

**A REPORT ON WEBINAR – ART & SCIENCE OF EYEWEAR DESIGNING**  
**06<sup>th</sup> July, 2021**

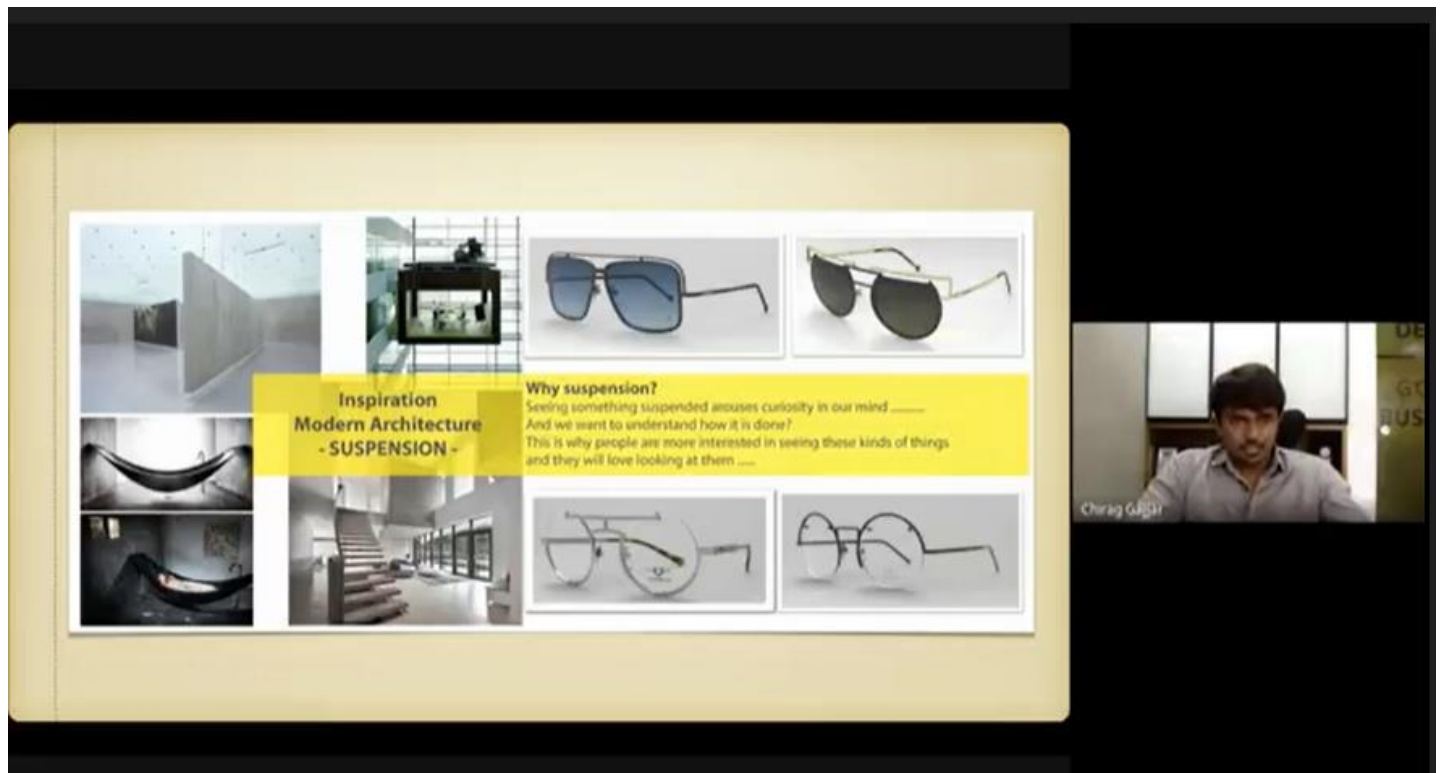
A webinar was conducted on a very special topic in the field of optometry on 6<sup>th</sup> July 2021. The name of the webinar was “Art and science of eyewear designing”. The main aim of the webinar is to aware about the scope of practice in the optometry to our pass out and current ongoing optometry students.

The expert named Optom.Chirag Gajjar who has done a unique degree in the field of eyewear designing from Italy. He has given the importance of optometrist as an eyewear designer in the today’s fashion world.



Event convener introducing guest speaker

He has covered several things like introduction to the eyewear design profession and how an optometrist can opt the carrier in it. He has also thrown the light on process of eyewear designing in the industry and how one can fulfill the demand of it, and very importantly how student can have idea of becoming the eyewear designer and practice in the india.The convener has also given the information about the facility of 3D printer in our university.



Expert talking about advanced technology used in frames



The webinar was ended with the vote of thanks by Optom.Yogesh Vaghela with the message to the students from an expert that one should go for the specialty optometry field rather just doing general optometry practice which will add the charm into their profession.

*A Colloquium On Immunology, Infection Biology And Vaccine Research*  
**Bapubhai Desaibhai Patel Institute of Paramedical Sciences**  
**Charotar University of Science & Technology**

**CIIBVR-22 Event Report**

**Event Title:** A Colloquium on Immunology, Infection Biology & Vaccine Research  
**Level:** National  
**Venue:** I<sup>2</sup>IM- CHARUSAT, BDIPS-CHARUSAT  
**Hosting & Sponsoring Organization:** Charotar University of Science & Technology  
**Core Organizing Team:** Prof. Darshan Patel (Organizing Secretary)  
Prof. Hemant Kumar (Convener)  
Debayan Baidya (Treasurer)  
**Correspondence:** 02697 265310, [events.paramedical@charusat.ac.in](mailto:events.paramedical@charusat.ac.in)  
**Participation:** 97

**Objective of the Event:**

To introduce a chapter of intellectual discussions and keynote talks from eminent researchers in the field of Immunology, Infection Biology & Vaccine Research with a motto to build intellectuals, provide exposure to current research in the respective fields and aware the masses regarding the intricacies of vaccine research.

**Talk Details:**

<b>Chair (Session I)</b> <b>(Morning Session)</b>	<b>Dr. Dhara N. Patel</b> Head- Department of MLT BDIPS-CHARUSAT
<b>Dr. Kapil Maithal</b> President- Vaccines & Diagnostics, Zyodus	<b>COVID Vaccines Development- Global Perspectives</b>
<b>Dr. Rajnish Kumar Singh</b> Ramalingamswami Fellow- Institute of Medical Sciences, Banaras Hindu University	<b>Hypoxic reactivation of Kaposi's sarcoma associated herpes virus.</b>
<b>Chair (Session II)</b> <b>(Post Lunch Session)</b>	<b>Dr. Artee Tyagi</b> Head- IQAC BDIPS-CHARUSAT
<b>Prof. Amit Awasthi</b> Professor, Immunology Translational Health Science & Technology Institute, Faridabad	<b>Understanding the immunopathology and cellular response in COVID 19.</b>
<b>Prof. Rakesh Bhatnagar,</b> Provost, Amity University, Jaipur Former Vice Chancellor, Banaras Hindu University	<b>Recombinant Vaccine Against Anthrax: From Clone to Clinical Trials.</b>

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**Inauguration**



**Dr. Darshan H. Patel, Principal, BDIPS, CHARUSAT** welcomed all the delegates and dignitaries in CIIBVR 2022. He introduced the concepts and aims of colloquium which will nurture the students towards research. The symposium was for the consideration of infection biology and immunology for the exploration in vaccine development highlighting *Increasing research and development, funded by government have led to a new global situation where disease that earlier threatened millions of people, no longer exist*. The scientist continuously contributed in the vaccine research were approached to light the pathways in succeeding towards vaccine development

**Interactive Sessions**



Zycovid- a DNA plasmid based COVID 19 vaccine developed by an Indian Pharmacist **Dr. Kapil Maithal, Director, Zydus vaccine and diagnostic**, briefed out the importance and improvements in vaccine development towards eradication of the disease at regional, national and global level by following therapeutics or preventive strategies. He very well explained that

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how the herd immunity interferes in spread of disease. He also briefed out different possibilities of vaccine approach and phases passed out before final approval.

**Dr. Rajneesh Kumar Singh, a Ramalingamswami fellow**, explored the latent virus HSV (Herpes simplex virus) and shared his finding to understand how it is associated with Kaposi sarcoma- an oncogenic condition. He discussed Hypoxic induced HSV reactivation and provided very detailed step by step understandings for coining the functions of his research with his real time data which provided a glimpse of thorough investigation and a curiosity led to research for the attendees who interacted with several crucial questions though basics, after his presentation.

**Prof. Amit Awasthi, scientist at Translational Health Science and Technology Institute (THSTI) remarkably presented his views on COVID 19**". He shared his findings of lipodomics and metabolomics significant association with COVID-19. He discussed their designed longitudinal study to understand the T-cell response in front of COVID 19 infection and how the innate cytokines up regulate the T-cell response. Followed by his talk he even mentioned his collaborations with Dr. Maithal during the developmental stages of Zycovid DNA vaccine and mentioned his experience in the process of research.

**Prof. Rakesh Bhatnagar, Provost, Amity University, Former Vice Chancellor, BHU.** He shared his long journey on the vaccine approach against the Bio war agent "*Bacillus anthracis*" causing anthrax- a life threatening disease. He discussed on his latest discovery on Recombinant Anthrax vaccine, multiple attempts that have been made for developing, DNA Vaccine, B cell epitope vaccine, edible vaccine and therapeutic antibodies against anthrax. He also discussed the different ways of enchanting vaccine like through tobacco and tomato consumption. He provided the glimpse of his BSL (biosafety level) 3 laboratory and explained the austere scheduled and ethics of working in such environment. He explained thoroughly the safety fundamentals and ventilations of his animal houses under experimentations.

The attendees took the opportunity to interact with these renowned personalities and comprehended their progress. Delegates cleared their doubts with the fruitful discussion like failures observed for HIV vaccine preparation, genetically engineered vaccine for prevention of oncogenic virus, targeting protein structure not mutated rapidly for vaccine preparation, affectivity check to schedule booster dose & its recommendation, the markers which can be selected for the diagnostic, therapeutic and preventive approaches and optimization of doses through tobacco and tomato consumption.

## Poster Presentation



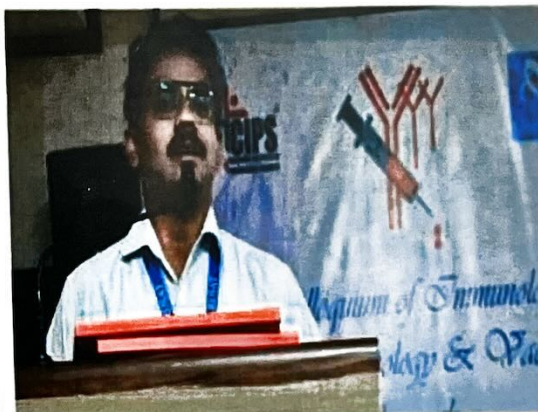
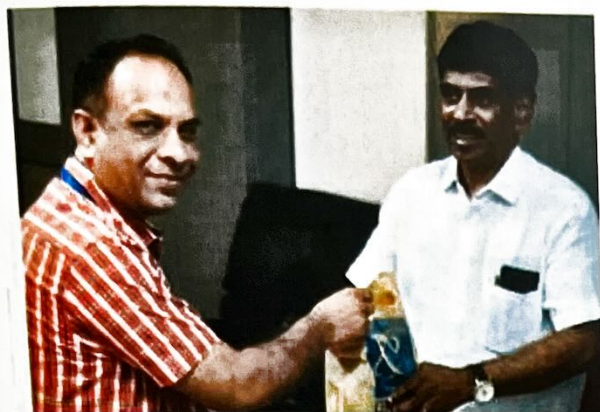
As per the schedule, an hour of the post lunch session was considered for poster presentation. A total of 25 posters were presented on the theme of the Colloquium, categorized under UG, PG and PhD level. The presenters exhibited at par excellence in interacting with the experts and received inputs by the evaluators. **Prof. Datta Madamwar, Advisor, Biological Sciences, CHARUSAT** and **Prof. R. B. Subramanian, Director, CIISST** evaluated the poster thoughtfully, understood the background of the problems and queried the fundamental basics to the presenters and provided their verdicts on the mentioned parameters.

## Winners



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## Valedictory Session & Vote of Thanks





In the valedictory session, total seven awards were distributed to the presenters as a token of excellence announced by **Mr. Debayan Baidya**. Followed by vote of thanks from **Prof. Hemant Kumar (Convener)** mentioning and acknowledging every possible inputs by every individual directly or indirectly involved in the successful completion of the event.



The feedback was taken at the end of the session. The participants had positive review regarding the talks and they appreciated the hospitality arranged in the colloquium by the team.

  
**Prof. Darshan Patel**  
Organizing Secretary

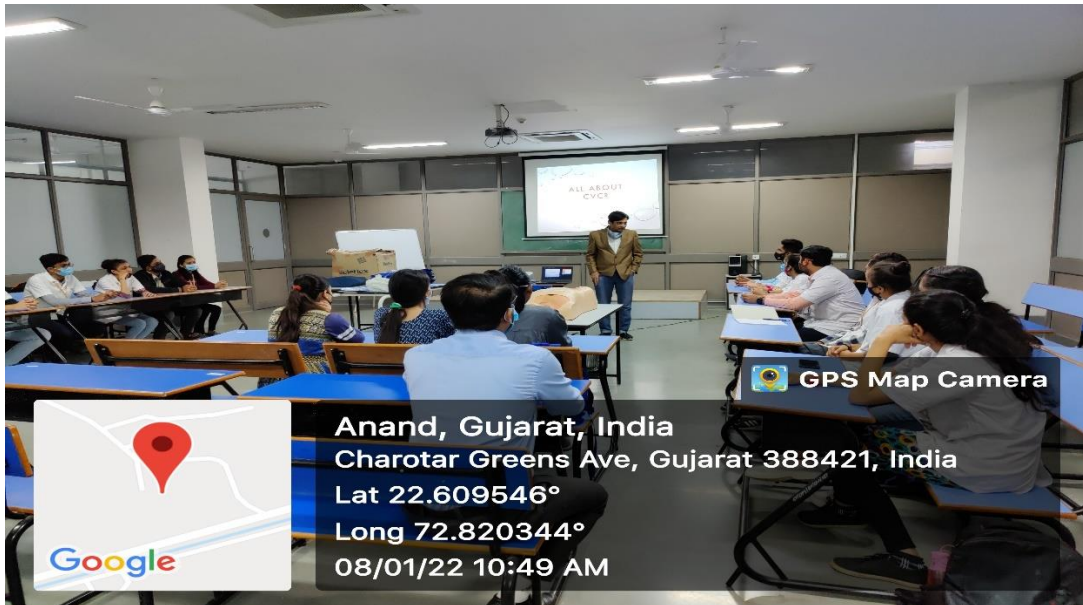
  
**Prof. Hemant Kumar**  
Convener

  
**Debayan Baidya**  
Treasurer

**Charotar University of Science and Technology**  
**Bapubhai Desai bhai Patel Institute of Paramedical Sciences (BDIPS)**

Department of Operation Theatre and Anesthesia Technology

**Workshop on “Central Venous Catherization”**



*Figure 1. Dr. Hetal Shah introducing himself and details about the workshop to the OTAT students*



*Figure 2. Dr. Hetal briefing the students of OTAT about the positioning of patient*





Figure 3. Information about journey of CVC till date



Figure 4. Information about the veins and arteries

# CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY

Bapubhai Desai bhai Patel Institute of Paramedical Sciences

One-day workshop

on

**Quality Assurance Test for Radiological Diagnostic X-ray Equipment**

**11<sup>th</sup> April 2022**

On 11<sup>th</sup> of April 2022, department of Medical Imaging Technology organized a workshop on “Quality Assurance Test for Radiological Diagnostic X-ray Equipment” in collaboration with GUJARAT RADIATION SERVICES (GRS) an AERB authorised & NABL accredited organization. The major objective of this workshop was to provide hands-on training for all B.Sc. and M.SC. students of Medical Imaging Technology on following topics:

1. Accuracy of operating potential
2. Linearity of (ma/mas) loading stations
3. Accuracy of irradiation time
4. Output consistency
5. Low contrast resolution
6. High contrast resolution
7. Central beam alignment
8. Effective focal spot measurement
9. Congruence of radiation & optical field
10. Total filtration
11. Tube and collimator testing
12. Slice thickness
13. Timer accuracy
14. Radiation protection survey
15. Ct dose index (CTDI)



## 16. Exposure rate at table top



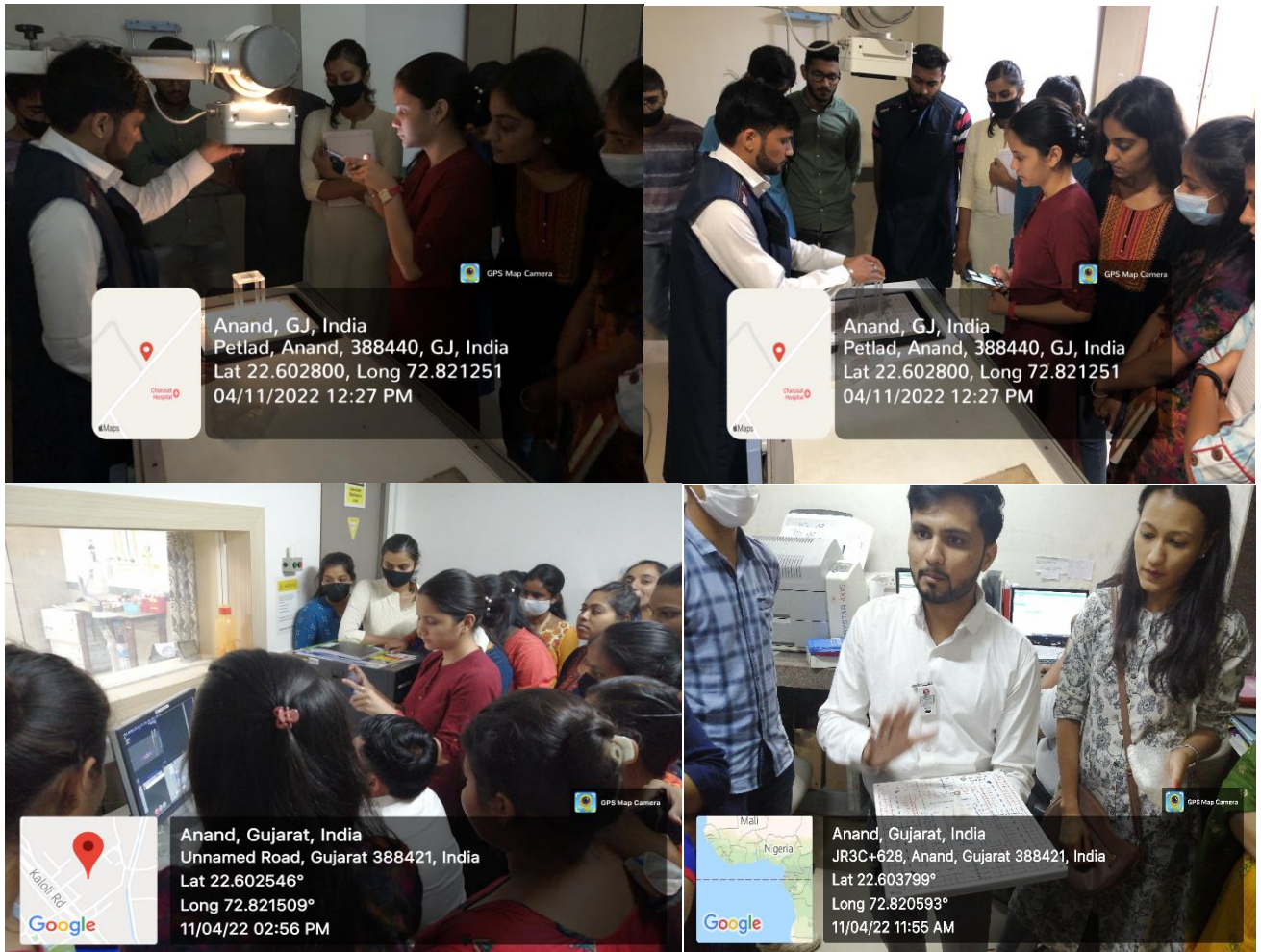
Banner of the event

Programme started at 9:30 am with welcome speech of Mrs. Dolly Sharma (HOD-MIT). Programme was divided into two sessions, first session was lecture session and second session was hands-on training session. Immediately after welcome speech Mr. Dipak Gor. (Marketing Director, GRS) introduced his organization and speakers. He gave an insight on services provided by GUJARAT RADIATION SERVICES and shared his experiences. After his lecture Ms. Yatha Mehta (Biomedical Engineer, RSO) delivered her lecture on various scopes in the field of Radiation Services and interacted with students and cleared doubts raised by students. First session (Lecture Session) ended at 11:30 am and 45 minutes' refreshment break was given before starting second session.



Speakers delivering lectures

Second session (hands-on training) started at 12:15 PM at department of Radio-diagnosis (CHRF). Mr. Utsav Midi (Biomedical Engineer, RSO) demonstrated various quality control assurance test of fixed and mobile X-ray unit. He also demonstrated quality control assurance test of CT machine (32 slice Simens). Total 47 students were divided into 3 different groups and every group participated enthusiastically in workshop. The second session of workshop ended at 5:00 PM. Mr. Anupam Niraula delivered vote of thanks. A quick revision test and feedback from students was obtained through google forms.



Students participating in workshop

**Charotar University of Science and Technology**  
**Bapubhai Desaibhai Patel Institute of Paramedical Sciences (BDIPS)**

Department of Operation Theatre and Anesthesia Technology

**Workshop on “Central Venous Catherization”**

Department of Operation Theatre and Anesthesia Technology(OTAT) organised a day Workshop on Central Venous Catherization on 08<sup>th</sup> January 2022. The Workshop was organised by the department of OTAT in collaboration with Dr. Hetal Shah from Narayana Hospital, Ahmedabad. Dr. Hetal Shah is associated with Narayana Hospital, working as a Senior Consultant Cardiac Anesthesia.

The main objectives of the workshop were –

- To impart the students and other participants with the knowledge about the application and use of central venous catherization – Information about the anatomy and physiology involved.
- To introduce the various types of catheters and insertion sites
- To aware students about the importance of CVC in clinical settings.
- To aware the participants about the future prospects of CVC.

The details of the programme were compiled in the Flyer. The registration process was open from date 1<sup>st</sup> January 2022 to 6<sup>th</sup> January 2022 and the details of the participants were collected using the Google forms. The total of 23 registrations were received and confirmation of registration was sent using the faculty personal email. Students from 3<sup>rd</sup> semester, 5<sup>th</sup> semester, 7<sup>th</sup> semester and alumnus participated in the workshop.

The programme was divided into 3 sessions. The topic for the workshop were-

- Session 1 – Introduction of CVC- (Anatomy and Physiology)
- Session 2 – Basic Tools and equipment used (Mannequin)
- Session 3 – Hands on training for all the participants

Officially the program started at 10:00 AM, 08<sup>th</sup> January 2022 at CIPS. Mr. Karan Morje (Assistant Professor – OTAT) welcomed the participants and introduced the spokespersons. Immediately after that Dr. Hetal Shah delivered a detail and very informative talk on the role of Operation theatre and Anesthesia Technologist in CVC and future of CVC in different hospital settings. After a break of 10 minutes, Dr. Hetal Shah started with introduction to

Event Report – Workshop on Central Venous Catherization  
Department of Operation Theatre and Anesthesia Technology, BDIPS

different catheters and equipment needed for CVC followed by an interaction session with the participants. Post lunch Dr. Hetal Shah started with hands on training for the participants on the mannequin. At the end of the session Mr. Karan Morje & Dr. Darshan Patel (Principal-BDIPS) gave the vote of thanks and concluded the session.

The feedback form was collected from the participants on the next day and certificates were sent to registered participants by faculty within 2 days after the completion of the Workshop.



Figure 1. Dr. Hetal Shah introducing himself and details about the workshop to the OTAT students

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*Figure 2. Dr. Hetal briefing the students of OTAT about the positioning of patient*