



# Hindusthan

## College of Arts & Science

An Autonomous College - Affiliated to Bharathiar University  
Approved by AICTE and Govt. of Tamilnadu  
Accredited by NAAC-An ISO Certified Institution

### DEPARTMENT OF BIOTECHNOLOGY

#### STUDENT ACTIVITIES (2021-22)

#### HUMAN KARYOTYPING-WORKSHOP

The Department of Biotechnology, Hindusthan College of Arts, Coimbatore, organized the DBT STAR College Sponsored programme entitled “**Human Karyotyping**” on 22-11-2021. The chief guest, **Prof. Dr. R. Raguathan**, Director & Research Supervisor CBNR Coimbatore – 21 conducted the workshop. Training provided on different stage of chromosomes was viewed under microscope. The applications of Karyotyping to identify genetic problems were discussed. The Reason of knowing about karyotyping in order to detect genetic diseases in unborn babies still developing in the womb were discussed. The term Cytogenetics and its applications to learn about the relationship between genetics and health were explained. Detection of different abnormalities of chromosomes were mentioned in the workshop. Students get understand about the basic function and techniques about human karyotyping. There were 30 Students and 2 Faculty member participated the programme.



Glimpse and brochure of the event

## SDS- WESTERN BLOTTING TECHNIQUES

The Department of Biotechnology, Hindusthan College of Arts, Coimbatore, organized the DBT STAR College Sponsored programme entitled “**SDS- Western Blotting Techniques**” on **14.12.2021**. The chief guest, Dr. Vijayakumar, Research Co-ordinator, VJ Biotech, Coimbatore conducted the workshop. Training provided on the brief introduction about SDS and Western blotting were explained. Preparation of samples for protein separation by SDS-PAGE and also clarifies the chemical and their reaction while mixing the composition. How to cast the gel, what is the polymerization and how anode and cathode ions work in buffer solution were demonstrated. The western blotting packaging and preparation of the samples done by students. The sample volume and running procedure followed visualization neatly discussed and also demonstrated. There were 30 students get trained in the event.

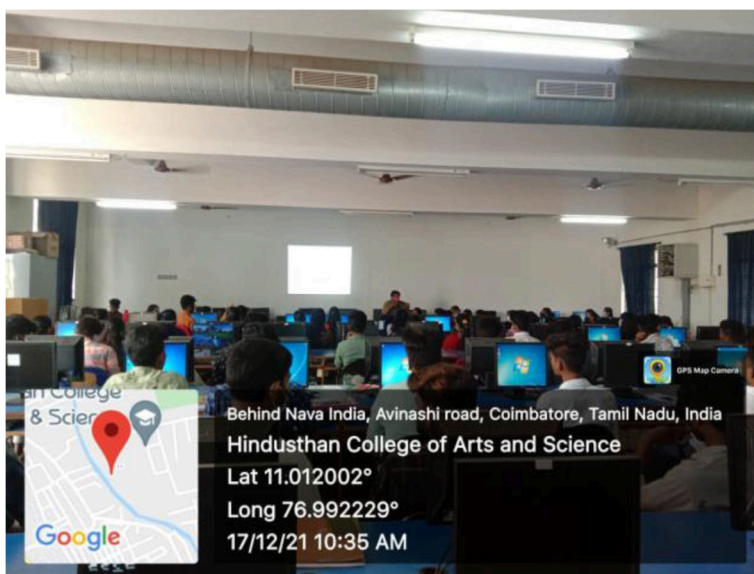


Glimpse and brochure of the event

## HANDS ON TRAINING WORKSHOP ON TOOLS IN BIOINFORMATICS

The Department of Biotechnology, Hindusthan College of Arts, Coimbatore, organized the DBT STAR College Sponsored programme entitled “**Hands on Training Workshop on Tools in Bioinformatics**” on **17-12-2021**. The resource person, **Dr. S. Shanthi Priya**, Associate Professor, Department of Biotechnology, School of Biological Science, CMS College of Science and Commerce, Coimbatore. The workshop is to engage the students to understand the different sources, software’s and servers used in Bioinformatics for drug discovery and development. In Session I, start with the introduction of Bioinformatics and its applications. A major software, web sources and Databases were showed to the participants and instruct them to collect the data. The different types of data collection and structure retrieve and important websites were showed. Students were trained for hands on to utilize the software both online offline mode. Phylogentic tree analysis and visualization of protein structure through online mode were demonstrated. All the student participants were involved to perform individually, as it is workshop in Hands on training. They could understand the different types of Bioinformatics tools handling. There were 120 Students get trained in the workshop





Glimpse and brochure of the event

## GENDER EQUITY

The Department of Biotechnology, Hindusthan College of Arts, Coimbatore, organized the DBT STAR College Sponsored programme entitled “**Gender Equity**” on **22.12.2021**. The resource person was Sukanya Jay, Freelancer, Coimbatore. The programme was aimed to provide students to know about the gender responsibility and response. In this session what are the genders and how to differentiate their characters were discussed. How to protect during the incompatible situation and how can restrict the people those who are unwillingly react were explained. The male and female character and responses, behaviour and self-respect were emphasized. What is the major comfort and discomfort zone of the female and male interaction were highlighted. The importance of gender equity and social response towards the public were interestingly interact with students. Students were highly motivated and enthusiastically respond the questions and interact with the resource person and they could know about the value of gender equity. There were 60 students benefitted from the programme.



Glimpse and brochure of the event

## YOGA AWARENESS PROGRAMME

The Department of Biotechnology, Hindusthan College of Arts, Coimbatore, organized the DBT STAR College Sponsored programme entitled “Yoga Awareness Programme” on 06-12-2021. The resource person was **PROF. J. R. SUBRAMANIAN MA (Yoga)** Retd govt officer in Education dept. Guest lecturer in Agri university Coimbatore. The programme was aimed to provide the importance and need of Yoga. Importance of Yoga and different position and their functions were simplified and explained. The value of yoga and meditation emphasized and how it can help human body free from illness. Each Yoga and its function and how to do in correct way were demonstrated. During the session all the students were participated and did various types yoga. All the participants were doing different types of Yoga and instruct to continue in daily basis. There were 45 students and 4 faculty members benefitted from the event. There were 45 students 11 faculty members participated the event.

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**PG and Research  
Department of Biotechnology**

*Organises*

**DBT STAR COLLEGE Scheme Sponsored**

**YOGA AWARENESS PROGRAMME**  
**RESOURCE PERSON**

Prof. J. R. SUBRAMANIAN MA (Yoga)  
Retd govt officer in Education dept.  
Guest lecturer in Agri university Coimbatore.

Date: 06.12.2021  
TIME: 11.00 AM - 1.00 PM

VENUE: LIBRARY SEMINAR HALL



Glimpse and brochure of the event