

HALE BOPP CLUB

2021-2022

S.No.	DATE	ACTIVITY	RESOURCE PERSON
1	06.08.2021	Interdepartmental Poster Designing Competition	Ms.J.Aarathi Assistant Professor, Department of Physics Cauvery College for Women (A), Trichy
2	19.08.2021	Art of Light	Ms.S.Bhavana Assistant Professor Head of the Department Digital Film Making Jain (Deemed-to-be University) Bangalore Urban, Karnataka, India
3	27.08.2021	Promoting women's sense of self-worth	Dr.Bhuvaneswari Subramanian Academic co ordinator Shant Manas India Trust Madurai
4	16.09.2021	Online Quiz Contest	-
5	07.10.2021	Hands on training on E-Content development and Video editing	1. Dr.P.Rajeswari, Associate Professor, Dept of Computer Science, Cauvery College for Women (A), Trichy. 2. Ms.S.Pooja Devi, Customer Success Executive, Digiit Business Services Pvt Ltd, Trichy.
6	09.11.2021	Spectroscopy Studies for Biological Applications	1. Dr.Valapapuram Immanuel, Researcher, Department of Health Sciences, University "Magna Graecia" of Cantanzaro, Italy 2. Dr.Pushparanai Micheal Raj, Microfluidic Scientist, MAX Planck Institute for Quantum Optics, Germany
7	28.02.2022	National Science Day celebration 'Techno E-exhibitions of Innovative ideas'	1. Dr. A.T. Ravichandran M.Sc., M.Phil., Ph.D., B.Ed., PGDCA., Associate Professor, PG and Research Department of Physics, National College (Autonomous), Trichy 2. Mr.E.Venkateshwaran, National Award Winner, Startup founder, Innovative farming practice, properator, Earthworm Industries

PROOFS

Interdepartmental Poster Designing Competition

CAUVERY COLLEGE FOR WOMEN (AUTONOMOUS)
 NATIONALLY ACCREDITED (III CYCLE) WITH 'A' GRADE BY NAAC
 ISO 9001:2015 CERTIFIED
 ANNAMALAI NAGAR, TIRUCHIRAPPALLI - 620 018

**HALE BOPP CLUB
 PG DEPARTMENT OF PHYSICS**
 ORGANISES INTERDEPARTMENTAL

E-POSTER DESIGNING COMPETITION

THEME: "NO MORE HIROSHIMAS! WE WANT TO GROW UP, NOT BLOW UP"

**AUGUST 6, 2021
 10AM - 4PM**

INSTRUCTIONS

- All and PG students of all departments can participate in this contest. Maximum of two entries from each department.
- For Registration: <https://forms.gle/MS2Dm5u4d4177>
- Poster File format: JPG, File size: Maximum 5 MB
- Member Name of the participant and class in the top right side of the poster
- Only English language is permitted.
- Poster will be judged based on originality, content, creativity, presentation and relevance to the theme.
- Submission link: <https://forms.gle/Y33i46w0LJbY78T>
- Poster should be submitted in the above Google form link on 06.08.2021 before 4pm
- Certificates will be provided for the prize winners and participants.

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**HALE BOPP CLUB
 PG DEPARTMENT OF PHYSICS**

REPORT

On remembrance of Hiroshima day, Interdepartmental E-Poster Designing competition was organized by Hale Bopp Club, PG Department of Physics, on 06.08.2021, by using Google form platform. Theme of E-Poster designing was "No More Hiroshimas! We Want To Grow Up Not Blow Up". Eighteen students from various departments actively participated. Judgment was based on originality, content, creativity and relevance to the theme. The following are the prize winners:

- First prize - G. JAYALAKSHMI, III B.Sc., Computer Science
- Second prize - M. KEERTHIKA, II B.Sc., Mathematics
- Third prize - R. SREE VARSHINI, III B.Sc., Biotechnology

E-certificates were awarded to both prize winners and participants.

Art of Light

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**HALE BOPP CLUB
 PG DEPARTMENT OF PHYSICS**
 ORGANIZES A WEBINAR ON

ART OF LIGHT

World Photography Day

RESOURCE PERSON

Bhavana S
 Assistant Professor
 Head of the Department
 Digital Film Making
 Jain (Deemed-to-be University)
 Bangalore Urban, Karnataka, India

DATE: 19.08.2021 TIME: 10.00 - 11.00 AM
 Google meet link: <https://meet.google.com/omv-btp-nuz>

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**HALE BOPP CLUB
 PG DEPARTMENT OF PHYSICS**

REPORT

Webinar on "ART OF LIGHT" celebrating World Photography day was organized by HALE BOPP CLUB, PG Department of Physics, Cauvery College for Women (Autonomous) on 19-08-2021 from 10:00 AM to 11:00 AM by using Google Meet platform. Ms. S. Bhavana, Assistant Professor, Head of the Department, Digital Film Making at Jain (Deemed-to-be University), Bangalore Urban, Karnataka, India, was the guest speaker. The programme was attended by nearly 100+ participants.

Dr. G. Maheswari, Associate Professor and Head, Department of Physics, welcomed the gathering.

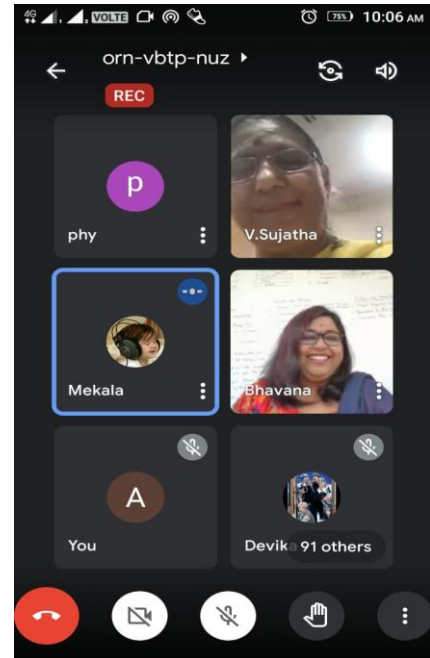
Dr. V. Sujatha, Principal, Cauvery College for Women (Autonomous) felicitated the gathering.

Ms. N. Manopriya, Assistant Professor, Department of Physics, introduced the resource person.

The topic for guest lecture was "ART OF LIGHT". The guest speaker explained the important of photography and how to use DSLR camera and its accessory. She explained the three fundamental camera settings and shutter speed. She highlighted, "Photography is the art of capturing light with a camera, shutter speed with chart & motion, aperture". She described the objectives of aperture. Also, emphasized **The Role of photography**.

Finally the webinar was concluded with vote of thanks by Ms. A. Mary Girija, Assistant Professor, Department of Physics.

The webinar was very informative & well appreciated by the participants.



Promoting women's sense of self-worth

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**HALE BOPP CLUB
 PG DEPARTMENT OF PHYSICS**

ORGANIZES A WEBINAR ON

**PROMOTING WOMEN'S
 SENSE OF SELF-WORTH**

RESOURCE PERSON
 Dr. BHUVANESWARI SUBRAMANIAN
 Academic co-ordinator
 Shant Manas India Trust
 Madurai

DATE: 26.08.2021 TIME: 10.30 - 11.30 AM

Google meet link: <https://meet.google.com/vqzr-ekdg-wrmu>

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**HALE BOPP CLUB
 PG DEPARTMENT OF PHYSICS**

REPORT

Despite the increase of diverse representation in the media, women are struggling with self-esteem. Hence, a webinar entitled "PROMOTING WOMEN'S SENSE OF SELF-WORTH" was organized by HALE BOPP CLUB, PG Department of Physics, Cauvery College for Women (Autonomous) on 26-08-2021 from 10:30 AM to 11:30 AM by using Google Meet platform. Resource person for the program was Dr. Bhuvanewari Subramanian, Academic co-ordinator, Shant Manas India Trust, Madurai. The programme was attended by nearly 100+ participants including faculty members.

The webinar started with prayer song.

Dr. G. Maheswari, Associate Professor and Head, Department of Physics, welcomed the gathering.

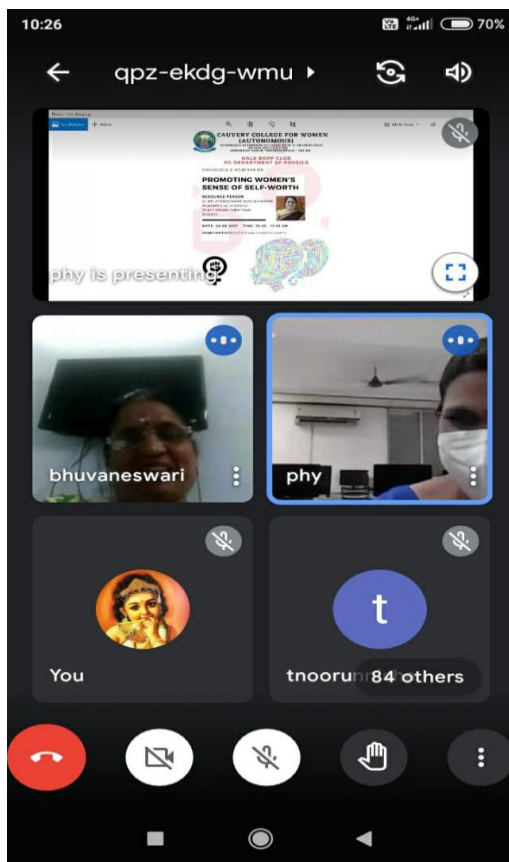
Ms. N. Manjuprabha, Assistant Professor, Department of Physics introduced the resource person.

Dr. Bhuvanewari Subramanian started the session with Kannada Desiya Vinnayagam Pillai's words:


**ಮಹಿಳೆಯರ ಸ್ವಲ್ಪವಿಧಿಗೂ - ನಮಃ
 ಸಮಗತಿಯೆಲ್ಲವೂ ಸಮಗತಿಯೆಲ್ಲವೂ
 ಸಮಗತಿಯೆಲ್ಲವೂ ಸಮಗತಿಯೆಲ್ಲವೂ
 ಸಮಗತಿಯೆಲ್ಲವೂ ಸಮಗತಿಯೆಲ್ಲವೂ**

and then explained about the various fields in which women are progressing and the importance of empowering women since it's the key for economic growth, political stability and social transformation. She explained the how women establish herself to the society and she highlighted the "ability to determine their own destinies and their rights to influence social change for themselves and others". She described the objectives of women empowerment helps in improving the status of women through literacy, education, freedom to take responsibility for their own ideas and actions. She emphasized "the role of women in society". At last she ended with that women have also been able to maintain a sustainable economy and benefit societies and human at large, and then vote of thanks was delivered.

The webinar programme was concluded with vote of thanks by **Ms. T. Neerammaika**, Assistant Professor, Department of Physics. The webinar was very motivate & well appreciated by the participants.



Online Quiz Contest


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HALE BOPP CLUB
PG DEPARTMENT OF PHYSICS
 Organizes

Online Quiz Contest
 To celebrate
 World Ozone Day

Quiz Date : 16 September 2021 | 01:00 to 02:00 pm
 Quiz Link : <https://forms.gle/iZ41Hb9WEBoz5rre7>

E-certificate will be provided for participants scoring more than 50%

Save Ozone, Save Earth!!


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HALE BOPP CLUB
PG DEPARTMENT OF PHYSICS
REPORT

In celebration with World Ozone Day, an Online Quiz Contest was organized by Hale Bopp Club, PG Department of Physics, on 16.09.2021, by using Google form platform. One hundred and twenty three students from various departments actively participated. 9-confidance were awarded to participants who scored more than 50%.





Quiz Date : 16 September 2021 | 01:00 to 02:00 pm
 Quiz Link : <https://forms.gle/iZ41Hb9WEBoz5rre7>
 E-certificate will be provided for participants scoring more than 50%

Save Ozone, Save Earth!!

Hands on training on E-Content development and video editing

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**HALE BOPP CLUB
 PG&RESEARCH DEPARTMENT OF PHYSICS**

ORGANIZES A WEBINAR ON

HANDS ON TRAINING ON E-CONTENT DEVELOPMENT & VIDEO EDITING

**OCTOBER 7, 2021
 TIME: 10.00 - 11.30AM
 GOOGLE MEET LINK:
 meet.google.com/xmo-xuwz-fnt**

RESOURCE PERSONS

E-CONTENT DEVELOPMENT	VIDEO EDITING
Dr.P.RAJESWARI ASSOCIATE PROFESSOR DEPARTMENT OF COMPUTER SCIENCE CAUVERY COLLEGE FOR WOMEN (A) TRICHY	S.POOJA DEVI CUSTOMER SUCCESS EXECUTIVE DIGIIT BUSINESS SERVICES PVT LTD TRICHY

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**HALE BOPP CLUB
 PG DEPARTMENT OF PHYSICS**

REPORT

Hale Bopp Club PG and Research Department of Physics organized a webinar on the topic **"Hands on training on E-Content development and Video editing"** through Google meet on October 7 2021 at 10 to 11:30 AM. Resource person for the program were -

- **Dr.P.Rajeswari**, Associate professor, Dept of Computer Science, Cauvery College for Women (A), Trichy.
- **Ms.S.Pooja Devi**, Customer Success Executive, **Digiit Business Services Pvt Ltd, Trichy.**

The program was attended by 100+ participants including faculty members. The webinar started with prayer song.

Dr.G.Maheswari, Associate Professor and Head, Department of Physics, welcomed the gathering.

Ms.N.Masopradha, Assistant Professor, Department of Physics introduced the resource person.

Dr.P.Rajeswari explained about the E-content development from its analysis to its implementation and evaluation process and also the content that is to be added. **Ms.S.Pooja Devi** explained about the importance of video editing and the various important process and steps that are to be followed and applications that are useful for video editing process. At last vote of thanks was delivered by **Dr.N.Kanagasabai**, Assistant Professor of Physics. The webinar was very informative & well appreciated by the participants.

Google Meet interface showing a presentation slide titled "CONTENTS REQUIRED FOR DEVELOPING E-CONTENT". The slide lists six categories: TEXT, IMAGE, GRAPHICS, ANIMATION, AUDIO, and VIDEO. The meeting participants list includes Rajeswari Comput..., phy dept, You, Kavya phy, Apoorva phy, Guna Varthini Arb..., Dr R Meenakshi P., Urmila urmila, and 85 others. A "Training Started" notification is visible at the bottom.

Google Meet interface showing a presentation slide titled "DATA NEEDED TO PREPARE E-CONTENT". The slide lists the following requirements: Title of the topic, Content related to the topic, Pictures required, and Decide the content of each slide - Script writing. A note below states "(Text alone, Text with image, animation...)". The meeting participants list is the same as in the previous screenshot. A "Training Started" notification is visible at the bottom. A location pin is shown for Tiruchirappalli, Tamil Nadu, India, with coordinates Lat 10.83212° and Long 78.681462°.

Spectroscopy Studies for Biological Applications

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**HALE BOOPP CLUB
 PG&RESEARCH DEPARTMENT OF PHYSICS**

ORGANIZES

ONE DAY INTERNATIONAL VIRTUAL CONFERENCE 2021
 On
Spectroscopy Studies for Biological Applications
 Nov 9, 2021

JOIN THROUGH GOOGLE MEET
 E- CERTIFICATE WILL BE PROVIDED TO ALL PARTICIPANTS

CHIEF PATRONS
Mr. G. MUTHUKRISHNAN
 President,
 Cauvery College for Women (Autonomous)

Mr. K. THIRUNEELAKANDAN
 Secretary,
 Cauvery College for Women (Autonomous)

Mr. S. CHANDRA SEKARAN
 Treasurer,
 Cauvery College for Women (Autonomous)

PATRON
Dr. (Mrs.) V. SUJATHA
 Principal,
 Cauvery College for Women (Autonomous)

ORGANIZING SECRETARY
Dr. G. MAHESWARI
 Associate Professor & Head
 Department of Physics
 Cauvery College for Women (Autonomous)

Program

**SESSION I
 09.30 - 11:00 AM**

TOPIC: SINGLE MOLECULE FORCE SPECTROSCOPY STUDIES FOR MECHANICAL UNREVEALING OF ENERGY LANDSCAPE IN PROTEIN PROFILES: EARLY DIAGNOSIS AND SINGLE CELL ANALYSIS USING NEXTGEN PLASMONIC DEVICES

Dr. VALPAPURAM IMMANUEL
 M.Sc., M.Phil., MS., Ph.D
 Researcher, Dept of Health Sciences,
 University "Magna Graecia" of Cantanzaro, Italy

**SESSION II
 01.00 - 02:00 PM**

TOPIC: INFRA-RED SPECTROSCOPY STUDIES WITH MICROFLUIDIC PLATFORMS TO INVESTIGATE BIOMARKERS FOR LETHAL DISEASES - A MILESTONE TOWARDS PERSONALIZED MEDICINE

Dr. PUSHPARANI MICHEAL RAJ
 M.Sc., Ph.D
 Microfluidic Scientist,
 MAX Planck Institute for Quantum Optics,
 Germany

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**HALE BOOPP CLUB
 PG & RESEARCH DEPARTMENT OF PHYSICS**

REPORT

Hale Bopp Club PG and Research Department of Physics organized one day International Virtual Conference on "Spectroscopy Studies for Biological Applications" on 9th November 2021, through Google meet. The [Google Meet](#) was attended by 98 participants including faculty members. The conference started with Prayer, and Welcome Address was rendered by [Dr. Maheswari](#), Associate Professor and Head, Department of Physics.

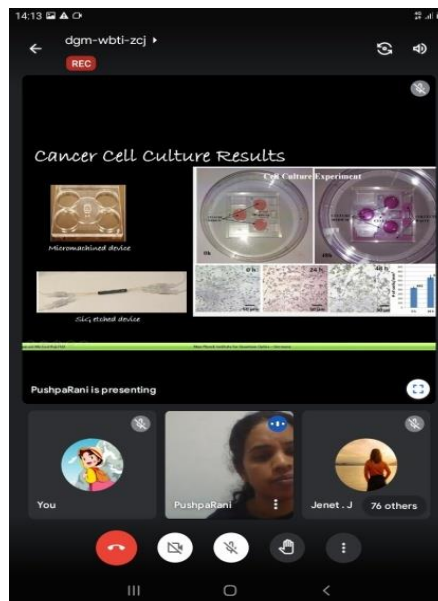
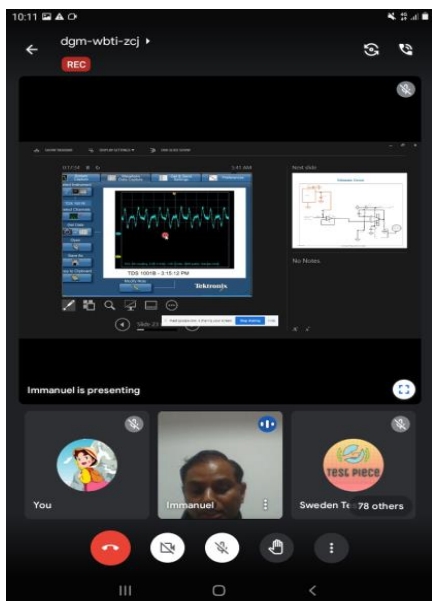
Session I: [Dr. Immanuel](#), Assistant Professor of Physics, introduced the resource person, [Dr. Valpapuram Immanuel](#), Researcher, Department of Health Sciences, University Magna Graecia of [Cantanzaro, Italy](#).

The session was then take over by [Dr. Immanuel](#), on the topic "Single molecule force Spectroscopy studies for Energy Landscape in Protein Profile: Early Diagnosis and Single Cell Analysis using NextGen plasmonic Device", from 10 am to 11 am. He explained the characteristic of complex protein folding and refolding at single molecule level using optical tweezers. [Coenzyme A Binding protein](#) is the model protein and also gave brief information about its [cause](#), optical [setup](#) and single cell analysis using [Device](#).

Session II: [Dr. S. Geetha](#), Assistant Professor, Department of Physics introduced the resource person, [Dr. Pushparani Micheal Raj](#), [Scientist](#), MAX Planck Institute for Quantum Optics, Germany.

The session was then taken over by [Dr. Pushparani Micheal Raj](#), on the topic "Infra-Red Spectroscopy Studies with Microfluidic Platforms to Investigate Biomarkers for Lethal Diseases - A Milestone towards Personalized Medicine" from 1 pm to 2 pm. She explained the basic of Spectroscopy, IR spectroscopy and touch base of biomarkers and [principle and fabrication](#).

At last vote of thanks was delivered by [Dr. S. Geetha](#), Assistant Professor of Physics, [Cauvery College for Women](#).



National Science Day celebration 'Techno E-exhibitions of Innovative ideas'

Cauvery College for Women (Autonomous)
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Institution's Innovation Council & Research Department of Physics
 Jointly Organize
Celebration on National Science Day
Techno E-exhibitions of Innovative ideas

Resource Person
Dr. A.T. Ravichandran M.Sc., M.Phil., Ph.D., B.Ed., PGDCA., Associate Professor
 PG and Research Department of Physics
 National College (Autonomous), Trichy

Special Invitee
E. Venkateshwaran, National Award Winner, Startup founder, Innovative farming practice, propagator, Earthworm Industries.

28th Feb, 2022 10.30 to 11.30 AM
Venue: Rameshwari Nallusamy Hall
 @cauvery_iic

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**HALE BOFF CLUB
 PG & RESEARCH DEPARTMENT OF PHYSICS**

REPORT

Institution's Innovation Council and Hale Boff Club PG and Research Department of Physics jointly organized National Science Day celebration "Techno E-exhibition: of Innovative ideas" on 28th February 2022, at Rameshwari Nallusamy hall. Totally 50 students of various disciplines presented and exhibited their innovative project models. The program started with prayer song, and welcome Address was rendered by **Dr.(Mrs.)V.Sujatha, Ph.D.,** Principal, Cauvery College for Women (A). **Mr. K. Thirumaleshwaran, B.A.,** Secretary, felicitated the gathering.

Dr.Malavewari Associate Professor and Head, Department of Physics, introduced the resource person, **Dr. A.T. Ravichandran** M.Sc., M.Phil., Ph.D., B.Ed., PGDCA., Associate Professor, PG and Research Department of Physics, National College (Autonomous), Trichy. **Dr. S. Sowmya,** Assistant Professor, Department of Commerce introduced the special invitee, **Mr. E.Venkateshwaran** National Award Winner, Startup founder, Innovative farming practice, propagator, Earthworm Industries. Resource person and special invitee addressed the students and judged the event.

The prize winners are as follows:

First Prize: A.Ashika Begum and V.Avanthika, III B.Sc., Physics
Second Prize: S.Arthi and S.M.Danika, II M.Sc., Computer Science
Third Prize: M.Srividya and S.Sabiksha, III B.Sc., Physics
 P.Tharanpreya and K.Udhaya Keerthana, III B.Sc., Physics

At last vote of thanks was delivered by **S. Sowmya,** Assistant Professor of Commerce, Cauvery College for Women.

