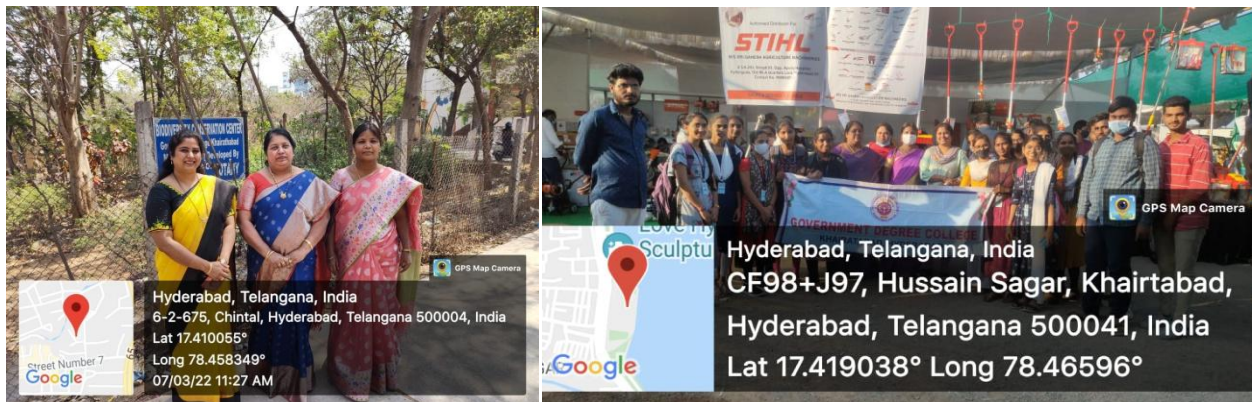


Government Degree College, Khairatabad

Department of Botany



About the Department

Department of Botany is one of the prestigious departments of the college which was started in the year 1973. Faculty are highly qualified and experts in their fields of both teaching and research. They constantly nurture the students to be competent, creative, nature lovers and entrepreneurs.

The infrastructure facilities are good to carry out research by both students and faculty through which research temper is inculcated among the students.

The basic course has been an instrumental in developing scientific interest amongst students and comprehends the significance of Fundamental Science in everyday life. As years rolled on new courses with Botany as a core were introduced namely Biotechnology, Microbiology, Applied Nutrition, Psychology and Computer Science.

The department has its own distinctiveness in the college by carrying out various environmental activities through Eco club, Haritha Haram thereby making students as a part of environment sensible citizens. It also carries out different academic activities, organizes Seminars, Extension Lectures, Guest Lectures, Workshops, and Field Trips. Every year department conducts Green Audit to analyze environmental practices adopted within the college, which will have an impact on the eco-friendly atmosphere. It also determines how and where college is using the most energy or water or other resources; the college can then consider how to implement changes and make savings.

Department proactively interacts with Jawaharlal Nehru Institute of Advanced Studies (JNIAS), Hyderabad and Department of Botany, NIZAM College, Osmania University, Hyderabad for various academic and research activities such as Field trips, Guest lectures, Extension lectures, Certificate courses, organize seminars, workshops, training programs etc.

The faculty continuously upgrade themselves in ICT teaching methodologies by attending different FDPs and orientation programs for the benefit of students.

Vision

- To build a strong institution among the students in the basics of Botany for proper scientific understanding, exploration and implementation.
- To promote scientific knowledge through teaching and research in Botany among the students.
- To spread the knowledge in the society about environmental conscious, conservation of biodiversity and utilization of plants.

Mission

- To adapt advance teaching methods along with conventional methods by involving the students.
- To build environmental consciousness among the students
- To sensitize students regarding entrepreneurship through agri-based business such as mushroom cultivation and landscape designing.

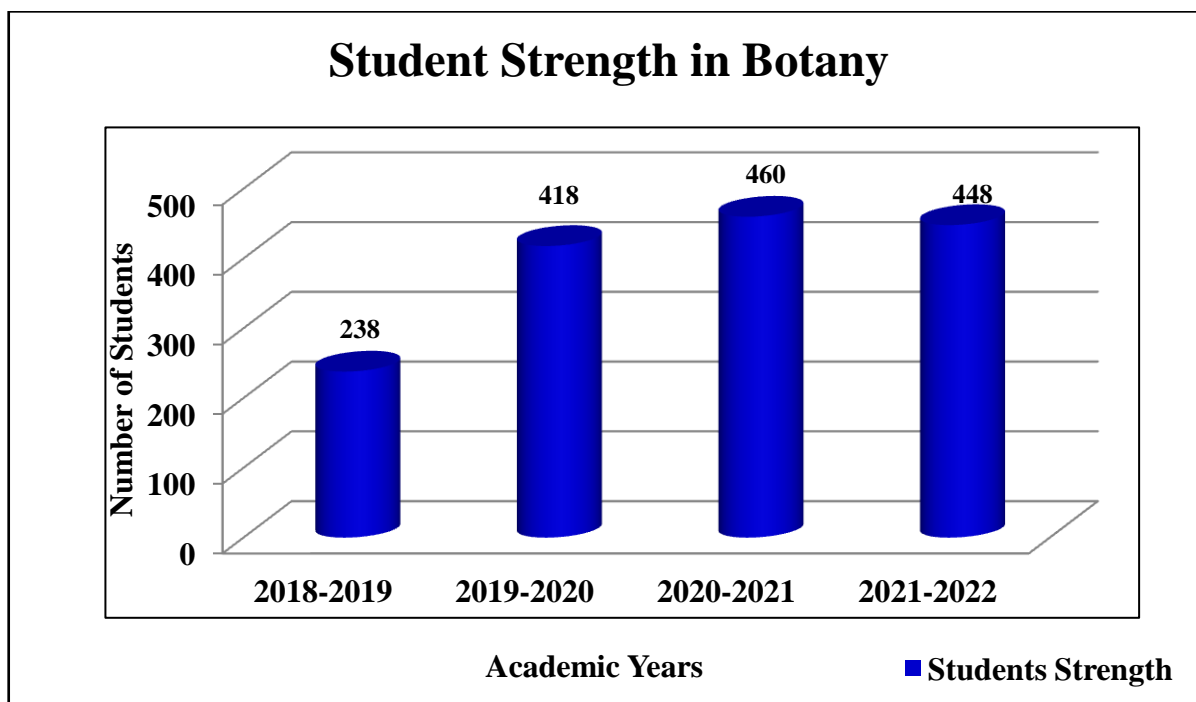
Objectives

- To develop an aptitude towards science and nature.
- To equip the students with the basic skills in identifying and labelling the plants.
- To impart quality education in the field of Botany enabling our students to confidently face the job market.
- To build environmental consciousness among the students through teaching, field trips and by organizing awareness programmes and activities.
- To adapt Internal Revenue Generation (IRG) programmes.
- To make students passionate towards research in Life Sciences.

Courses offered: Department offers the following courses under BSc Life Sciences Program with Botany combination

S. No.	Course		Medium
1.	BSc BZC	Botany , Zoology, Chemistry	English
2.	BSc BZCS	Botany, Zoology, Computer Science	English
3.	BSc BZPy	Botany, Zoology, Psychology	English
4.	BSc ANBC	Applied Nutrition, Botany, Chemistry	English
5.	BSc ANBZ	Applied Nutrition, Botany, Zoology	English
6.	BSc ANBPY	Applied Nutrition, Botany, Psychology	English
7.	BSc BtBC	Biotechnology, Botany, Chemistry	English

8.	BSc BtBZ	Biotechnology, Botany, Zoology	English
9.	BSc BtBPy	Biotechnology, Botany, Psychology	English
10.	BSc MBZ	Microbiology, Botany, Zoology	English



Details of Teaching Faculty:

S. No	Name Faculty	Qualification	Designation	Experience
1	Smt. B. Sofia Rani	MSc, BEd	Assistant Professor & In - Charge	10 years
2	Lt. Dr. P. Vijaya	MSc, PhD (Plant Physiology)	Asst. Professor & NCC officer	10 years
3	Dr. K. Sarojini Chakravarthy	MSc, PhD (Mycology & Plant Pathology)	Asst. Professor & IQAC Coordinator	22 years

**Activities of the department:
2021-2022**

S.No	Date	Nature of the Activity	Activity Conducted	Resource Person	No. of Students attended
1	23.10.2021	Green Audit	Green Audit	Dr. A. Vijaya Bhasker Reddy, Assitant Pffessor of Botany, Nizam College (A), Osmania University, Hyderabad Dr. P. V. Geetha Lakshmi Patnaik, Principal, BJR GDC, Nrayanaguda	06 faculty members
2	26.02.2022	FIELD TRIP	8th All India Horticulture and Agriculture Exhibition	Smt. B. Sofia Rani, Dr. P. Vijaya, Dr. K. Sarojini Chakravarthy	24
3	22.03.2022	Rally	World Water Day	Smt. B. Sofia Rani, Dr. P. Vijaya, Dr. K. Sarojini Chakravarthy	52
4	08.04.2022	Organization Visit	Green Fields Institute of Agriculture	Smt. B. Sofia Rani, Dr. P. Vijaya, Dr. K. Sarojini Chakravarthy	5
5					

2020-2021

S.No	Date	Nature of the Activity	Activity Conducted	Resource Person	No. of Students attended
1	26.06.2020	Plantation Programme	Tree Plantation Programme by TKHH	Smt. P. Vijaya Reddy, Corporator, Khairatabad, GHMC	20
2	21.10.2020	Group Discussion	Group Discussion on “How Flooding Effects Plants”	Smt. B. Sofia Rani, Asst. Professor of Botany	20

3	13.11.2020	Student Seminar	Student Seminar on “Sexual Reproduction in Angiosperms”	Amulya, BSc BZC II year	30
4	16.11.2020	Student Seminar	Student Seminar on “Megaspore and Different types of Ovules”	Nandini, BSc BZC II year	40
5	21.12.2020	Plantation Programme	Tree Plantation Programme (Royal Palms Plantation) by TKHH	Dr. DSR Rajender Singh, Principal & JD (FAC), NCC, NSS, TKHH committee	50
6	17.02.2020	Plantation Programme	Green Challenge A Gift to CM KCR Birthday	Dr. DSR Rajender Singh, Principal & JD (FAC), NSS, TKHH committee	100
7	05.03.2021	Extension Lecture	Extension Lecture on “Waste Management”	Smt. Hemalatha, Asst. Professor of Botany, PVKN GDC, Chittoor	69
8	24.04.2021	QR coding	QR coding and geo-tagging of plants in the campus	Dr. DSR Rajender Singh, Principal & JD (FAC), Dr. V. Vijaya Lakshmi, Vice-Principal	15
9	29.06.2021	National Webinar	One Day National Webinar on “Ecosystem Restoration”	Dr. A. Vijaya Bhasker Reddy, Asst. Professor of Botany, Nizam College, OU, Hyderabad Dr. Nageswara Rao Amanchi, Asst. Professor of Zoology, Nizam College, OU, Hyderabad Dr. Ramachandra Pillutla, Associate Professor, Lab for Spatial Informatics, IIIT, Hyderabad Dr. N. Srinivasa Rao, Scientist, INCOIS, Ministry of Earth Sciences, Government of India, Hyderabad	134
10	10.07.2021	Plantation Programme	Tree Plantation Programme by TKHH	Dr. Ravi Kumar, Head, Dept. of Pediatrics, Niloufer Hospital, Hyderabad	45

2019-2020

S.No.	Date	Nature of the Activity	Title of the Activity	Details of the Resource Person	No. of Students Participated
1.	20.07.2019	Planting Saplings	TELANGANA KU HARITHAHARAM	Smt. K. Leela Laxma Reddy, Chairperson of Council For Green Revolution	50
2.	30.08.2019	Saplings distribution	TELANGANA KU HARITHAHARAM	Smt. P.Vijaya Reddy Corporator, GHMC.	100
3.	27.01.2020	FIELD TRIP	8th All India Horticulture and Agriculture Exhibition	Smt. B. Sofia Rani, Dr. K. Sarojini Chakravarthy	32
4.	10.02.2020	Student Seminars	Types of Ovules	Nafisa Hasan II MBC	30
5.	15.02.2020	Jignasa Student Study Project		Dr. K. Sarojini Chakravarthy	05
6.	17.02.2020	Green Challenge			All faculty and students of GDCK
7.	29.02.2020		National Science Day	Dr. Praveen Mamidala, Joint Secretary, TSWREIS, Govt. of Telangana	100
8.	03.03.2020	Student Seminar	Calvin Cycle	Sana Sultan, III BZC	15
9.	08.05.2020	Student Seminar	Cucurbitaceae family and Concepts of Ecosystem	Annapoorna BSc I ANBZ Tasleem Fathima BSc I ANBZ	12
10.	09.05.2020	Student Seminars	Asteraceae family and Ecological Pyramids	Farhana Begum BSc I ANBZ Sony Chowrasiya BSc I ANBZ	12
11.	11.05.2020	Student Seminar	Asteraceae family and Ecological Pyramids	Muskan Maheen BSc I BtBZ Nandini BSc BZC I	18
12.	11.05.2020	Parent Teacher Meeting	Parent Teacher Meeting for BSc BZC III E/M	Faculty of Department of Botany	15
13.	12.05.2020	Parent Teacher Meeting	Parent Teacher Meeting for BSc Life Sciences I year	Faculty of Department of Botany	12
14.	13.05.2020	Webinar	SARS COV 2 & COVID-19: An Overview	Dr.R. Ranjani, Assistant Professor, Department of Virology, SV University, Tirupathi, Andhra Pradesh	40

15.	14.05.2020	Parent Teacher Meeting	Parent Teacher Meeting for BSc Life Sciences II year	Faculty of Department of Botany	05
16.	15.05.2020	National Webinar	Biodiversity: Status, Conservation and Role in Pandemics	Dr. Avneet Pal Singh, Assistant Professor, Department of Botany, Punjabi University, Patiala	89

2018-2019

S.No.	Date	Nature of the Activity	Title of the Activity	Details of the Resource Person	No. of Students Participated
1.	18.07.2018	Swachh Bharat (CLEANING AND DIGGING OF PITS)	TREE PLANTATION		150
2.	19.07.2018	Awareness Programme	TELANGANA KU HARITHAHARAM	Smt. P.Vijaya Reddy Corporator, GHMC.	200
3.	27..07.2018	Interactive Session	UG MENTORING PROGRAMME AT CCMB	Dr. Somdatta & Dr. Anil Challa	Faculty of Dept. of Life Sciences.
4.	25.08.2018	Student Awareness Rally	STUDENT AWARENESS RALLY ON TELANGANA KU HARITHA HARAM	Dr. DSR Rajender Singh	150
5.	03.09.2018	Research Programme	UG MENTORING PROGRAMME	Mr.Rahul Surekha and Ms. Annapoorna	08
6.	18.09.2018 and 19.09.2018	TSFA-CAFÉ Volunteer Programme	ORIENTATION WORKSHOP AT TSFA-CAFE	Forest Range Officers	25
7.	31.10.2018	Student Seminar	BSC BZC III year E/M	Smt. B.Sofia Rani	30
8.	10.01.2019	Field Visit	TELANGANA STATE FOREST ACADEMY, DULAPPALLY	Dr.Dharma Chandra Kumar and Mr.Ajay.	54
9.	24.01.2019	Swachh Survekshan	Awareness Programme on Swachh Survekshan 2019	Mrs Geetha Radhika, Deputy Commissioner, GHMC, Circle-6, Khairatabad and Mrs.	50

				R.Sandhya Rani, District Project Officer, GHMC.	
10.	28.01.2019	Swachh Survekshan	Awareness Programme on Citizen's Feedback	Ms. Keerthana, Assistant Engineer, GHMC, Circle-6, Khairatabad	64
11.	04.02.2019	Student Study Project entitled: "Effect of Organic fertilizers, Biofertilizer and Chemical fertilizer on the growth and yield of Green gram and Fenugreek plants"	Jignasa Student Study Project	Dr K. Sarojini Chakravarthy	06
12.	13.02.2019	Student Seminars	Tissues – Tissue Systems	Dr. P. Vijaya	15
13.	18.02.2019	Student Seminars	C3 Cycle	Dr. P. Vijaya	24
14.	08.03.2019	Student Project Presentation at CCMB	Project Abhilasha	Dr. K. Sarojini Chakravarthy Mr. Rahul Surekha and Ms. Annapoorna	06
15.	12.03.2019	Extension Lecture	Photosynthesis	Dr. O. Padmaja, Assistant Professor, Tara GDC, Sangareddy	53
16.	20.03.2019	Group Discussion	Role of Plants in Environmental Pollution	Smt. B. Sofia Rani	28
17.	23.03.2019	Eco Club Activity	"Reuse and Recycle to Conserve Environment"	Mrs R. Padmaja, Free Lance Landscape Consultant	75
18.	26.03.2019	Workshop at St. Francis Degree College for Women, Begumpet	Gel Electrophoresis and Plant Tissue Culture	Mrs. Deepa Switha and Mrs. Malathi Varma, Mrs Ritika Ranjan	55
19.	23.04.2019	World Earth Day	Protecting the Species	Mr. Gunna Rajender	70

				Reddy, Convenor Gandhi Global Family and Mr. Naresh Indian, Motivational speaker	
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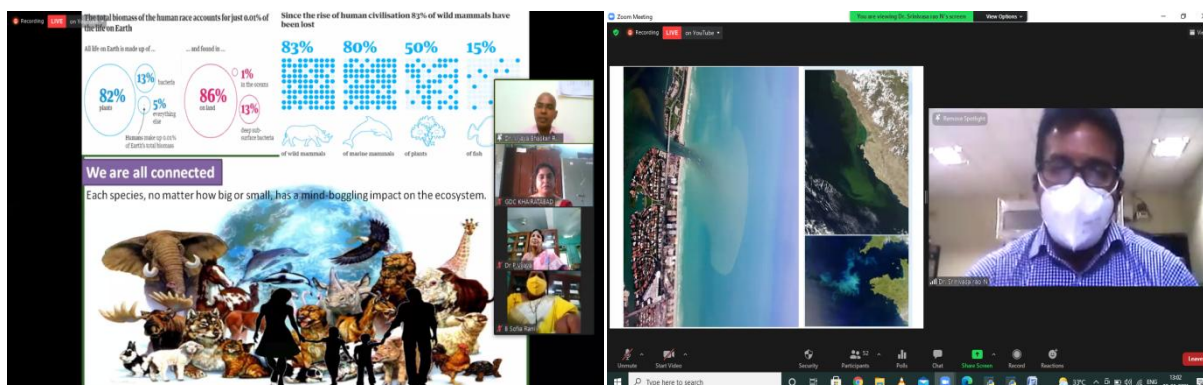
1. Seminars/Workshops/Extension Lectures organised by the department

1. Department of Botany organized One Day Workshop on “**Bonsai Gardening Techniques**” on **9th December, 2021**. Bonsai experts Sri. Manoj Khurana and Dr. Suchitra Pathro explained about basics of Bonsai gardening techniques, different styles of potting, soil and compost used, different styles of Bonsai making like formal upright, informal upright, slanting, semi-cascade and cascade etc. Sixty two (62) students and 8 faculty members registered and participated in this workshop. Smt. B. Sofia Rani, Dr. P. Vijaya, and Dr. K. Sarojini Chakravarthy involved in the workshop and encouraged the students. On successful completion of workshop students and faculty were issued Participation certificates.

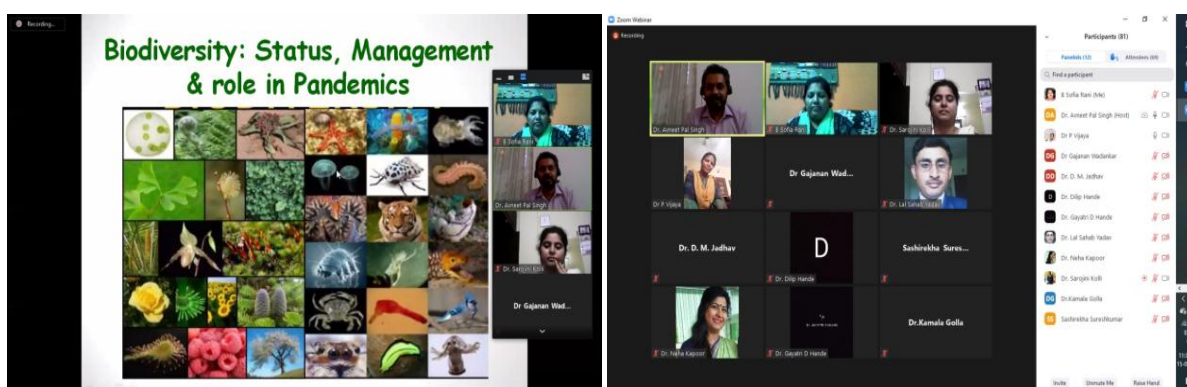


2. Department of Botany and Microbiology organized **One Day National Webinar on “Ecosystem Restoration”** on **29th June, 2021**. Four invited speakers delivered lectures on different aspects of Ecosystem Restoration namely **Dr. A. Vijaya Bhasker Reddy**, Assistant Professor, Department of Botany, Nizam College (A), Osmania University, **Dr. Nageswara Rao Amanchi**, Assistant Professor, Department of Zoology, Nizam College (A), Osmania University, **Dr. Rama Chandra Prasad Pillutla**, Associate Professor, Lab for Spatial Informatics, IIIT, Hyderabad, and **Dr. N. Srinivasa Rao**, Scientist, INCOIS, Ministry of Earth Sciences, Government of India, Hyderabad. Faculty and students numbering 141 were registered from the states of Telangana, Andhra Pradesh, Karnataka, Tamil Nadu, Maharashtra and West Bengal. On that day 134 participants participated and all the participants received e-certificates after giving their feedback. The Organizing Secretary of the

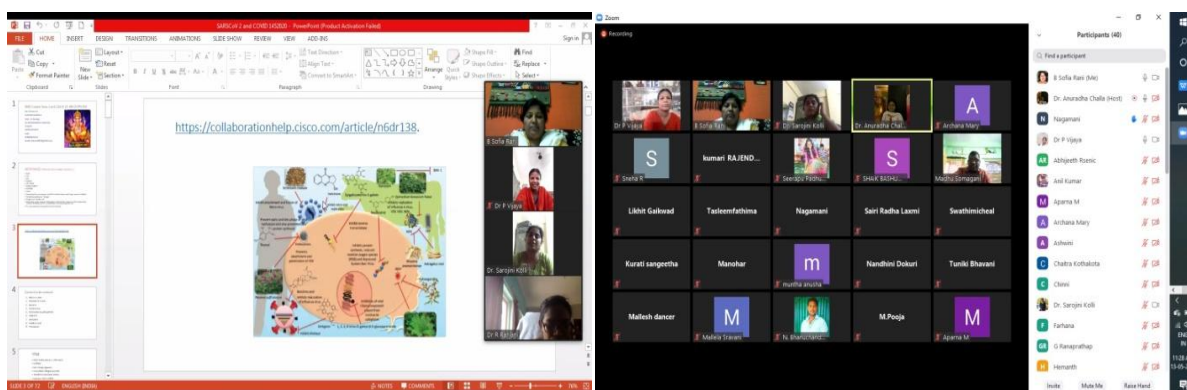
webinar was **Dr. K. Sarojini Chakravarthy**, Assistant Professor of Botany, **Smt. B. Sofia Rani**, Incharge, Department of Botany was the Convenor and the Co-convenors of the webinar were **Lt. Dr. P. Vijaya**, Assistant Professor of Botany and **Smt. P. Archana Mary**, Lecturer in Microbiology.



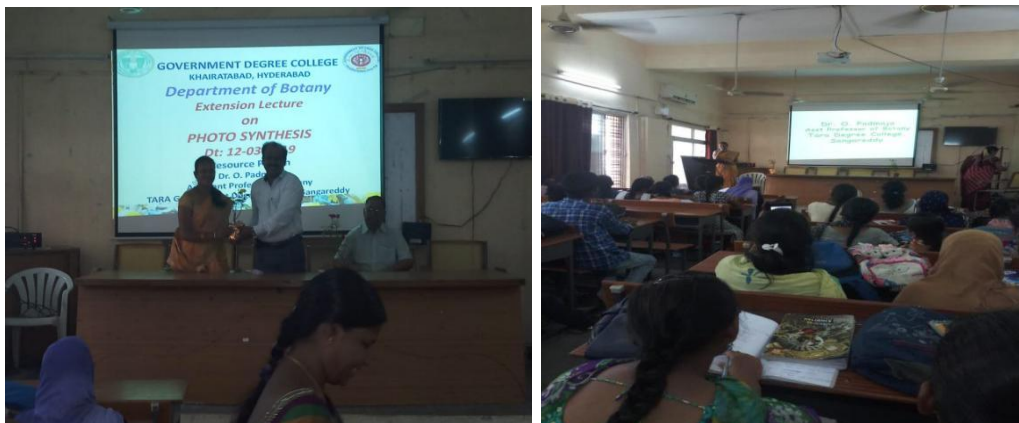
3. Department of Botany organised a **National level webinar** in virtual mode on **15th May, 2020** and the resource person is **Dr. Avneet Pal Singh**, Assistant Professor, Department of Botany, Punjabi University, Patiala on the topic; '**Biodiversity: Status, Conservation and Role in Pandemics**'. 165 candidates registered to this webinar out of which 144 candidates both faculty and students participated from different states of India. E-certificates were provided to all the participants. The main objective of this webinar is to throw light on the importance of biodiversity and its impact on today's COVID situation.



4. Department of Botany organised a **webinar** in virtual mode on **13th May, 2020** and the resource person is **Dr. R. Ranjani**, Assistant Professor, Department of Virology, SV University, Tirupathi, Andhra Pradesh on the topic; on "**SARS COV 2 & COVID-19: An Overview**". 40 students and faculty from other colleges participated in this webinar. Resource person has given an overview of SARS COV 2 virus and its effect on human health.



5. Department of Botany has organized Extension lecture on “Photosynthesis” by **Dr. O. Padmaja** Assistant Professor of Botany from Tara Government Degree College, Sangareddy. She explained the process of photosynthesis which is the most important biological phenomenon on earth. All useful organic material on earth is produced by photosynthesis.



2. Certificate courses offered by the Department

2020-2021

1. Certificate course on “**CellDesigner**” offered by **Spoken Tutorial, IIT Bombay**. 25 Life Sciences students enrolled for this course and 23 students completed and got the completion certificates.
2. Certificate course on “**Clinical Palynology**” in collaboration with Department of Botany, Nizam College (Autonomous), Osmania University, Hyderabad as we have MOU with this department. 30 Life Sciences students enrolled, completed and got the completion certificates.

2019-2020

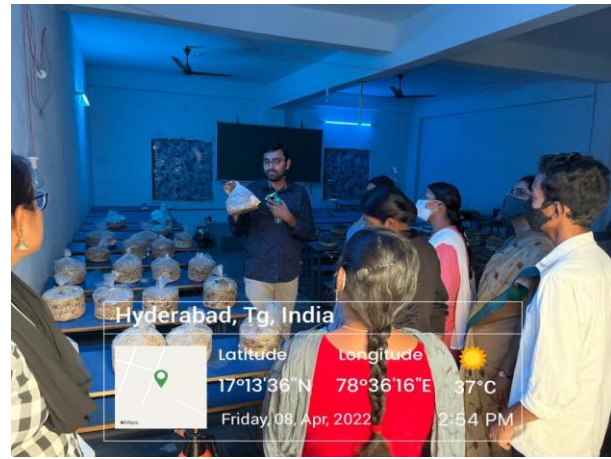
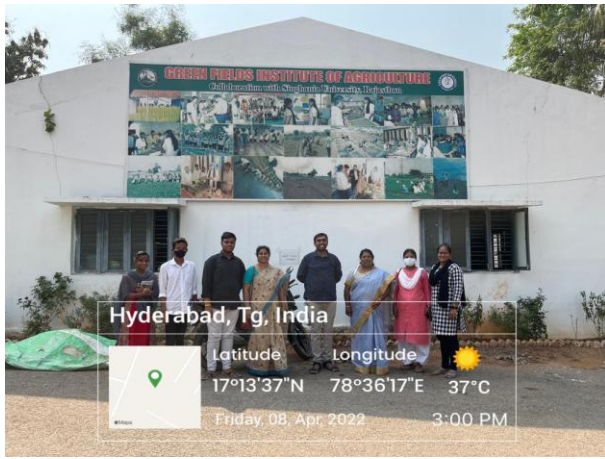
1. Certificate course on “**Clinical Palynology**” in collaboration with Department of Botany, Nizam College (Autonomous), Osmania University, Hyderabad as we have MOU with this department. 30 Life Sciences students enrolled, completed and got the completion certificates.

2018-2019

1. Certificate course on “**Medical Mycology**”. 30 BZC students enrolled, completed and got the completion certificates.

3. Field Trips organized by the Department

1. In **2021-2022** Department of Botany visited **Green Fields Institute of Agriculture, Koheda, Ibrahimpatnam** on **08.04.2022**. Through this visit students got an opportunity to go through Mushroom production, Food Science laboratory, Agronomy techniques and organic farming. 05 BSc Life Sciences students of II and III year were accompanied by 3 faculty members Smt. B. Sofia Rani, Dr. P. Vijaya and Dr. K. Sarojini Chakravarthy for this visit.



2. In **2021-2022** Department of Botany visited 11th Grand Nursery Mela (All India Horticulture and Agriculture Show) on **26.02.2022** at People's Plaza, Necklace Road, Hyderabad. Through this visit students learnt about miniature gardening (Bonsai gardening), succulents grow and bioenzymes. 24 BSc Life Sciences students of II and III year were accompanied by 3 faculty members Smt. B. Sofia Rani, Dr. P. Vijaya and Dr. K. Sarojini Chakravarthy for this visit.



3. In **2019-2020** Department of Botany visited 8th Grand Nursery Mela (All India Horticulture and Agriculture Show) on **27.01.2020** at People's Plaza, Necklace Road, Hyderabad. Through this visit students learnt how to cultivate hydroponics, Robotic cultivation, rooftop and kitchen gardening. 32 BZC final year students were accompanied by 2 faculty members Smt. B. Sofia Rani and Dr. K. Sarojini Chakravarthy for this visit.



4. In **2018-2019** Department of Botany has organized field trip to Telangana State Forest Academy (TSFA), Dulapally, Hyderabad on 10.01.2019. In this academy more than 70 tree species, few medicinal herbs, and timber yielding trees are available. 65 BZC I, II and III year students were

visited TSFA along with 3 faculty members Smt. B. Sofia Rani, Dr. P. Vijaya and Dr. K. Sarojini Chakravarthy.



Student Study Projects

Every year students were assigned study projects on different topics to inculcate research temper amongst the students.

S. No.	Programme name	Year	Name of the project	Name of the students participated	Name of the Supervisor
1.	Jignasa Student Study Project	2021-2022	Impact of COVID-19 on student's health and psychology	K. Ramya Sree Satya, MBC III Farhana Begum, ANBZ III Tasleem Fathima, ANBZ III Khusbhu Kumari, ANBZ III K. Venkata Harish Chandra, BZC II	Dr. P. Vijaya and Dr. K. Sarojini Chakravarthy
2.	Student Study Project	2021-2022	Effect of organic and chemical fertilizers alone or in combination on Tomato plants	K. Venkata Harish Chandra, BZC II M. Shiva Prasad, BZC II N. Ajay Varma, BZC II Uzma Tabassum , BZC II Mohd. Suleman, BZC II	Dr. P. Vijaya and Dr. K. Sarojini Chakravarthy
3.	Jignasa Student Study Project	2019-2020	Efficacy of Biowaste and Bioagent on the growth of Coriander and <i>Rumex</i> plants	P. Sravani, BZC III P. Shivani, BZC III Maleka Khan, BZC III Arti, BZC III U. Neha Madhuri, MBC II	Dr. K. Sarojini Chakravarthy
4.	Student Study Project	2019-2020	Survey on medicinal plants with special reference to antidote plants in Telangana State	U. Hemanth, BtBC II N. Lokesh, BtBC II L. Ambu Rao, MBC II Mahesh, BZC I Srinija, BZC I L. Uma, BZC I	Dr. P. Vijaya

5.	Jignasa Student Study Project	2018-2019	Effect of organic fertilizers and chemical fertilizers on the growth and yield of green gram and fenugreek plants	Fouzia Begum, BtBC I M. Kranthi Kumar, BtBC I Rubina Begum, MBC I Ayesha Begum, MBC I K. Sai Charan, BZC I V. Vamshi, BZC III	Dr. K. Sarojini Chakravarthy
6.	Project Abhilasha at CCMB	2018-2019	Clock mutants of <i>Drosophila melanogaster</i>	Ch. Abhinav, BtBC I G. Naresh, BtBC I M. Subhasree, MBC I Rubina Begum, MBC I	Ms. Annapoorna, CCMB
7.	Project Abhilasha at CCMB	2018-2019	Artificial selection on relative brain size in the Guppy	Fouzia Begum, BtBC I Ch. Karthik, BtZC I	Rahul Surekha, CCMB

In **2021-2022** department takes up a live project work on the topic entitled “**Impact of COVID-19 on student’s health and psychology**”. This work was done by 5 BSc Life Sciences students of II and III year and this project was selected for State level presentations.

In **2021-2022** department takes up a live project work on the topic entitled “**Effect of organic and chemical fertilizers alone or in combination on Tomato plants**”. This work was done by 5 BSc BZC students of II year.

In **2019-2020** department takes up a live project work on the topic entitled “**Survey on medicinal plants with special reference to antidote plants in Telangana State**”. This work was done by 5 BSc Life Sciences students of II and III year and this project was selected for State level presentations and received 3rd prize.

In **2019-2020** department takes up a live project work on the topic entitled “**Efficacy of biowaste and bioagent on the growth of Coriander and *Rumex* plants**”. This work was done by 5 BSc Life Sciences students of II and III year and this project was selected for State level presentations and received 3rd prize.





In **2018-2019** Department of Botany take up a live project work on the topic entitled “**Effect of Organic fertilizers and chemical fertilizers on the growth and yield of green gram and fenugreek plants**”. This work was done by 6 BSc Life Sciences students of I and III year and this project was selected for State level presentations.

UG Mentoring Programme at CCMB

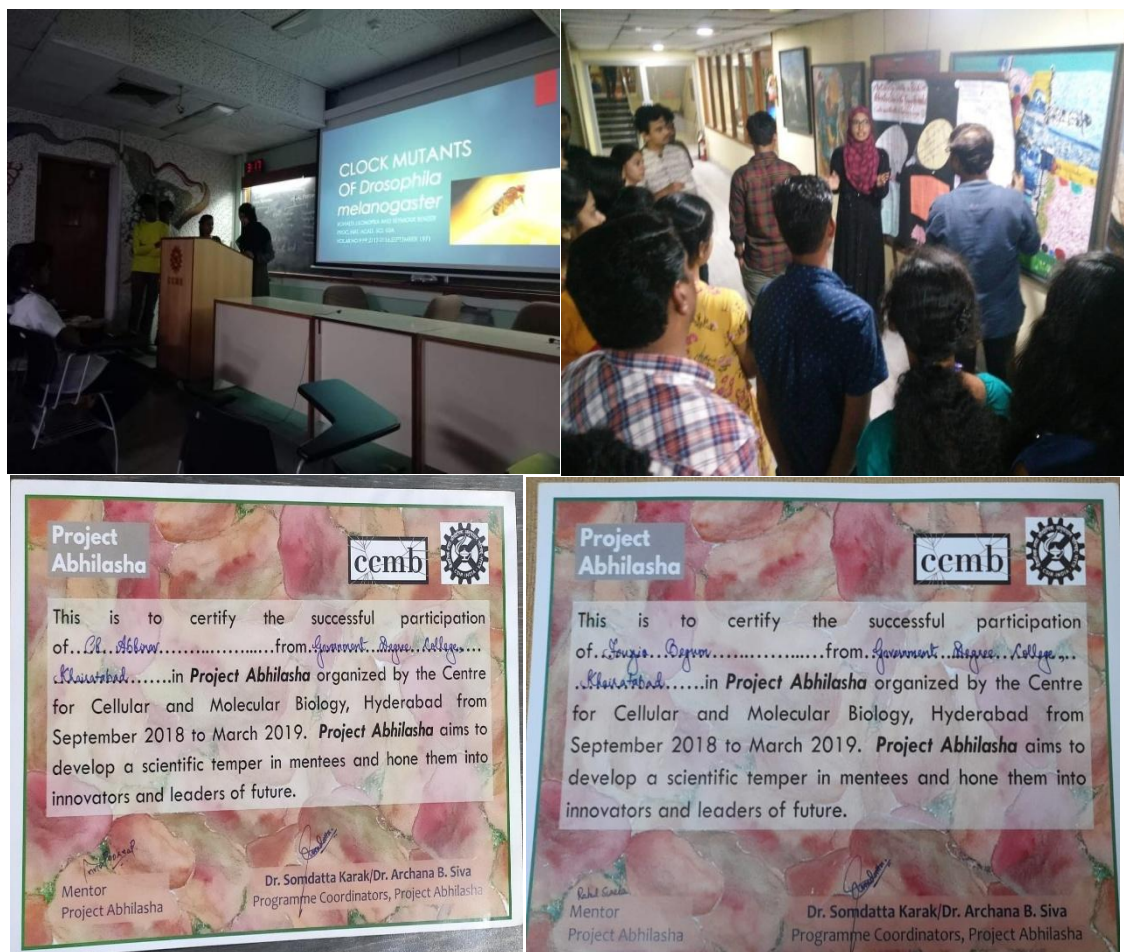
Under this program Dr. Somdatta Karak, Programme Coordinator, CCMB along with Dr. Anil Challa, University of Alabama visited Department of Botany and asked to select 08 Life Sciences students of 1st year to undergo mentoring program with CCMB research scholars with an aim to develop scientific temper in Under Graduate students. **First year 08 Life Sciences students Fouzia Begum, G. Naresh, Ch. Abhinav, Ayesha Begum, M. Subhasree, Rubina Begum, Ch. Karthik, K. SaiCharan and M. Anusha** got selected to interact and do their projects work with Research Scholars of CCMB in **Project Abhilasha on 03.09.2018**.

S.No.	Name of the Student	Class and year	Hall Ticket Number
1.	Fouzia Begum	BSc BtBC I	1140-18-572-006
2.	Ch. Karthik	BSc BtZC I	1140-18-489-006
3.	Ch. Abhinav	BSc BtBC I	1140-18-572-005
4.	G. Naresh	BSc BtBC I	1140-18-572-007
5.	M. Subhasree	BSc MBC I	1140-18-458-017
6.	Rubina Begum	BSc MBC I	1140-18-458-021

Under Project Abhilasha, the students were grouped into team of 4 with a mentor. Under the supervision of a mentor each team of students conducted their project work from **September 2018 to March 2019** and presented their work to the scientists and other team members on **09.03.2019** at **CCMB**.

The titles of their projects are

1. “**Clock Mutants of *Drosophila melanogaster***” and
2. “**Artificial selection on Relative brain size in the Guppy**”.

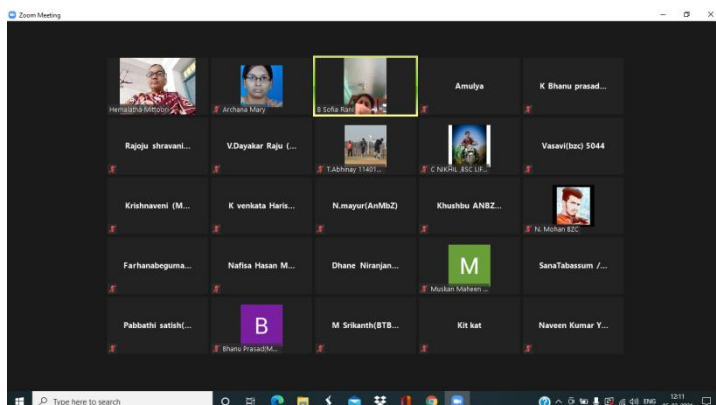
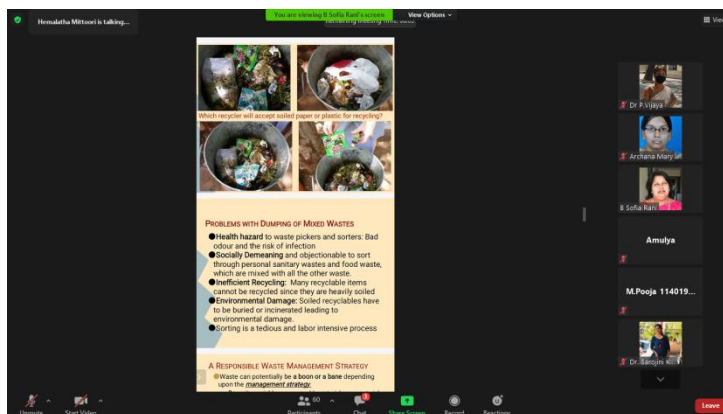


Eco-club Activities

1. As a part of Eco club activity Department of Botany took a rally on World Water Day on 22.03.2022. 53 students participated in this rally and took a pledge to save water.



2. As a part of Eco club activity Department of Botany organized a webinar on “**Waste Management**” on 05/03/2021. Ms. Hemalatha, Assistant Professor of Botany, PVKN Government Degree College, Chittoor delivered the lecture. She stressed on India’s Solid waste problem and how different solid wastes are segregated by using conventional and systems approach.



2. As a part of Eco Club activity Department of Botany and Eco Club Committee has organised awareness programme and activity on “**Reuse and Recycle to Conserve Environment**” by Mrs. R .Padmaja Free lance Landscape Consultant working for GREEN PASTURES on 23.03.2019.



3. As a part of Eco club and Swachh Bharat Activity for 2018-19, the Department of Botany has organized Tree Plantation Programme on 19th July 2018.



Telangana Ku Haritha Haram (TKHH) Activities

1. TKHH organized Tree Plantation programme under Telangana Ku Haritha Haram on 20th July 2019 in the college.



2. TKHH has organized Saplings distribution programme under (TKHH) on 30th August, 2019 in the college campus.

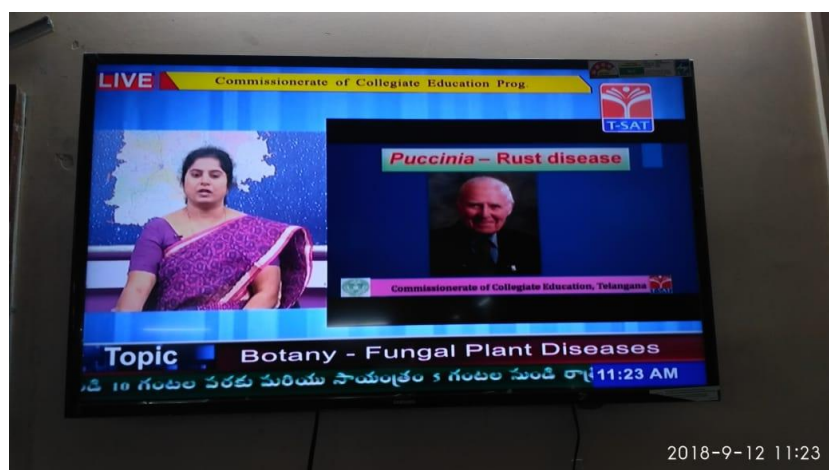


3. TKHH organized “Awareness Student Rally” on “Telangana Ku Haritha Haram” in the college premises, Chinthal basti and Anand Nagar colony on 25.08.2018.



Extension Activities by the Department

During the academic year 2018-2019 I was selected to present a lecture on “Fungal Plant Diseases” which is part of BSc Botany I year Paper-I syllabus and was live telecasted in T-SAT Nipuna on 12.09.2018. The topic benefits Botany I year, Semester-I students.

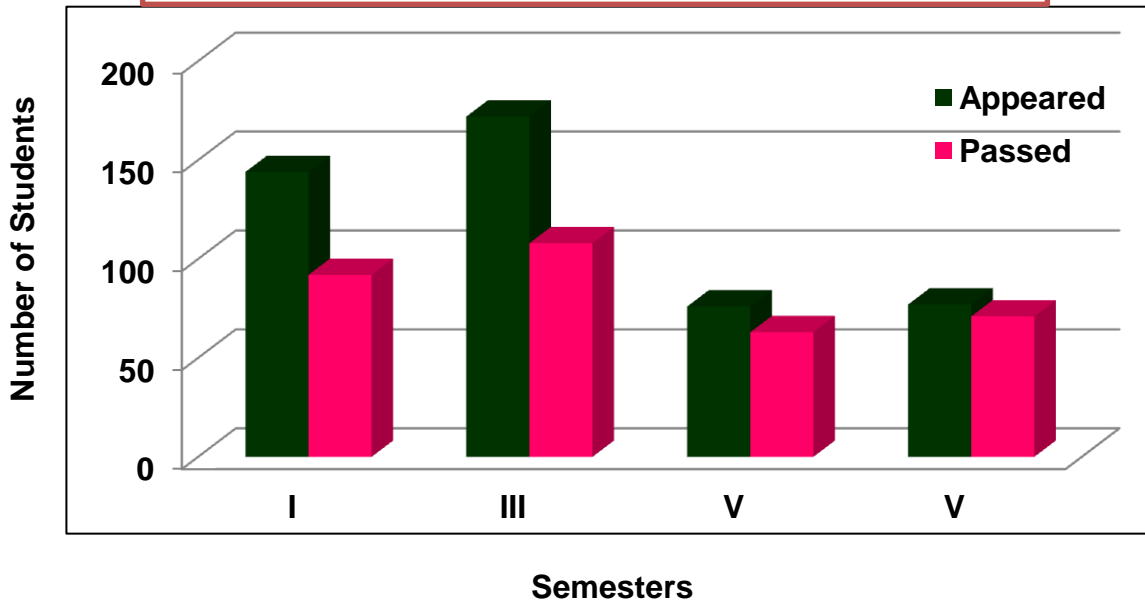


During the academic year 2018-2019 under my guidance Ms. Shivani P and Ms. P. Sravani, BSc BZC II year E/M got selected in the subject Botany for Student as a Teacher Programme and presented a lecture as Pair Teaching on “Traditional Medicine vs Modern Medicine” and was live telecasted in T-SAT on 10.10.2018.

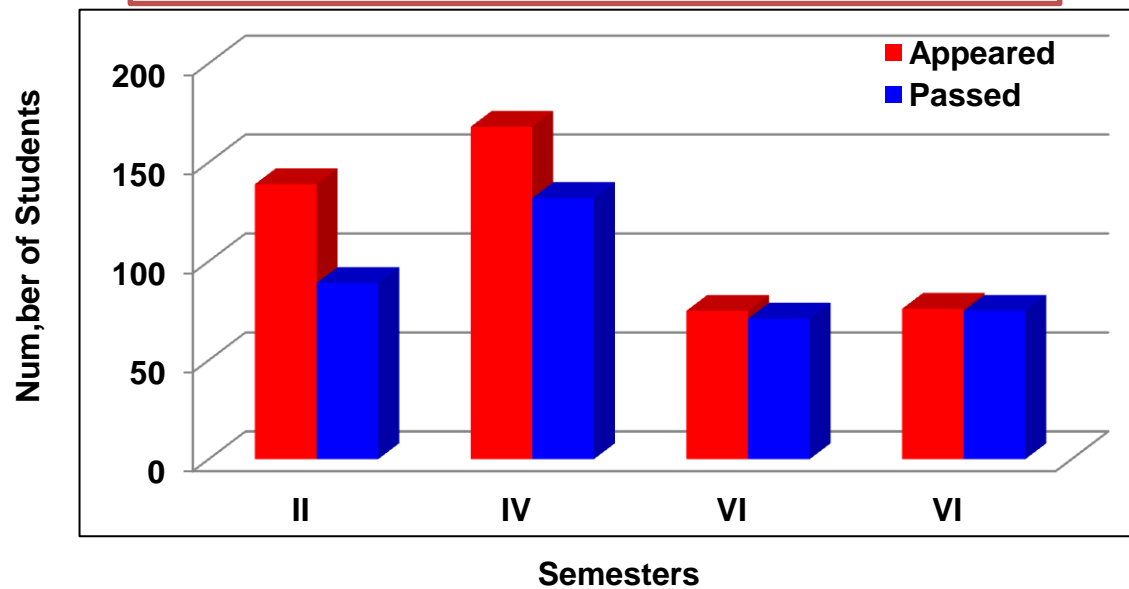


Result Analysis of Botany

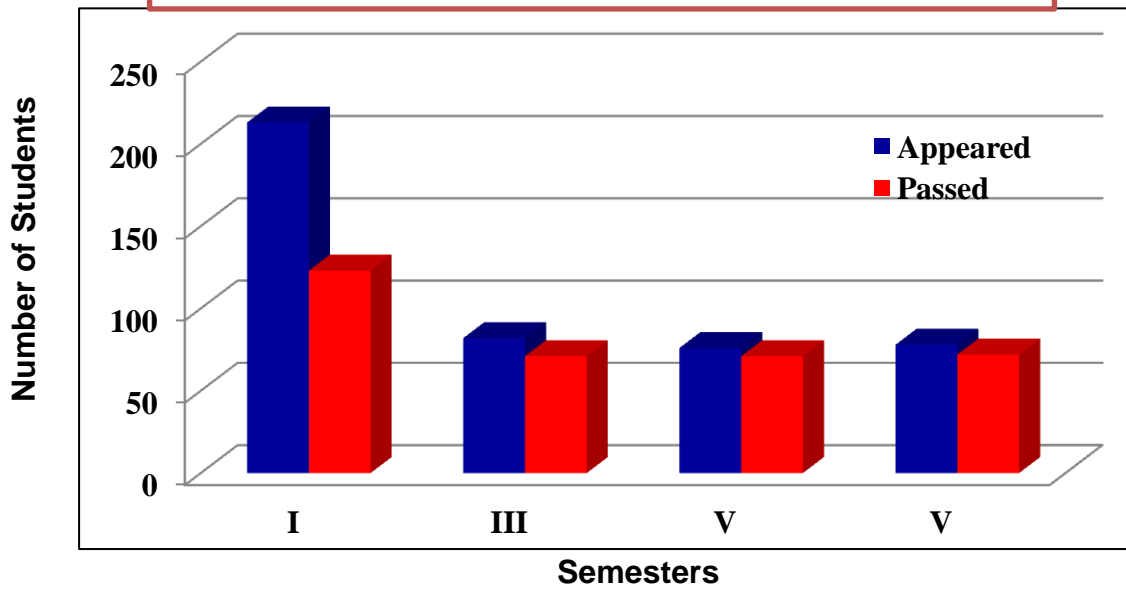
**Result Analysis of I, III, V Semesters in the AY
2020-2021**



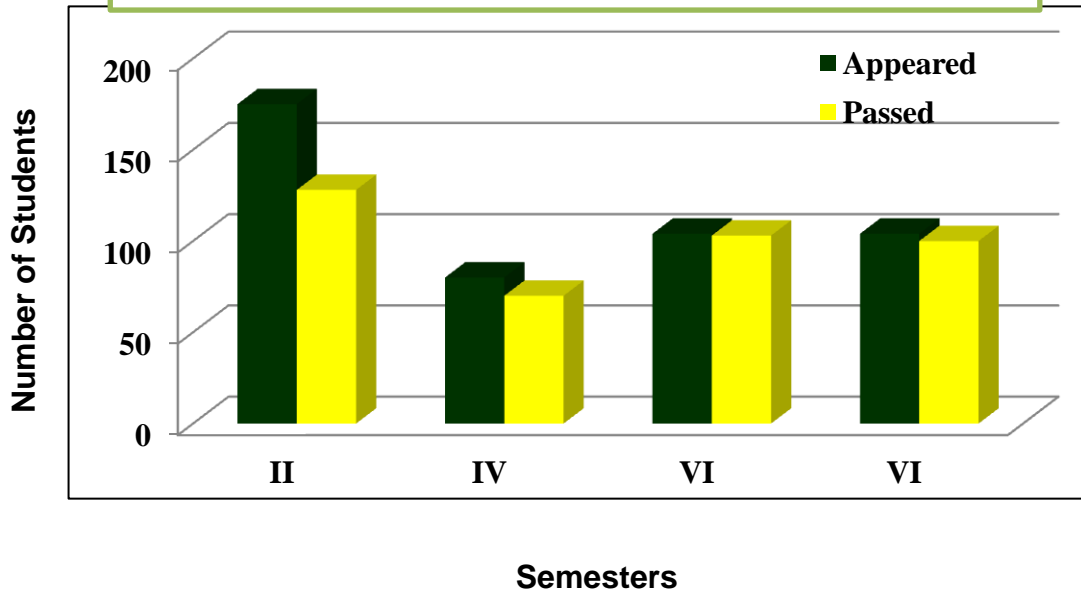
**Result Analysis of II, IV, VI Semesters in the AY
2020-2021**



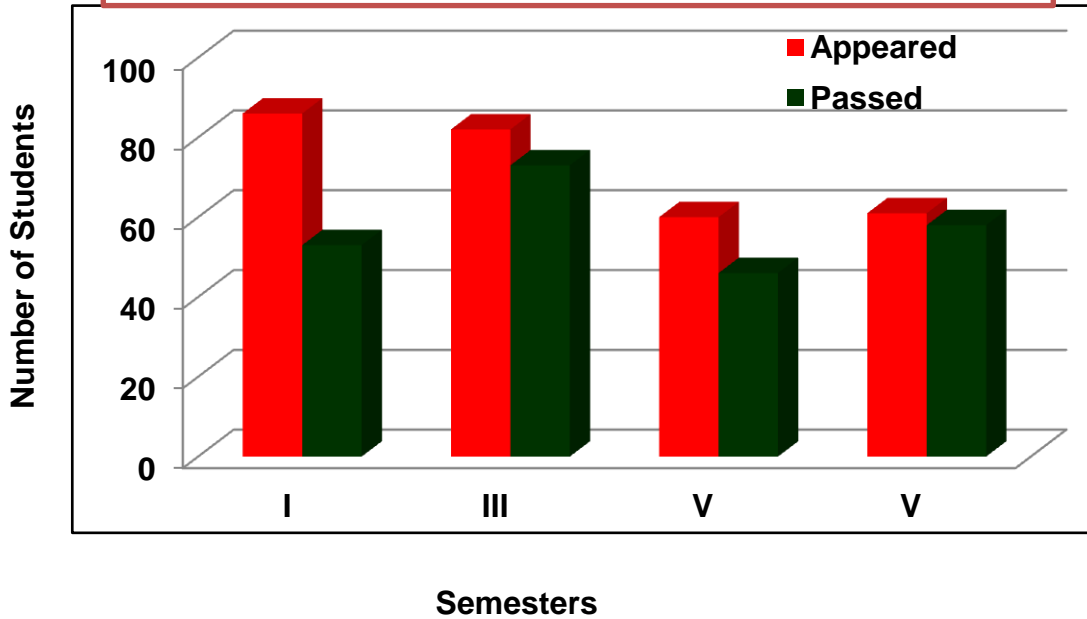
Result Analysis of I, III, V Semesters in the AY 2019-2020



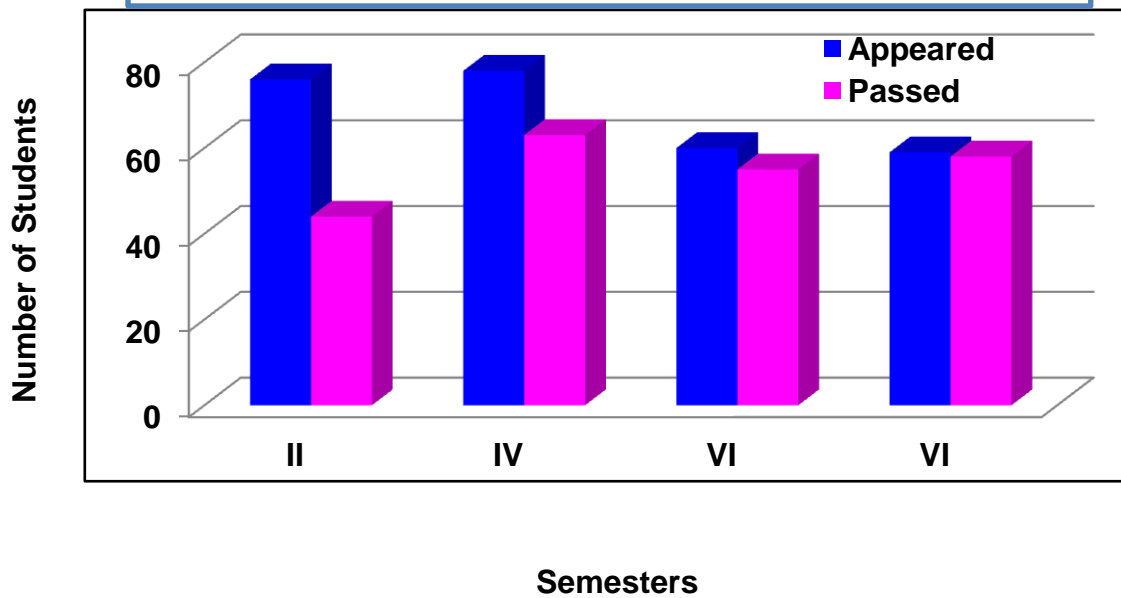
Result Analysis of II, IV, VI Semesters in the AY 2019-2020



Result Analysis of I, III, V Semesters in the AY 2018-2019



Result Analysis of II, IV, VI Semesters in the AY 2018-2019



Government Degree College, Khairatabad
Department of Applied Nutrition

About the Department

Department of Applied Nutrition is one of the new departments of the college which was started in the year 2019. Through this course, students gain knowledge and skills of nutrition and to develop critical evaluation skills through an integration of nutrition, dietetics (therapeutic nutrition) and research.

Students are also taught to plan a diet chart and diet therapy for in patients and participate in research projects, symposiums and conferences in nutrition & dietetics and public health.

Course Objectives

- To produce graduates in the field of Dietetics and Nutrition recognized for their practical and public health skills.
- To acquaint graduates with advanced clinical nutrition, understand the basis of nutritional status assessment, biochemical basis of nutrition, nutrition related disorders, and the role of nutrition in therapeutic diets.
- The course also aims at teaching skills of menu planning for quality and quantity preparation and management of resources.
- The students also learn about new and expanding areas of research in the field of dietetics and nutrition and acquire necessary research oriented skills.

Career prospects

- Clinical Dietetics /Nutrition: Hospitals or Clinics (healthcare, clinical management, counseling, etc.)
- Community Nutrition / Public Health / Community outreach
- Industry (e.g. corporate health and wellness)
- Dietician in Hospitals
- Academia and research: Teaching Dietetics / Nutrition or Nutrition Research

Courses offered:

- 1. BSc ANBZ (Applied Nutrition, Botany, Zoology)**
- 2. BSc ANZC (Applied Nutrition, Zoology, Chemistry)**
- 3. BSc ANBC (Applied Nutrition, Botany, Chemistry)**
- 4. BSc ANPyZ (Applied Nutrition, Psychology (MOOCS), Zoology)**
- 5. BSc ANPyB (Applied Nutrition, Psychology (MOOCS), Botany)**
- 6. BSc ANMBC (Applied Nutrition, Microbiology, Chemistry)**
- 7. BSc ANPyMB (Applied Nutrition, Psychology (MOOCS), Microbiology)**
- 8. BSc ANMBZ (Applied Nutrition, Microbiology, Zoology)**

Result Analysis of Applied Nutrition

