

**DEPARTMENT OF APPLIED SCIENCES**  
**ANNUAL REPORT –ACADEMIC YEAR 2017-18**

“Education is not the learning of facts but the training of the mind to think”. With immense gratitude to god almighty, we started the activities of the new academic year 2017 – 18.

We feel honored with the achievement of our Principal Dr.Sr.Mercy.P for receiving Award of Visishta Seva Puraskar by The Chief Minister of Andhra Pradesh on the occasion of International Women’s day, 2018. We heartily congratulate our dear Principal on her achievement.



- Academic year 2017-18 begun on 2<sup>nd</sup> of June, 2017 with a general body meeting presided over by Superior and Correspondent mother - Ernestine Fernandez and Principal Dr.Sr.Mercy. Regular classes for II<sup>nd</sup> and III<sup>rd</sup> year students begun on 5<sup>th</sup> of June 2017.
- Department of Applied Bio Sciences organized a “**Two days orientation programme**” to all the I<sup>st</sup> years on 19<sup>th</sup> and 20<sup>th</sup> of June. As part of this programme, students were informed about various rules and regulations of the college. A campus ride was also organized on the first day of the programme to familiarize students and parents with the amenities on campus.



“It’s not what you achieve, it’s what you overcome. That’s what defines your career.”

- So as to provide the information related to future career objectives a “**Guest lecture**” was organized by the Dept of Biochemistry on 27-06-17. Dr.Mrs.K.Sucharitha, Assistant Professor in biochemistry, ASRAM College, Eluru was invited as the Resource person. She presented an inspiring talk on “**Future prospects of Biochemistry**”. All the II<sup>nd</sup> year Applied Bio Science students took active part in the programme.
- To inculcate interest in research, all the present final year students are allotted with group wise project works under the guidance of concerned staff members during their IV semester. The rough draft for the project thesis was successfully presented and submitted by the students to the in charge lecturers. On 27<sup>th</sup> of June 2017 all the final year students presented their drafts in a well organized manner.



- In the month of June, 3 members from the department Mrs.Y.Neeraja, Mrs.A.Padmavathi and Mrs.D.Lumbini Devi Attended a BOS meet at DNR College Bhimvaram as university Nominee and subject experts respectively for Microbiology and Biochemistry. On 29<sup>th</sup> June'17, Mrs.A.Padmavathi, Lecturer in Microbiology attended a BOS meet at ASG college, Kakinada as University nominee in Microbiology.
- On 28<sup>th</sup> July '2017, Dr.Mrs.P.Jyothi Kumari, HOD, Department of Applied Bio Sciences gave a guest talk on '**Longevity**' organized at Lion's club Eluru. 25 Lion's club members actively participated in the programme.
- In the month of July, Mrs.A.Padmaja Rao, Former HOD of Nutrition and Dietetics visited the department and interacted with the staff.
- Students of Applied Sciences under the guidance of their Ward mentors presented **3 Knowledge extension programmes in this Semester on "Forensic Toxicology" "Role of ICDS" and "Influenza – An Epidemic"** by final year MBN, MB Computer, ZNC and B.Voc CALT students under the guidance of their ward tutors Mrs.A.Padmavathi, Mrs.Y.Neeraja, Mrs.D.Lumbini Devi and Ms.G.Swapna.



- On 3<sup>rd</sup> of August, Dr.Mrs.P.Jyothi Kumari, HOD, Applied Bio Sciences was invited as a Resource person to a guest talk organized by Inner Wheel of Lion's club, Eluru. As a part of the programme, she addressed 75 nursing students on "**Adolescent nutrition and preparation for mother hood**".

- On 7<sup>th</sup> of August, college competitions ‘**ACADEMIA-2017**’ was held, under which Department organized **Miss Wellness competition**. Dr.K.S.V.K.S.Madahavi Rani, Lecturer in Zoology and Dr.Mrs.Ratna Mary, Lecturer in Economics acted as judges. Around 20 students from various groups actively participated in the competition.
- On 9<sup>th</sup> and 16<sup>th</sup> of August, 2017 – Mrs.A.Padmavathi, Lecturer in Microbiology demonstrated “Sterilization techniques and Media preparation” to Final year BZC and ZNC students.
- In the month of September, the first week was organized as “**National Nutrition Week**”- “**Enjoy the taste of eating right so choose right to live well**”.



- **With this quote in mind, Department of Applied Bio Sciences celebrated “National Nutrition Week” from 01-07-2017 to 07-07-2017.**
- On 01-07-2017 at 9:00 AM National Nutrition Week inauguration was held in the auditorium. The chief guest was **Mr.S.Venkateswarulu, Environmental engineer, West Godavari District**. Miss.Rajeswari, student in M.Sc. Clinical Nutrition made a presentation on objectives of the National Nutrition Week for the year 2017. With the special greetings by principal Dr.Sr.Mercy these week celebrations were started.



- On the same day, for final year students special programme was held on **“Impact of traditional foods on health”**, Miss.Sruthi of final MBN gave Seminar on **“Traditional foods”**. Mrs.Brahmeshwari , HOD of Social Sciences was the chief guest. She talked about **“FIVE TRADITIONAL ELEMEMENTS-RELATED TO NUTRITION”**. Guest of honor Sr.Sunila Rani Controller of examinations conveyed her greetings.
- At 11:00AM **“Recipe contest”** was held, 20 contestants participated in this event. Mrs.M.Padmaja and Miss.R.Ripsee were the judges and the winners of contest are 1.Sowmya 2.SriDurga, 3.Yamini.
- At 12:00 PM **Jamcontest** was held on the same day and 15 members have participated in this contest Mrs.A.Padmavathi and Miss.Ch.Sushma were the judges.
- On 04-07-2017 at 10:00 AM, 2 of the Final ZNC students, Ms. Swarna Teja and Ms.Devi Sree gave a presentation on **“Balanced Diet and Its Impact on Health”**. It was planned as an interactive cum informative time for girls.
- A Work shop was held on 4th September, afternoon AT 3.00PM for 30 students of women cell and CALT. Final year Nutrition students gave demo on the **“Preparation of Bakery products like biscuits, puffs and squashes and jams”**. During this week thoughts on choice of food was shared during assembly time and on wall magazines.



- On 12<sup>th</sup> September 2017, Department of Microbiology organized a “**Campus Awareness Programme**” on various Microbial diseases using display cards and visual aids. All the final year students took active part in spreading information all over the campus.



- On 22<sup>nd</sup> and 23<sup>rd</sup> of September, 2017, NAAC team visited the campus. Dr.Mrs.Mamathaji and Dr.Mrs. Visited the department and confirmed the events we have reported in NAAC report regarding students in abroad, No of PhDs registered, MOUs and KIOSK - Nutribell and Innovations of department.



- In the month of October, Dept of Biochemistry organized a workshop on “**DNA isolation techniques**” with Mrs.D.Lumbini Devi, Lecturer in Biochemistry as the Resource person. 65 students participated and gained hands-on experience on the techniques.



- Mrs.Y.Neeraja, Lecturer in Microbiology attended a One day training program on “**Documentation and presentation skill**” at APHRDI, Bapatla on 7<sup>th</sup> August, 2017.
- Dr.P.Jyothi Kumari, HOD, Dept. of Applied Sciences selected as Nutrition consultant for west Godavari District Mission Nutrition Program for “**Formulating diet for Pregnant and Lactating women**” under Anna Amrutha Hastham attended a meeting with Joint Collector conducted at District Collectorate, Eluru on 29<sup>th</sup> of September, 2017.
- On 3<sup>rd</sup> and 4<sup>th</sup> of October, 2017, All the members of the Department of Applied Sciences participated actively in the 2 day seminar on “**Effective teachers are Principle centered**” organized by T-TIPS Committee. Resource persons of the programme were Rev.Fr.Dr.Joe Arimpore and Mr.Abhishek from DONBOSCO Animation and Research Kendra (BARK), New Delhi.
- In the month of October 2017, during the semester break, management organized a staff tour to Kanyakumari for 5 days from 31<sup>st</sup> October to 4<sup>th</sup> November, 2017. Dr.P.Jyothi Kumari, Mrs.D.Lumbini Devi and Ms.Ripsee.R from the department took active part in the tour. Staff members from all the departments took part in the tour.



- On 11<sup>th</sup> of November, 2017 under the guidance of Mrs.Y.Neeraja and Ms.Ripsee.R, Faculty of Microbiology, Final year Microbiology cluster students went for a **Field trip to Surya Bio Productss, Vatluru**. Students learnt about the large scale fermentation, culturing of bacteria, fungi and commercial scale manufacture and packaging of Biofertilizers.



- On the eve of National Library Week celebrations, District library organized a **Medical camp** in which Final year B.Voc CALT students took active part by conducting a camp for Blood glucose estimations on 20<sup>th</sup> of November, 2017. Mrs.A.Padmavathi and Ms.Ripsee.R, Faculty of Microbiology represented the department in the programme.



- A guest talk was organized to all the second and final year students of Microbiology on **“Multiple Drug Resistance – A way for evolution of**



**superbugs”** on 21<sup>st</sup> of November, 2017. Staff and students of Sir C.R.Reddy college of Pharmacy, Eluru gave an informative talk.



- On 22<sup>nd</sup> of November, 2017, college organized **MISSION FETE** as annual activities. As a part of it staff and students of the department took active part by putting up delicious food stalls and interesting games as a fund raising activity to help the poor.
- Dr.P.Jyothi Kumari, HOD, Dept. of Applied Sciences gave a guest lecture on **“Adolescent Nutrition”** to the students of NSS and WEC on 28<sup>th</sup> of November, 2017. A total of 120 students participated in the talk.



- In the month of December, 2017 – Students of Final year microbiology cluster were taken to **field visit to Mushroom culturing plant in Vijayawada** under the guidance of Mrs.Y.Neeraja, Lecturer in Microbiology. Students learnt the methods of culturing milky mushrooms using mushroom bed from the visit.



- On 5<sup>th</sup> of December, 2017 – Dr.P.Jyothi Kumari, HOD, Dept. of Applied Sciences attended “**Ethical committee meeting at St.Joseph’s Dental College, Duggirala**”as a member in screening Post graduate students projects in Dentistry.
- On 5<sup>th</sup> and 6<sup>th</sup> of December, 2017 Mrs.Y.Neeraja, Lecturer in Microbiology and Mrs.D.Lumbini Devi, Lecturer in Biochemistry attended “**Disaster Management Training for Trainees (TOT)**” organized by SETWEL, West Godavari District.



- In the month of December 2017, on second Saturday all the department members participated in the Alumni meet organized in the campus.
- On 9<sup>th</sup> of January, 2018, Sr.Sunila Rani.P, Lecturer in Microbiology participated in an International workshop on “**International Studies – A Pathway to Careers Abroad**” organized by St.Theresa’s Centre for International Studies. Dr.P.Jyothi Kumari, HOD, Dept. of Applied sciences was an organizing committee member of the workshop.
- On 11<sup>th</sup> of January 2018, Mrs.D.Lumbini Devi, Lecturer in Biochemistry guided the final year students of biochemistry cluster to have a practical demonstration on “**Radiation Therapy**” in Good Samaritan Cancer Hospital.



- Dr.Mrs.P.Jyothi Kumari, HOD, Dept. of Applied Sciences delivered a talk on **“Adolescent Nutrition”** to all the final year students as a part of the Lifeskill development course on 20<sup>th</sup> of January, 2018.
- Mrs.A.Padmavathi, Lecturer in Microbiology delivered a talk on **“Communicable diseases and its prevention”** to all the final year students as a part of the Life skill development course on 27<sup>th</sup> of January, 2018.
- In the month of February on 3<sup>rd</sup>, Department of applied Sciences organized **“Kitchen Queen Competition – A Recipe Contest”** in association with Bharat Gas Petroleum Ltd., and Eluru dealers. The competition was held in PG Nutrition laboratories and the winner was crowned as “Kitchen queen”.





On 3<sup>rd</sup> of February, 2018 – A pickle preparation demonstration was given by Mrs.lakshmi, an entrepreneur to the students of I<sup>st</sup> B.Sc as a part of their practical. It was organized by the Department of Nutrition.



- Second year students of B.Voc CALT underwent an **Evaluation process by National Skill Development Centre (NSDC)** on 6<sup>th</sup> of February 2018 in the campus. Mrs.A.Padmavathi, Mrs.Y.Neeraja, Ms.Ripsee.R, Faculty of Microbiology were also been a part of the programme as Incharge staff.



- On 7<sup>th</sup> of February 2018 – Ms.Vijaya Kala, Ms.G.Swapna, Faculty of Nutrition took the final year MBN and ZNC students to a **field visit to Dal, rice, cashew and milk processing units** at Dubacharla and Bhimadole.





- Mrs.A.Padmavathi and Ms.Ripsee.R, Faculty of Microbiology acted as organizing committee members in the 2 day international conference on **“Women in 21<sup>st</sup> century; Challenges and opportunities”** organized on 9<sup>th</sup> and 10<sup>th</sup> of February 2018. They were given with Certificates of appreciation for their active participation and efforts throughout the programme. Dr.Mrs.P.Jyothi Kumari, HOD, dept. of Applied biosciences also participated and presented a paper on **“Impact of Gender parity on Nutrition security”** in the conference.



- Mrs.Y.Neeraja, Lecturer in Microbiology participated in the **“International symposium on Biodiversity of medicinal plants and Orchids”** organized by Acharya Nagarjuna University, Guntur from 9<sup>th</sup> to 11<sup>th</sup> of February, 2018.

- Department organized debate and powerpoint presentation competitions as a part of the National Science day celebrations on 11<sup>th</sup> of February 2018.

Students from various groups participated actively in good number. Debate competition is on the topic “**Robots can replace a teacher?**”and the power point presentation competition on “**Applications of Biosensors**”.

Mrs.A.Padmavathi, Mrs.Y.Neeraja – Faculty of microbiology and Dr.Mrs.D.Fatima Rani, Faculty of English and Dr.P.Jyothi Kumari, HOD, Dept. of Applied sciences acted as judges of the programmes.



The winners are given with the prizes and certificates. As a part of the programme, management offered cash awards for physically handicapped students. Ms.G.Nikitha of I MSN received a cash prize of Rs.2000/-.

- Mrs. Y.Neeraja, Lecturer in Microbiology participated in a National level workshop “**Research based pedagogical tools**” held in Bhawan’s Vivekananda college, secunderabad organized by Indian Institute of Science



Education and Research (IISER, PUNE) in collaboration with Dept. of Science and Technology (DST), New delhi.



- All the members of the department participated actively in the college day program organized on 20<sup>th</sup> February, 2018. Department of Applied science is incharge of catering and refreshments to the guests and staff as a part of the program.
- On 22<sup>nd</sup> of February, 2018 - Department organized a **Guest lecture on “Career Guidance and the preparation of curriculum vitae”** by **Mrs.M.K.Padma Lata**, PG Department of English.
- **Departmental club AYUSH valedictory** was organized on 23<sup>rd</sup> of February 2018 at 10.30am. As a part of it, prizes were distributed to all the winners of various activities held by Ayush club throughout the academic year.

Dr.P.Jyothi Kumari, HOD and Sr.Sunila Rani.P, COE wished the students of Final year for their better future.

**Prize distribution to the winners in Ayush Club activities**



- In the month of February 2018, Mrs.A.Padmavathi, Lecturer in Microbiology submitted her Ph.D thesis on **“Isolation Screening and Optimization of Bacterial Polygalactouronase isolated from commercial crop field soils”** to the Dept. of Microbiology, Acharya Nagarjuna University, Guntur.
- In the month of February, 2018 – students took active participation in the Board of Studies meeting held in the department by giving suggestions about the curriculum.
- On the eve of National women’s day – March 8<sup>th</sup> 2018 , Dr.P.Jyothi kumari, HOD, Dept. of Applied Sciences gave a guest talk on **“Nutrition for Women”** at District level women meet organized by YSR CP Women wing, West Godavari District.



- In the month of March 2018, Mrs.Y.Neeraja and Ms.Ripsee.R Faculty of Microbiology were appointed as External examiners to the practical examinations of II and III year B.Voc Paramedical and Hospital Administration at Andhra Loyola College, Vijayawada.



## Student achievements

- On the eve of World Tourism Day, Set Well organized various competitions in which students of Applied Sciences participated and bagged the following prizes:
  - S.R.Sruthi, III MBN – First in Elocution competition
  - D.R.Shakeena, III MBN - First in Essay writing competition
  - N.V.L.Sahithi, III MBN – First in Painting competition
  - Saloni Jain, III MB Comp – First in KavyaSrijan, Poetry Writing
  - S.R.Sruthi, III MBN – Second in KavyaSrijan, Poetry writing
- In the recipe competition organized during the National nutrition week by Applied sciences, G,Vennela of III MBN won Second prize.
- During the National Science week celebrations in February, 2018, students of Applied sciences actively participated and won various prizes.
  - S.R.Sruthi, III MBN – First prize in Power point presentation on “Biosensors”.
  - Saloni Jain and M.S.Sushma, III MB Commp – Second in Debate competition.
- During the ACADEMIA – 2018, Miss Sivaranjini, III MBN won Second prize in Miss Wellness competition.
- V.D.L.Nikitha of II MBN participated and won prizes in classical Dance competitions organized at the levels of college, Zonal, University. She also participated in the Classical Dance competition organized at state level representing the college. She also won First prize in the classical dance competition organized during the NSS Youth Fest.
- G.N.V.yamini, II MBN won first prizes in Essay writing competition organized at college level on Swacch Bharath, at University level on Odf and also in the Library week competition on Essay writing.
- T.Harshitha Gayathri of II MBN won prizes in Singing competition organized at college and zonal levels. She also won First prize in the singing competition organized in NSS Youth Fest.
- T.Harshitha Gayathri, II MBN won First prize in Group and solo dance competitions organized during NSS Youth Fest and at the college level dance competition.

- Students of II MBN took active participation in the various competitions organized by College Library on the eve of Library week.

### **Awards and Scholarships : 2017 - 2018**

1. C.M. Lurdh Swamy and Lurdh Mary memorial award awarded by Mrs. L.Balamma retd. Lecturer in Social work, St.theresa's college for a best NSS Volunteer is awarded to Ch. Padma vilasitha II B.Sc MBChe
2. Dr.Sr. Theresa cherian , former principal, St. Theresa's college award awarded by the staff club 2010-11 for a degree student who is outstanding in off-campus competitions is awarded to Sri Raja Sruthi IIIB.Sc MBN.
3. Mrs.L.Balamma Retd. Lecturer in Social work, St. Theresa's college award awarded by her for the bible activities throughout the year is awarded to S.Pragathi III B.Sc, MBComp.
4. Dr.C.V.G.Krishna rao memorial award awarded by Mr.C.Anil Srinivasa Rao and Mrs.A.Padmaja former lecturer in nutrition for a merit student in Nutrition K. Suma Kavya Sri III B.Sc MBN.
5. Fr.Savio Stalin and Fr.P.Bala priestly silver jubilee memorial cash award instituted by Fr.Savio Stalin, director ,Sagarthara marymatha shrine samaldeevi and Fr.P.Bala founder director St. Joseph dental college Duggirala to deserving Final year student basing on academic performance.-A.Vasanthi IIIB.Sc MBN.
6. Mrs.B. B. Sulochana retd.HOD of chemistry dept. St. Theresa's college award award for a deserving student V.Bharatha Laxmi IIIB.Sc ZNChe.
7. Sri.Kommini Showri Paul Memorial Award awarded by his wife Dr.Mrs.P.Jyothi Paul, HOD of Applied Biosciences, St. Theresa's college for deserving student in Nutrition.P.Deva Sri III B.Sc ZNChe.
8. Dr.Chenna kesavala Ranga Rao memorial prize donated by coporative urban bank limited Eluru for merit student in Hindi is awarded to Y.Pavani II B.Sc ZNC.

## **Proficiency Awards:**

1. K.Suma kavya Sri-III B.Sc MBN first in Microbiology,  
First in Bio-chemistry, First in Nutrition.
- 2.P.Deva Sri III B.Sc ZNChe. Second in Nutriton
- 3.S.Jagadeeswari III B.Sc MBN Second in Microbiology.
- 4.V.Siva Ranjani III B.Sc MBN Second in Bio-Chemistry.

Gratitude can transform common days into thanksgivings, turn routine jobs into joy, and change ordinary opportunities into blessings. We thank God for all his blessings throughout this semester. We also wish and hope to work together in all the future endeavors of the department to the best of our abilities.

*Thank you*





## **FUTURE PLANS**

For the Academic year 2018- 2019, Department of Applied Sciences planned for the following events:

- Department is planning to organize **an educational tour for the students** of Applied sciences in the month of November or October, 2018 during the semester break.
- Department members also planned to organize **a field visit every month.**
- It is scheduled to arrange **Guest talks** in Nutrition, Microbiology and Biochemistry in the months of June, September and December.
- It is also planned to organize **workshops** in all the three subjects during the months of August, September and December, 2018 to provide hands-on experience on various technical aspects of the core subjects.
- Members of the department also decided to organize **Departmental competitions “Bio Quest”** every year as a part of the National nutrition week celebrations.

- **National seminar** is planned to be on February 15<sup>th</sup> and 16<sup>th</sup>, 2019, the topic is yet to be decided.
- Proposals for the National seminar and Minor research Project are to be planned and submitted.
- It was also planned to arrange **Awareness programmes** on different topics for Anganwadi workers, Women and working mother during the celebrations of National Nutrition Week celebrations as a part of departmental extension activities.
- Dr.P.Jyothi kumar, HOD, Dept. of Applied sciences proposed to organize a **departmental summer staff training program** to learn the inter disciplinary topics in our subjects.
- It was planned to conduct **remedial classes** towards the end of every semester to improve the performance of average and slow learners.
- It was proposed to have a **common project in Nutrition and Dietetics** for the IInd year MBN and ZNC students, where as individual projects during their Final year.
- In order to promote the importance of Applied sciences, department is planning to organize **“A Special Day”** every year by organizing practical demonstrations and technical sessions on science topics to the students of schools and colleges in and around Eluru.
- **Assignments for this year are planned to improve the community ineration** of students by allotting them to teach specified topics to students of various schools in and around Eluru.

**Year wise plan for Departmental Activities 2018 – 2019**

<b>S.NO</b>	<b>MONTH</b>	<b>ACTIVITY PLANNED</b>
1.	APRIL	Summer staff training program
2.	JUNE	Bridge course for First years in all subjects Guest talk – Microbiology
3.	JULY	Field visit – Biochemistry Awareness Programme – Extension activity
4.	AUGUST	Breast Feeding Week – Nutrition and Dietetics Field visit – Microbiology Workshop – Microbiology
5.	SEPTEMBER	National Nutrition Week – Nutrition and Dietetics Bio Quest – Departmental competitions Field visit – Nutrition and Dietetics Guest talk – Nutrition and Dietetics Workshop – Nutrition and Dietetics



6.	OCTOBER	Educational tour to the students Awareness programme – Extension activity
7.	NOVEMBER	Guest talk – Biochemistry
8.	DECEMBER	Field visit – Microbiology Workshop – Biochemistry
9.	JANUARY	Field visit – Nutrition and Dietetics Awareness programme – Extension activity
10.	FEBRUARY	Field visit – Biochemistry NATIONAL SEMINAR – 15 <sup>TH</sup> AND 16 <sup>TH</sup>