

CH.S.D.ST.THERESA'S COLLEGE FOR WOMEN (A):ELURU

DEPARTMENT OF APPLIED SCIENCES REPORT 2022-23

ODD SEMESTER

APRIL 2022

- Dr.K.Jyothi Kumari paper Titled "**Immune System Defence Mechanism**"2022 Feb published in Scopus indexed journal - Review of international geographical education- Vol.11 Issue7, p461-472. 12p
- **On 20thApr 2022** Dr.A.Padmavathi received a Copy right for her article "Screening of Potential bacteria for polygalacturonase production from different commercial crop field soils".
- **On 20th of April 2022** Dr. P.Jyothi Kumari miss attended Boards of studies meeting of ASD Govt Degree college,Kakinada as a Subject expert

JUNE & JULY 2022

"A key to achieving success is to assemble a strong and stable management team"--
Vivek Wadhwa

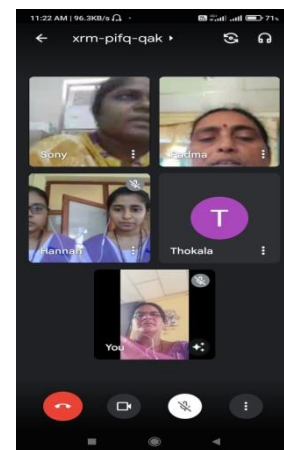
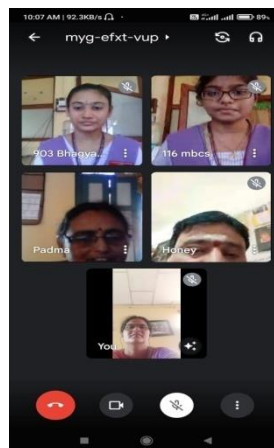
- New management members with vigor and Executive zeal have assumed different positions in campus on **June 1st 2022**. Dr.Sr.Mercy re-assumed as Principal, Sr.Rajitha as Vice -principal and Sr.Suseela as Controller of examination and P.G Directress.



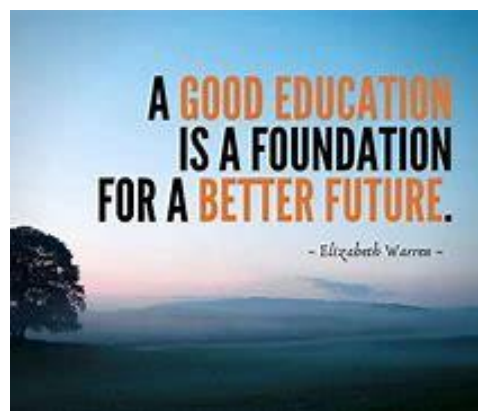
- Biochemistry Demo classes were held for the newly recruited staff- Ms.V.Lalitha Pavani on **June 18th** and Mrs.M.Stella on **July 4th 2022** by the management members.



- **Department of Nutrition and Dietetics had BOS meeting on 15/06/2022 at 11 am.**Dr K.N. Vara lakshmi as University nominee and **Dr Ashlesha** , from Telangana women’s University ,Hyderabad as subject expert and as an alumnae, gave valuable inputs. Ms.Pavani of III MBN and Ms.J.Maha Lakshmi III ZNChe were the student representatives.
- **Department of Biochemistry had BOS meeting on 16/06/2022 at 10 am.**Mr.V. **Ramesh** Assistant professor in Biochemistry DNR College Bhimavaram was the Subject Expert . He gave valuable inputs and suggestions . Ms.Bhagya of III MBche, and Ms.Pallavi III MBComp were the student representatives.
- **Department of Microbiology had BOS meeting on 16/06/2022 at 11 am.** Mrs. **T.Sony** Assistant professor in Microbiology Govt.Degree College, Rajahmundry was the Subject Expert. She gave valuable inputs and suggestions . Ms.Hannah Mathew of III MBche, Ms.Sujana III MBN were the student representatives.



Community Service Projects for the Academic 2020-2023 batch students



- **As a Part of curriculum Community Service Projects** for students were taken in **NUTRITION** for the Academic year 2020-2023 which include - "A study on the food as immune boosters during Covid -19, Post vaccination and its effects on subjects taken covaxin and covisheild, Preparedness of Covid -19, Covid-19 vaccination done in selected areas of Eluru". **Total 41 students participated 22 from ZNChe and 19 from MBN Guided by Dr.P.Jyothi Kumari and Mrs. B.Radha.** On **28th of June Viva -Voce** was conducted **Project external was Dr.K.Swarna Latha of Chemistry Dept. Internal was Dr.P.Jyothi Kumari.**



- **As a Part of curriculum Community Service Projects** for students were taken in **MICROBIOLOGY** for the Academic year 2020-2023 -"A Survey on Socio economic Status of people during third wave of COVID 19 in selected Households of Eluru District". **Total 43 students participated, of which Dr.A.Padmavathi guided (21), Dr.Y.Neeraja (22) respectively.** On **23, 24 and 28th of June Viva -Voce** was conducted **Project external was Dr.S. Pratima of Zoology Dept. Internal was Dr.A.Padmavathi.**



- **As a Part of curriculum Community Service Projects** for students were taken in **BIOCHEMISTRY** for the Academic year 2020-2023 batch which include - "A Survey on Socio economic Status of people on third wave of COVID 19 in selected Households of, Eluru District". **Total 25 students participated Guided by Dr.A.Padmavathi, Dr.Y.Neeraja.** On **23,24 and 28th of June Viva -Voce** was conducted. **Project external was Dr.S. Pratima of Zoology and Internal was Dr.A.Padmavathi**



- **Dr.Y.Neeraja** was the **external** for the Community Service Projects(CSP) in Zoology Department for 2020-23 batch students



- We welcomed the newly recruited members **Ms.V.Lalitha Pavani**, and **Mrs.G Stella** in the department of Biochemistry for this academic year 2022-23 to be part of our team".

Community Service Project for the Academic 2021-2024 batch students

- As a Part of curriculum Community Service Projects were taken in **NUTRITION** department for the Academic 2021-2024 batch students which include -"A Study on Awareness on vaccination its impact", "A Study on Awareness on vaccination Schedule in young girls age 18-25 years", "A study on effects of Post Covid -19 Vaccination" **Total 30 students participated 14 from ZNChe and 16 from MBN Guided by Dr.P.Jyothi Kumari and B.Radha.** On 5th of July Viva - Voce was conducted **project external** was **Dr.K.S.V.K.S.Madhavi Rani** Dept .of Zoology ,**Internal** was **Mrs.B.Radha.**



- As a Part of curriculum Community Service Projects were taken in **MICROBIOLOGY** department for the Academic 2021-2024 batch students which include -"A Study on immunization schedule at different health centres" **Total 22 students participated Guided by, Dr.Y.Neeraja.** On 5th of July Viva -Voce was conducted. **project external** was **Dr.S. Pratima** Dept. of Zoology Internal was **Dr.A.Padmavathi.**
- As a Part of curriculum Community Service Projects were taken in **BIOCHEMISTRY** department for the Academic 2021-2024 batch students which include -" A Study on immunization schedule at different health centres" **Total 13**

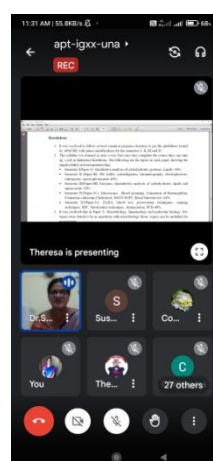
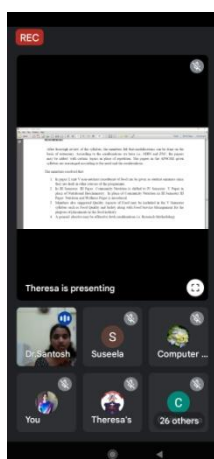
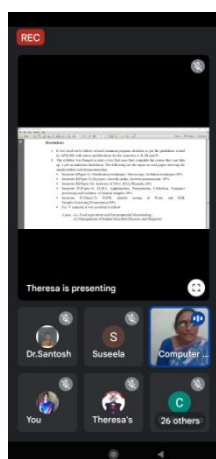
students participated **Guided by Dr.A.Padmavathi.** on 5th of July Viva -Voce was conducted **project external was Dr.S. Pratima of Zoology Dept. Internal was Dr.A.Padmavathi.**

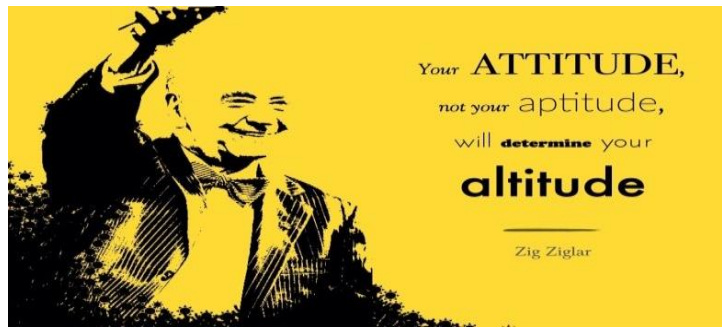


- **Dr.Y.Neeraja** was the **external** for the Community Service Projects(CSP) in Chemistry Department for 2021-24 batch students



- **On 8th July 2022** Academic Council meeting was conducted online mode and **Mrs.B.Radha , Dr.A.Padamavathi, Dr.Y.Neeraja** represented the depts. of Nutrition ,Microbiology and Biochemistry respectively...

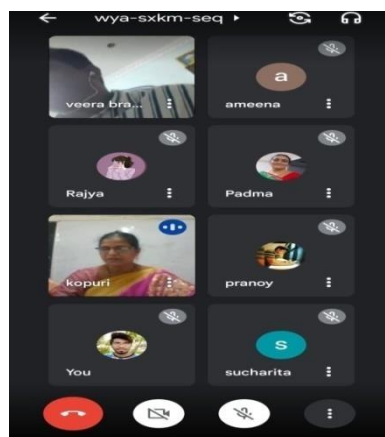




- On 11th July as a **START UP Programme** five **III MBN students**(R.Rishitanjali-202002,P.Pavani-202050,S.Anuhya-202044, Ch.D.S.S.P.Padmavathi 202049, V.Sailaja-202043) **and two ZNC Students** (M.Vineetha-201800, K.Florence-201851) developed a recipe with ingredients having highly nutritional value named- **Alpha Bites**. It's a snack suitable for all ages. The product was evaluated by panel of five members from zoology, Home-science, Chemistry and Managements studies depts. The feedback was highly encouraging and the panel advised to take it as a start up.



- On 13th of July Dr.A.Padmavathi miss attended Boards of studies meeting of **SRR and CVR Govt Degree college Vijayawada** as a Subject expert.



- On 13th,14th July 2022 ,Dr.Y. Neeraja ,Asst professor in Microbiology attended Two days seminar on "**Innovation ensuring Quality in institution of Higher Education located in Rural Area**" Conducted virtually by Shree Chanakya Educational

Society, Indira College of Engineering and Management, Maharashtra, Sponsored by NAAC



- In the Month of July **Ms.Hannah Mathew of III MBChE** completed her 6 month internship on "Hydroponics and applied Bio-Science research" at **Adelbert Innovation Research Centre, Kochi.**
- **Dr.Y. Neeraja** , Asst professor in Microbiology was appointed as **Chief Superintendent for II semester examinations** which were held from **July 26th to 6th August 2022.**



Subject Internships/ In House projects:



Nutrition internships all are In- house projects

- A study on SAM & MAM children and pre-school children attending Anganwadi school
- A study on supplementary foods provided for children at Anganwadi centres and Awareness among beneficiary mothers

- In house Project –Product development
- A study on the services available in Anganwadi centers in the selected areas of Eluru district
- A study on the impact of anaemic pregnancy on low birth weight babies attending anganwadis in the rural areas of Eluru district.
- **Total 41 students** participated, **22 from ZNChe** and **19 from MBN** , **Guided by Dr.P.Jyothi Kumari and B.Radha.** on July 30th Viva -Voce was conducted for internship and In- house projects ,**Projects External** was **Dr.K.S.V.K.S.Madhavi Rani** of Zoology,Dept. **Internal** was **Dr. Jyothi Kumari.**
- Microbiology and Biochemistry internships were done at different Laboratories. **Name of the laboratory and the number of students are as follows**
 - TCABS-E- Vizag(Andhra University)- 11,
 - Good Samaritan Cancer Hospital,-Vangai gudem- 8
 - Vijaya Milk Factory,Vijayawada- 5
 - Surya BIOAAA Products P Ltd-Vatluru- 6
 - Dr.MJ probaq Aqua Care,Nuzeevedu- 3
 - KIMS Hospital,Rajahmundry- 9
 - KN BIO Sciences,Bachupalli miyapur Road- 3
 - Dr.V.D.Chaitanya Prasad-Doctors Diagnostics Centre(DDC)R.R.Pet,Eluru - 3,
 - ABC Imaging labs,Dorankal road,Surya Pet,Vijayawada -5
 - Nekkanti Sea foods Vishakapatnam-1
 - Deepu Diagnostics,Anathapur-1, Eluru Hospitals-2
 - In House project- 10
- **A Total 70 students** were for in house projects guided by **Dr.A.Padmavathi and Dr.Y.Neeraja.** On **29th and 30th of July** Viva -Voce was conducted. **Project external** was **Mrs.Bhanu Prasanna** of Home Science Dept. **Internal** was **Dr.A.Padmavathi.**

surya bioaaa private limited



Biofertilizer production

Microbiology



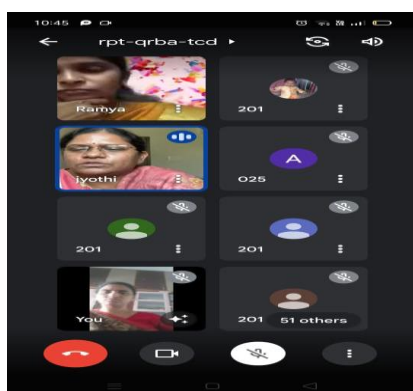
Vijaya Milk Factory

biochemistry
Kims



AUGUST 2023

- **On August 1st 2022** Bioremediation of oil spills using naturally occurring microbes A Chapter Written by **Dr.A.Padmavathi** has been accepted with content unaltered to publish in the book" **Environmental Conservation, Challenges Threats In Conservation Of Biodiversity Vol-4**".
- **On August 2nd 2022** Department of nutrition and Dietetics conducted guest talk on **Importance of Breast feeding in modern times, risks and challenges in the perspective of young women**. Dr.Ramya Sikka, M.Sc., Ph.D Clinical Dietitian from Chennai, St. Joseph's Hospital as the **resource person**.



- **On August 3rd** as a part of breast feeding week celebrations **Recipe contest** was conducted by the dept. of Nutrition & Dietetics on "**Lactogogues**" Judged by Dr.Nirmala Jyosthna HOD of Physics Department. Ms.Rishitha of III MBN -202036 prepared Bread Malai "and she won Second prize.



- **From August 8th to 14th August 2022**, Dr.P.Jyothi Kumari ,Associate professor in Nutrition and dietetics attended 7 days International Faculty Development Programme on "**Emerging trends in Food Processings**" Conducted by Hindusthan Educational institutions,Coimbatore



- **On 11th August 2022** "Poster painting competition" was conducted by the dept.of women's Cell as a part of "Azadi Ka Amrit mahotsav" Ms.R.Rishitanjali of III MBN -202002, Won 1st Prize and Ms.Sk.Sharmila III MBN -202020 Won Second Prize

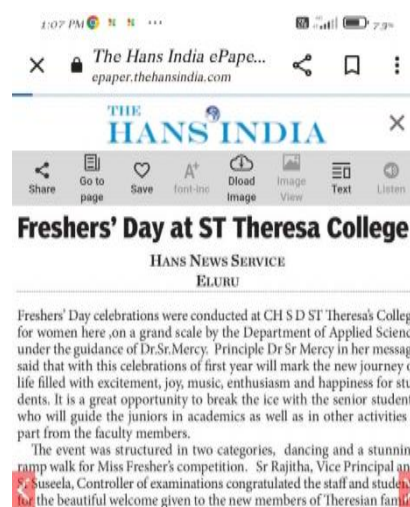


- **On 15th of August 2022** "Unsung Heros- a fancy dress competition" was conducted by the dept.of English as a part of "Azadi Ka Amrit mahotsav, in which N.Kumari of III MBN -202055 won second prize for the role Jhansi ki Rani



- ✚ On the occasion of breast feeding week celebrations a recipe competition was conducted by PG Clinical Nutrition in which **Ms.K.Kanakavalli Tayaru** of **IIIZNC** won 3rd prize.
- ✚ **Freshers day celebrations** were held at CH.S.D.ST.THERESA'S COLLEGE for women (A) ELURU, on a grand scale under the able guidance of Dr.Sr.Mercy. **27th August 2022** was a memorable day in life of every fresher who stepped in to the portals of CH.S.D.ST.THERESA'S COLLEGE for women(A)ELURU. The

inauguration event was started by invoking God's blessings. First year students were welcomed with enthusiasm by Final year students, principle Dr.Sr.Mercy in her message said that there should be a friendly atmosphere in the campus, the senior students must guide the juniors in academics as well as in other activities. Sr.Rajitha, vice principal and Sr.Suseela, Controller of examination congratulated the staff and students for the beautiful welcome extended to 1 Year students. The event was categorised as cultural and Miss Fresher competition. Audience enjoyed the ramp walk. There was a questionnaire round to shortlist the participants. There was a tough competition. The dances were of big entertaining. These celebrations were organized by the department of applied science.



- Dept of Applied Sciences, organized a **Guest talk on microbial Inoculants- Entrepreneurial opportunities for Biologists** under the guidance of Principal Dr. Sr. Mercy on **30th August 2022** to the final year students . **Mr Pavan kumar .C , Director of Surya Bio AAA pvt.Ltd** was one of the resource persons. He spoke at length on production of different Biofertilizers, and the importance of these for plant growth promotion and also on how one can start a biofertilizer industry on a small scale.



- Another talk on Azolla production and its importance was given by **Dr. A Padmavathi, H.O.D of Microbiology and Biochemistry, CH.S.D. St. Theresa's college for women, Eluru.** Students participated enthusiastically. Sr.Rajitha Vice Principal, and . Sr.Suseela controller of Examinations congratulated the staff and students for organising the programme and also mentioned that programmes like this will help the Young Biologists to go for startups.



SEPTEMBER 2022

National Nutrition week 2022-2023 was celebrated from **1st Sep to 7th Sep** with the theme "**celebrate the world of flavours**"

- On the occasion of National Nutrition week, the Principal Dr.Sr.Mercy said, "Nutrition week is observed to raise awareness about the importance of nutrition and adaptive eating habits in order to live a healthy life". A nutritious diet plays an important role in the overall well being of an individual .The week began with the organization of an **exhibition** on the theme of **Eat fruit as a drive** held on September 1st, 2022 and a **Quiz competition on the theme of fruits** was also organized, where participants showcased their enthusiasm by actively participating in the quiz. **M. Jahnvi of II B.Sc H.Sc -212420 won first prize, K.Amrutha of III MBChE won second Prize**



- On the same day fruits were distributed to school children at Kotadhibba By Dr.P.Jyothi Kumari and Dr.A.Padmavathi and Lioness member Mr.Hema Sundar Sir



- On the 7th Sep, a canteen was organized by the nutrition students where in various healthy dishes were displayed, received encouragement from staff& students. The nutrition students were prepared and sold as part and to gain knowledge of practical...



- On the 17th Sep,2022 Miss.Hannah Mathew participated in power point presentation competition on OZONE DAY on "Global Cooperation to protect life on earth "conducted by department of chemistry and banded first prize



- On 23rd and 24th September 2022, Andhra Loyola college Vijayawada conducted SAMIKSHA-2K22 cultural competition. M.Jahnavi III MBCS, D.Dwarathi, S.Leela Sai Nandini, N.Jahnavi -III MBN have participated in one act play and bagged First prize.



OCTOBER

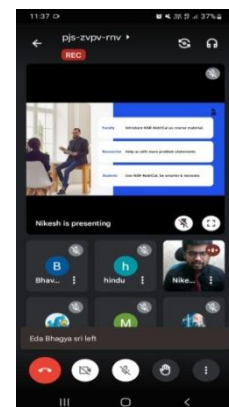
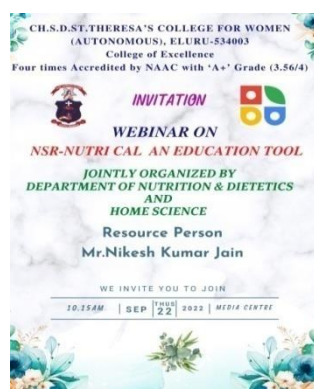
- On October 8th October, 2022 as a part of curriculum, Department of applied science-Nutrition students visited Alluri Seetharama Raju Academy of Medical science (ASRAM) and visited Hospital Kitchen layouts, Canteen and Dietetics.



- On 18th October, 2022 Dr. Y. Neeraja acted as guest of honour to BC Social welfare Hostel fresher's day celebrations.



- On 22nd October, 2022 department of Nutrition and home science jointly organised an online webinar on NSR- NUTRICAL-AN EDUCATIONAL TOOL with resource person Mr. Nikesh Kumar Jain (Pune).



- On 22nd October 2022 Dr.A.Padmavathi attended online Boards of studies meeting of PVKN(A) Govt.College Chitoor, as a Subject expert.



- On 26th October, 2022 Department of Nutrition and Dietetics started **Anaemia eradication** program in collaboration with Zoology department



- On 29th October, 2022 as a part of Ayush club activity Department conducted Brain Zim Activity. Mrs.Radha and Mrs.Stella.and later Mrs V.Lalitha Pavani lecturer in Nutrition &Biochemistry gave a guest talk on "Objectives and importance of Ayush Club" to the first year applied students.

