- 100%

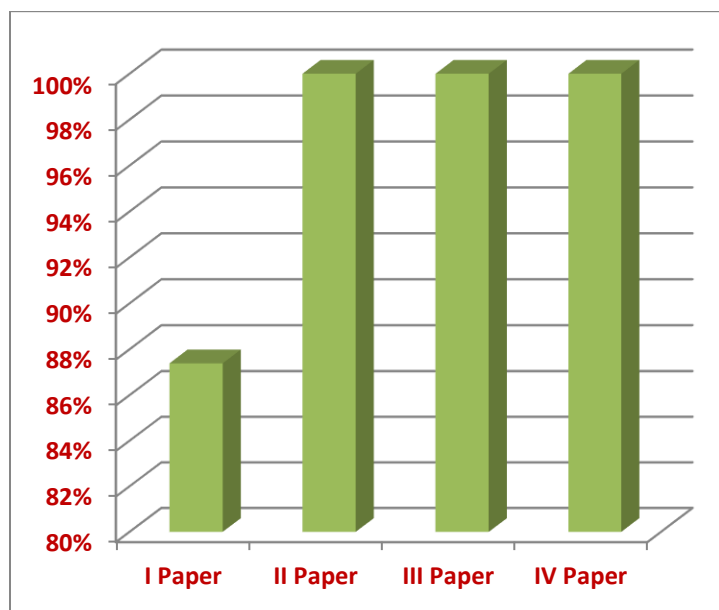
III paper-100 %

I paper- 87.39%

I B.Voc-100%, 92.3%, 100%

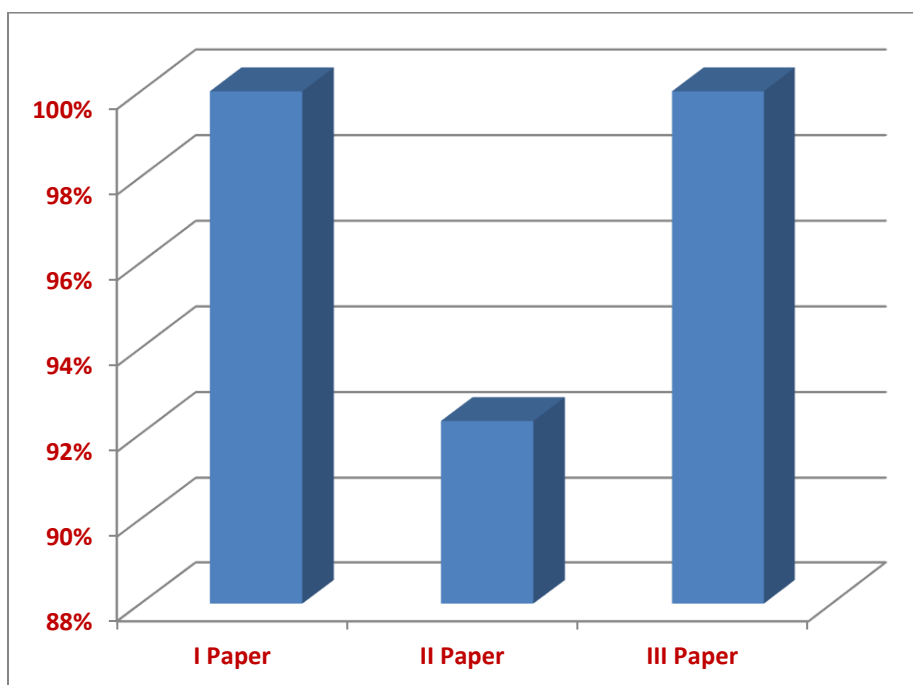
ZOOLOGY RESULTS - OCTOBER- 2017-2018

B.Sc - I, III & V SEMESTERS



ZOOLOGY RESULTS - OCTOBER- 2017-2018

B.Voc CALT - I SEMESTER (Aqua Papers)



Student strength: Academic year 2017-2018

III B.sc - BZC - 67
 ZNC - 47– (Total-114)

II B.sc - BZC - 65
 ZNC - 55 - (Total-120)

I B.sc - BZC - 71
 ZNC - 48 - (Total-119)

I B.Voc- 13

NAAC VISIT:

- On 22nd and 23rd September,2017, NAAC Peer team members visited the college. Prof. Bharathi Roy, Chair person, Prof. Mamatha Sathapathi, Member Secretary, Prof.Zeenath Ara, member visited our department and interacted with the faculty and students. They also visited Museum, Spirulina Culture, Vermicompost Unit and appreciated the department.



Student projects:

- Project work was allotted to final year students(register numbers from 151700-151724,131721,141708.)

A project work on

1.A study on environmental hygiene in selected slums of Eluru Municipal Corporation for Swachh Sarvekshan

2.A study on Personal hygiene among the selected slums of Eluru Municipal Corporation for swachh sarvekshan

3.A survey and awareness on Prevalence of communicable diseases in selected slums of Eluru Municipal Corporation

-Department also submitted their project results and awareness camp report to Sri. Sai Srikanth, Commissioner of Eluru Municipal Corporation

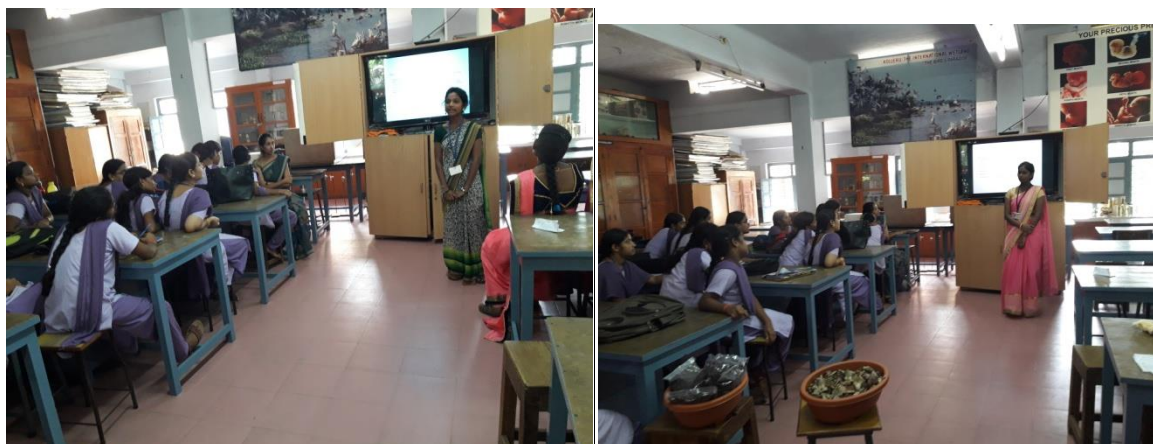
4. A Study and maintenance of Vermi compost unit in St. Theresa's Autonomous College for Women, Eluru

Project viva:

Project viva conducted for III B.Sc students(BZC, ZNC & B.Voc-CALT) on 8th July 2017 at Zoology Lab.

Externals-

Mrs. Vijaya Prasadini, Potable Water Quality Coordinator, RWS Department was external examiner, Mrs. Lakshmi Prasanna, Lecturer in computer Science, Mrs. Anuradha, Lecturer in Chemistry department and Dr.R.Indira, Zoology department were the internal members.





Changes in the Syllabi:

Basing on the new syllabus instructed by ANUR & APSCHE the following papers are followed with CBCS & Cluster system

- I B.sc-I semester I-Animal Diversity-Non Chordates
- I B.Sc-II semester-II- Animal Diversity-Chordates
- II B.Sc-III semester-III-Cytology, Genetics & Evolution
- II B.Sc-IV semester-IV-Embryology, Physiology & Ecology
- III B.Sc, V semester Paper V- Animal Biotechnology,
- III B.Sc-V semester -Paper VI- Animal Husbandry
- III B.Sc VI Semester-Paper VII –Immunology
- III B.Sc VI Semester-Cluster Paper VIII 1 –Principles of Aquaculture
- III B.Sc VI Semester-Cluster Paper VIII 2 Aquaculture Management
- III B.Sc VI Semester-Cluster Paper VIII 3: Self study-Clinical Technology

Remedial Classes:

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

Activities of Staff:

- Dr.R.Indira,HOD,co ordinator of Eco club made all the staff and students to take an oath related to environment.



- On 18th September,2017,Dr.R.Indira ,H.O.D ,Dr.K.S.V.K.S.Madhavi Rani from the Department of Zoology attended a meeting on “Kishora Vikasam” at District Collect orate office in the Joint Collector’s chamber. Project Director of Women and Child Welfare Department discussed the plan of action. it is a government programme .In the first phase, awareness will be created at institution level, then village level, then district level by involving the II B.Sc. students. The departmental members are the resource persons. Topics were allotted.

Kishore vikasam-programme

- **on 8th Nov. 2017 – 12th Nov. 2017.**

KISHORE VIKASAM is a programme arranged by the State Government through Women and Child Welfare Department to take up awareness to the Adolescent girls of 12-18 years of age group on different teenage problems.

- **Training to the PGTs (Peer Group Trainers):** On 8th Nov. 2017 a training programme was given to 84 student volunteers from II BZC, ZNC, MBN and Home Science. They have registered by Women and Child Welfare Department.
- Inauguration of the Kishore Vikas Programme conducted on 8th Nov. 2017 at 9.30AM, Sri.Sharif, JC was the Chief Guest. He motivated the PGTs to send the message to the adolescent girls in a positive way. Mrs.S.Vidyavathi, PD-DW &CDA WAS THE Guest of Honour addressed the PGTs and shared her experiences with adolescent girls. Dr.Surya Chakra Veni, Dt. Child Protection Officer encouraged the PGTs, Aims and Objectives and gave the instructions about the programme schedule. Sri .Pydeswara Rao, Eluru DSP also gave the assurance for smooth running of this programme. Mrs. Jaya LAKSHMI, CDPO, Eluru, Urban gave encouraging words to the PGTs. Dr.Sr.Mercy, Principal wished and congratulated the PGTs and the Department of Zoology.





Resource Persons:

- Dr.Surya Chakra Veni, Dt. Child Protection Officer
- Sri. Rajesh, Child Protection Officer
- Sri. Rajendra, Child Protection Officer
- Dr.R.Indira, HOD, Department of Zoology
- Dr.K.Madhavi Rani, Department of Zoology
- In the morning Session, the PGTs were trained on different adolescent related problems like Child marriages, Child marriage Act, Marriage registrations and its Act, Sexual Abuse and its Act, Peer Pressure, Gender Awareness, Equality, Trafficking, Adolescent changes, Complete Balanced diet, Anaemia, Reproductive Hygiene, Personal Hygiene, Inter personal Relationships, Adolescent girls-Beauty consciousness, Love and Attraction-Difference etc.
- In the Afternoon session, all the PGTs divided into 4 groups of 21 members, 4 faculty from Zoology Department as In charges. Each group actively involved in group activity, interactive activity on the above topics. They also have learned some refresh activities. Group leaders and some active PGTs shared their experiences and views regarding this programme.



- On 9th & 10th Nov. 2017, all the 4 groups of PGTS along with liaison officers visited AP Social Welfare Gurukul Pathasala/College, Vatlur





- **On 11th & 12th Nov. 2017**, all the 4 groups of PGTS along with liaison officers
- Dr.R.Indira, Dr.K.S.V.K.S.Madhavi Rani, Mrs.N.Lakshmi Prasanna, Mrs.G.Suneetha, from Department of Zoology, St. Theresa's Degree College, Eluru visited 4 Social Welfare Hostels at Ameena Pet.
- All the 4 groups equally divided the girls and conducted the sessions separately by liaison officers. interactive activities carried out with 10 girls per each PGT.



- **8-2-2018:** Documentary film shot by the Women & Child Department, West Godavari District on Kishore Vikasam Programme at Social Welfare Gurukula Pathasala, Vutluru. Our II BZC & ZNC girls gave interviews and Dr.R.Indira, Mrs. N.Lakshmi Prasanna & Mrs G.Suneetha coordinated and interviewed.





Awards:

- On 8th march,2018,Ms. P.Lavanya,II B.Sc.BZC & Ms.E.Akhila,II B.Sc received **District level Best PGTs Award-** from the District Collector on the eve of International Women's Day Celebrations for their voluntary service in the Kishore Vikas Programme



Guest Lectures arranged:

- 8-7-2017-Mrs. Vijaya Prasadini, Potable Water Quality Coordinator, RWS Department gave a talk on career opportunities for Biology students.to the II and III B.Sc & B.Voc students.



- Dr. K. Chandra Sekhar, Professor and Specialist Family Medicine at Al Fayziah Post graduation Centre for Family Medicine, Buraidah, KSA gave a Guest lecture on “Adolescent and Elderly Health Problems” on 7th Aug. 2017 to all the college students and faculty. He reminded about habits of Healthy lifestyle. This lecture is a part of Anaemia Eradication Programme (AEP)-2017.



- On 1st September, 2017, Mr Venkateswarlu, Environmental Engineer APPCB conducted Environmental Audit for the College. The programme was co ordinated by

Dr.R.Indira,H.O.D. She arranged a talk to all the students on “ Environmental Awareness”.



- On 17th nov. Dr. Aruna,Gynaecologist,Vijayawada gave a talk on “Premarital Counselling” to the final year students in their life skill class



- 3-1-2018-Ms. P.Spandana Quality control analyst, Omega health care, delivered a guest lecture on various career opportunities .
- She is the alumnae of our college.



6-2-18- Mr.Anand Kumar gave a guest lecture on “Career Opportunities in MLT course” to III B.voc students. Mr. Uday Kiran, Technical person gave awareness on “NSDC Certification” to I & II B.voc students



- 19-2-18- Dr.Vani Dittakavi, visiting research scientist, university of Illinois, Dept of Endocrinology, CHICAGO,USA gave a guest lecture on “osteoarthritis” to III Bsc BZC and ZNC.



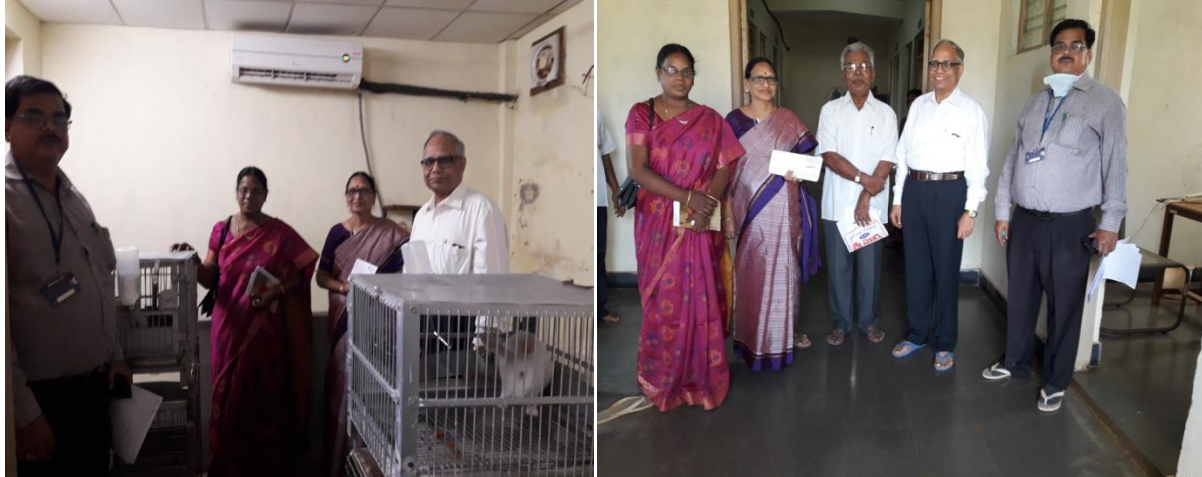


Faculty as Resource person:

- Dr. R. Indira attended as one of the panel member for the selection of FDP substitute for Biotechnology post in Arts & Science College, Rajahmandry.



- Dr. R. Indira attended as one of the member for the CPCEA Committee (Animal ethical committee) at ASRAM Medical College, Eluru



12-6-17- Dr.K.Madhavi Rani gave a **guest lecture** on “poultry Management” at VSM Autonomous college Rama Chandra puram, E.GDt.,as University nominee.



- On 15th nov,Dr.K.S.V.K.S.Madhavi Rani gave a talk on “Menstruation-A Journey to Becoming a Woman &Menstrual Hygiene Management” to the final year students in their life skill class



- On 5th and 6th, Mrs. N.Lakshmi prasanna attended two day training programme on Disaster Management Training to 50,000 student youth in W.G.Dt organized by Department of youth services, SETWEL, W.G.Dt at CH.S.D.Theresas (A)college eluru.
- On 11th and 12th dec 2017 dept of zoology conducted a competetions on essay writing and power point presentations

Faculty as Jury member: District level inspire programme:

- 17-2-18 to 19-2-18: Dr.R.Indira acted as Jury member in the “District level INSPIRE (MANAK innovation in science pursuit for inspired Research) award science exhibition” from 17th February to 19th held at Ramachandra college of Engineering, VATLURU PEDAPADU MANDAL.



Committes:

<p>Dr.R.Indira</p> <ol style="list-style-type: none"> 1.Co-ordinator for B.Voc, CALT 2.Co-ordinator of ES foundation course 3.Co-ordinator of STC Eco-Club 4.Member of Examination cell 5.Member of salary committee 6.member of council 7.member of Academic council 8. District resource person of Kishore Vikasam-2017-18 	<p>Dr. K.Madhavi Rani:</p> <ol style="list-style-type: none"> 1.Member of IQAC 2.member of STC Eco-Club 3. District resource person of Kishore Vikasam-2017-18 4.Member OF Jeevan Vidhyakandra
<p>Mrs N,Lakshmi Prasanna:</p> <ol style="list-style-type: none"> 1.Secretary of Zoology Department 2. member of STC Eco-Club 	<p>Mrs G.Sunnetha:</p> <ol style="list-style-type: none"> 1. member of STC Eco-Club 2. In charge of Corridor cleanliness

Memberships:

The departmental members were registered in ANCS, Dt. Animal Welfare Society maintained by Animal Husbandry Department

Papers published:-

-Dr. K. Chandra Sekhar, Professor and Specialist Family Medicine at Al Fayziah Post graduation Centre for Family Medicine, Buraidah, KSA, Dr. R. Indira, HOD, Zoology Dept., Dr. Sr. Mercy P, Principal, Dr. K. Madhavi Rani, N. Lakshmi Prasanna, G. Suneetha, Lecturers in Dept. of Zoology Published a paper on A STUDY ON EAR, NOSE AND THROAT (ENT) AND EYE HEALTH PROBLEMS AMONG COLLEGE STUDENTS OF ELURU in an International Journal "European Journal of Biomedical and Pharmaceutical Sciences" ISSN 2349-8870 with SJIF Impact Factor 4.382 - *ejbps, 2017, Volume 4, Issue 7, 360-363.*

-Dr. K. Chandra Sekhar, Professor and Specialist Family Medicine at Al Fayziah Post graduation Centre for Family Medicine, Buraidah, KSA. Dr. R. Indira, HOD, Zoology Dept., Dr. Sr. Mercy P, Principal, Dr. K. Madhavi Rani, N. Lakshmi Prasanna, G. Suneetha, Lecturers in Dept. of Zoology Published a paper on A STUDY ON DETECTION OF GENERAL MORBIDITY PROFILE AMONG COLLEGE STUDENTS IN ELURU in an International Journal "World Journal OF Pharmaceutical Research" ISSN 2277-7105 with SJIFImpact facor 7.523, *Volume 6, Issue 7, 1744-1752*

- Dr.R.Indira,Hod & Dr.K.Madhavi Rani contributed a paper on “Environmental concern in Aquaculture systems: estimation of protein level in an Indian carp,Labeo rohita(Ham) fed with immunex Ds during aeromoniasis Aug. 2017, Vol.3-Issue-08 pg.no.83-86, Impact factor-1.14, UGC jr.No. 45308
- Dr.R.Indira published a paper on “Big data insights on Life Insurance Modelling” in International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) , Vol.4, special issue 21, August 2017- ISSN 2394-3777 (PRINT), ISSN 2394-3785 (ONLINE)-www.ijartet.com
- Dr.K.Madhavi Rani published a paper on “The R package Anomaly Detection on Environment for Cyber analytics” in International Journal of Advanced Research Trends in Engineering and Technology (IJARTET) , Vol.4, special issue 21, August 2017- ISSN 2394-3777 (PRINT), ISSN 2394-3785 (ONLINE)-www.ijartet.com
- Empowerment and coping strategies in Women: a study on “Osteoporosis” in different age groups of people in Eluru, KAAV International Journal of Arts, Humanities and Social Sciences-A refereed blind peer review Quarterly Journal, UGC approved No. :47663,issn No. 2348-4349, Impact factor-(2017) 7.9183, vol.5, Special issue 1
- Dr. R. Indira 1, Dr. K.S.V.K.S Madhavi Rani 2. N.Lakshmi Prasanna 3,G. Suneetha 4 published a paper on “Environmental Protection: Role Of Immunostimulants, Immunex Ds And H-Treat On The Immune Response Of Labeo Rohita During Aeromoniasis” in *International Journal of Engineering Science Invention (IJESI)ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org // PP. 56-58*
- Ranjith Kumar Bandi1*,Dr. KSVKS Madhavi Rani 2, Dr. Harinadhababu Raparla3 published a paper on “ Determination Of Fluoride Concentrations In Ground Water In Two Different Seasons In Two Years(2015&2016) In Lingapalem Mandal” in *International Journal of Engineering Science Invention (IJESI) ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org // PP. 01-05*
- K.Ravi1, V.Sandhya2, R.Indira3,K.S.V.K. S. Madhavi Rani3, Ch.V.Mahalakshmi published a paper on “Alternative Sources of Engine Fuel-Bio Diesel With Reference To Vegetable Oils in *International Journal of Engineering Science Invention (IJESI)ISSN (Online): 2319 – 6734, ISSN (Print): 2319 – 6726 www.ijesi.org // PP. 01-03*

Paper Communicated:

A study on environmental hygiene in selected slums of Eluru Municipal Corporation for Swachh Survekshan - An Institutional Social Responsibility

Workshop Organized: –

- 5-12-2017-6-12-2017 two day training programme on ” Disaster Management” to 50,000 student youth in W.G.Dt organized by Department of youth services, SETWEL, W.G.Dt at CH.S.D.Theresas (A)college eluru.
- On 21st dec 2017 dept of zoology in association with AP pollution control board conducted a one day work shop on recent trends in pollution control- role of community in view of pollution control day celebrations.
- Sri .S. Venkateswarlu , Environmental engineer attended as a key note speaker and resource person delivered his lecturer on recent trends in pollution control- role of community. Sr. Principal congratulated the Zoology members and wished the students.
- The students participated and presented their papers on various Topics related to pollution control measures.



Seminars/Workshops Attended and presented papers:

- 7-6-17- Dr.R.Indira,Hod & Dr.K.Madhavi Rani attended the second one day international conference on “ Innovation, Entrepreneurship & sustainable value chain in a challenging environment” at Kuala lumpur, Malaysia, organized by Primax foundation, Bengaluru, Karnataka, India. And presented a paper on ““Environmental concern in Aquaculture systems: estimation of protein level in an Indian carp,Labeo rohita(Ham) fed with immunex Ds during aeromoniasis”
- International Conference on Recent advancement in technical fields of Computer Science and Mathematics- Computer Science & Mathematics Departments, St.Theresa’s College, Eluru on 21st & 22nd Aug. 2017 and presented papers on ““Big data insights on Life Insurance Modelling” and “The R package Anomaly Detection on Environment for Cyber analytics”
- 31-1-18 to 1-2-18: Dr.R.Indira ,Dr.Madhavi rani attended National seminar on “Environmental pollution- public responsibility” organized by Department of chemistry,Andhra Loyola College,Vijayawada, presented a paper on A study on environmental hygiene in selected slums of Eluru Municipal Corporation for Swachh Survekshan - An Institutional Social Responsibility.
- 9-2-18 to 10-2-18: Dr.R.Indira ,Dr.Madhavi rani, N.Lakshmi prasanna, G.Suneetha attended an an international conference on “Women in 21st century: challenges and opportunities” organized by Department of Management studies, department of social sciences & women studies center of St.Theresa’s college for women in associatiobn with PRIMAX FOUNDATION. Dr.R.Indira ,Dr.Madhavi rani, N.Lakshmi prasanna, G.Suneetha presented a paper on Empowerment and coping **strategies in Women: a study on “Osteoporosis” in different age groups of people in Eluru and received Best paper award.**



- 12-2-18 to 13-2-18: Dr.R.Indira ,Dr.K.Madhavi rani, N.Lakshmi prasanna, G.Suneetha attended an international conference on “ Materials for energy and environmental protection” organized by SIR.C.R.R.COLLEGE Eluru. Dr.R.Indira gave oral presentation and ,Dr. K.Madhavi rani exhibited poster presentation on Environmental Protection: Role of immunostimulants, Immunex Ds and H-Treat on the immune response of *Labeo rohita* during aeromoniasis



BOS:

12-6-17- Dr.K.Madhavi Rani attended **BOS meeting** at VSM Autonomous college Rama Chandra puram, E.GDt.,as University nominee .



19-6-17- Dr.K.Madhavi Rani attended **BOS meeting** at DNR Autonomous college, Bhimavaram w.G.Dt as University nominee .



- Dr.R.Indira and Dr.K.Madhavi Rani attended as BOS members at Sir CRR College, Eluru



- **6-2-2018:** Boards of Studies Meeting conducted for B.Voc, CALT group with external member, Mr. P.Anand Kumar, Emergency Medical Laboratory, Dt. Government Hospital, Eluru



- 16-2-18-B.O.S. meeting was conducted in the Dept of zoology prof.A. Mattareddy ANUR, Mr.K.Visweswara rao head of the department zoology SIR.C.R.R.COLLEGE Eluru were the subject experts.
- Mrs.B.Mounika,Lab Asst. from Eco Aqua Microbiological lab,Eluru was the external member for B.Voc.CALT



Faculty as Academic Council members:

- 2-6-17-Dr.K.Madhavi Rani attended **Academic council meeting** at SKSD Mahila kalasala,Tanuku.



- 15-3-2018: Dr.R.Indira attended Academic Council meeting at Ch..S.D.St.Theresa's College for Women, Eluru to pass Zoology and CALT syllabus.



Internship:

- I Bvoc.students went to Eco Aqua microbiology lab for internship from 22-2-2018 to 4-3-2018.
- III Bvoc students went for industrial training to different clinical and aqua labs like
- Eco aqua microbiology lab,Eluru.
- 2.Good Samaritan cancer and General Hospital, vangayagudem, Eluru.
- Primary Health centre, Titus Nagar, Tangellamudi,Eluru.
- Siddhartha Diagnostic Centre, RRpet, Eluru.





Field trips:

30-8-17-III BZC, ZNC, I,II,III BVoc. students were taken to the field trip to Govt. fish Hatchery, Badampudi. Mr. Vasu, In charge member explained various points regarding fish spawning, hatching, finger lings, gambusia etc. On the same day, students were taken to Sundaramma poultry, Badampudi. Students witnesses different Management techniques that are practiced in the poultry farm. Supervisors explained very clearly about the feed management, chick, layers, broilers diseases etc. Students gained rich knowledge by the trip.



Eco club:

Tree Plantation Day / Vanam Manam Programme: 7-7-2017

- STC Eco Club conducted an awareness programme on “Tree Plantation Day” to all the students. Dr. R. Indira STC Eco Club coordinator gave the detailed report on Vanam Manam programme and also motivate the students to plant a sapling by each and every member of our college.

Under Vanam Manam Programme, Eco Club faculty members Dr. R. Indira STC Eco Club coordinator, Dr.K.Madhavi Rani, N.Lakshmi Prasanna, G.Suneetha , K.Sahitya and 70 student volunteers planted 100 flowering saplings in the garden near Asakiranam and Vermicompost Unit.

- **Vehicle free day:**

19-8-17- To reduce pollution & create awareness to students, vehicle free day was observed.

Green audit:

- On 1st September,2017, Mr Venkateswarlu,Environmental Engineer APPCB conducted Environmental Audit for the College. The programme was co ordinated by Dr.R.Indira,H.O.D. She arranged a talk to all the students on “ Environmental Awareness”.



Activities of Students:

- **World environmental day** was observed.
sr.Swathi III BSC.BZC created awareness
Ms .sahithi III ZNC gave slogans related to environment.

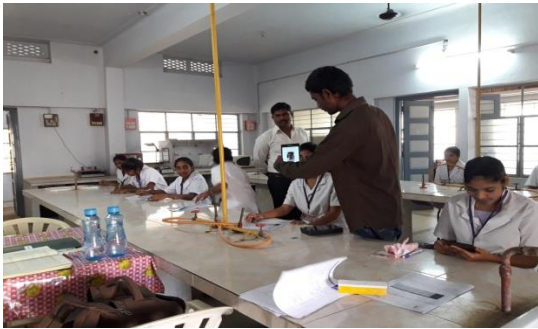


- On 14th nov,10 members attended state children's day celebrations organized by state Women and child welfare department .Smt.Paritala sunitha,Minister.of women and child welfare dept.our students shared their views on the stage and received the certificates



NSDC Exam:

- **6-2-2018:** B.Voc Clinical and Aqua lab Technology students appeared NSDC Exam (National Skill Development Corporation) in MLT course through Offline exam by Tabs. Mettl Agency, Hyderabad Mr. Uday Kiran, Technical person and Mr. P.Anand Kumar, Emergency Medical Laboratory, Dt. Government Hospital, Eluru MLT professional conducted the exam in theory, practical and viva in term I MLT.



NSDC Certificates:

- III B.Voc Clinical and Aqua lab Technology students have appeared and qualified NSDC Exam. They received the certificates from NSDC (National Skill Development Corporation), Health care Skill sector Council, New Delhi in MLT course.



- **Academia Competitions:**

14-8-2017-Academia competitions- conducted in the college for all the students. In zoology department conducted two competitions

1. Virtual dissection-placement of Internal organs in the Anatomy of Shark.
2. PPT presentation on the Topic "Animal welfare".

Participants-15 students for Virtual dissections, 5 students for PPT presentation.

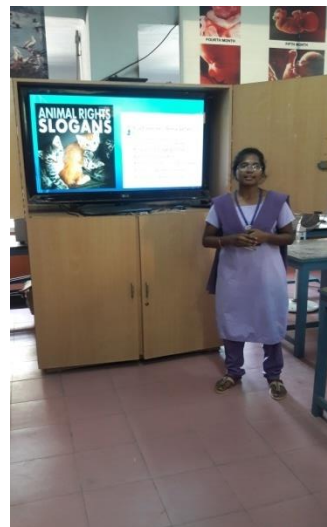
Judges: Mrs.Chukkamma -Chemistry department

Mrs.Rani Botany department.

Winners: 1.D.Sri lakshmi priya-II ZNC-161833

2. Sd.Karishma-III BZC-151772

3. R.Naga lakshmi-III BZC-151722



Student support & Progression:

Dr.K.Madhavi Rani gave Rs.4,000 for tuition fees to Ms.Saranya, I ZNC through LLL



Future Plans of the Department-2017-18

- 1. Conduction of International seminar on “Community health”.**
- 2. Conduction of workshop on “Restoration of Kolleru lake” in collaboration with forest department.**
- 3. Guest lectures by eminent persons from various fields.**
- 4. Organization of Health camp**