

Department of Botany Annual Report 2019 - 2020

College was reopened on 6th June 2019 for the academic year 2019-20. Prayer was conducted by Management for the staff. Dr.Sr.Marietta D’Mello, Principal welcome the staff for new academic year. A general body meeting was conducted by Principal Dr.Sr. Marietta D’Mello for the faculty members and assigned the duties such as time table setting, work load allotment and planning of department activities for the academic year 2019-20. Management organized one day seminar on “Higher Education” by Fr.Prasad Marineni, Nalgonda to the staff. Classes were started on 11th June 2019 for II & III-year degree students and on 19th June 2019 for I Year degree students.

Number of BZC students on the rolls for the academic year 2019-20

S.No	Class	No: of students admitted	No: of students left	No: of students newly admitted	Present strength
1	I BZC	74	2	-	72
2	II BZC	71	9	-	62
3	III BZC	68	6	-	62

Work load of Botany was distributed equally among 3 members of the department. Syllabus was planned & classes were taken accordingly. Faculty members succeeded in taking classes regularly and completed the syllabus in time.

Result: April 2019 results

S.No	Class	Paper	Semester	No. of students appeared	No. of students passed	No. of students failed	Pass percentage
1	I BZC	II	II	59	56	3	94.92%
2	II BZC	IV	IV	60	58	2	96.67%
3	III BZC	VII	VI	62	62	Nil	100%
4	III BZC	VIII A1	VI	20	20	Nil	100%
		VIII A2	VI	20	20	Nil	100%
		VIII A3	VI	20	20	Nil	100%

To improve the subject skills of average and above average students, the teaching and learning methods implemented were, Power point presentations, Seminars, Discussions, Quiz Programmes. For the slow learners Field study, Group study, Question & Answer sessions methods were implemented during remedial coaching.

II, IV, VI semesters were started on 1st November 2020. Faculty members succeeded in taking classes regularly and completed the syllabus in time. Remedial coaching was given to the students who got less marks in periodicals to improve their performance in semester end examination. All the topics were revised to all I, II, III years with the help of power point presentations, Seminars, Group discussions and Quiz programmes.

Innovative methods like short time seminars, group study, field study and Question & answer sessions are implemented to improve the knowledge levels of average and above average students. Constant watch by the faculty members on attendance to improve the regularity of the students.

Result: October 2020 results

S.No	Class	Paper	Semester	No. of students appeared	No. of students passed	No. of students failed	Pass percentage
1	I BZC	I	I	71	67	04	94.37%
2	II BZC	III	III	61	60	01	98%
3	III BZC	V	V	58	58	Nil	100%
4	III BZC	VI	V	58	58	Nil	100%

Botany Activities 2019-20

College activity:

1. **1st October 2019: St.Theresa Feast** – Botany department celebrated St.Theresa feast as college activity in the multipurpose hall at 9 am on the behalf of management, staff and students. On the eve of St. Theresa's feast the programme was commenced with a prayer. The students depicted the life history of St. Theresa through a skit and song. All the staff and students wished the sisters and expressed their token of love and gratitude by offering fruits. Principal, Dr. Sr. Marietta D' Mello blessed the gathering on the occasion. Vice principal Dr.Sr.Showrilu greet the staff and students.



Guest Lectures Organized:

1. **20th July 2019: Guest lecture Organized** – Botany Department organized a Guest lecture on Importance of skill up gradation, Research and Placement opportunities to the II & III year degree students under capacity building programme in Multipurpose Hall. Resource person Prof.M.N.V.Prasad, University of Hyderabad.



2. **5th December 2019: Guest lecture** – Mr.G.Bullayya, secretary of Vanantharam & Laya Foundation delivered a lecture on “Importance of Medicinal plants” to IIIBZC students.



3. **7th February 2020: Guest lecture** – Dr.T.Padmavathi, Assistant Professor in Botany, Adikavi Nannaya University, Rajamahendravaram gave a lecture on “Career opportunities in Biological sciences and women sensitizing problems” to IIIBZC students.



4. **7th February 2020: Guest lecture** – Dr.B.Siva Kumari,HOD of Botany, Andhra Loyola College (A), Vijayawada delivered a lecture on “Personality Development tips to Achieve success” to II & IIIBZC students.



Guest Lectures Delivered:

1. **6th December 2019: Guest lecture** – Dr.B.B.R.G.Vijaya Lakshmi, HOD of Botany delivered a lecture on “Importance of Ethnobotanical studies in tribal area - Addathegala” to tribal people.
2. **7th December 2019: Guest lecture** – Mrs.G.Rani, delivered a lecture on “Usage of Ayurvedic medicines in our daily life” to Maddigadda tribal people.
3. **28th January 2020: Guest lecture** – Ms.B.Asha Latha delivered a lecture on “Road safety Measures” to Good news school students.

Orientation programme:

1. **23rd January 2020: Orientation Programme to Intermediate students:** Dr.B.B.R.G.Vijaya Lakshmi organized an Orientation programme to NRI, Sri Chaithanya College Intermediate students in Eluru.

Field Trips:

1. **1st & 2nd September 2019: Field Trip** – Mrs.G.Rani went to Field trip to Addathegala district forest area, collected medicinal plants and interview the Tribals under Minor Research Project.



2. **5th to 7th December 2019: Botanical tour** – Botany department organized a botanical trip to Vananatharam, Addathegala, Maredumilli, East Godavari District. 65 Botany students were attended and benefited. The students prepared Ayurvedic medicines under the guidance of medical practitioner Mr. G. Bullayya. They collected and acquired knowledge on many medicinal plants and their uses in medicine preparation. They visited nearby villages and interviewed the tribal people. They collected herbaria from the Addathegala forest area and herbarium submitted to the department of Botany. Faculty members Dr.B.B.R.G.Vijaya Lakshmi and Mrs.G.Rani accompanied the students.





3. **4th January 2020: Field Trip** – Botany department organized a field trip to III BZC Botany cluster students to Ankannagudem and observed cultural practices of various fruit yielding gardens like Coco, Mango, Cashew, Coconut and Palm oil. They also visited organic kitchen garden and observed 3 varieties of dates, oranges, goose berry, Indian plum (regu), guava and 10 varieties of vegetables altogether 17 varieties are cultivating at Koppakagudem. Ms.B.Asha Latha accompanied the students. Students gained the knowledge about the Organic farming practices.



Seminars attended, papers presented and published:

1. **8th June 2019: Seminar attended** – Botany department members (Dr.N.Nagavardhanam, Mrs.B.B.R.G.Vijaya Lakshmi, & Mrs. G.Rani) attended one day seminar on “Higher Education” by Fr. Prasad Marineni, Nalgonda organized by Management of Ch.S.D.St.Thersa’s College for Women (A), Eluru.
2. **20th July 2019:Seminar attended** – Mrs.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani attended one day seminar on “Intellectual Property Rights and Patents” by Dr.M.N.V.Prasad, Emeratus Professor, Hyderabad University organized by IQAC under RUSA.
3. **8th& 9th August 2019: International Forum attended** - Mrs.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani and Ms.B.Asha Latha attended International forum on “Transformation of Public Health and Community Responsibility” organized by Zoology department in collaboration with Saudi Board Family Medicine Programme, Buraidah, KSA sponsored by RUSA in association with IQAC.

Paper presentation & Publication - Mrs.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani presented a paper on “Azolla-A biofertilizer for Healthy Paddy crop and a Protein Rich Animal feed

Supplement “and published in European Journal of Biomedical and Pharmaceutical Sciences, ejbps 2019, Volume 6, Issue-9,186-188.

4. **27th & 28th September 2019: International Forum attended** - Mrs.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani has participated in the International forum on “Recent Trends in Physics, Chemistry & Allied Sciences for Sustainable Development” organized by Physics, Chemistry Departments in collaboration with IMRF Institute of Higher Education & Research, India, sponsored by RUSA.
5. **29th & 30th November 2019: International Seminar** – Mrs.B.B.R.G.Vijaya Lakshmi attended International Seminar on “ Proceedings of the International Conference Impact of Gandhian Ideals on Socio – Economic, Cultural and Literary Aspects” organized by Ch.S.D.St.Theresa’s Autonomous College for Women, Eluru, AP, IMRF Institute of Higher Education & Research, India.
6. **5th December 2019: National Seminar** – Dr.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani and Ms.B.Asha Latha attended National seminar on “Modern Tools in Evaluation – A shift from Quantitative to Qualitative Techniques” organized by Examination Committee, T-TIPS & Research Wing, Ch.S.D.St.Theresa,s College for Women (A), Eluru.
7. **6th & 7th December 2019: National Seminar** – Dr.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani and Ms.B.Asha Latha attended National seminar on “Recent Trends in Functional Foods in the context of Health and Technology” organized by Department of Applied Biosciences, Ch.S.D.St.Theresa,s College for Women (A), Eluru.
8. **9th January 2020: International Conference –Paper presentation** - Dr.B.B.R.G.Vijaya Lakshmi has participated in the International conference on Latest Research in Global warming, Climate change, Agriculture and Life sciences, Malaysia 2020 and orally presented the paper titled “ Farm waste management – A sustainable energy resource at Munduru, Dharamaraopet villages of Denduluru Mandal, West Godavari Dt, A.P” at University of Malaya, Taman Botani Rimba Ilmu Institut Sains Biologi Fakulti Sains, Kuala Lumpur, Malaysia.
Paper presentation & Published - Dr.B.B.R.G.Vijaya Lakshmi presented the paper titled “Farm waste management – A sustainable energy resource at Munduru, Dharamaraopet villages of Denduluru Mandal, West Godavari Dt, A.P” at University of Malaya, Taman Botani Rimba Ilmu Institut Sains Biologi Fakulti Sains, Kuala Lumpur, Malaysia and published in Life Sciences International Research Journal (2020) Volume 7 Issue with ISSN – 2347 8691.
9. **7th & 8th February 2020: National Seminar** - Dr.B.B.R.G.Vijaya Lakshmi has participated in the National seminar on “Eco-Friendly Technologies for Sustainable Waste Management” organized by Department of Environmental Sciences, Acharya Nagarjuna University, Guntur.

Paper presentation - Dr.B.B.R.G.Vijaya Lakshmi presented the paper titled “Reutilization of Agri waste Management as a Resource at T.Narasapuram village, W.G.District, Andhra Pradesh” at Acharya Nagarjuna University, Guntur.

Workshops and Training programmes organized:

1. **20th February 2020: Workshop** - Botany faculty Dr.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani and Ms.B.Asha Latha organized a Workshop to III BZC students on Nursery and Gardening techniques like ‘Seedling Raising’ Organic Nursery establishment and maintenance at ‘Surya Nurseries’ Kalaparru. Mr. M.Subrahmanyam acted as resource person.



Workshops and Training programmes attended:

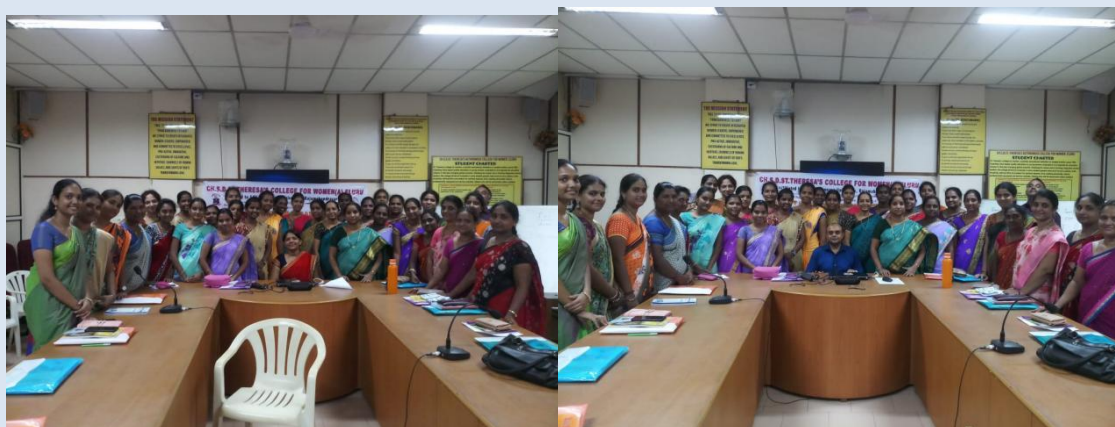
1. **17th June 2019: Training Programme –Preparation of Ghanajeevamrutham** - Botany department organized a Training programme to III B.Z.C students on preparation of Ghanajeevamrutham–Natural manure and create awareness on Organic Farming in Gosamrakshana Samithi, Palgudem. 300kgs of Ghanajeevamrutham was prepared by III B.Z.C students with collaboration of Gosamrakshana Samithi, Palgudem under the guidance of Dr.Murali Krisna.



2. **18th June 2019: Training Programme –Preparation of Dravajeevamrutham** - II BZC students prepared Dravajeevamrutham – Organic manure in Gosamrakshana Samithi, Palgudem under the guidance of Dr.Murali Krisna.



- 3. 8th July to 17th August 2019: Training Programme** – Mrs.G.Rani attended one month training programme on “Communication skills- LSRW” under RUSA, in collaboration with Ch.S.D.St.Therasas’s College for Women(A), Eluru, by Mr.Mahesh Jain, English Pathshala, Eluru.



- 4. 13th July 2019:Seminar attended** – Botany faculty attended a seminar on “Counseling Procedures and skills” by Fr.John Antony and Fr.Innaya organized by Management.
- 5. 22nd August 2019: National Workshop** – Botany department members attended one-day National Workshop on “Contemporary Nano: Synthesis, Characterization and Applications” organized by Department of Chemistry.
- 6. 19th August to 27th September 2019:Training Programme** - Ms.B.Asha Latha attended one month training programme on “Communication skills- LSRW” under RUSA, in collaboration with Ch.S.D.St.Therasas’s College for Women (A), Eluru, by Mr.Mahesh Jain, English Pathshala, Eluru.
- 7. 26th November 2019:Workshop** – Mrs.G.Rani & Ms.B.Asha Latha attended one day workshop on “SWOC Analysis for Teacher Excellence” organized by Department of English, Ch.S.D.St.Theresa’s College for Women, Eluru in association with IQAC.



8. **23rd January 2020: Training Programme** - Dr.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani attended Training programme on “Digital Podium” by Mr.Sai Kumar, Technician from Vijayawada organized by Management under RUSA.

Faculty Development Programme:

2. **14th to 20th November 2019: Faculty Development Programme** – Mrs.G.Rani has successfully completed overseas 7Day- Faculty Development programme on “Innovative Teaching Learning Methodologies” Organized by IMRF Institute of Higher Education & Research Thailand Chapter in association with IIM Australia at Bangkok, Thailand.



3. **8th to 11th January 2020: Faculty Development Programme** – Dr.B.B.R.G.Vijaya Lakshmi has successfully completed overseas 4Day- Faculty Development programme on “Learning Effective Instructional Strategies” Organized by IMRF Institute of Higher Education & Research Thailand Chapter in association with DRPF, Ministry of Education, Macedonia at Kuala Lumpur, Malaysia.
4. **20th February 2020: Training Programme on Kahoot & Plickers:** Mrs.Valli Gayathri, Lecturer in Computer Science gave training on Kahoot and Plickers to take innovative classes for formative and summative evaluation.

Faculty as Resource Person:

1. **9th January 2020:** Dr.B.B.R.G.Vijaya Lakshmi has chaired in the International conference on Latest Research in Global warming, Climate change, Agriculture and Life sciences, Malaysia 2020 at University of Malaya, Taman Botani Rimba Ilmu Institut Sains Biologi Fakulti Sains, Kuala Lumpur, Malaysia.
2. **7th& 8th February 2020: National Seminar** - Dr.B.B.R.G.Vijaya Lakshmi has chaired a session in the National seminar on “Eco-Friendly Technologies for Sustainable Waste Management” organized by Department of Environmental Sciences, Acharya Nagarjuna University, Guntur.

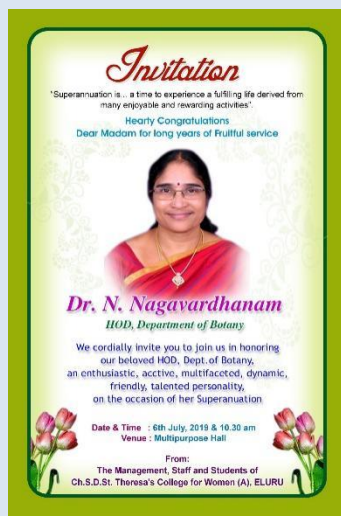
Diploma Course:

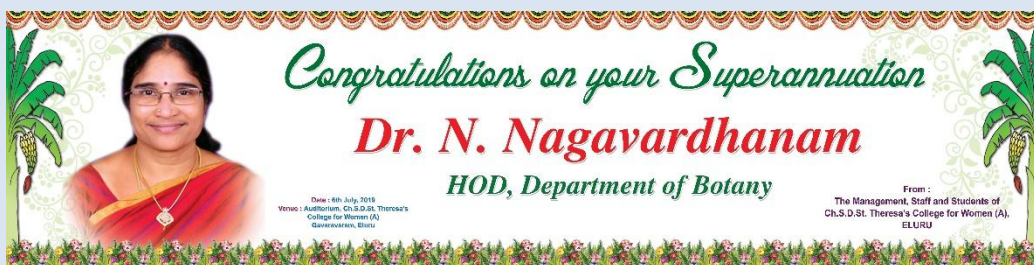
1. **2019 – 2020: Diploma Course** - Mrs.G.Rani and Ms.B.Asha Latha attended Fine Arts Classes and secured Diploma course in Fine Arts organized by Centre for Women’s Studies under RUSA.



Superannuation function:

Botany department organized superannuation programme function to Dr.N.Nagavardhanam for her fruitful service to the college.





Project work:

- 27th June 2019: Project Rough Draft Submission** - 20 III BZC students submitted rough draft of projects on “A Study on Ghanajeevamrutham – Bio-fertilizer an Eco-friendly practice for Sustainable Agriculture”, “A study on Azolla – A bio-fertilizer and sustainable Energy Resource”, “A study on preparation and Applications of NADEP compost” under the Guidance of Dr.N.Nagavardhanam, Mrs.B.B.R.G.Vijaya Lakshmi and Mrs.G.Rani respectively. Dr.P.Jyothi Kumari, HOD of Nutrition reviewed the projects.
- 17th July 2019: Project Viva – External viva panel members:**
 Mrs.Y.Neeraja, Lecturer in Microbiology, Mrs.Sravanthi, Lecturer in Computer science acted as external panel members and Mrs.B.B.R.G.Vijaya Lakshmi, HOD of Botany acted as Internal Viva Panel member. Mrs.G.Rani acted as external Viva panel member to Zoology students.

Topics:

- “A Study on Ghanajeevamrutham – Bio-fertilizer an Eco-friendly practice for Sustainable Agriculture”.
- “A study on Azolla – A bio-fertilizer and sustainable Energy Resource”.
- A study on “Preparation and Applications of NADEP Compost”.

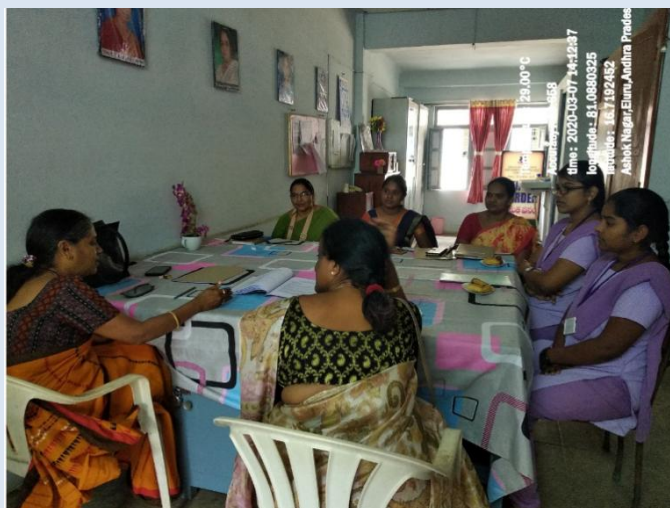


BOS meeting:

1. **2nd March 2020:Preliminary BOS meeting** - Preliminary BOS meeting was held in Botany department and planned for Azenda.

BOS meeting Organized:

1. **7th March 2020:BOS meeting Organized** - The Boards of Studies meeting in Botany was held on Saturday 07.03.2020 at 02.00 p.m. in the Department of Botany. Dr.T.Padmavathi, Assistant Professor in Botany, College of Science and Technology, Adikavi Nannaya University, Rajamahendravaram as External subject expert, Dr.B.Siva Kumari, HOD of Botany, Andhra Loyola College (A), Vijayawada as External subject expert. Dr. B.B.R.G. Vijaya Lakshmi, HOD of Botany was Botany Chair person, Mrs.G.Rani & Ms.B.Asha Latha, Lecturers in Botany were internal subject experts and Ms.N.Bhagavathi Devi, III B.Sc. BZC, Ms. B.Renuka Sai, II B.Sc B.Z.C were Student Representatives.



Botany week celebrations: 8th July to 13th July 2019:

Botany department is organizing Botany week celebrations every year on one theme to bring out the hidden talents of the students. The theme for the year 2019 is 'Plants for Sustainable Environment'. In this connection department organized various competitions like Poster painting, Mehendi competitions, Vegetable carving, Floral carpet, Flower bouquet preparation to the students of various disciplines.

1. **8th July 2019: Plantation** – Botany department organized plantation programme. 30 saplings like Lakshmanan phalam, Custard Apple, Citrus, Mango, Guava and Kadambham were planted in and around college campus. Faculty and I BZC students were participated.



2. **9th July 2019: Mehendi competitions** – Mehendi competition was organized in Botany lab at 3-4pm. 33 students participated. Mrs.Y.Neeraja, Lecturer in Microbiology, Mrs.Subhashini, Lecturer in Chemistry acted as judges.



3. **10th July 2019: Vegetable carving** – Vegetable carving competition was conducted in Botany lab from 3-4pm. 5 students participated. Mrs.B.B.R.G.Vijaya Lakshmi, HOD of Botany, Mrs.G.Rani, Lecturer in Botany acted as Judges.



4. **11th July 2019: Flower Bouquet preparation** – Flower bouquet preparation competition was organized in Botany lab at 3-4pm. 9 students participated. Ms.R.Ripsee, Lecturer in Microbiology and Ms.B.Asha Latha, Lecturer in Botany acted as Judges.



5. **12th July 2019: Poster painting competition** - Poster painting competition was conducted in Botany lab from 3-4 pm on the theme “Green Power”. 15 students were participated.

Dr.K.L.Saraswathi Devi, HOD of Mathematics, Dr.M.Rama, Lecturer in Chemistry were acted as judges.



6. **13th July 2019: Floral carpet** – Floral carpet competition was organized in Botany lab at 3-4pm. 7 students participated. Dr.A.Nirmala Jyothsna, HOD of Physics, Mrs.N.Lakshmi Prasanna, Lecturer in Zoology acted as Judges.



7. **15th July 2019: Azolla Cultivation & Harvesting** – Botany faculty along with III B.Z.C Students established Azolla cultivated unit in the shade net. Harvested Azolla and supplied as food supplement to cattle and cow's of St. Ann's convent to increase the milk production.





8. **9th January 2020:** Botany department organized Botany week celebrations and conducted competitions on various events. Dr.Sr.Marietta D’Mello presented the certificates to all the prize winners.

Prize winners list:

S.No	Event	1 st prize	2 nd prize
1	Mehendi competition	I.Prathyusha – II BZC	N.Sonia- I MBC
2	Vegetable carving	B.Tara Mariamma – III BZC	G.Kavya – II MPC-Isec
3	Flower bouquet preparation	G.Kavya-II MPC - Isec	K.Prasanna- IIBZC
4	Poster painting	G.Kavya Sri-II BZC	K.V.S.Niharika-II MPC-Isec
5	Floral Carpet	I.Likhitha-III H.Sc	S.Dimpu-IBZC



9. **23rd July 2019: Academic competitions** – Botany department organized Academic competitions on “Kalpatharu- Medicinal plants and their products display” in Botany lab. 18 students were participated in this competition. Dr.M.Rama, Lecturer in Chemistry, Mrs.Y.Neeraja, Lecturer in Microbiology acted as Judges.



Group Discussion:

2. **13th February 2020: Group Discussion** - Botany department organized Group discussion to II BZC students on ‘Phyto-hormones role in Agriculture’. 40 students were participated.
3. **14th February 2020: Group Discussion** - Botany department organized Group discussion to III BZC students on “Importance of plants”. 35 students were participated.
4. **15th February 2020: Group Discussion** - Botany department organized Group discussion to I BZC students on “Economic Importance of Micro-organisms”. 46 students were participated.

Quiz:

1. **13th February 2020: Quiz** - Botany department organized Quiz to II BZC students on ‘Phyto-hormones role in Agriculture’. 40 students were participated.
2. **14th February 2020: Quiz** - Botany department organized Quiz to III BZC students on “Importance of plants”. 35 students were participated.
3. **15th February 2020: Quiz:** Botany department organized Quiz to I BZC students on “Economic Importance of Micro-organisms”. 46 students were participated.

Kahoot & Plickers:

1. **20th February 2020: Kahoot & Plickers:** Botany department organized Kahoot & Plickers classes for III BZC students to evaluate the quiz.
2. **24th February 2020: Kahoot & Plickers:** Botany department organized Kahoot & Plickers classes for I BZC students to evaluate the quiz.



Virtual Classes:

Botany department taking virtual classes on every Saturday for I, II & III BZC students in seminar hall – II virtual class room.

1. **25th January 2020: Virtual class** - Dr.B.B.R.G.Vijaya Lakshmi took Virtual classes in Seminar hall – 2 to III BZC cluster students on “Preparation and Applications of Ghanajeevamrutham, Nadep compost”.
2. **15th February 2020: Virtual class** - Mrs.G.Rani took Virtual classes in Seminar hall – 2 to I BZC students on “Lycopodium”.
3. **22nd February 2020: Virtual class** - Ms.B.Asha Latha took Virtual classes in Seminar hall – 2 to II BZC students on “Anther structure”.



Student Seminars:

1. I B.Sc BZC students gave a seminar on Importance of plants in Health, Archaeobacteria, Mycoplasma, Albugo structure & Reproduction, Economic Importance of Bacteria on 9th August to 14th August 2019.
2. II B.Sc BZC students gave seminar on Bentham & Hooker classification, ICBN, Herbarium techniques, Cucurbitaceae, Types of Embryosac, Structure of anther, Types of Endosperm, Polyembryony.
3. III B.Sc BZC students gave a seminar on Mitosis, Mutations, Linkage, Plant cell, DNA Replication.
4. III B.Sc BZC students gave a seminar on Ayurveda system, Naturopathy, Homeopathy, Ecological pyramid, Xerosere, Hydrosere, Components of Ecosystem.



5. **On 3rd January to 29th January 2020:** I B.Sc BZC students gave a seminar on Marchantia Antherediophore, Marchantia Archaeogoniophore, Marchantia Sporophyte, Lycopodium stem, Lycopodium strobili, Anthoceos sporophyte, Marselia Rhizome, Marselia Petiole, Stealar evolution, Pinus Needle, Pinus Stem, Collenchyma, Sclerenchyma, Parenchyma, Rose wood, Neem wood, Red sanders.
6. **On 6th January to 11th January 2020:** I B.Sc BZC students gave seminar on Light phase, Dark phase, C₄ cycle, C₂ cycle, CIM path way, Glycolysis, Krebs's cycle, Transpiration, Vernalization.
7. **On 1st February to 10th February 2020:** III B.Sc BZC students gave a seminar on Jowar, Bajra, Paddy, Pulses, Spices, Beverages, Oils, Vavilov centre's, Embryogenesis, Culture medium, Strilization techniques, DNA mediated gene transfer techniques.
8. **On 7th January to 11th January 2020:** III B.Sc BZC Cluster VIII A1 students gave a seminar on Cut flowers – Carnation, Chrysanthemum, Anthuriums, Gladiolus, Marigold, Rose, Liliium and jasmine, Bud grafting.
9. **On 2nd January to 7th January 2020:** III B.Sc BZC Cluster VIII A2 students gave a seminar on Maize, Horse gram, fox tail, Korralu, Raagulu, Ulavalu, Soya beans, Guava, Orange, Watermelon, Lemon.

10. On 7th January to 11th January 2020: III B.Sc BZC Cluster VIII A3 students gave a seminar on Cocoa, Sugar cane, Mango, Cashew, Oil palm.



Extracurricular Activities:

10. 13th June 2019: Visited Gosala, Koppaka - Botany Staff Dr.N.Nagavardhanam, Mrs.B.B.R.G.Vijaya Lakshmi, & Mrs. G.Rani visited Koppaka- Gosala along with Agricultural department officers and observed Natural Farming techniques.
11. 14th June 2019: Visited Gosamrakshanasamithi, Eluru - Dr.N.Nagavardhanam, & Mrs. G.Rani visited Gosamrakshanasamithi, Eluru and met Gosamrakshanasamithi manager Dr. Murali Krishna.
12. 15th June 2019: Graduation day - Dr. N. Nagavardhanam, Mrs.B.B.R.G.Vijaya Lakshmi, Mrs.G.Rani and Ms.B.Asha Latha actively participated in graduation day celebrations.
13. 19th June and 24th June 2019: Azolla Cultivation - III B.Z.C Students cultivated Azolla in the Green house under the guidance of Mrs.B.B.R.G.Vijaya Lakshmi.



14. 28th June 2019:Herbal garden – Established medicinal garden62 medicinal plants were planted in the Herbal garden by II B.Z.C students.



15. **4th July 2019: Vanamahosthavam** - On the eve of Vanamahosthavam Botany Department organized Plantation programme. Principal Dr.Sr.Marietta D'Mello, Vice principal Dr.Sr.Showrilu, Administrative officer Sr.Innyasamma, Former HOD of Botany Dr.N.Nagavardhanam and Botany faculty along with BZC students planted the samplings in and around the college.



16. **4th September 2019: Eco-club activity** – Botany department faculty are participated in Water conservation techniques – Construction of Inkudugunthalu, creating awareness on water conservation through manavaaaram along with Zoology department faculty ad III, II BZC &ZNC students.
17. **4th September 2019: Plantation** - Mrs.B.B.R.G.Vijaya Lakshmi, Ms.B.Asha Latha along with II BZC students planted some medicinal plants in the pots near the Botany department.
18. **12th November 2020: Plantation** – Botany department planted 150 different varieties of Marigold saplings in Botanical garden – II along with III BZC Botany cluster students.
19. **14th November 2019:Azolla Application in Paddy Fields** - III BZC Botany students inoculates the Azolla in paddy fields of St.Ann's Convent.





20. **19th November 2019: Azolla as Cattle feed** - III BZC students supplied Azolla as feed to cattle to increase the milk production.



21. **22nd November 2019: Plantation** - Botany department planted 100 Chrysanthemum saplings in botanical garden 2 by II BZC Botany Project students.



22. **28th November 2019: Knowledge Extension** – III BZC students performed a knowledge extension programme on “Sustainable Agricultural Practices”. Ward tutor Mrs.B.B.R.G.Vijaya Lakshmi guided the students. Students explained the importance of Organic agricultural practices through skit, songs and dance. They touched the hearts of audience by their performance. Staff and students appreciated the ward students.
23. **11th December 2019: Medicinal garden up gradation** – Botany department upgraded the medicinal garden with 20 varieties of medicinal plants.



24. **17th December 2019: Crib preparation** – Botany department prepared a crib on the eve of Christmas celebrations.
25. **30th January 2020: College Day activity** – On the eve of College day celebrations Botany faculty received the guests for the college day programme.
26. **26th February 2020: NADEP compost** – Botany department faculty and students constructed NADEP compost pits and filled with cow dung, soil, waste materials like dry and green leaves, stems etc. This compost helps to increase a healthy plant production and save money. It also reduces the use of chemical fertilizers and conserves natural resources.

