



KLE Society's  
**S. NIJALINGAPPA COLLEGE**

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Re-accredited by NAAC at A<sup>+</sup> grade with 3.53 CGPA  
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**DEPARTMENT OF ZOOLOGY**

**VISIT TO HUMAN GENETICS**

In order to celebrate the Foundation day, the Centre for Human Genetics, Bengaluru had organized an OPEN DAY event on 2<sup>nd</sup> May, 2022 at CHG, Biotech Park, Electronic City Phase I. The Centre for Human Genetics {CHG} is engaged in advanced research, education and specialized training in human genetics and genomics, especially in the context of human disease. The main aim of this event was to showcase activities of the center and to develop interest in college students at the undergraduate and graduate levels, to explore the newer areas of biomedical genetics.

Students and faculties from different colleges were invited to participate and a group of volunteers were assigned to guide the students. In the beginning, we were introduced to the M.Sc programme in Human Disease Genetics, which was offered by their centre. Later on posters on the recent research in the area of Genetic and Molecular Biology in relation to human health and diseases for instance, Epidermolysis Bullosa in which they had two success stories of a 7 year old girl and 3 year old boy, Beta Thalassemia, Diabetic Retinopathy where they were concentrating on Type 2 diabetic patients, Prenatal Diagnosis, Genetics of hearing loss, Conventional Cytogenetics, Molecular Cytogenetics and other technologies and treatments were also explained. There was a wide gain of knowledge on Fluorescence in situ hybridization (FISH) and also on the use of fruit fly to understand disorders that alter body or organ size. Moreover, there were also hands on scientific demonstrations in the labs. A QED play on the life and thoughts of the most renowned, the Nobel Laureate Prof. Richard Feynmann was also organized in the auditorium by Kutuhali team, Mysore. And an exciting quiz on Human Biology and Genetics was also held by Quiz master, Mr. Berty Ashley where everyone was encouraged to participate. We were astonished by knowing about few prominent women like Kamala Sohonie, Rajeshwari Chatterjee, Irawati Karne. Lunch facilities were also available.

All the posters, videos displayed, and scientific demonstrations were fascinating. It was an amazing and informative event for students. These types of events are a source to increase knowledge and interest in the field of science and biomedical genetics.

**Beneficiaries:** 29 students (I, II & III B.Sc. Advance learners) & 2 Zoology Staff members.

**Out Come:** Students learnt about,

1. Various diseases which are caused by mutation of human genes.
2. DNA isolation, electrophoresis, gel Doc, FISH and various other techniques in Biology.
3. *Drosophila* culture, different varieties of mutants & related research.









Students gaining knowledge about Drosophila culture and identification



Group Photo

*TWandi*

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K.L.E. Society's S. Nijalingappa College

DEPARTMENT OF BOTANY, BIOTECHNOLOGY AND ZOOLOGY

LIST OF STUDENTS VISITED CENTER FOR HUMAN GENETICS.

SLNo	Name of the student	Class	Signature
01	Sachin S	I NEP	Sachin S
02	Shalini S	I NEP	Shalini S
03	Likhitha M	I NEP	Likhitha M
04	Archana C	I NEP	Archana C
05	Hitha S	I NEP	Hitha S
06	Trupthi J	I NEP	Trupthi J
07	Varsha C	I NEP	Varsha C
08	Moulya N	I NEP	Moulya N
09	Pranav R	II B.Sc	Pranav R
10	Shravan Y N	II B.Sc	Shravan Y N
11	Monika V R	II B.Sc	Monika V.R
12	Sandya J	II B.Sc	Sandya J
13	Kushi d Jain	II B.Sc	Kushi d Jain
14	Likhith	II B.Sc	Likhith
15	Syed Umar	II B.Sc	Syed Umar
16	Praveen Mangyala	II B.Sc	Praveen mangyala
17	Sahan P	II B.Sc	Sahan P
18	Ashwini P M	II B.Sc	Ashwini P M
19	Varshini V	II B.Sc	Varshini V
20	Vidyalakshi C S	II B.Sc	Vidyalakshi C S
21	Geethashree P M	II B.Sc	Geethashree P M
22	Shreya S	II B.Sc	Shreya S
23	Bhoomika S Patil	II B.Sc	Bhoomika S Patil
24	Abhishek Gowda S	III B.Sc	Abhishek Gowda S
25	Prashanth L	III B.Sc	Prashanth L
26	Shraddha S	III B.Sc	Shraddha S
27	Abhinavya U K	III B.Sc	Abhinavya U K
28	Shashipriyanka B M	III B.Sc	Shashipriyanka B M
29	Shreesha M Nadagowda	III B.Sc	Shreesha M Nadagowda

STAFF MEMBERS:

1. Smt. Tejaswini V Nandi, Head of department of Zoology
2. Dr. Suhasini L Kudupali, Asst. Prof, Dept of Zoology

