

## Green Ganesha: 16th September 2023

The Department of Genetics and Biotechnology conducted an event as part of the greENERGY club activity making of **Green Ganesha with leaves**. The event was organized on **16th September, 2023** at 2:00 pm at **Vivek Bharathi** stage. The event began by inviting the principal Dr GSVRK Choudhary and faculty incharge and Dr K Anuradha Department of Microbiology. The objective of the event was to create an awareness among the students regarding the auspicious occasion of Ganesh Chaturthi festival. The event was to make a Ganesh idol using leaves of different plants that is a part of the festival. Promoting the use of eco-friendly materials to minimize the use of harmful materials which affect nature. This in turn will help the students to relate the importance of our traditions associated with festivals. The efforts of students were commendable as they really stick to the theme of making Ganesha with leaves. Students used leaves of hibiscus, betel, peepal, coconut, banana etc

There were 6 teams with two members and two solo participants who were part of the event. Altogether 14 students participated in the event. The students participated with a lot of enthusiasm. The event was judged by Dr S Lalitha, faculty from management studies and Dr J Sarada, faculty Department of microbiology.

The winners were:

1st prize: M Abhilaya B Sc BTGC II year

2nd prize: Vishnupriya and Rushitha BTGC I Year

Consolation prize: B Sruthi and Y Sruthi HDS





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List of participants

S No	Name of student	Class/Section
1	Vishnupriya	B Sc BTGC I year
2	Rushita	B Sc BTGC I Year
3	Ajay kumar	MGC II Year
4	Ch. Harshitha	MGC II Year
5	M Abhilaya	BSc BTGC II Year
6	B Sruthi	B Sc HDS
7	Y Sruthi	B Sc HDS
8	Taruni	B sc BTGC I year
9	Taruni Shree	B sc BTGC I Year
10	Akshita	B Sc BTGC I Year
11	Vaishnavi Erram	B Sc BTGC I year
12	C Poornima	B Sc BTMC I year
13	Arka Dutta	B Sc MGC II year
14	Aman Khan	B Sc MGC II year

## **Report on Teachers Day**

Teachers day is celebrated on the 5<sup>th</sup> September each year on the auspicious occasion of the birth of Dr.Sarvepalli Radhakrishnan who was known as an amazing teacher of his time. Commemorating his birthday, teachers day was celebrated at Bhavan's Vivekananda College on the 5th of September 2023. The event was organized by the Management of BVC and hosted by the Department of Genetics and Biotechnology.

Vice Chairman Air Cmdr (Retd) J. L. N. Sastry Sir graced the occasion. The program began with the ceremonial Lighting of the Lamp. It was followed by a group song sung by the faculty members of the hosting department. The Vice Chairman and Principal were presented with potted plants by the student volunteers.

Vice Chairman Sir addressed the faculty members and gave his blessings. Principal Dr.G.S.V.R.K Choudary paid respects to his teachers in his address to the gathering.

The dignitaries presented mementos to the staff members who have completed 15 years of dedicated service to the institution. Mrs Sudha Gorthy award was given to the recipients of Telangana State Government Best Teacher award. All faculty members received Teachers Day memento.

A video screening was done in honour of the great Indian teachers and their selfless contributions they made to the society.

Dr J Sarada from Department of Microbiology and Ms Sneha Govind from Department of Arts expressed their views on the occasion. New faculty members introduced themselves to the gathering.

A fun quiz conducted as part of the informal event. All the faculty members actively participated, enjoyed, and won prizes. The program ended with the Vote of Thanks proposed by Dr I Rachana Kumari.





## REPORT – ALUMNI MEET 2023

### DEPARTMENT OF GENETICS AND BIOTECHNOLOGY

The Department of Genetics and Biotechnology organised an alumni meet on 29<sup>th</sup> August, 2023 in room no 71 from 12 to 1pm. The objective behind this program was to motivate and encourage the students to pursue higher education in the field of Genetics and Biotechnology. It also enlightened the students on their career guidance.

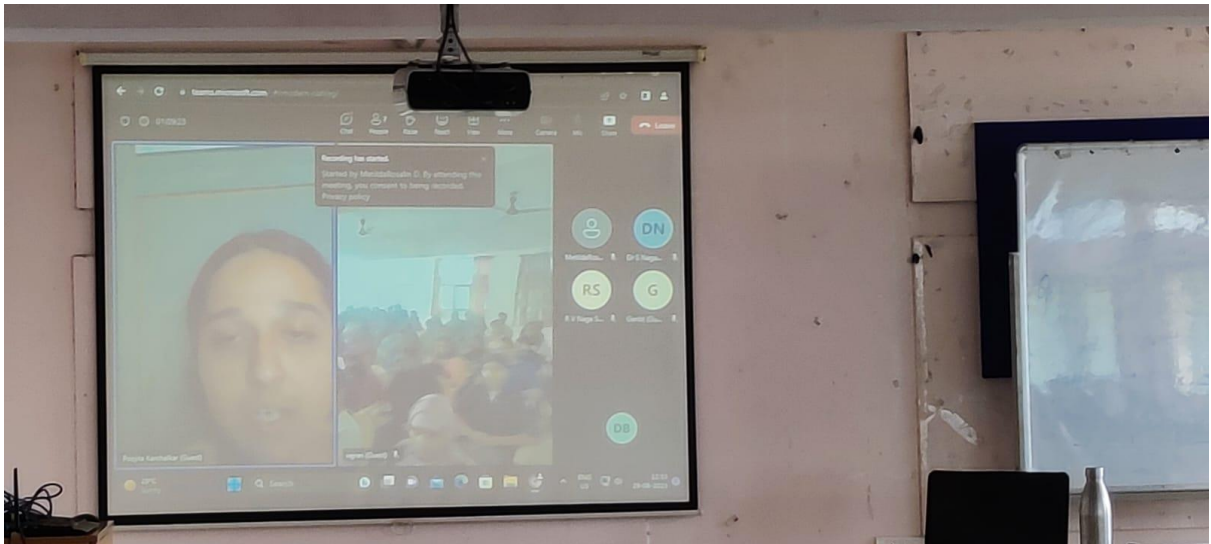
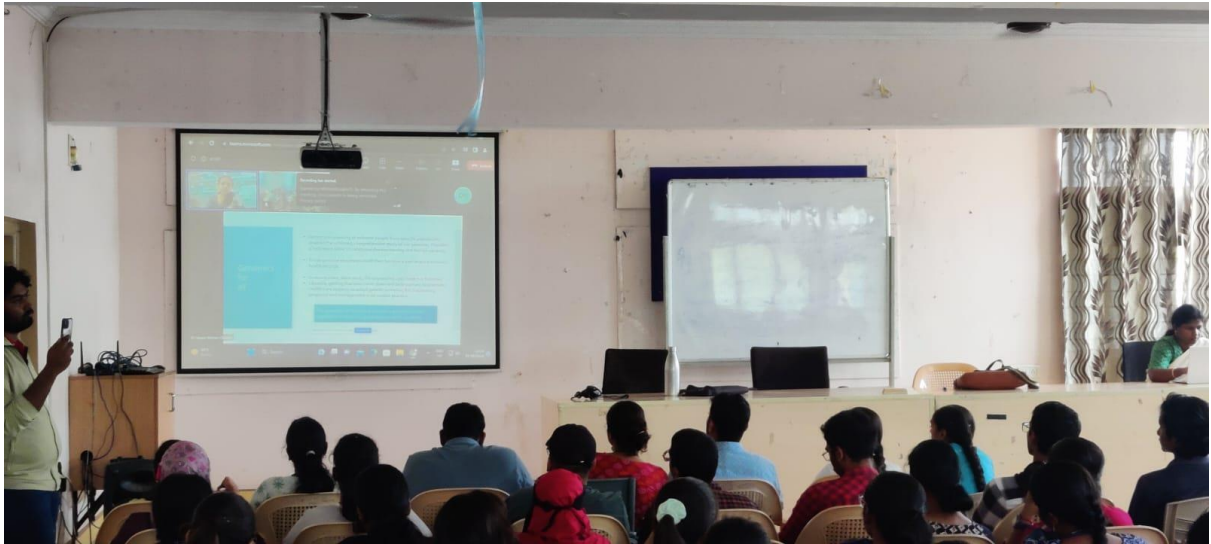
The speaker for the meet were the alumni of our department namely Dr. Vasavi Mohan [MGC,1994-97], Head and consultant, Department of Cytogenetics at Apollo health and lifestyle Poojitha Karchalkar [BTGC 2016-19], Genome analyst at Medgenome, Bangalore. N. Krishna Chaitanya [MGC 2015-18], Ph.D-SRF,CCMB.

The lecture was insightful, interactive and informative. It helped the students to clarify their doubts and paved a way to be more confident as they chose their masters, research and career.









## **Report on Commemoration Day - Sir Gregor Johann Mendel 20th July 2023**

The Commemoration Day is celebrated on 20th July as Sir Gregor Johann Mendel's Birthday.. He was born in the year 1822 at Heinzendorf in Austria. He was an Austrian botanist and plant experimenter who laid the mathematical foundation for the science of **Genetics**. His contributions to the field of genetics through his experiments on Pea Plants led to be recognized as "Father of Genetics". The Department of Genetics and Biotechnology celebrated the day by organizing two events at MBA Block, Seminar Hall from 10:30 am onwards. Though there was a delay due to inclement weather, the event started with the lighting of the lamp by the dignitaries followed by the welcome address by Dr B Kalpana, Head Department of Genetics and Biotechnology. Later DR GSRVK Choudary, Principal, BVC conveyed his wishes for the day. Dr Anuradha, Faculty Incharge of Life Sciences addressed the gathering by giving an insight about the programmes offered by the college with Genetics as one of the subjects. Dr Bharath Atthe, CCMB, Hyderabad highlighted the significance and necessity of the mobile Science Exhibition under Govt of India Initiative.

**Guest lecture** by : Dr Ramakrishna Kancha.

I/c Director, UGC Assistant Professor  
Prof G M Reddy's Center for Plant Molecular Biology  
Osmania University, Hyderabad  
Telangana.

Title : Role of Genetics in Personalized Cancer Medicine

Dr Ramakrishna spoke on different drugs used for Cancer therapy that will help to better understand the interventions for personalized medicine by sharing his work. The talk was very interesting and motivating. Students were interactive during the question & answer session. Students also enquired regarding future perspectives of personalized Medicine. There were 60 undergraduate students who attended the session.

**The Mobile Science exhibition** by Gene Health Connect in Collaboration with the Center for Cellular and Molecular Biology, Habsiguda, Hyderabad was organized at Science quadrangle from 10:00 am. The exhibition is themed on the biology of genes, their functions and the abnormal changes leading to diseases. The students will get an awareness on personalized, preventive medicine and the importance of genetic testing. Thus, disseminating information to the youth who can advocate towards the prevention of genetic diseases. The exhibits displayed were on Genetic Screening, SNPs, Sex determination, polypeptide synthesis, Spot the mutation, Types of mutation, Single gene disorders, Alleles of a gene, Thalassemia, prenatal diagnosis and nature vs nurture.. There were 72 students from Aurobindo Junior College along with three faculty members who visited the exhibits. 14 students of high school from Bhavan's Sri Ramakrishna Vidyalaya, Sainikpuri were accompanied by three staff members to the exhibition. 130 students from Bhavan's Vivekananda College of B A, B Sc, B Com and PG were also a part of the Mobile Science exhibition. The exhibits were well explained by the student volunteers namely Karthik Raj, Tarini Tanaya, Kavyasri, Shreya Baskar, Vajran, Kalvin K from final year and K Prakruti, Anirbhan, Harshitha, Havishmathi, Mirza, Jaanvi, Abhilaya, Varshitha from second year. The

Commemoration day event was a grand success with the enthusiastic participation of 216 students.



Group Photo with the dignitaries and Faculty, Department of Genetics & Biotechnology, BVC



Dignitaries on the dias



Presentation of memento to the guest speaker



Dr Bharath, Faculty and student volunteers at the mobile Science exhibition



## List of Student Volunteers for Mobile exhibition on 20th July, 2023

S.No	Name	Programme
1	Shreya Baskar	BTGC III
2	Kalvin Kathi	BTGC III
3	G.G.D.D Sree Vajran	BTGC III
4	Darshana	BTGC III
5	Karthik Raj	MGC III
6	Tarani Tanya	MGC III
7	Kavya Sri	MGC III
8	Prakruthi	MGC II
9	Mirza Fareedulla Baig	MGC II
10	Anirban Dash	MGC II
11	Havishmathi	MGC II
12	M.Lakshmi Nikita	MGC II
13	Radha Prasanna	BTGC II
14	Abhilaya	BTGC II
15	G.Manaswi	BTGC II
16	C.Poornima	BTMC II
17	Isha deep	BTMC II

## **Report on Induction Program**

### **Dept of Genetics and Biotechnology**

The Department of Genetics and Biotechnology conducted an induction program on 20<sup>th</sup> June, 2023 for the newly admitted life sciences students belonging to BtGC, BtMbC and MGC combinations on a rotation basis.

Dr. B. Kalpana, Head, Dept of Genetics and Biotechnology welcomed the students and introduced the faculty members of the department. She addressed the students on issues like punctuality, attendance criteria, anti- ragging, departmental activities, guest lectures, outreach programs to name a few.

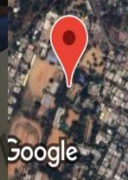
Later the faculty members addressed the students individually. Students interacted with the faculty members enthusiastically by introducing themselves and sharing their interests. Mrs.D.Metilda Rosalin briefed them about the department and its activities including greEnergy club through a power point presentation.

Two Alumni, Aryan Gupta (MGC Batch 20-23) and T. H. Raghunandhan (BtGC Batch 15-18) addressed the students and shared their experiences during their stay at Bhavan's and they also shared of how their college life have transformed them to achieve their goals and succeed.

The students were then taken to the Genetics and Biotechnology laboratories and brief instructions were given about the instrumentation and facilities available in the department.



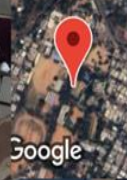
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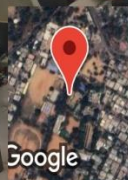
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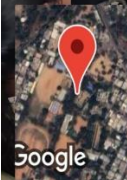
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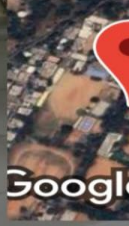
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## **Institute of Genetics and Hospital for Genetic Diseases Training Program Report**

1<sup>st</sup> May 2023 to 31<sup>st</sup> May 2023

### **Introduction:**

The training program at the Institute of Genetics and Hospital for Genetic Diseases, held from 1<sup>st</sup> May 2023 to 31<sup>st</sup> May 2023, was a resounding success. This comprehensive program aimed to provide students with a deep understanding of genetics and genetic diseases through hands-on experiences, practical sessions, and expert guidance. Under the leadership of esteemed professionals and with the support of the institute, the program facilitated an enriching learning environment for all participants.

### **Program Highlights:**

Throughout the program, participants engaged in a wide range of activities spanning various departments, including clinical genetics, molecular biology, clinical biochemistry, cell biology, and cytogenetics. The program encompassed a blend of theoretical knowledge, practical laboratory work, patient interactions, and counselling sessions. Notable highlights of the program include:

- 1. Clinical Genetics:** Participants gained insights into invasive techniques such as cordocentesis, Chorionic Villus Sampling (CVS), and Fetal Intrauterine Blood Transfusion (FIUT). Non-invasive techniques like Early TIFFA, NT Scan, and Fetal Echocardiography were also explored. Additionally, counselling sessions for patients with genetic diseases and consanguineous marriage were conducted.
- 2. Molecular Biology:** Participants acquired skills in PCR (Polymerase Chain Reaction) and DNA isolation from blood. The program provided a hands-on experience in DNA analysis techniques, enabling participants to understand the application of molecular biology in diagnosing genetic disorders.
- 3. Clinical Biochemistry:** The program covered a wide range of clinical biochemistry tests, including Wilson disease screening, metabolic disorder analysis, and newborn screening. Participants were exposed to advanced techniques such as Radioimmunoassay, enhancing their understanding of biochemical analysis in the diagnosis and management of genetic diseases.
- 4. Cell Biology and Cytogenetics:** Participants delved into the intricacies of cell biology and cytogenetics, including karyotyping of various patients and Fluorescence In Situ Hybridisation (FISH) techniques. These experiences provided valuable insights into the structural and functional aspects of cells and the identification of chromosomal abnormalities.

### **Conclusion:**

The program, spanning from 1 May 2023 to 31 May 2023, proved to be a transformative experience for all participants. With the active involvement of 55 students, the program fostered a collaborative and dynamic learning environment. Participants gained practical skills, expanded their knowledge base, and developed a deep appreciation for the field of genetics and genetic diseases.

Furthermore, we express our gratitude to all the faculty, staff, guest lecturers, and participants who contributed to the program's success. Their enthusiasm, dedication, and active participation played a vital role in creating a meaningful and enriching experience.

We look forward to future endeavours and hope that the knowledge and skills gained during this program will inspire participants to pursue further studies and research in the field of genetics, making significant contributions to the field and the betterment of society.





### List Of Participants

Sl. No	Name	Roll. No	Section
1	Mr. Karthik Raj	107221459043	Mb. G. C- II
2	Ms. B. S. Tarini Tanaya	107221459039	Mb. G. C- II
3	Mr. Satyaprasad Sahoo	107221459037	Mb. G. C- II
4	Mr. Samuel Vangari	107221459036	Mb. G. C- II
5	Ms. D. Vaishnavi	107221459005	Mb. G. C- II
6	Ms. M. S. Prerna	107221459018	Mb. G. C- II
7	Ms. G. Kavya Sri	107221459015	Mb. G. C- II
8	Ms. N. P. Shreya	107221459044	Mb. G. C- II
9	Ms. Gangavaram Alekhya	107221459008	Mb. G. C- II
10	Ms. Vidhisha	107221459045	Mb. G. C- II
11	Ms. Karne Niharika	107221459020	Mb. G. C- II
12	Ms. Astha Gungun Patel	107221459031	Mb. G. C- II
13	Ms. Suma Jakkampudi	107221459011	Mb. G. C- II
14	Ms. Shrutishree Swain	107221459025	Mb. G. C- II
15	Mr. Gudari Giridhar	107221459041	Mb. G. C- II
16	Mr. Vodapalli Varshith	107221459028	Mb. G. C- II
17	Mr. Saluvadi Nikhith	107221573013	Bt. G. C- II
18	Mr. G. Sai Siddartha	107221573003	Bt. G. C- II
19	Ms. Jarajapu Sai Kruthi	107221573046	Bt. G. C- II
20	Ms. Shreya Baskar	107221573037	Bt. G. C- II
21	Ms. Sruthika Singana	107221573047	Bt. G. C- II
22	Ms. Bhargavi Dasgupta	107221573024	Bt. G. C- II
23	Ms. Shalini	107221573014	Bt. G. C- II
24	Mr. Guntheti G. D. D. Sree Vajran	107221573027	Bt. G. C- II
25	Ms. Shaik Farshan	107221573035	Bt. G. C- II
26	Ms. Khusbu Choudhary	107221573030	Bt. G. C- II
27	Ms. Jyothi Yadav	107221573028	Bt. G. C- II
28	Mr. Kalvin Kathi	107221573043	Bt. G. C- II
29	Ms. Darrshana Miryala	107221573042	Bt. G. C- II
30	Ms. Pulliethikurthi Lokeshwari	107221573010	Bt. G. C- II
31	Ms. Nafisa Ali	107221573032	Bt. G. C- II
32	Mr. Nizamuddin	107221573029	Bt. G. C- II
33	Ms. N. Prathusha	107221573031	Bt. G. C- II
34	Ms. Pudtha Naga Supreetha	107221471009	Mb. Bi. C- II
35	Ms. Akanksha Yedla	107221471010	Mb. Bi. C- II
36	Mr. C. Saketh	107221545001	Mb. ND. C- II
37	Ms. Sneha S	107221545022	Mb. ND. C- II
38	Mr. Sai Anirvin Reddy	107221545016	Mb. ND. C- II
39	Ms. Fouzdar Srujana	107220459025	Mb. G. C- III
40	Ms. Devulapalli Akshara Varna Sai	107220459046	Mb. G. C- III
41	Mr. Vishwas Somadri	107220459018	Mb. G. C- III
42	Ms. P. Rohini	107220459016	Mb. G. C- III
43	Ms. Madichetti Tejasree	107220459014	Mb. G. C- III

44	Ms. Apoorva Paramatmuni	107220459050	Mb. G. C- III
45	Ms. Daripelli Anusha	107220459039	Mb. G. C- III
46	Ms. Vanam Laya	107220459022	Mb. G. C- III
47	Ms. Khushi Kullarwar	107220459029	Mb. G. C- III
48	Ms. Prukuthi Praveen Shenoy	107220459043	Mb. G. C- III
49	Mr. Aaron Singleton	107220459037	Mb. G. C- III
50	Ms. P. Bhavya Sri	107220573002	Bt. G. C- III
51	Ms. Donapally Swetha	107220573007	Bt. G. C- III
52	Mr. T. Sri Nandhan Goud	107220573015	Bt. G. C- III
53	Ms. Patwari Ambika	107220573050	Bt. G. C- III
54	Ms. C. B. Likitha	107220573004	Bt. G. C- III
55	Ms. K. Malavika	107220573019	Bt. G. C- III