

**Department of Agriculture B.Sc.**  
**2023-24 Activities**

**July 2023:**

- 1. 12<sup>th</sup> July 2023: Orientation program** – Agriculture department faculty and Students organized Orientation program to first year B.Sc. Agriculture students and their parents in media centre on Wednesday. Dignitaries of our college, Dr.Sister Mercy, Principal, Sister Maria christia, Vice-Principal and Sister Suseela, Controller of Examination inaugurated the Agriculture B.Sc. course by lightening the lamp and started the classes. Agriculture subject specialists Sambasivarao garu and Khader valli garu, Management members of global professional studies, A.P. interacted with students and parents and discussed the course outcomes and scope of Agriculture in future.



- 2. 17<sup>th</sup> July 2023: Preparation of paddy Nursery as a part of Agronomical practices-** Students of B.Sc Agriculture has actively involved in preparing Nursery beds for cultivating Rice varieties like BPT 28419(Black rice) & BPT 5204 (Sonamasuri) through students has gained the knowledge on Nursery Bed preparations for cultivation practices.



**3. 22<sup>nd</sup> July 2023: Establishment of Mushroom Cultivation unit as the part of Skill Development program** - Students of B.Sc Agriculture has actively involved in establishment of Mushroom Cultivation Unit, As a part of Skill Development programme Students has actively engaged in cultivating of Milky Mushroom, through this activity students learned the process of Mushroom Cultivation, in which they gained knowledge of room sterilization and learned compost preparation ,filling of compost and sprinkling of mushroom spawn and processing.



**August 2023:**

**1. 3<sup>rd</sup> August 2023: Seed Bed Preparation-** Students of B.Sc Agriculture has actively involved in learning and preparation of various types of seed beds like Flat, Raised, Ridges and Furrow types of seeds in the field



2. **9<sup>th</sup> August 2023: Puddling and transplanting practices of Black Rice (BPT 2841)-** The practice of Puddling was done by the Students of B.Sc Agriculture for transplanting the black rice in the field, puddling practice was done manually by the students without using puddlers, later rice seedlings were uprooted from the paddy nursery and transplanted in the main field by adopting 20×10cm spacing level.



3. **18<sup>th</sup> August 2023: Horticulture cropping practices-** Students of B.sc Agriculture was actively involved in learning and practicing tillage and planting horticulture crops like bitter gourd, beans and Mari Gold in the fields.



4. **19<sup>th</sup> August 2023: Transplanting of Samba Masoori rice in the departmental field (BPT5204)** - The Students of B.Sc Agriculture transplanted the Samba Masoori rice on well puddle soil after 31 days of nursery period of rice, the spacing followed in the transplanting of BPT5204 is 20×10cm.



5. **30<sup>th</sup> August 2023: Guest lecture** - Guest lecture on the topic “Impact of chemical on Agriculture and importance of Agriculture for future decades”- Dr. P. Lakshmana swami H.O.D of Agriculture of Maristella College, for the B.Sc Agriculture and Rural development



## September 2023:

- 1. 21<sup>st</sup> September 2023: Plantation Programme-** As the part of campus green initiative programme, Department of B.Sc.Agriculture and Rural Development with DCB bank cooperation planted 100 horticultural Plant (sweet lemon Water Apple pomegranate, Spices etc). Cluster manager Hari Hara Prasad sir, Kalayan Chakravarthi Head of DCB and regional Bank Head Lakshmi Narayana has supported the programme by donating sapling under corporate Social responsabilty, the programme was successfully with the helping hand of Sankalpatharu a NGO. The programme was inaugurated and blessed by Principal sister Dr.Sr.Mercy and Sr.Maria Christia Vice principal and Various Head of department. The students of Agriculture as actively involved in taking in charge of the programme and planted the plants.



- 2. 29<sup>th</sup> September 2023: Demise of Dr.M.S.Swaminatham-** On The Demise of Dr.M.S.Swaminatham, Students of Agriculture B.Sc showed their gratitude by sharing the achievements of Dr.M.S.Swaminatham, fater of Indian Green Revolution, who actively took part in promoting Agriculture in india by introducing high yield varieties ( HYV). Students have shared the life and achievements of Dr.M.S.Swaminatham through a video to all the students.



**October 2023:**

- 1. 3<sup>rd</sup> October 2023: Cultivation of Field Crops-** For the Students of II year Ag.B.Sc. allotted the plots in the field for cultivation of field crops. Each plot size is 20.25m<sup>2</sup>. Various crops like sweet corn, bajra, black gram, green gram etc. are sown in their plots. After sowing various intercultural operation are done by students in their respective plot. Total 14 plots allotted in land area of 0.50 acre.



2. **13<sup>th</sup> October 2023: Guest lecture by Rh. Dahiya, Vice-Chancellor of Jayoti Vidyapeeth Women University, Jaipur** - Rh. Dahiya Vice-Chancellor of Jayoti Vidyapeeth Women University, Jaipur. Dahiya mam interacted with agriculture students and gave lecture on importance of agriculture and development of agriculture over a period of time. She indeed explained the potential of a girl as Agri-graduate and the richness of a farmer who has the knowledge of land. Mam shared her journey of experiences as an Agriculture graduate to a Vice-Chancellor.



3. **14<sup>th</sup> October 2023: Guest lecture by Br. Satish Babu garu-** Students & Faculty of Ag.B. Sc attended the guest lecture given by G. Satish Babu, Prominent Organic Farmer in Eluru, A.P. He advised the students to choose organic products over inorganic or chemical residual-based products. Satish babu garu suggested to take plant based healthy foods and explained the impact of junk food on health.



4. **16<sup>th</sup> October 2023: Celebration of Women Agriculture Day** - Students of I year and II year Ag.B. Sc celebrated Women Agriculture Day which is popularly known as International Day for Rural women (15<sup>th</sup> October). They acknowledge the importance of rural women in the society and executed the short journey of rural women who turned out as a great entrepreneur. They depicted the journey in the form a skit.





## November 2023:

- 1. 21<sup>st</sup> November 2023: Black rice harvest-** Students from B.Sc. Agriculture of St. Theresa college, Eluru done their first harvest on Black rice. Principal Sister Mercy started the harvesting process. All other sisters and HOD's of Various departments, staff and students visited the fields and participated in the harvesting of black rice and the students who cultivated this crop have explained the importance of black rice consumption. They all encouraged and congratulated the faculty and students of B.Sc. Agriculture.



- 2. 26<sup>th</sup> November 2023: Field trip to Kanha shanthi vanam-** Students from B.Sc. Agriculture of St. Theresa college, Eluru along with the teaching faculty visited Kanha shanthi vanam. Prime minister shri Narendra Modi addressed the gathering for a collective meditation session at the world's largest meditation centre, Kanha shanthi vanam. This place was an ecological paradise, a place for spiritual retreat, where you can experience simple living in-tune with inner and outer nature. The motto of this was to engage students in their own growth that bring

emotional and social intelligence as well as confidence and balance through simple lesson plans and activities. It mainly focuses on positivity and developing growth mindsets.



- 3. 27<sup>th</sup> November 2023: Learning about landscaping at Yatra Garden-** Students from B.Sc. Agriculture of St. Theresa college, Eluru along with the teaching faculty visited Yatra Garden at Kanha shanti vanam. It was built with theme-based landscaping by using different ornamental and flowering plants. The Yatra Garden is a place of silent contemplation and reflection, where you spend time in a series of beautiful gardens that have been designed in the form of journey through the chakras of energy in the human system. There are 13 chakras each phase of chakra of a garden is designed with a particular colour-based theme of landscaping. It was very good opportunity for the students to experience beautiful landscaping of ornamental plants.



4. **27<sup>th</sup> November 2023: Visit to tissue culture laboratory** - Students from B.Sc. Agriculture of St. Theresa college, Eluru along with the teaching faculty visited tissue culture laboratory where students have learned about the technique in which fragments of plants are cultured and grown in a laboratory. This laboratory was developing the endangered species like red sanders, and *Syzygium Travncocrium* (Kerala jamun), the centre is producing teak and other species tissues. They have explained the complete process of tissue culture technique, starting from selection of plant tissue to the hardening of those tissue cultured plants in poly house or green houses. It was a great live practical learning experience to the students



5. **27<sup>th</sup> November 2023: Visit to heartyculture nursery** - Students from B.Sc. Agriculture of St. Theresa college, Eluru along with the teaching faculty visited hearty culture nursery established by Heartfulness team at Kanha shanthi vanam. This nursery was doing some pioneering work in nurturing rare and endangered species of plants in an 100-acre mega nursery in which many endangered medicinal plants, ornamental plants, flowering plants and fruit plants were developed and being maintained by their team. Students have learned about many such benefits and techniques of nursery maintenance.



**6. 27<sup>th</sup> November 2023: Visit to Biochar unit at Kanha Shanti vanam.** - Students from B.Sc. Agriculture of St. Theresa college, Eluru along with the teaching faculty visited biochar unit at Kanha shanti vanam. As Agricultural biomass is considered as the most abundant renewable resources. Main sources and feedstock of biochar include crop straw and residues, animal manures, fruit pits, twigs, and leaf litter forestry wastes as well as food leafover and bagasse are used for preparation this biochar. This was a great opportunity for students to learn an entrepreneurial idea of establishing a small biochar unit establishment it would definitely help the student to get a proper idea of establishing a small-scale business unit that can make our students a future entrepreneur.



**7. 28<sup>th</sup> November 2023: Visit to Botanical Garden** - Students from B.Sc. Agriculture of St. Theresa college, Eluru along with the teaching faculty visited Sri Kotla vijaybhaskar Reddy Botanical Garden in Hyderabad, located in Kothaguda,HITEC City. The aim of the garden is to conserve and develop the germ plasm and to educate the people. Garden is divided into 5 phases, the sections include medicinal plants, timber trees, fruit trees, ornamental plants, aquatic plants, bamboos and so on. The park is designed to have large water bodies, rolling meadows, natural forests, rich grasslands and rock formations. Students got a good opportunity to explore all such beauty of the garden.

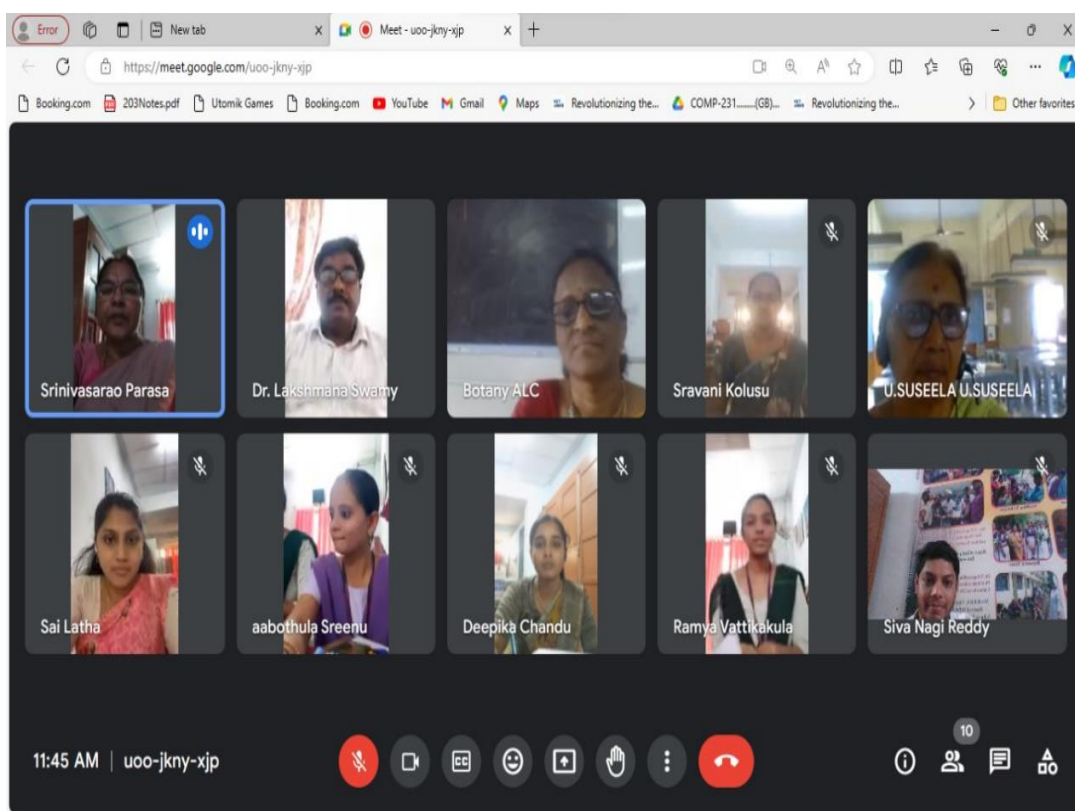


## January 2024:

1. **12<sup>th</sup> January 2024: Celebration of Harvesting festival Pongal** - Students of I Year and II Year Ag. B.Sc. Celebrated the Harvesting festival Pongal (12 th January). Students have organized a food stall by using the produce which has been harvested from the field. Students themselves raised their crops like Samba Masuri and Black Rice in field by following the organic cultivation and after the harvest the produce which obtained has made into delicious food recipes like Chakara Pongal with Black rice, paramanamu with Samba Masuri, dosa with black rice and many other recipes along with these. They also kept these rice packets for the sales. Principal Sister Mercy and the chief guest of SET WELL members inaugurated the food stall, All other sisters and HOD's of various departments and staff members tasted the recipes and appreciated the students for their efforts and dedication.



- 2. 23<sup>rd</sup> January 2024: BOS Meeting organized-**The Boards of Studies meeting in Agriculture was held on Tuesday in Agriculture department. Dr. B. Siva kumari, HOD of Botany, Andhra Layola college (A), Vijayawada as University nominee, Dr. P. Lakshman swamy, HOD of Agricultural sciences, Maris Stella college (A), Vijayawada as External subject expert. Dr. B.B.R.G Vijaya Lakshmi, HOD of Botany, Mr. V. Siva Nagi Reddy, Ms. Ch. Lakshmi Deepika, Ms.K.Sravani, Ms.P.Sai Latha ,Lecturers in Agriculture B.Sc. were internal subject experts and Ms. K. Jaya phanisri and Ms.P.Hema bhavani II Ag. B.Sc. were Student Representatives.



## February 2024:

- 1. 1<sup>st</sup> February 2024: Organic vegetable production** -To produce the chemical free and high nutritive vegetables and also to maintain soil health in college campus, 1<sup>st</sup> and 2<sup>nd</sup> year students of Agriculture cultivated different types of vegetables purely in organic manner by using manures and organic pesticides in the Kitchen garden near the community college at Ch.S.D.St. Theresa's College for Women (A), Eluru. Different types of Chilli like bullet chilli, suryamukhi chilli and bajji mirchi and tomato types like Black cherry tomato, red cherry tomatoes and yellow tomatoes seeds were sown on nursery beds. After 25 days of sowing, Seedlings were transplanted in mainfield. Students harvested and marketed all the types of vegetables grown in the campus to staff. Principal Dr.Sr.Mercy.P, Vice Principal Sr.Maria Christia congratulated the Agriculture faculty and students.





2. **12<sup>th</sup> February 2024: Vegetable Seed extraction and production** - Students cultivated different types of Chilli like bullet chilli, suryamukhi chilli and bajji mirchi and of tomatoes like Black cherry tomato, red cherry tomatoes and yellow tomatoes seeds in their field plots. After 90 to 150 days of planting, well ripend tomatoes and chillies were harvested . The harvested Tomatoes were squeezed to collect juice in the containers with water and left apart for 3-4 days for fermentation. Thus fermented extract was drained and bottom retained seeds should be washed thoroughly. After subsequent drying, the seeds were packed in zip-lock bags. The well ripened and dried chilli seeds were also extracted. Students marketed all these types of vegetables seeds extracted in the campus to staff. Principal Dr.Sr. Mercy.P, Vice Principal Sr.Maria Christia congratulated the Agriculture faculty and students.



**28<sup>th</sup> February 2024: National Science Day celebrations** – Agriculture students and faculty of Agriculture celebrated National Science Day on Wednesday at 10.00 am. Students exhibited different Agricultural charts and projects on soil types and their classification, Textural class of soils, Cereals & oil seeds collection, Millets & pulses crops. They explained the importance of millets and their nutritional benefits to supplement cereal crops to various school students. Students enriched their knowledge about different Agricultural crops like cereals, millets, pulses, oilseed crops, nursery raised seedlings of Black cherry tomato, Bullet chillis and also about improved research techniques in Agriculture.



**March 2024:**

1. **16<sup>th</sup> March 2024: Drone technology demonstration** - Students of Agriculture B.Sc. in CH.S.D. St Theresa's College involved in demonstration of drone application in Banana fields of local farmers in co-ordination with ICAR – IIOPR. Pesticide application was done in 14 acres of banana fields using drone technology. Drone application is time saving, reduces labour cost and spraying only required amount of chemicals there by optimizing the overall cost of cultivation for the farmers. Students gained immense knowledge on advantages and effectiveness of drone application over other traditional methods of applications in fields of local farmers. Dr.M.V. Prasad garu Principal Scientist of IIOPR Pedavegi, Mr. Satish Pilot, Mr. Ajay Sri Ram prominent farmer of banana fields, Dr.Vijaya Lakshmi, HOD of Botany and Agricultural faculty members and students involved in the demonstration of drone technology.



**April 2024:**

1. **22<sup>nd</sup> April 2024: World Earth Day celebrations-** Agriculture students celebrated world Earth day on 22<sup>nd</sup> April 2024 and reminded the importance of environment conservation and sustainability, encouraging us to come together and take action for a healthier planet and brighter future. They also aimed to increase awareness about the issues constantly depleting our planet's health through their dance performance and also by pannel discussion. Principal Dr.Sr. Mercy.P, Vice Principal Sr.Maria Christia and Heads of

various departments participated and congratulated the Agriculture faculty and the students.

