

Charotar University of Sciences and Technology  
Charotar Institute of Paramedical Sciences  
**Department of Operation Theater and Anesthesia Technology**

**Report on Anesthesia Technician Day Celebration 2019**

The department of **Operation theater and Anesthesia Technology**, Charotar Institute of Paramedical Sciences celebrated the **Anesthesia Technician Day 2019** on **1<sup>st</sup> April 2019** by the effective presence and participation of **Dr. Hemlata Kamat, Professor at Pramukh Swami Medical College, Karamsad**. The event was organized at **CMPICA auditorium**. All undergraduate students of CIPS participated in the event.

The event was started by a Prayer devoted to the Goddess Saraswati. Thereafter **Dr. Darshan Patel, Principal, CIPS** started the event by welcoming our chief guest Dr. Hemlata Kamat and addressing her with an enormous phrase of words. **Dr. Bala Ganpathy, Dean, Faculty of Medical Science** and **Dr. Anil Sharma, Principal of MTIN** cherished the event by their valuable presence.



*Inauguration ceremony in Anesthesia Technician Day*

**Dr. Hemalata Kamat** gave an eminent talk on “**Recent advances in Anesthesia**”. She briefly explained the recent anesthetic drugs in use in clinical care practice.

Our BOTAT students actively participated in **Poster Presentation, Skit** for CPR and making **Video** addressing role of healthcare personnel in emergency situation. Our chief guest showed active participation in student’s activity by guiding them the advanced leaning.

The program was concluded with gratitude by Dr. Artee Tyagi. At the end of each session, we took feedback from students which was very good, encouraged our students.

## **BLS workshop report**

Department of medical Imaging Technology, Charotar Institute of paramedical science (CIPS), organized two days Basic Life Support (BLS) workshop with Manikaka Topawala Institute of Nursing (MTIN) on 29<sup>th</sup> and 30<sup>th</sup> april 2019 for the students of CIPS. More than 100 students participated in this workshop and learnt Basic life Support techniques. The two days workshop was coordinated by Mrs. Dolly Sharma, Assistant professor, Dept. of medical Imaging Technology, CIPS and Mr. Anil Patidar, Assistant professor from MTIN, CHARUSAT.

Training during the workshop was given Mr. Anil Patidar and Mr. Divya jain who are trained faculties from the Manikaka Topawala Institute of Nursing (MTIN). On first day the workshop involved Introduction of basic life support & Anatomy and physiology of Heart and 1 rescuer Adult B.L.S training and on second day students were trained in 2 rescuer Adult B.L.S training, AED and bag mask devices with skill test. Students were benefited & learnt Basic Life support Techniques.

During the workshop participants were awarded with participation certificate. We appreciate the efforts of Staffs and participants in successfully completing this workshop.

## “Cuddles” World Optometry day celebration 2019

World optometry day is celebrated worldwide on the 23<sup>rd</sup> of the march. This year optometry department of charusat had celebrated world optometry day on the theme of “Pediatric eye care “hence the name was given “Cuddles”. We were joined by five optometry colleges across the Gujarat for celebration. The event included invited talks from renowned experts from the field and poster competition on pediatric eye care theme.



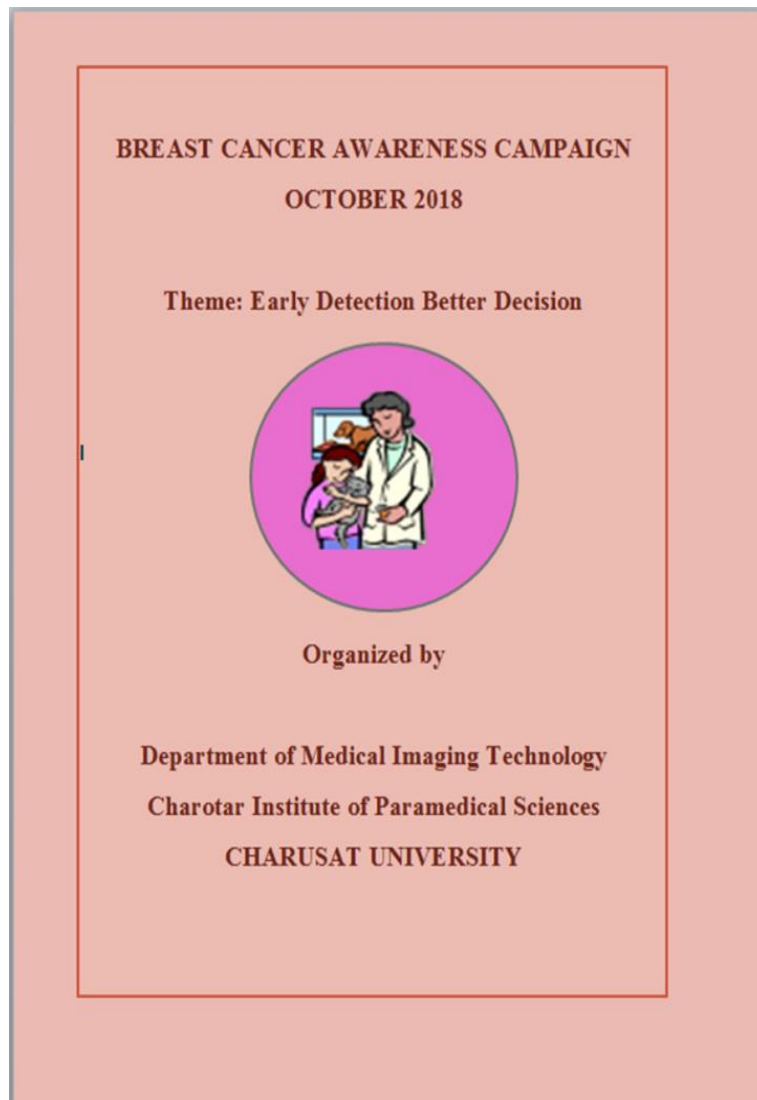
Opening remarks by Dr.B G Patel/Token of appreciation towards experts

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**A report on Breast cancer awareness campaign October 2018**

The department of Medical Imaging Technology, Charotar Institute of Paramedical Sciences conducted Breast cancer awareness campaign with a theme “Early detection better decision” among female students and staff members of nearby schools in changa, nadiad, anand, damol, mehelav, napad . Breast cancer is presently leading cause of cancer in females, it can be treated only if detected early and we are extremely glad that we took this noble initiative.



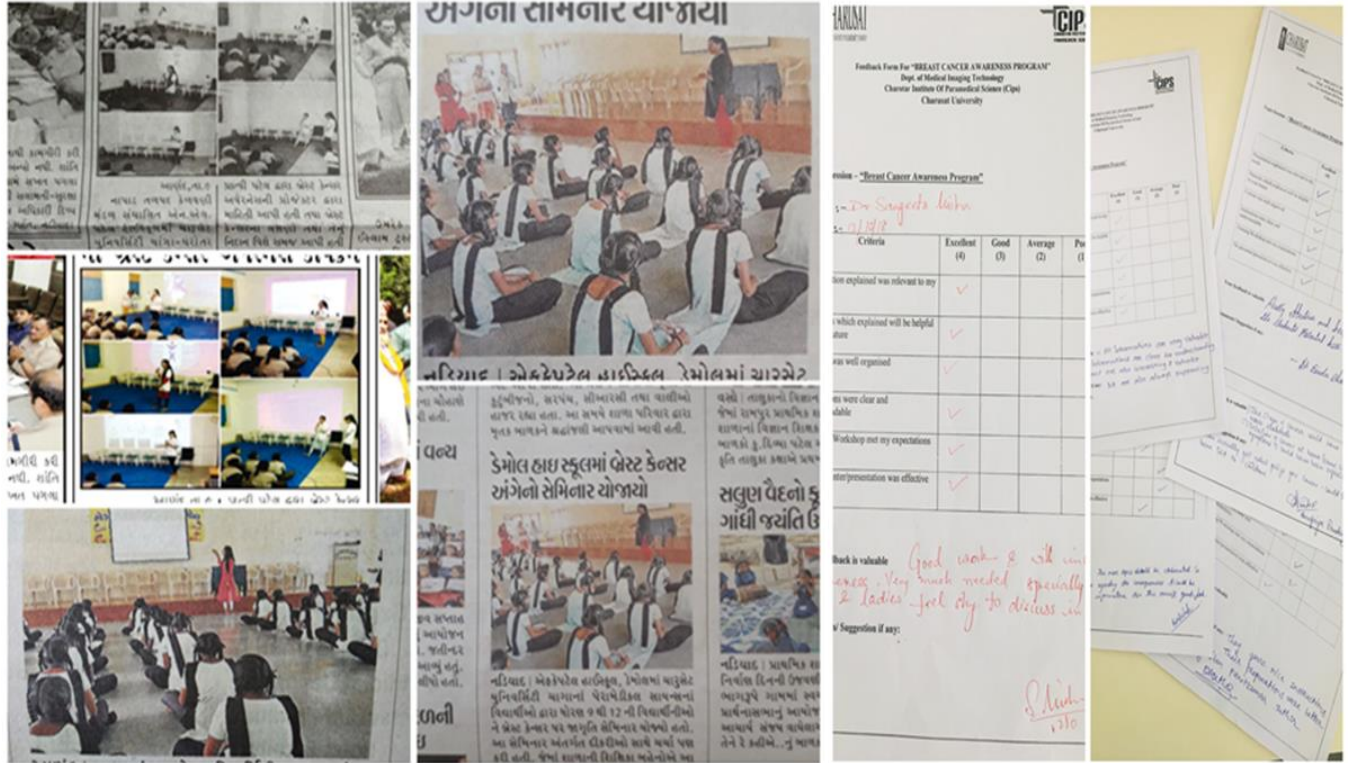


We approached around 10 schools and received permission from the management. Our students in groups from 5<sup>th</sup> semester BMIT course, staff members went to these schools and given presentations, demonstration on early detection of breast cancer on the days permitted to with timings 10.00am to 12.00pm. We aimed at the topics like Breast cancer and its types, improvement in life style, food habits, imaging modalities available for early screening of breasts.



*Photographs showing the awareness program by students in different schools in Anand*

At the end of each session, we took feedback from students which was very good, encouraged our students; however few schools management appreciated our efforts by publishing our sessions in newspapers.



News about the campaign printed in local news paper

Furthermore, we conducted series of lectures on 5<sup>th</sup> October by 10am to 12.00pm at MCA auditorium. The event started with welcome address by Dr. Darhan H Patel followed by a brief note on importance of breast cancer awareness by Mrs. Dolly Sharma, The talks were taken by Dr. Rajshri S Patil on early screening of breast cancer from Mahagujarat hospital Nadiad, Dr. Shreya Desai, Paramukhswami Medical College, karamsad and Dr. Sunny Mishra, Charusat Hospital and Research foundation. The program was concluded with gratitude by Mr. Manna Debanath.





Collage Photograph of the seminar about breast cancer.





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DEPARTMENT OF MEDICAL LABORATORY TECHNOLOGY

A REPORT ON HANDS ON TRAINING AND PROTEOMIC WORKSHOP  
IN SUPPORT WITH BIORAD LABORATORIES  
8<sup>th</sup> – 11<sup>th</sup> AUGUST, 2018

Department of Medical Laboratory Technology from Charotar Institute of Paramedical Sciences (CIPS), a constituent of CHARUSAT has organized a four days hands on training on proteomics in support with BioRad Laboratories from 8<sup>th</sup> August- 11<sup>th</sup> August 2018. A total of twenty-nine (29) MSc. Medical Technology students participated and were benefitted with the training. The training program was specifically funded by BioRad.

The training started on 8<sup>th</sup> August, on the first day the students were introduced to the whole technique, bioinformatics software and the advantages/applications of proteomics. The BioRad person introduced one dimensional gel electrophoresis, 2 dimensional gel electrophoresis, Uniport, Swissport, etc. to students. The hands on training helped the students to perform the experimentation which is a part of their curriculum.


**Day 1:** The students were introduced to the 2 dimensional gel electrophoresis, MALDI, Instrument of 2 DE, 1 DE, online portals for identifying the proteins.

**Day 2:** Experimentation for 2 dimensional gel electrophoresis started and the students were made understand the whole procedure and all reagents and materials involved in the experimentation. The principle of all materials and reagents were explained in detail. The IPG strips were kept for rehydration and overnight incubation with sample.


**Day 3:** Amongst the two IPG strips one was stained and checked whether the strip has absorbed the sample or not and other strips were kept for iso electric focusing. Once the focusing was over it was washed with various reagents and stored at 4°C for further process.

Day 4: Second dimension of the strip was carried out on SDS PAGE and the protein from mixed protein sample was isolated. The personnel further explained that how to isolate the protein spot and by which method it is to be identified.

The four day hands on training was successfully accomplished with the help of Dr. Dhara N. Patel (Head and Assistant Professor, MT Dept.), Dr. Dhara Jajal (Assistant Professor, MT Dept.) & Mrs. Amita Patel (Teaching Assistant, MT Dept.) under the flagship of Dr. Darshan H. Patel (Principal, CIPS). Also, the effective commencement of the workshop would not have been possible without the BioRad personnels, Dr. Deepak Kumar (FAS, BioRad India) and Mr. Rahul Gandhi (Senior Account Manager, BioRad India). The budget for the same is attached herewith, which was used for light refreshment of the students and faculties involved.



Dr. Dhara N. Patel  
Head, MT Dept., CIPS



Dr. Darshan H. Patel  
Principal, CIPS



## Report on One Day Seminar

Organized on

### **"Mind Programming and Personality development in better placement"**

25<sup>th</sup> September, 2018

A one day seminar on "Mind Programming and Personality development in better placement" was organized for students of B.Sc. Medical Technology (Sem I), M.Sc. Medical Technology (Sem I, Sem IV), B.Sc. Operation Theatre and Anaesthesia Technology (Sem I, Sem, III and Sem V), B.Sc. Medical Radiology and Imaging Technology (Sem I, Sem III and Sem V) and Bachelor of Optometry (Sem II and IV) of Charotar Institute of Paramedical Science on 25<sup>th</sup> September, 2018. The guest speaker Ms. Dulari Bhatt, Assistant professor, Gandhinagar Institute of Technology, Kalol was invited to conduct the seminar.



**More than 200 students of CIPS attended the seminar and were benefitted through the interaction.**

The chief purpose of the seminar was to motivate the students towards building their career and to make them aware about mind programming in achieving their goals of life. It is found that each and every student needs motivation and constant boosting for achieving their goal, and it is very important that the counselling and motivation should be done timely. Keeping the context in mind, the seminar was an initiative to enlighten our students for molding their career towards right direction. Along with this Ms. Dulari also taught our students how to use our best weapon i.e. "BRAIN and MIND" to concentrate and to elevate our thinking process, so in turn the mind power can be used to perform at its best which would be beneficial for achieving better goals in curriculum as well as future placements.





The seminar was interactive and the students participated very actively. Ms. Dulari also included an elaborative discussion on human behavior, which included that how and why a person ignores the task, also conducted personal and group activities, mind power techniques, showed the students motivational video clips, and at last but not the least elaborated about personality traits about their appearance and performance during interview. The seminar was conducted in two sessions where students showed vigorous participation in the activities as well as in the conversation.



The feedbacks were taken from the students with an intention to remove their stage barrier where they positively opened up leaving their stage fear.



Dr. Dhara N. Jajal  
Assistant Professor, CIPS  
Event Coordinator

Dr. Darshan H. Patel  
Principal, CIPS





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A REPORT ON GUEST LECTURE SERIES FROM PHARMA INDUSTRY  
28<sup>th</sup> NOVEMBER, 2018

Department of Medical Laboratory Technology from Charotar Institute of Paramedical Sciences (CIPS), a constituent of CHARUSAT has organized a series of guest lecture. The visiting faculties are well known and reputed individuals from pharma background. The lectures were planned with motifs of 1.) Exposing the students to the recent advancements in the pharma industries, 2.) Role of medical technology students in the pharma industries 3.) Introducing our students to the pharma individuals for commencing their dissertation training or summer training and 4.) As a part of their curriculum. The details of the invited guests are as below:

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Industry</b>	<b>Topic of the Lecture &amp; Date</b>	<b>Targeted Audience</b>
1.	Dr. Velmurugan Ramasamy	Senior scientist	Century Pharmaceuticals ltd. Vadodara	<b>Biopharmaceuticals and Drug Discovery</b> 28 <sup>th</sup> November 2018, Friday	<b>B.Sc. Medical Technology (1<sup>st</sup> Sem) and M.Sc. Medical Technology (1<sup>st</sup> &amp; 3<sup>rd</sup> Sem)</b>

Lecture presented by Dr Velmurugan Ramaswamy was on Biopharmaceuticals and Drug Discovery. He exclusively talked about the production and post production components of a drug. He explained the students about the technical issues and trouble shooting in discovery of the drug. Also he guided students with the clinical trials and how a drug is discovered. He also explained the emerging role of biopharma and what duration it takes for a drug to get established in the market.

Guest spend whole day with our students and poured the every inch of knowledge they were having in their field. The sessions were interactive and the forum was open for question and answers during the session and after the session. The students query was solved and their young mind were ignited. They were provided with the perspective on how to work in the pharma companies and what is the importance of good laboratory practice, standard operating procedures, quality control, quality assurance, etc.

The sessions were fruitful for students as they got an idea for a different perspective for their career. The program was successfully conducted under the flagship and guidance of Dr. Darshan H. Patel. All the necessary provision was made by Dr. Dhara N. Patel.





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1.	Mr. Arun Singh	Deputy General Manager	Zydus Research Centre Cadila Healthcare Ltd. Ahmedabad	<b>Recombinant Proteins in Biopharmaceutical</b> 30 <sup>th</sup> November 2018, Thursday	<b>B.Sc. Medical Technology (1<sup>st</sup> Sem) and M.Sc. Medical Technology (1<sup>st</sup> &amp; 3<sup>rd</sup> Sem)</b>



Lecture presented by Mr. Arun Singh was specifically about Recombinant Proteins in Biopharmaceutical. Mr. Arun Singh guided the students through the journey of drug still in experiment and then its emergence as effective drug in the market. The whole process of drug development and various experiments to prove it the effective drug was shared by him.

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