



ROFEL SHRI G.M. BILAKHIA COLLEGE OF PHARMACY

APPROVED BY PHARMACY COUNCIL OF INDIA (PCI) AND AFFILIATED TO GUJARAT TECHNOLOGICAL UNIVERSITY, AHMEDABAD

Managed by Rotary Foundation for Education and Learning (ROFEL) Trust

Estd. In 1999

ROFEL NAMDHA CAMPUS, Vapi-Namdha Road, P.B. No. 11, Vapi (West) - 396191, Dist.- Valsad (Gujarat)
Tel: 9727723722 | 42 | 62; Email: rofelpharm@gmail.com; website: www.rofelpharmacy.ac.in

GUJCOST and DST Sponsored Two days National Level E-Seminar -2022

Event:Preclinical and Clinical research in PCOS: Advances and Challenges to make PCOS free India.

Date & Venue:24 and 25thJune, 2022, Online mode, Google meet

Summary Report:

ROFEL Shri G.M. Bilakhia College of Pharmacy has organized GUJCOST and DST Sponsored Two days national level E-Seminar on title “Preclinical and Clinical research in PCOS: Advances and Challenges to make PCOS free India. PCOS is currently a silent metabolic disorder and is considered the major obstacle to women's empowerment in India. The webinar's impact on an academic level will help students may learn opportunities and possible scope of improvisation of knowledge and provide direction towards the possibilities of research in PCOS. The event may provide healthier opportunities and a horizon for research in the cosmetic and herbal drug market. The social level impact of the webinar is to raise scientific awareness in participants belonging to the science field about PCOS and assist girls and women with the disorder in overcoming their symptoms and lowering their chance of developing further complications. From this event, healthcare-based research and startups will gain knowledge and information can proceed further in the appropriate direction. The commercial level impact of this event on aspirants will get complete guidance required for Preclinical and clinical research, information regarding available cosmetic interventions, and scientific assistance for improvising the quality of life. We are committed to providing education, awareness and designing a roadmap initiative to make PCOS-free India.

The E-Seminar was organized to enable and empower students. Therefore online painting, video making, and Essay competition were also included in the E-Seminar. There were 433 registrations for the event. Participants were from the different states and colleges have registered enthusiastically for the E-Seminar. There were more than 51 faculty members from the different pharmaceutical institutes were registered for the E-Seminar.

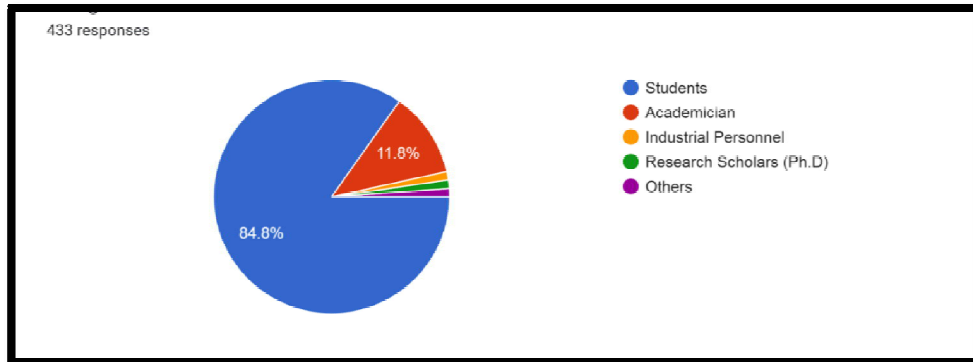
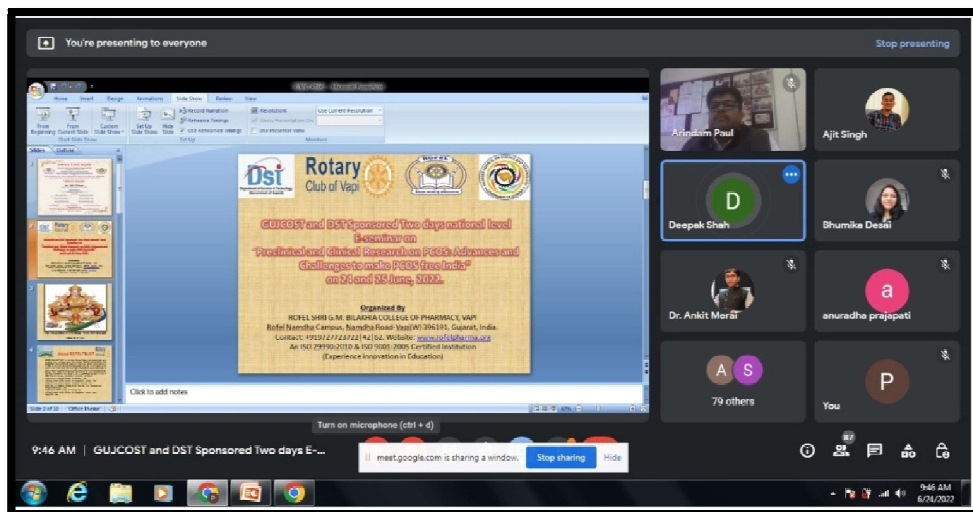


Figure 1: Registration Detail

Inauguration program commenced at 09:30 am on 24th June, 2022. The inauguration ceremony commenced with Saraswati Vandana. The virtual welcome was given to all dignitaries and guests on a virtual platform for the inaugural ceremony. Welcome speech addressed by Dr. Arindam Paul, who is the Principal and Convener of the event. Dr Arindam Paul brief about the vision and mission of College as well as highlighted ongoing scientific activities organized at institute level.



Welcome Speech addressed by Prof (Dr). Arindam Paul

Dr. Chirag Desai briefed on the purpose of the seminar and expressed his immense pleasure for the presence of delegates from academia, and industries. Dr. Chirag have outlined about the scientific session as well as scientific competition detail.

Rtn Dipak Shah, Trustee of ROFEL trust gave best wishes for the success of the seminar. Rtn Dipak Shah addressed the audience on a vision of ROFEL Trust and the journey of ROFEL Trust and on the purpose it was incepted. During the Inauguration Program



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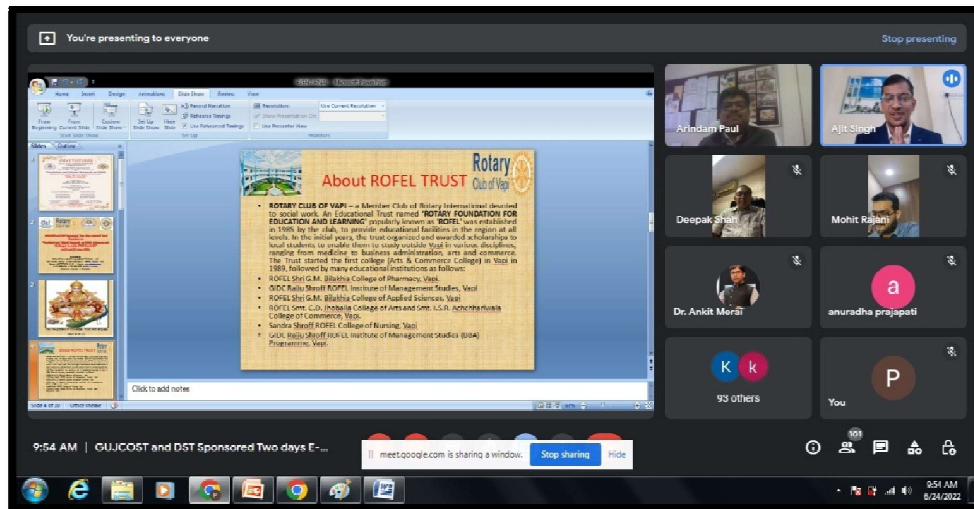
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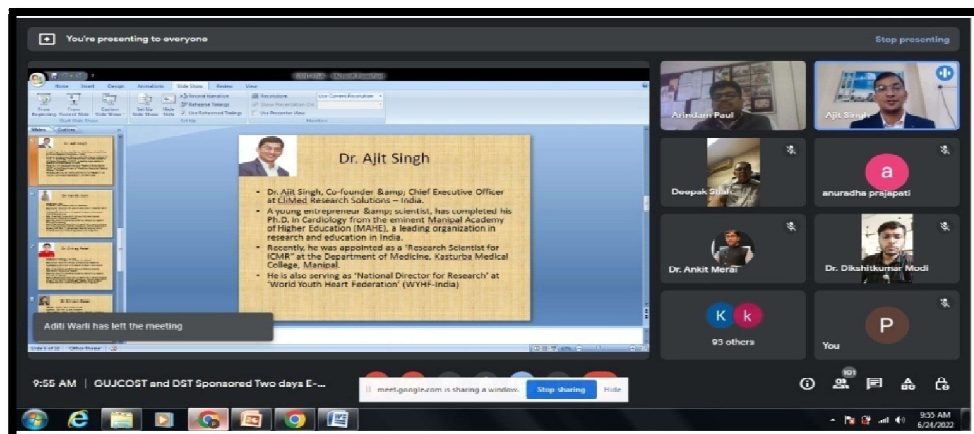
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President of Rotary Club of Vapi Dr. Mohit Rajani was also virtually present to grace the occasion.



Inauguration ceremony and Best wishes from Trustee of ROFEL Trust

Dr. Ajit Singh CEO and Co-Founder of Climed Research Solutions, Mumbai, and ICMR Research Associate-III was the Chief Guest for the E-Seminar. Dr. Singh encourages participants to engage in research and participation in scientific webinar and seminar to gain more knowledge for their bright future.



Dr. Ajit Singh Chief Guest of Inauguration program.

The Vote of thanks for the inaugural session was expressed by Assistant Professor Mr. G. Santhanakumar in the GUJCOST and DST sponsored Two days national E-Seminar. The technical session started at 10:00am onwards on day 1 (09/04/2021).



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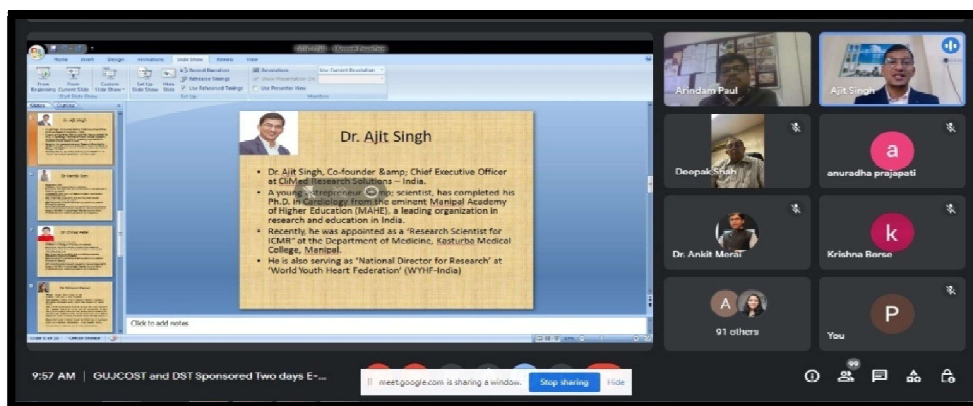
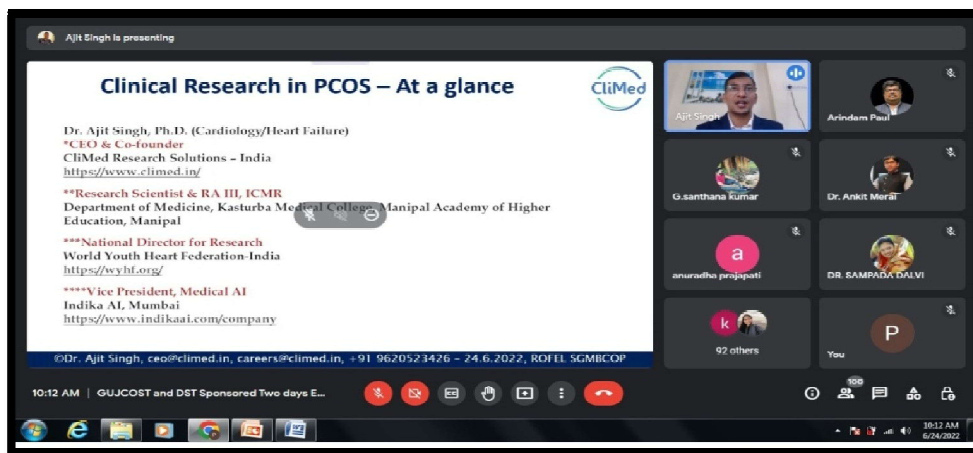
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Session 1: Dr. Ajit Singh (CEO and Co-Founder Climed Research Solution, ICMR Research Associate-III, Manipal)

Technical session started with talk of Dr. Ajit Singh on topic entitled Clinical research in PCOS at glance. Dr. Singh mentioned that research suggests that 5% to 10% of females 18 to 44 years of age are affected by PCOS, making it the most common endocrine abnormality among women of reproductive age in the U.S. Dr. Singh emphasized that women with PCOS have higher rates of endometrial cancer, cardiovascular disease, dyslipidemia, and type-2 diabetes mellitus. Dr. Singh had summarized completed and ongoing clinical trials in PCOS within india as well as across the countries for better understanding about research spectrum. Dr. Singh had also shared possible scope of research in clinical research on PCOS in future. The session one was completed with question and answer from participants.



Dr. Ajit Singh Delivered Session-I by Timing: 10:00 am -11:00pm Day 1(24/06/2022)



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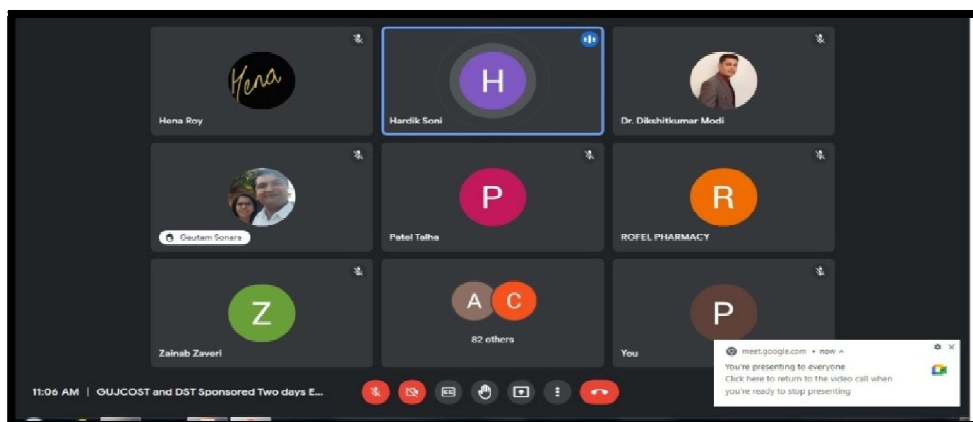
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Session 2: Dr. HardikSoni (AGM, Vasu Research Center, Vadodara)

Dr Hardik Soni delivered his talk on “Herbal drug research in PCOS”. Dr. Soni explained the brief process about innovation. Dr Soni explained Cimicifuga racemosa, Cinnamomum cassia, Curcuma longa, Glycyrrhiza spp., Matricaria chamomilla, Mentha piperita, Paeonia lactiflora, Silybum marianum, Tribulus terrestris and Vitex agnus-castus demonstrated mechanism of reproductive endocrinological effect for the whole herbal extract in PCOS. Dr Soni also explained that herbal medicine may present a treatment option for women with oligo/amenorrhoea, hyperandrogenism and PCOS as an adjunct or alternative treatment to pharmaceuticals with a high degree of acceptability by women with PCOS. Dr Soni also shared importance of safety and efficacy of herbal formulations in PCOS are not sufficient and further studies are required to establish a therapeutic intervention.



Session by Dr Hardik Soni Timing: 11:00 am -12:00 pm Day 1(24/06/2022)



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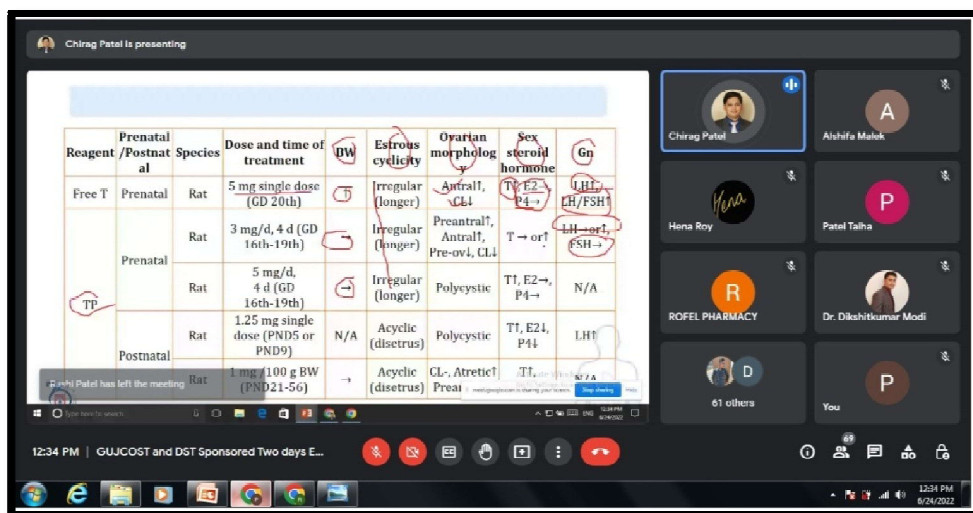
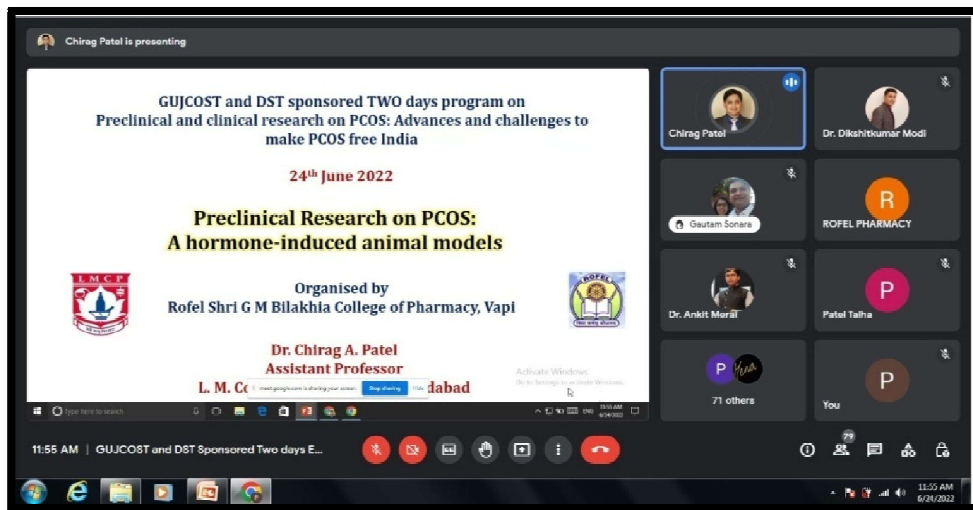
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Session 3: Dr. Chirag Patel (Assistant Professor, LMCP, Ahmedabad)

Dr. Patel shared his expertise of preclinical research in PCOS. Dr Patel explained that pathogenesis and treatment of PCOS are still unclear. He summarized various animal PCOS models that uses indirect hormonal interventions and suggested or discussed pathogenesis of PCOS-like features in animals. Dr. Patel explained that hormonal and metabolic changes could be due to molecular dysregulations, such as upregulated PI3K-Akt and extracellular signal-regulated kinase (ERK) signalling, that potentially cause PCOS-like phenotypes in the animal models. Dr. Patel explained HPG axis correlation in establishing PCOS models.

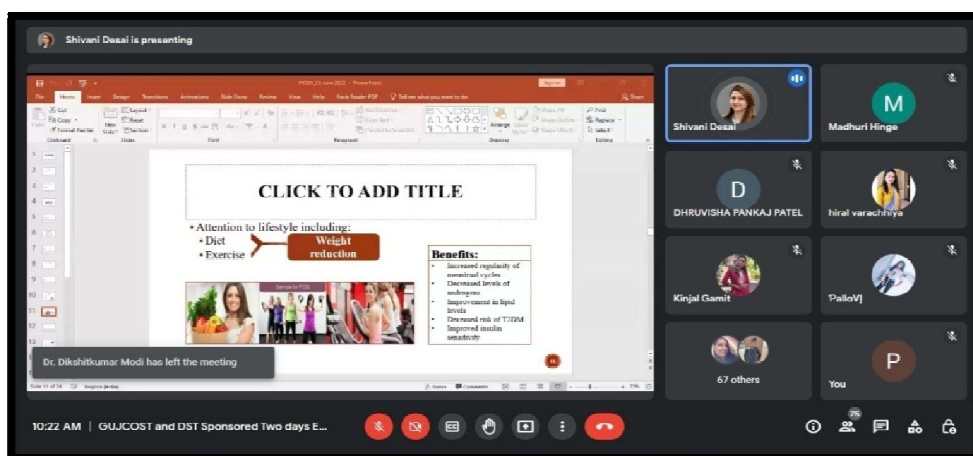
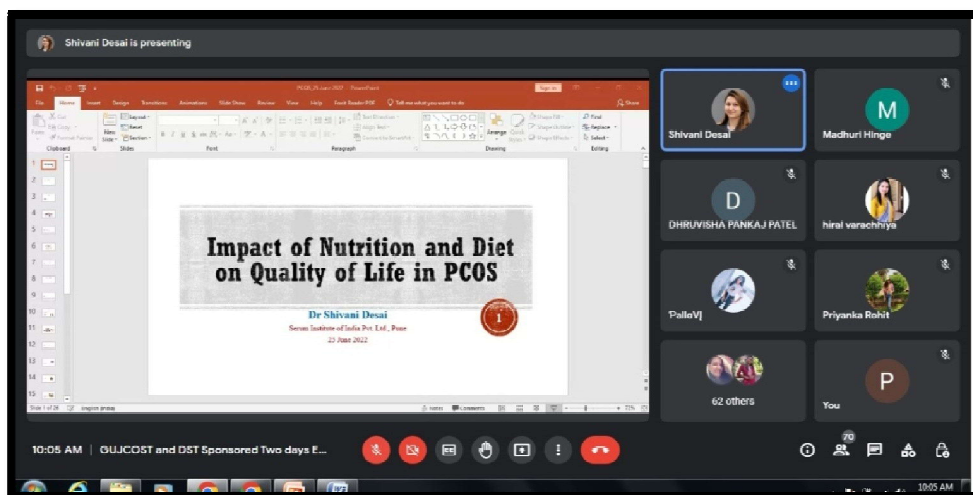


Session by Dr. Chirag Patel Timing: 12:00pm - 01:00pm Day 1 (24/06/2022)



Session 4: Dr. Shivani Desai (Manager, Serum Institute of India, Pune)

Dr. Shivani delivered seminar on PCOS and Diabetes mellitus. She explained regular physical activity, maintaining appropriate body weight, following healthy dietary patterns and avoiding tobacco use is vital in prevention and treatment of metabolic disorders, and is included in clinical guidelines for various conditions. Dr Shivani Suggested that reduction in the caloric content of the diet. She shared ketogenic diet (KD) improves the menstrual cycle, reducing blood glucose and body weight, improving liver function, and treating fatty liver in women with PCOS and liver dysfunction who were obese. Physical training potentiates the effects caused by insulin sensitivity through the optimization of glucose transport and metabolism.



Session by Dr. Shivani Desai Timing: 10:00am - 11:00am Day 2(25/06/2022)



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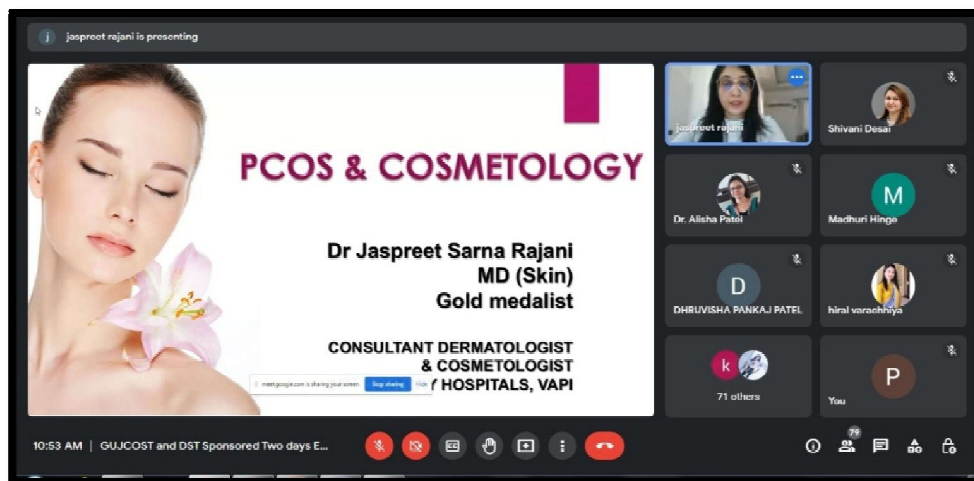
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Session 5: Dr. Jaspreet Rajani(Cosmetologist, 21st Century Hospital, Vapi)

Dr. Jaspreet shared some vital symptomatic complications and issues associated with PCOS. She shared some case studies associated with PCOS required integrated treatment approach. Clinical problems like Acne, Hirsutism and many other skin based problems were explained with case studies and also explained how they can be managed with integrated treatment by expert cosmetologist. She shared that each patients of PCOS exhibited different symptoms and its intensity at different stages. She explained some of the management options and emphasized on PRP therapy. At the end she answered the various questions of the delegates.



Session by Dr. Jaspreet Rajani Timing: 11:00am-12:00pm Day 2(25/06/2022)



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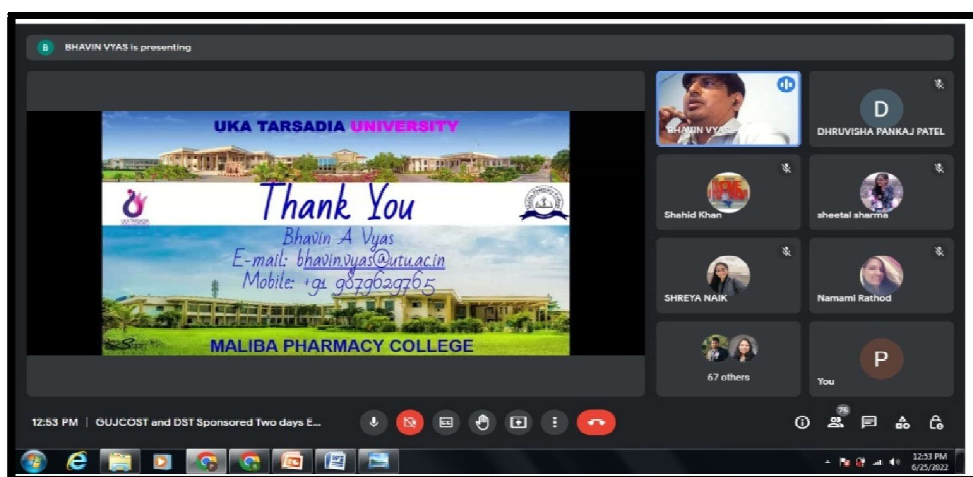
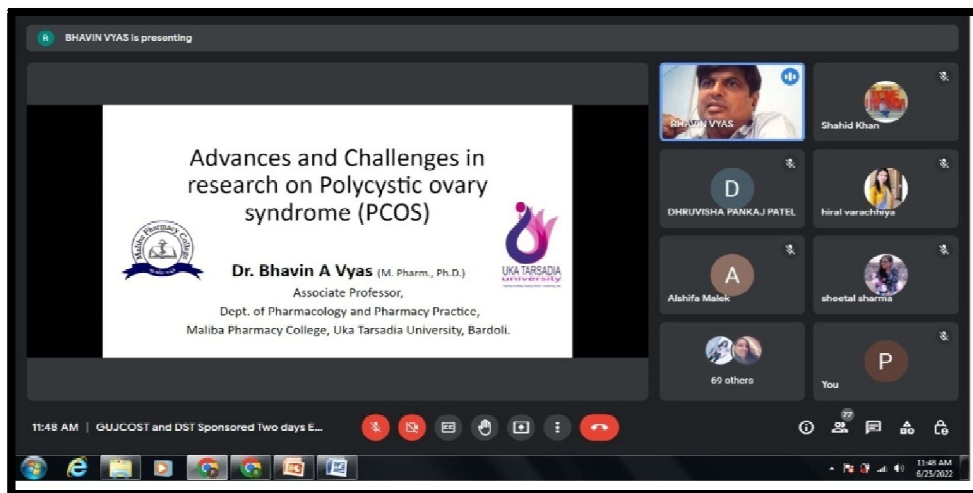
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Session 6: Dr. Bhavin Vyas (Associate Professor, Maliba Pharmacy College, Bardoli)

Dr. Vyas shared his valuable knowledge on the advances and challenges in PCOS research. He explained that PCOS clinical features are heterogeneous, with manifestations arising even in early adolescence, developing into multisystem reproductive, metabolic and psychological manifestations in adulthood. He also shared latest ongoing research trials and preclinical studies on PCOS. Role of proteomic and bioinformatics in genetic level studies of PCOS was also discussed. Repurposing of medicines in PCOS research and their updated results from journals are also summarized and extracted. He covered the topics from Preclinical, Clinical challenges and advances in PCOS research and tried to justify to the title of his talk.



Session by Dr. Bhavin Vyas

Timing: 12:00pm - 01:00pm Day 2(25/06/2022)

Valedictory session: After completion of day-2 technical sessions on 25/06/2022 of E-seminar, the valedictory session was held at 02:00pm onwards. The results of online competitions were declared. More than 95 delegates' participated in for online essay and painting competition. 40 entries in painting and 45 entries in essay competition were received on the theme "Menstrual Hygiene". The entries were judge by Dr. Paul Rosario (Ph.D, EMBA, Academician, Social Worker, Mumbai).



Figure 10: Declaration of results of painting and essay competition

The results of winners were as below.

Table 1: Results of essay competition

Rank	Participants Name	Organization/Institute
1	Patel Nisha	Krishna School of Pharmacy and Research, Vadodara
2	Manashree Jayesh Jariwala	CK Pithawala institute of Pharmacy, Surat
3	Harshita Kumar	ROFEL Shri GM Bilakhia College of Pharmacy, Vapi

Table 2: Results of painting competition

Rank	Participants Name	Organization/Institute
1	Namrata Sarkar	KB Institute of Pharmaceutical education and Research
2	Patel Megha	Indubhai Patel College of Pharmacy and Research Centre
3	Patel Tanvi	ROFEL Shri GM Bilakhia College of Pharmacy, Vapi

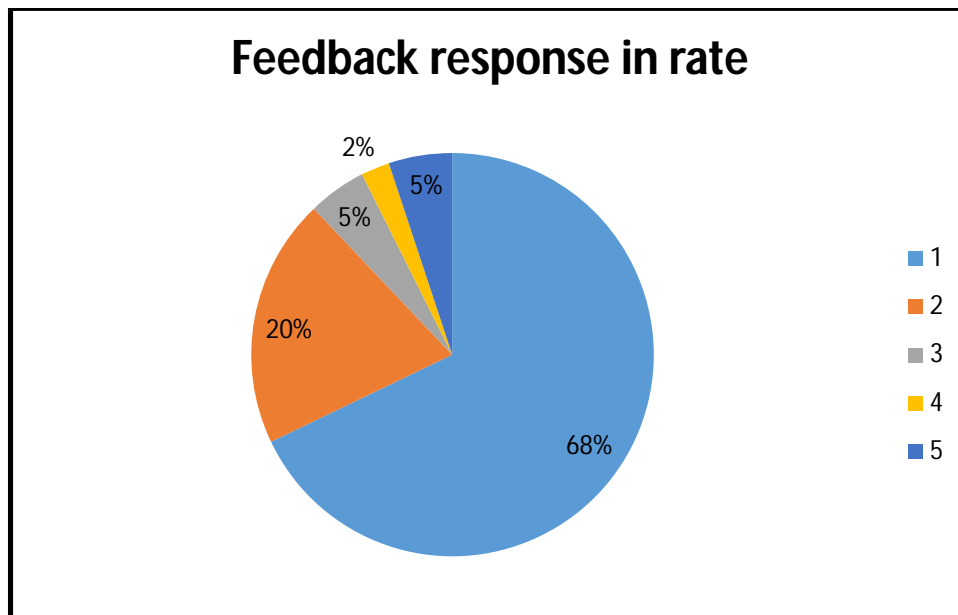
Dr. Chirag Desai coordinator of the event expressed his sincere thanks to the GUJCOST and DST for providing financial assistance for organizing E-Seminar. E-Certificates were issued to the participants after successful completion of E-Seminar. Memento and Certificate were



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issued to all the winners of the competitions and resource persons. Feedback was received from delegates of seminar, the results of which are based on rating of 1 to 5. Almost 68% rated 5/5 for the organizing the webinar and its content. Participants appreciated the selection of topics of E-Seminar, selection of Resource person. They also thanks the organizing team for organizing the seminar.



Feedback response chart for E-Seminar