



DCT's
Dhempe College of Arts and Science
Miramar - Goa

CHIASMA (2015-2020)

'Chiasma' is an inter institutional event organized by the Department of Biotechnology, Dhempe College of Arts and Science since 2015. Prior to this event, the department organized a 'Biotech Week'. With an overwhelming response from various higher secondary schools, the event was later reframed and renamed as 'CHIASMA – *Bridging the Gap*'. The name depicted the intention and initiative to create awareness among young students about Biotechnology as an advanced field of science and its scope and also to provide a platform for undergraduate students of Biotechnology to showcase their potential.

Objectives:

- To promote scientific inquisitiveness among budding young students.
 - To display the life science skills for the students of Higher Secondary Schools of Goa.
 - To encourage students to take interest in Biotechnology as their career option.
 - To allow students to sharpen their creativity by motivating them to make models and exhibits.
 - To impart confidence in students giving them an exposure while demonstrating their exhibits to the students of Higher Secondary Schools and faculty members.
- **2015 – 2016**
- The Department of Biotechnology organized the Exhibition cum Event “**Chiasma**” on 01.12.2015 and 02.12.2015. The exhibition was visited by young enthusiastic students from different Higher Secondary Schools and Colleges from Goa. The event included posters, experiments and small projects based on the theme of Biotechnology that were displayed for the students. The Events were organized for Higher Secondary students from various institutions in Goa.

▪ **2016 – 2017**

Chiasma 2016 was hosted by the Department of Biotechnology, DCT's Dhempe College of Arts and Science, on 06.12.2016 and 07.12.2016 for students of various higher secondary schools. These included M.E.S Higher Secondary School, VasantraoDempo Higher Secondary School of Arts & Science - Miramar, S.S.Samiti Higher secondary school of science – Ponda and high school like Sharda Mandir School - Miramar. Various projects, posters and models on Biotechnology and different instruments used in Biotechnology-related experiments were showcased.



Inauguration ceremony



Students' encouragement by the College Administrator & Principal



Overwhelming response from higher secondary schools all over Goa

▪ **2017 - 2018**

The Department of Biotechnology organised Chiasma 2017 under 'Inspire the Next' Science Exhibition on 12.12.2017 and 13.12.2017. The F.Y.B.Sc. and S.Y.B.Sc. students had put up exhibits pertaining to different fields of Biotechnology- Environmental Biotechnology, Food Biotechnology, Plant Biotechnology, Animal Cell Culture, Immunology, Zoology, Molecular Biology, Industrial Biotechnology, Biochemistry and Biological Engineering. Projects and Models of each field of Biotechnology were displayed. The principle and working of the laboratory instruments like Laminar Air Flow, Fluorescent Microscope, Inverted Microscope, gel Electrophoresis unit and many more were explained by the T.Y.B.Sc. students.

Around 600 students and faculty from 8 colleges attended the exhibition making it a success.



Exhibits displayed at Chiasma

2018 –2019

‘Chiasma 2019’ was organised by the Department of Biotechnology on 29.01.2019 and 30.01.2019 that witnessed an audience of a total of 233 visitors. The working models on the theme of Biotechnology and Life Science were displayed for the exhibition. A quiz competition was organised on the theme of Biotechnology. The inaugural issue of the departmental newsletter ‘Codon’ was released on the occasion of the inauguration of the Science Exhibition.



Chiasma 2018

▪ **2019 – 2020**

Chiasma7.0 was held on 11.12.2019 and 12.12.2019, wherein the first day’s programs were held in the College premises while the second day’s programs were held at

Estella Hall of Club Tennis de Gaspar Dias. The students of first year and second year put up various exhibits related to the subjects. Working models were also displayed. The students of third year explained the different instruments in the laboratory to the visitors. Around 230 people visited the exhibition. 9 colleges participated in the various competitions organised.



Chiasma 7.0 Science exhibition cum inter-higher secondary and inter-collegiate event on 11th & 12th December 2019



Winners – Mushtifund Aryans HSS – Cujira



Winners – St. Xaviers College - Mapusa

Outcomes:

- Students' enthusiasm in participation was noticed over a period of time.
- Sharpening of students' creativity while designing the events was noticed.
- Students' organisational skills were noticed to be improved.
- Confidence level of students was improved which was seen in their overwhelming participation in various intercollegiate competition and through their enhanced performance in the same.



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