



दीन दयाल उपाध्याय महाविद्यालय
DEEN DAYAL UPADHYAYA COLLEGE
दिल्ली विश्वविद्यालय
(UNIVERSITY OF DELHI)

100 % FUNDED BY GOVT. of NCT of DELHI
RANKED 13th IN ALL INDIA NIRF 2021

Annual Report
2020-2021

AWARDS TO THE INSTITUTION

- ❖ Deen Dayal Upadhyaya College, a constituent college of University of Delhi for the year 2020 2021 scored Rank 10 in Science Category and Rank 16 in Commerce Category in India Today MDRA 2021 survey for Best Colleges of the Country conducted by India Today MDRA.
- ❖ The college secured Rank 13th in College Category in India Rankings 2021 conducted by National Institutional Ranking Framework (NIRF), Ministry of Human Resource Development, Government of India.
- ❖ Department of Biotechnology (DBT), Government of India under its DBT Star College Scheme 2021 granted Star Status to the college for the five participating Science Departments (Botany, Chemistry, Mathematics, Electronics and Zoology).
- ❖ The college was a nodal center for IIRS/ ISRO Outreach Programme. The college was one of the Network Institutes for conducting Live and interactive courses of Indian Institute of Remote Sensing (IIRS), Dehradun. This year college conducted 22 such courses under the umbrella of IIRS.
- ❖ The college secured "Three Star Status", under the Institution's Innovation Council (IIC), MoE's Innovation Cell, Government of India (MoE IIC – DDUC Chapter)

DBT STAR COLLEGE PROGRAM

and MoE-Institution Innovation Council (IIC) - DDUC Chapter

Activities Organized during April 2020 – March 2021

July 20, 2020 – July 25, 2020: Online Summer School on Advances in Signal Processing and Machine Learning Jointly with Department of Electronic Science, University of Delhi, National Academy of Sciences India (NASI) – Delhi Chapter Supported By IEEE Electron Device Society (EDS), Delhi Chapter.

Convener: Dr. Manoj Saxena, Co-Convener: Dr. Poonam Kasturi and Secretary: Ms. Shweta Wadhwa. Following were the talks given by the invited speakers –

- ❖ July 20, 2020: "**Sparse Models and Compressive Sensing**" by **Prof. Surendra Prasad**, FASc, FNA, FNAE, FNASc, Emeritus Professor, Department of Electrical Engineering, IIT Delhi;
- ❖ July 20, 2020: "**Human Inspired Machine learning and AI**" by **Prof. Tapan K. Gandhi**, SMIEEE, FIETE, Associate Professor, Deptt. of Electrical Engineering, IIT Delhi;
- ❖ July 20, 2020: "**Machine Learning : A Technology for All**" by **Professor Subhasis Chaudhuri**, FNA, FASc, FNASc, FIEEE, FNAE, Director, IIT Bombay, Mumbai;
- ❖ July 21, 2020: "**Intelligent Analysis of Brain Images**" by **Dr. Sushmita Mitra**, FIEEE,

FNA, FIAPR, FNAE, FNASc, INAE Chair Professor, Fulbright Senior Researcher at Machine Intelligence Unit, Indian Statistical Institute, Kolkata;

- ❖ July 21, 2020: **"Feature Engineering in Machine Learning and Computer Vision"** talk delivered by **Ms Perna Agarwal** - Collaborative AI, IBM Research India;
- ❖ July 22, 2020: **"AI/ML in Hiring"** talk delivered by **Dr. Sudhanshu Shekhar Singh**, Agent Design Co Lead - Collaborative AI, IBM Research India;
- ❖ July 22, 2020: **"Optimization and ML"** talk delivered by **Dr. Sudhanshu Shekhar Singh**, Agent Design Co Lead - Collaborative AI, IBM Research India;
- ❖ July 23, 2020: **"Unsupervised Learning: k-Means, Gaussian Mixtures and EM"** talk by **Professor Sumantra Dutta Roy**, Department of Electrical Engineering, IIT Delhi;



- ❖ July 23, 2020: **"When to trust a self-driving car..."** talk delivered by **Professor Marta Kwiatkowska**, FRS, Associate Head of MPLS Division, Fellow of Trinity College Department of Computer Science University of Oxford;

❖ July 24, 2020: **"Looking beyond backpropagation in neural networks"** talk delivered by **Professor Angshul Majumdar**, Associate Professor, IIIT Delhi;

- ❖ July 24, 2020: **"A Reinforcement Learning Framework for Mobile Relay Beamforming"** by **Professor Athina Petropulu**, President-Elect, IEEE Signal Processing Society (2020-2021), Distinguished Professor, Department of Electrical & Computer Engineering, Rutgers, The State University of New Jersey;



- ❖ July 25, 2020: **"Technology Changes – Accelerating Digital transformation, Use cases & Its Impact across Industries"** talk delivered by **Mr. Ajay Goel**, Vice-President-Engineering, ALTRAN, Gurugram;

- ❖ July 25, 2020: **"Object recognition models and optimization of DL algorithms for mobile devices and Q and A for transitioning into ML/AI"** talk delivered by **Mr. Rajshekhar Mukherjee**, Senior Data Scientist, SOTI Inc., Toronto, Canada.
- ❖ July 26, 2020: **"Empathetic Conversational Artificial Intelligence (AI)"**, by **Professor Pascale Fung**, FIEEE FISCA, Director, Centre for Artificial Intelligence Research (CAiRE) & Professor, Department of Electronic & Computer Engineering and Department of Computer Science & Engineering, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong,

84 Faculty members and 270 students and research scholars from 150 Institutions spread all across the globe including UAE, Spain and London attended the summer school.

During June 2020 - February 2021 : The National Academy of Sciences India (NASI)-Delhi Chapter and MoE-Institution Innovation Council, Deen Dayal Upadhyaya College, University of Delhi jointly organized **Webinars by Distinguished International and National Experts**

In all 9000+ students, faculty members and researchers from Argentina, Bangladesh, Brazil, Cambodia, Chile, Czechia, France, Germany Ghana, Hong Kong SAR, India, Ireland, Israel, Japan, Malaysia, Mexico, Nepal, Netherlands, Nigeria, Oman, Republic of Korea, Saudi Arabia, Singapore, South Africa, Sweden, Switzerland, Thailand, Turkey, United Kingdom, United States of America attended the online webinars and/or have been shared the youtube link of the recordings of the webinars.

June 02, 2020 – Special Public Webinar on **"Finding needles in a haystack: Liquid biopsy for nucleic acid and protein molecular biomarkers for disease diagnosis"** by **Prof. Brian T. Cunningham**, Donald Biggar Willett Professor in Engineering, Department of Electrical and Computer Engineering, University of Illinois at Urbana-Champaign.

Total Number of Attendees 136; Youtube Link of the Webinar:

<https://www.youtube.com/watch?v=yv20F3DvW0&t=3174s>

June 08, 2020 – Special Public Webinar on **"Endofullerenes: Nano-scale test tubes for single molecules and atoms"** by **Professor Malcolm Levitt**, School of Chemistry at the University of Southampton.

Total Number of Attendees 163;

Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=W2OvPtF9yBA&t=3663s>



June 25, 2020 - Special Public Webinar on “**Printed and Flexible Electronics and Devices**” by **Dr. Jin-Woo Han**, Research Scientist, Center for Nanotechnology, NASA Ames



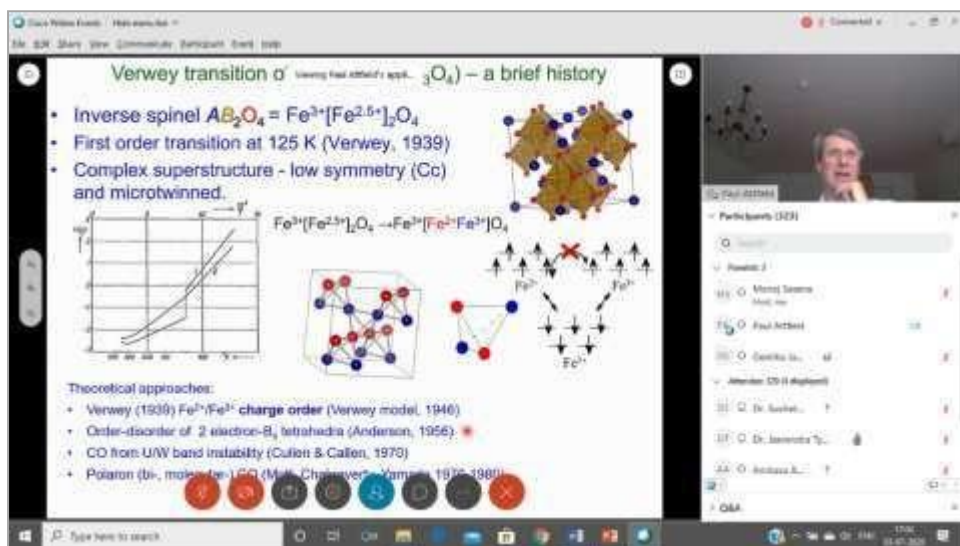
Research, Center, Moffett Field, California, USA.

Total Number of Attendees: 400.

July 03, 2020 – Special Public Webinar on “**New chemistry and physics in magnetic oxides**” by **Prof. J. Paul Attfield**, FRS, FRSE, FRSC, Foreign Fellow INSA, Centre for Science at Extreme

Conditions and School of Chemistry, University of Edinburgh, Mayfield Road, Edinburgh EH9 3JZ, UK.

Total Number of Attendees: 392;

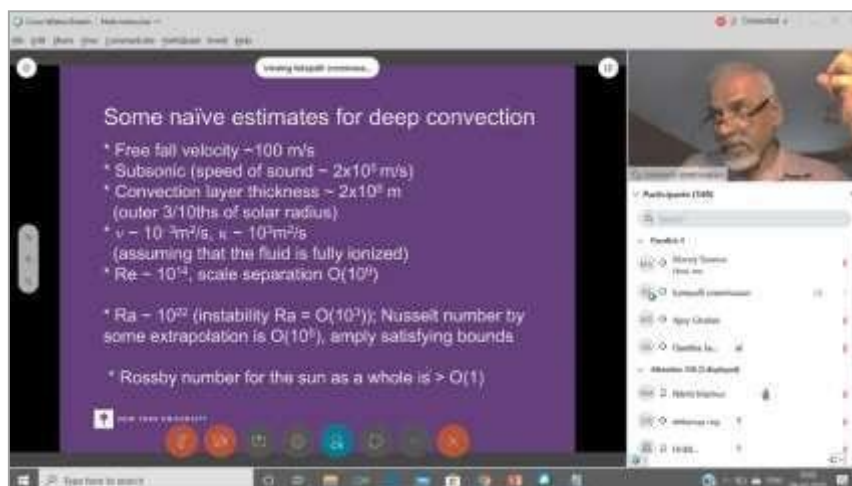


Youtube Link of the Webinar.

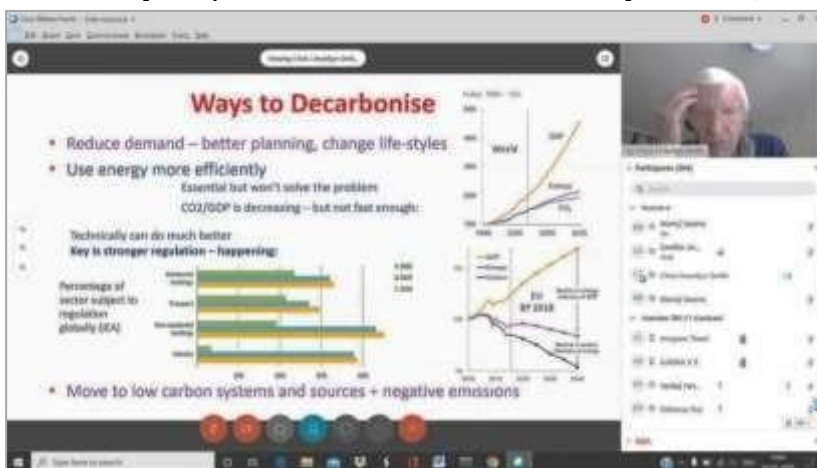
<https://www.youtube.com/watch?v=W9eItA6IVCw>

July 09, 2020 – Special Public Webinar on “**Flow inside the Sun**” by **Professor Katepalli Sreenivasan**, Foreign Fellow INSA, Dean Emeritus of NYU Tandon School of Engineering; The Eugene Kleiner Professor for Innovation in Mechanical Engineering; Professor of Physics (Faculty of Arts and Science); Mathematics (Courant Institute of Mathematical Sciences).

Total Number of Attendees: 431.



July 10, 2020 – Special Public Webinar on “**Can Future Energy Needs be met sustainably?**” by **Professor Sir Chris Llewellyn Smith**, FRS, FAPS (USA), Honorary Fellow, IOP (UK), Foreign Fellow INSA(India), Rudolf Peierls Centre for Theoretical Physics, Parks Road, Oxford OX1 3PU.



Total Number of Attendees 511;
Youtube Link of the Webinar.
<https://www.youtube.com/watch?v=UsQKD6XeKRI&t=25s>

July 11, 2020 – Special Public Webinar on “**Are we there yet? How do cells find their way?**” by **Professor Philip K. Maini**, FRS, FIMA, FRBS, FMedSci, Foreign Fellow INSA (India), Wolfson Centre for Mathematical Biology, Mathematical Institute, Oxford.

Total Number of Attendees: 445;
Youtube Link of the Webinar.
https://www.youtube.com/watch?v=BGFI_Vn6tIM&t=7s



July 14, 2020 – Special Public Webinar on “**The influence of infection on Society before Covid19**” by **Professor Sir Peter Julius Lachmann**, FRS, FRCP, FRCPath, FMedSci, Foreign Fellow INSA(India), Fellow, Emeritus Sheila Joan Smith Professor of Immunology, Christ College, University of Cambridge.

Total Number of Attendees 117; Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=U81yFsp-mdo&t=628s>

July 26, 2020 – Special Public Webinar on “**Empathetic Conversational Artificial Intelligence (AI)**” by **Professor Pascale Fung**, FIEEE FISCA, Director, Centre for Artificial Intelligence Research (CAiRE), Professor, Department of Electronic & Computer Engineering

and Department of Computer Science & Engineering, Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong. Total Number of Attendees 448; Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=dLUp-JVxX-g&t=140s>



July 28, 2020 – Special Public Webinar on “**Physics Does Digital Optimization- for Machine Learning, Control Theory, Back Propagation**” by **Professor Eli Yablonovitch**, The James & Katherine Lau Engineering Chair Professor, Electrical Engineering & Computer Sciences Dept., Director of the NSF Center for Energy Efficient Electronics Science, E3S Member, Kavli Energy Nano-Sciences Institute at Berkeley Senior Faculty Scientist, Lawrence Berkeley National Laboratory University of California, Berkeley.

Total Number of Attendees : 403;

Youtube Link of the Webinar.

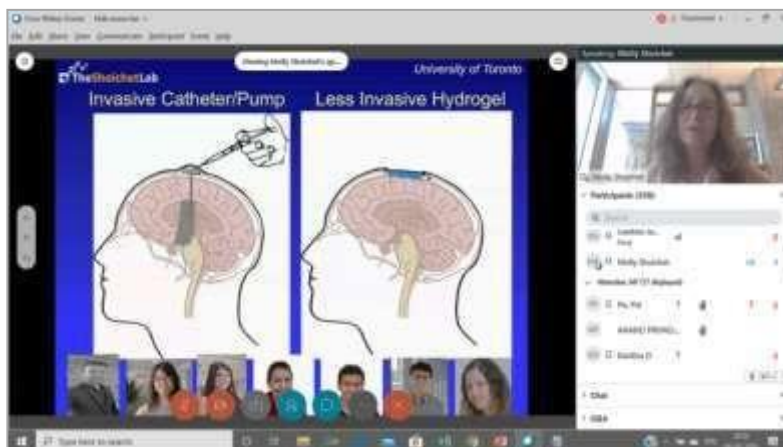
<https://www.youtube.com/watch?v=0idGK15jLdQ&t=1746s>



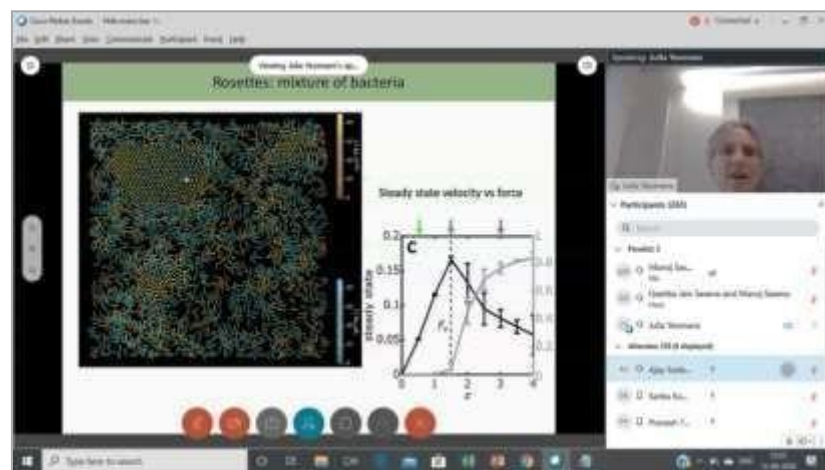
August 06, 2020 – Special Public Webinar on “**Engineering the future of Medicine**” by **Professor Molly S. Shoichet**, FRS, Tier 1 Canada Research Chair in Tissue Engineering, Professor of Chemical Engineering & Applied Chemistry and Biomaterials & Biomedical Engineering, Donnelly Centre for Cellular & Biomolecular Research, University of Toronto.

Total Number of Attendees 448;
Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=NfAePGnNBCs>.



August 14, 2020 – Special Public Webinar on “**Nature’s Engines: Active Matter**” by **Professor Julia Yeomans** FRS, The Rudolf Peierls Centre for Theoretical Physics, 1 Keble Road, Oxford, OX1 3NP, UK



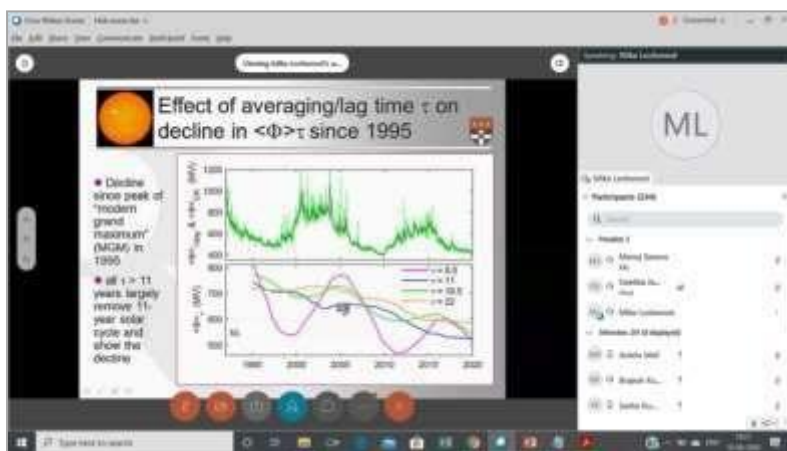
Total Number of Attendees: 350; Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=Ufy9HMUVUnY>

August 18, 2020 – Special Public Webinar on “**Solar magnetic fields and solar irradiance: implications for Earth's climate**” by **Professor Mike Lockwood**, FRS, Space and Atmospheric Electricity Group, Department of Meteorology, University of Reading, UK.

Total Number of Attendees :316;
Youtube Link of the Webinar.

https://www.youtube.com/watch?v=IS3Uit_axjw



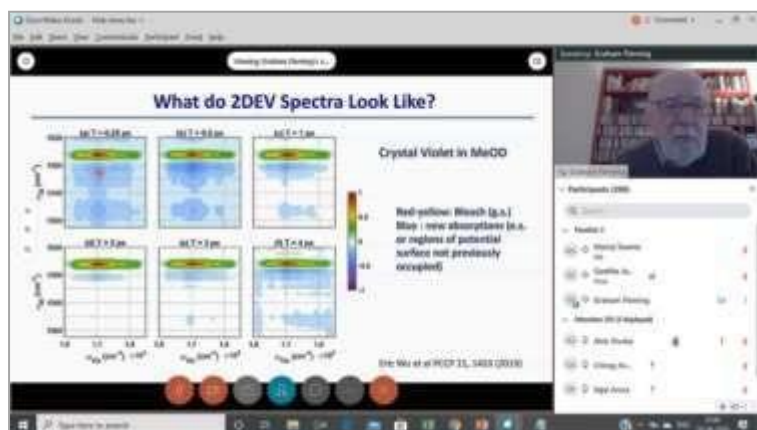
August 20, 2020 – Special Public Webinar on “**The Molecular Magic of the Primary Steps of Photosynthesis**” by **Professor Graham R Fleming** FRS, Professor of Chemistry, University of California Berkeley & Senior Faculty Scientist, Lawrence Berkeley National Laboratory.

Total Number of Attendees

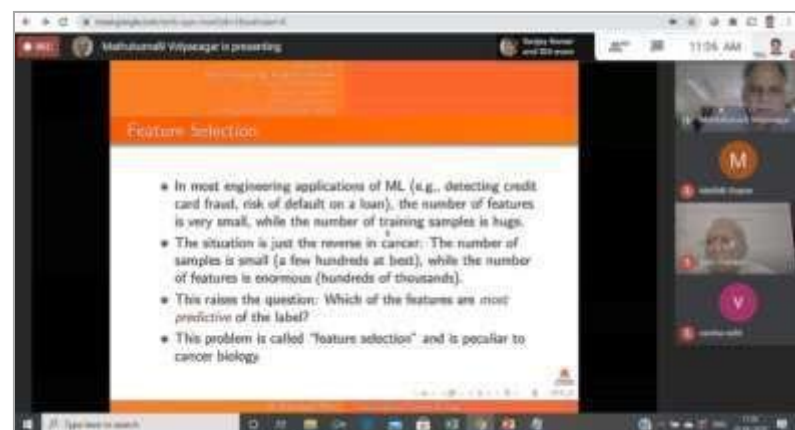
360;

Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=Yk4ELOr8gg8>



August 28, 2020 – Special Public Webinar on “**Machine Learning Methods in Computational Cancer Biology**” by **Professor Mathukumalli Vidyasagar**, FRS, FTWAS, FIEEE, FNA, FNAE, FASc, DST SERB National Science Chair & Distinguished Professor, Indian Institute of Technology Hyderabad.



Total Number of Attendees: 161; Youtube Link of the Webinar.

https://www.youtube.com/watch?v=676_c1Cb3P0

This webinar was part of the

Department of Science and Technology (DST) Golden Jubilee Celebration (1971-2021) for which the college received approval from DST.

August 30, 2020 – Special Public Webinar on “**Wireless AI: A New Sixth Sense to Deciphering our World**” by **Professor K. J. Ray Liu**, Electrical and Computer Engineering Department, University of Maryland, College Park.

Total Number of Attendees

339;

Youtube Link of the Webinar

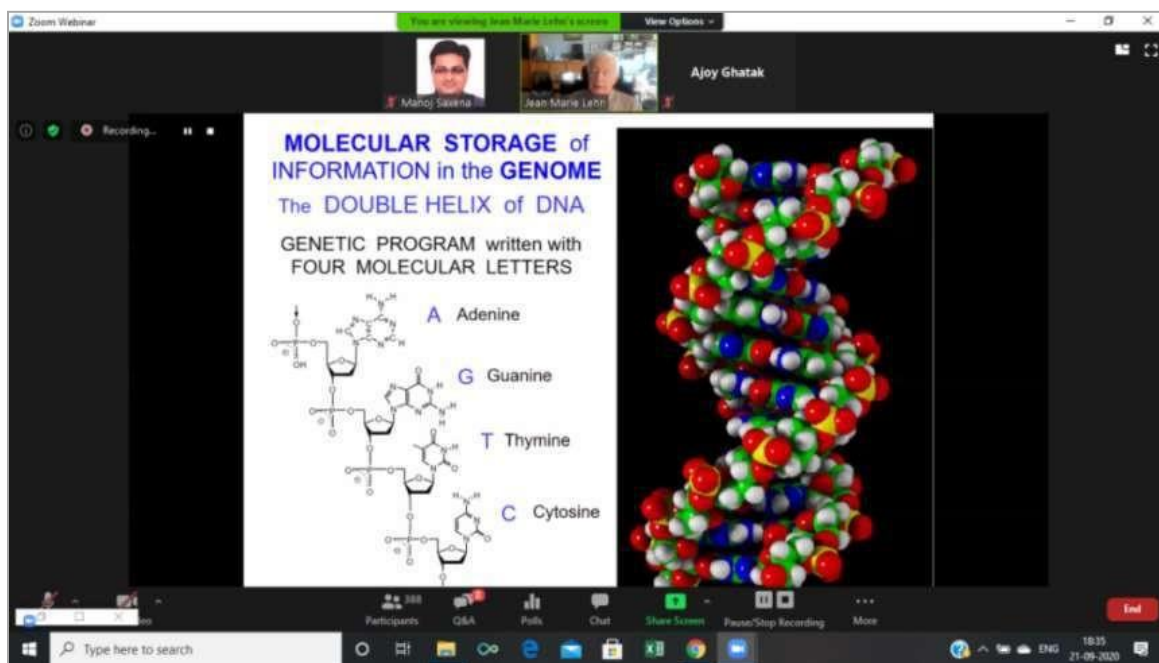
<https://www.youtube.com/watch?v=0oqhS11dhx8>.



September 21, 2020 - Special Public Lecture on "**Steps Towards Complex Matter: Chemistry!**" by **Nobel Laureate Prof. Jean-Marie Lehn**, SIS, University of Strasbourg Institute for Advanced Study.

Total Number of Attendees 488; Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=zqlzvZ6zZTE>



September 22, 2020 – Special Public Webinar on "**Lessons learned on optical coatings for gravitational wave interferometers**" by **Prof. Carmen S. Menoni**, Department of Electrical & Computer Engineering, Department of Chemistry and School of Advanced Material Discovery, Colorado State University, Fort Collins.

Total Number of Attendees 303;

Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=TjdkCfs3gt8&t=195s>



September 28, 2020 – Special Public Webinar on "**Granular Mining, Uncertainty Modelling and Data Science Concepts, Models and Challenges**" by **Prof. Sankar K. Pal**, FNA, FASc, FTWAS, FIEEE, FIAPR, National Science Chair and Emeritus Professor, Distinguished Scientist and former Director Indian Statistical Institute, Kolkata, India.

This webinar was part of the Department of Science and Technology (DST) Golden Jubilee Celebration (1971-2021) for which the college received approval from DST.



Total Number of Attendees 301; Youtube Link of the Webinar.

https://www.youtube.com/watch?v=vc92_dlwNtg&t=4130s

September 30, 2020 – Special Public Webinar on "**Organic Electronics**" by **Professor Sir Richard Friend** FRS, Cavendish Professor of Physics & Director Winton Programme for the Physics of Sustainability Cavendish Laboratory, Cambridge.

Total Number of Attendees: 388; Youtube Link of the Webinar.

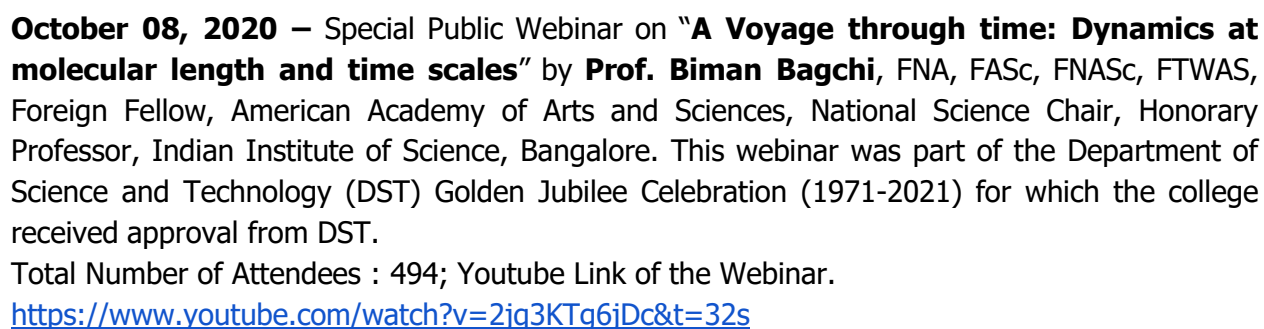
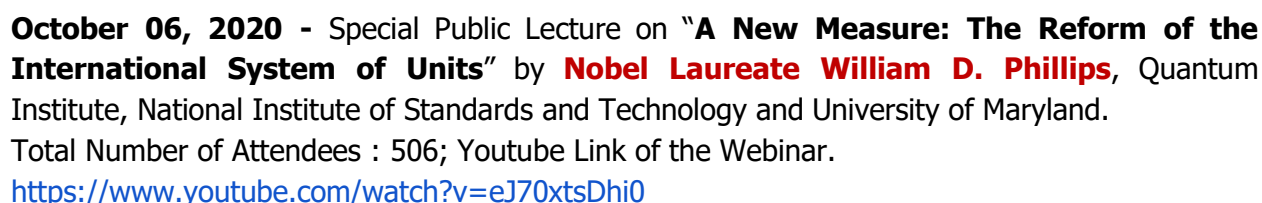
<https://www.youtube.com/watch?v=TUSR-p90KL8>



October 03, 2020 – Special Public Webinar on "**Benzene to Boron without Alchemy**" by **Professor Eluvathingal D. Jemmis**, FASc, FNA, FNASc, FTWAS & Year of Science Chair Professor SERB-DST, Dept of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore. This webinar was part of the Department of Science and Technology (DST) Golden Jubilee Celebration (1971-2021) for which the college received approval from DST.

Total Number of Attendees : 443; Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=2jq3KTg6jDc&t=32s>





October 11, 2020 – Special Public Webinar on “**Building stars, planets and the ingredients for life in space**” by **Professor Ewine F. van Dishoeck**, President-International Astronomical Union, 2015 Albert Einstein World Award of Science and the 2018 Kavli Prize for Astrophysics, Leiden Observatory, Leiden University, the Netherlands.

Total Number of Attendees
670; Youtube Link of
the Webinar

<https://www.youtube.com/watch?v=ffAmrEqujuw>



October 11, 2020 – Special Public Webinar on “**Astrophysical Black Holes**” by **Professor Andrew Fabian**, FRS, Former President – UK’s Royal Astronomical Society (2008-2010); Foreign Member of the US National Academy of Sciences & 2020 Kavli Prize for Astrophysics, Institute of Astronomy, University of Cambridge.

Total Number of Attendees : 670;
Youtube Link of the Webinar.

<https://www.youtube.com/watch?v=hPoDaS4DVVI>



January 12, 2021 – Special Public Webinar on “**Does the everyday world really obey quantum mechanics?**” by **Sir Anthony J. Leggett, Nobel Laureate Physics**, Professor Emeritus, Department of Physics, Grainger College of Engineering, University of Illinois Urbana-Champaign.

Total Number of Attendees : 1308; Youtube link of the Webinar:

<https://www.youtube.com/watch?v=3Ngz7hjzaA0>

The National Academy of Sciences, India (NASI)
- Delhi Chapter-
and
MoE-Institution Innovation Council (IIC)
Deen Dayal Upadhyaya College, University of Delhi, INDIA
Under the aegis of DBT Star College Program
Jointly Organizes
Special Public Lecture
January 13, 2021 @ 07:30 pm IST
Does the everyday world really obey quantum mechanics?

Sir Anthony J. Leggett, Nobel Laureate Physics
Professor Emeritus, Department of Physics, Grainger College of Engineering,
University of Illinois Urbana-Champaign.
Coordination Committee
Team MoE – IIC – DDUC Chapter and DBT Star College Program
Professor Anurag Sharma
Chairperson – NASI Delhi Chapter
Professor Vinay Gupta
Chairman-Governing Body
Deen Dayal Upadhyaya College
Dr. Hem Chand Jain
Principal
Deen Dayal Upadhyaya College
Dr. Manoj Saxena
Program Coordinator – DBT Star College Program
Deen Dayal Upadhyaya College

February 16, 2021 - Special Public Lecture on “**Atomic Clocks**” by **Prof. David Wineland, Nobel Laureate Physics 2012**, Philip H. Knight Distinguished Research Chair & Research Professor, Department of Physics, University of Oregon.

Total Number of Attendees : 431; Youtube link of the Webinar:

<https://www.youtube.com/watch?v=1Af5pQU4CT8>

University:
First two years: University of California, Davis, 1961 – 1963
(primarily agricultural school)
Final two years: University of California, Berkeley, 1963 – 1965
(stronger physics program); transfer straightforward

Berkeley campus

February 24, 2021 - Special Public Lecture on **"Topological Defects and Phase Transitions in Two Dimensions (A Random Walk Through Physics To The Nobel Prize)"** by **Prof. J. Michael Kosterlitz, Nobel Laureate Physics 2016**, Harrison E. Farnsworth Professor of Physics, Brown University.

Total Number of Attendees : 406; Youtube link of the Webinar:

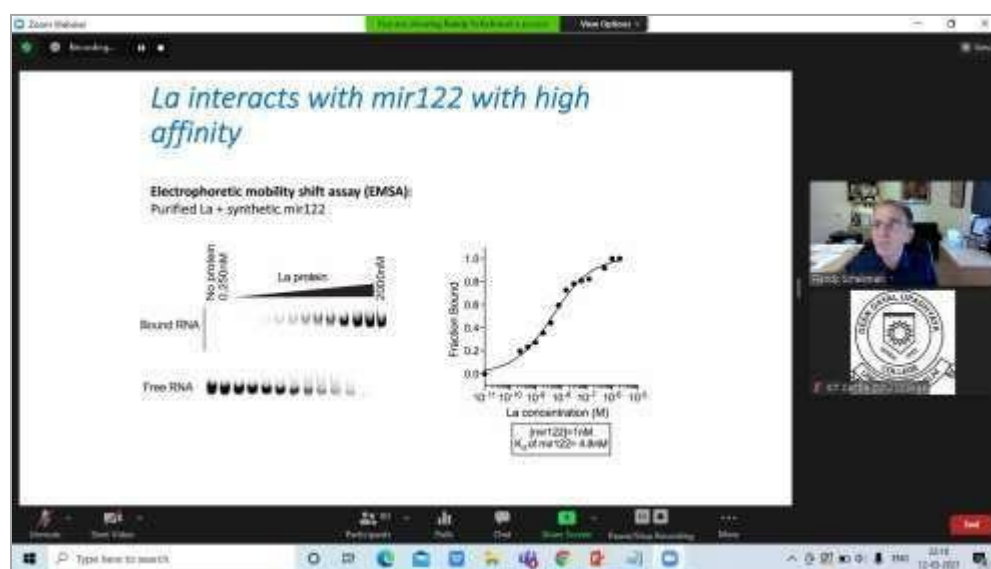
<https://www.youtube.com/watch?v=MXvpjGCh-hU>



March 12, 2021 - Special Public Lecture on **"How cells manufacture and export proteins and RNA"** by **Professor Randy Schekman, Nobel Laureate Physiology/Medicine 2013**, Howard Hughes Institute Investigator and Professor of Cell and Developmental Biology, University of California, Berkeley.

Total Number of Attendees : 260; Youtube link of the Webinar:

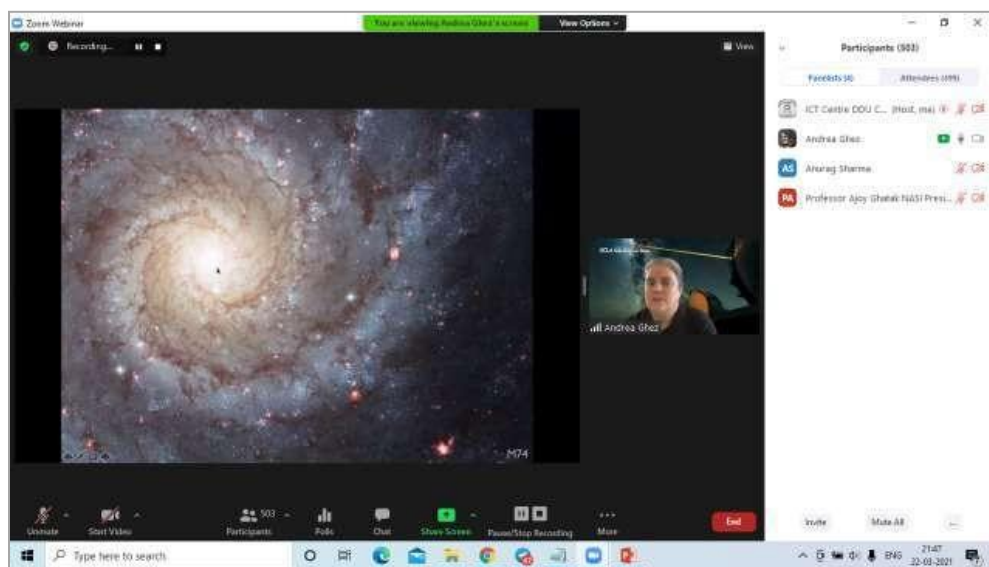
<https://www.youtube.com/watch?v=UXBfp-X9bv4>



March 22, 2021 - Special Public Lecture on: **"From the Possibility to the Certainty of a Supermassive Black Hole"** by **Professor Andrea Ghez, Nobel Laureate Physics 2020**, Professor of Physics and Astronomy, University of California, Los Angeles.

Total Number of Attendees : 503; Youtube link of the Webinar:

<https://www.youtube.com/watch?v=x6RXMIYYLQk>



June 17, 2020 – July 17, 2020 - Online Internship - cum - Hands-on Training Workshop on **"Verilog Implementation of Digital Circuit Designs on FPGA using Vivado"** Under the Aegis of DBT Star College Program, Electronics from June 17, 2020 – July 17, 2020 in collaboration with **CoreEL Technologies**. 63 students attended the training program



August 03 – 10, 2020 - A National Level One Week Online Faculty Training Program on **"Pedagogical Training for Effective Online Teaching and Learning"** was organized in **collaboration with K.T.H.M. College, Nashik** from Aug 3, 2020 to 10, 2020 under the aegis of Internal Quality Assurance Cell and DBT Star College Program. A total of 547 faculty members from more than 170 institutions all across India (including 16 states and 3 Union Territories) apart from University of Delhi participated in the program. Registrations from 30 different colleges & even departments of University of Delhi were received. A dedicated android app was developed for the smooth conduct of the program. In addition to a Plenary talk, 12 distinct Modules each covering one of the important aspects of online teaching & content development were carefully designed for this faculty development program. Participants were given daily assignments and quiz based on the Modules covered that ensured their active participation and learning throughout the program. Additionally, a final quiz was also conducted on the last day of the program which consisted of application based questions from all the modules undertaken during the week long program. Feedback was also collected for all the sessions held (for each module and resource person). A 50% cut-off was laid by the IQAC of both the collaborating colleges both in assignments and quiz for successful completion of the faculty training program. All the participants were also given access to all the session of the faculty training program through a dedicated playlist under a Youtube channel where they can listen to the sessions later too. The program content and all the technical sessions were much appreciated by all the participants.

September 14-19, 2020: Science Academies Online Lecture Workshop on **"Frontiers in Science & Engineering - Opportunities for Graduates"** Held during September 14-19, 2020 Organised by Science Foundation and MHRD-IIC-DDUC Chapter, Deen Dayal Upadhyaya College, University of Delhi, New Delhi (Under the aegis of DBT Star College Program)

September 14, 2020, the workshop was inaugurated by **Prof. Anurag Sharma**, FNA, FNASc, FASc, FNAE, JC Bose National Fellow (SERB), Deptt. of Physics, IIT Delhi.

Number of Attendees: 300+,

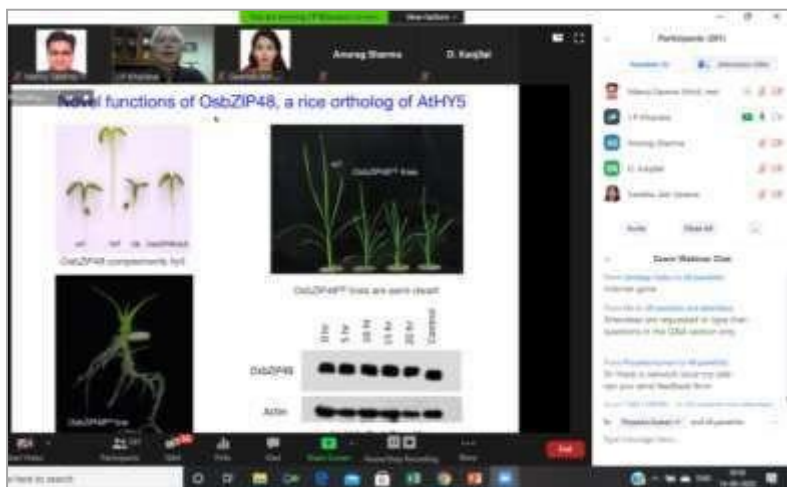
Youtube Link of the Lecture:

<https://www.youtube.com/watch?v=jYcZWYuJ4ws>



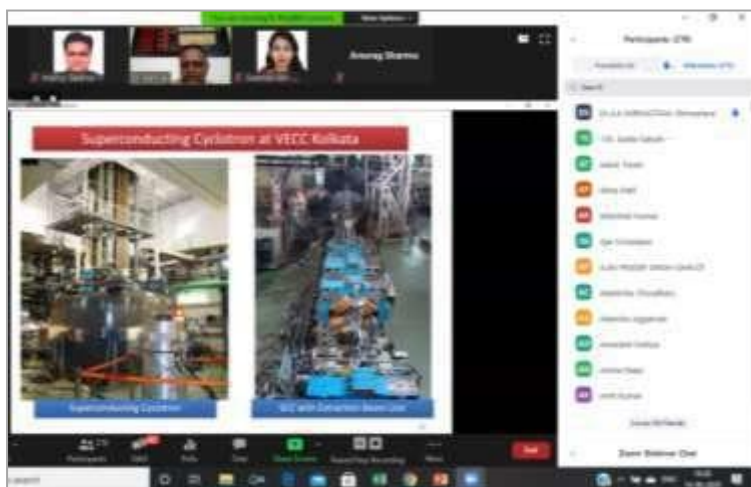
September 14, 2020: Prof. Jitendra P. Khurana, FNA, FASc, FNASc, FNAAS, FTWAS, Vice-President (International Affairs), INSA, JC Bose National Fellow (SERB), Professor, Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi delivered his talk on the topic **"Molecular Insight into Plant Vision"**.

Total Number of Attendees:
290+



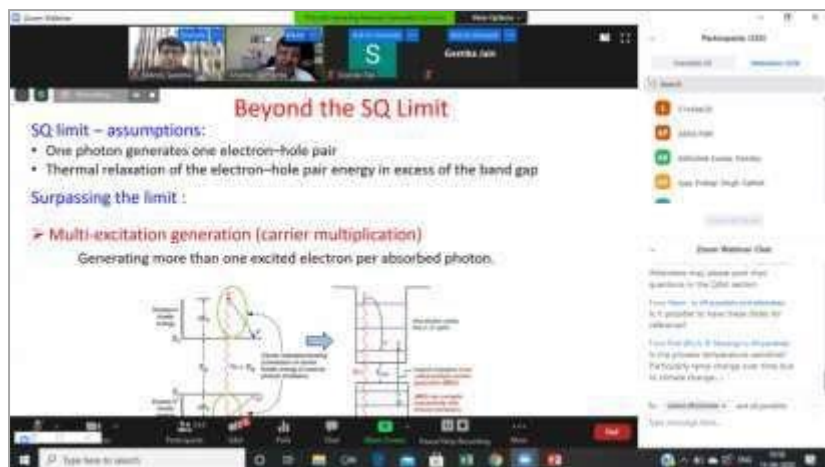
September 14, 2020: Talk on "Ion Accelerator based Interdisciplinary Developments, Research and Applications" was delivered by **Dr. Dinakar Kanjilal**, FNA, FNASc, DAE Raja Ramanna Fellow & Former Director, Inter University, Accelerator Centre (IUAC) New Delhi.

Total Number of Attendees :
280+



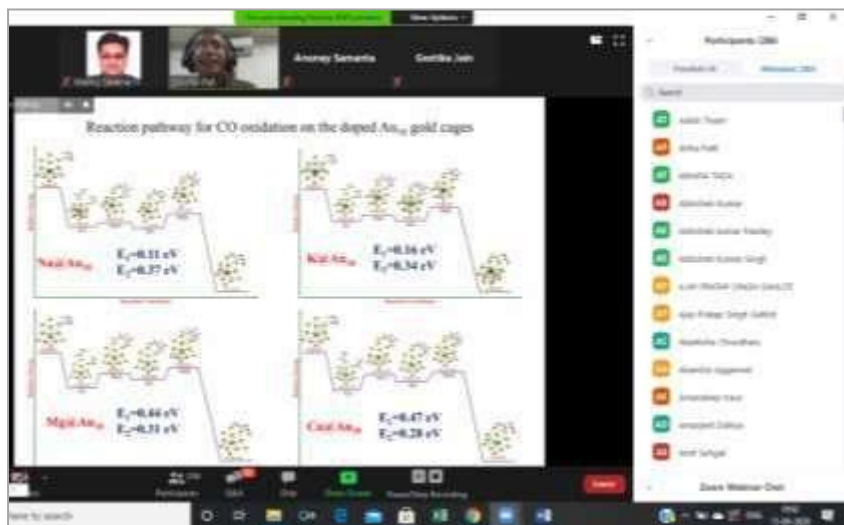
September 15, 2020: Talk on "The Lead Halide Perovskites: Photoluminescence and Charge Carrier Dynamics" was delivered by **Professor Anunay Samanta**, FASc, FNASc, FNA, Sr. Professor and J.C. Bose National Fellow (DST), School of Chemistry, University of Hyderabad.

Total Number of Attendees:
230+



September 15, 2020, Talk on “**Interdisciplinary Education for Science and Innovation**” was delivered by **Professor Sourav Pal**, FASc, FNASc, FNA, Director, Indian Institute of Science Education & Research, West Bengal.

Total Number of Attendees : 280+



September 16, 2020, Talk on “**Electronic Cash, Cryptocurrencies and Smart Contracts**” was delivered by **Professor Rudrapatna Kallikote Shyamasundar**, FASc, FNA, FNASc, FNAE, FIEEE, FTWAS, Distinguished V Professor, Computer Science & Engineering Department, IIT Powai.

Total Number of Attendees : 280+;

Youtube Link of the Lecture:
<https://www.youtube.com/watch?v=g0cbC5CzeHc>



September 17, 2020, talk on “**Indian Healthcare, Digital Transformation, and COVID-19**” was delivered by **Dr Anurag Agrawal**, FNA, Director, CSIR-Institute of Genomics and Integrative Biology, Delhi University.

Number of Attendees : 270+; Youtube Link of the Lecture:

<https://www.youtube.com/watch?v=ncmyuHmzlAs&t=5s>



September 17, 2020, Talk on “**Responsibilities and opportunities for academics in the context of current pandemic**” was delivered by **Dr. Rakesh K Mishra**, FASc, FNASc, FNA, Director, CSIR-Centre for Cellular & Molecular Biology, Hyderabad.

Total Number of Attendees: 280+;

Youtube Link of the Lecture:

<https://www.youtube.com/watch?v=1fUb9ZirYbk>

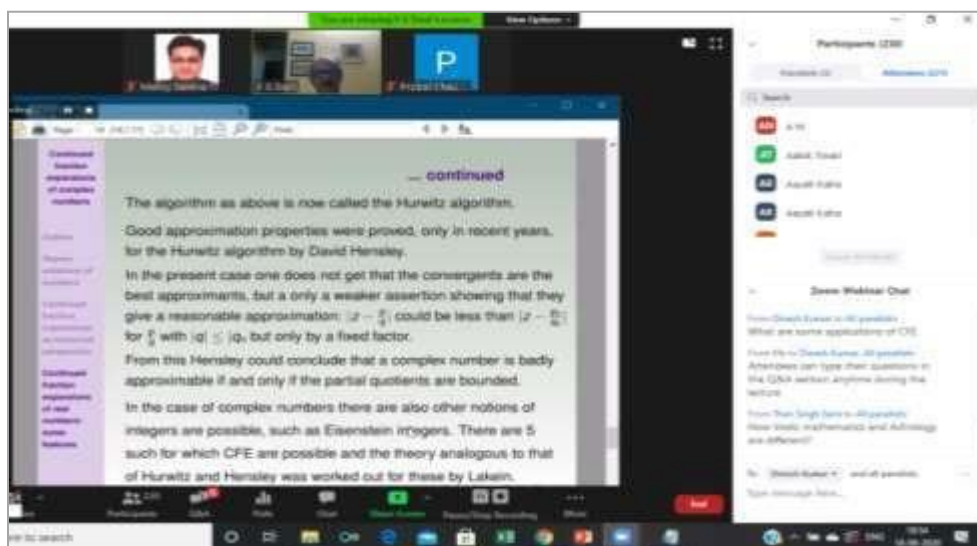


September 18, 2020 – Talk on “**Continued fraction expansions of complex numbers**” was delivered by **Prof. Shrikrishna Gopalrao Dani**, FASc, FNA, FNASc, Distinguished Professor, Centre for Excellence in Basic Sciences, University of Mumbai, Maharashtra.

Total Number of Attendees: 230+;

Youtube Link of the Lecture:

<https://www.youtube.com/watch?v=y6DijOzl2Ac>



September 18, 2020 – Talk on “**C.R.Rao and Mahalanobis' Distance**” was delivered by **Prof. Probal Chaudhuri**, FASc, FNA, FNASc, Theoretical Statistics and Mathematics Unit, Indian Statistical Institute, Kolkata.

Total Number of Attendees : 260+;

Youtube Link of the Lecture:

<https://www.youtube.com/watch?v=1ORadhCBaBI>



September 19, 2020 – Talk on “**Future Geosciences and Opportunities**” was delivered by **Prof. Ashok Kumar Singhvi**, FASc, FNA, FNASc, FTWAS, Honorary Scientist, Atmospheric, Molecular & Optical Physics Divn., PRL, Gujarat.

Number of Attendees : 260+; Youtube Link of the Lecture:

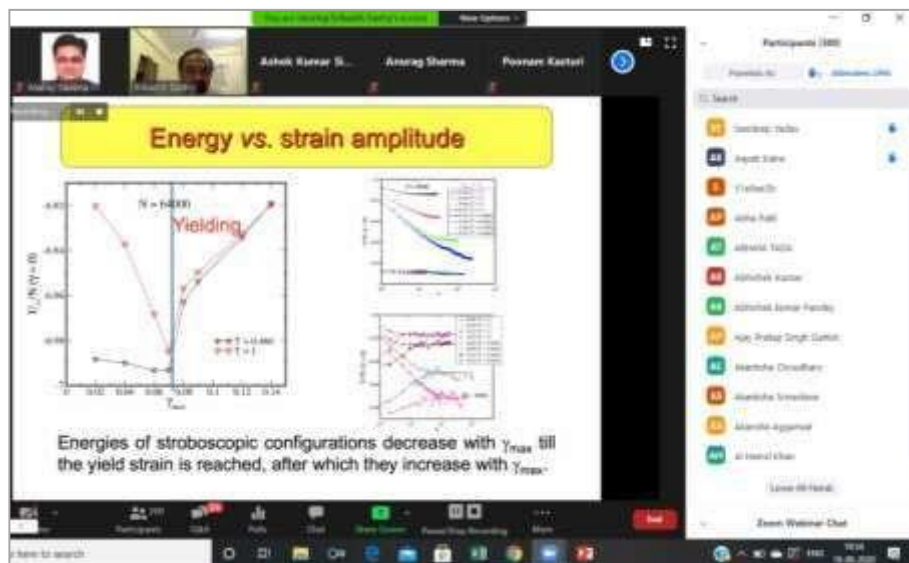
<https://www.youtube.com/watch?v=ho9xT8Aiw2Y>



September 19, 2020 – Talk on “**Glasses and other amorphous solids**” was delivered by **Professor Srikanth Sastry**, FASc, FNASc, FNA, Theoretical Sciences Unit, JNCASR, Bangalore, Karnataka.

Total Number of Attendees: 300+;
Youtube Link of the Lecture:

<https://www.youtube.com/watch?v=0orFxUml7fw>



"UNTIL THE DAY WE HAVE A MEDICAL VACCINE, FOOD IS THE BEST VACCINE AGAINST CHAOS."

Join to have a glimpse:
"World Food Programme (WFP) – A journey to the Nobel Peace Prize 2020"
at an international webinar organized by **Deen Dayal Upadhyaya College (University of Delhi)**
under the aegis of Internal Quality Assurance Cell (IQAC) and DBT Star College Scheme

Harjit Sandhu
Senior Advisor (Investigations),
WFP HQ, Rome (Italy).

Bishow Parajuli
Country Director,
WFP-India

Save the date: Tuesday, 20th October 2020
Time: 5:30 p.m. Indian Standard Time / 2:00 p.m. Rome Time / 8:00 a.m. US Time (EDT)

Link to the event: <https://zoom.us/j/95021426241>
Your Tube live link: <https://youtu.be/slvg6qE4FU>

Live chat enabled

Hem Chand Jain
Officiating Principal,
DDUC

Manoj Saxena
Coordinator, IQAC &
DBT Star College
Scheme, DDUC

Sudhir Verma
DBT Star College
Scheme Convener,
Zoology, DDUC

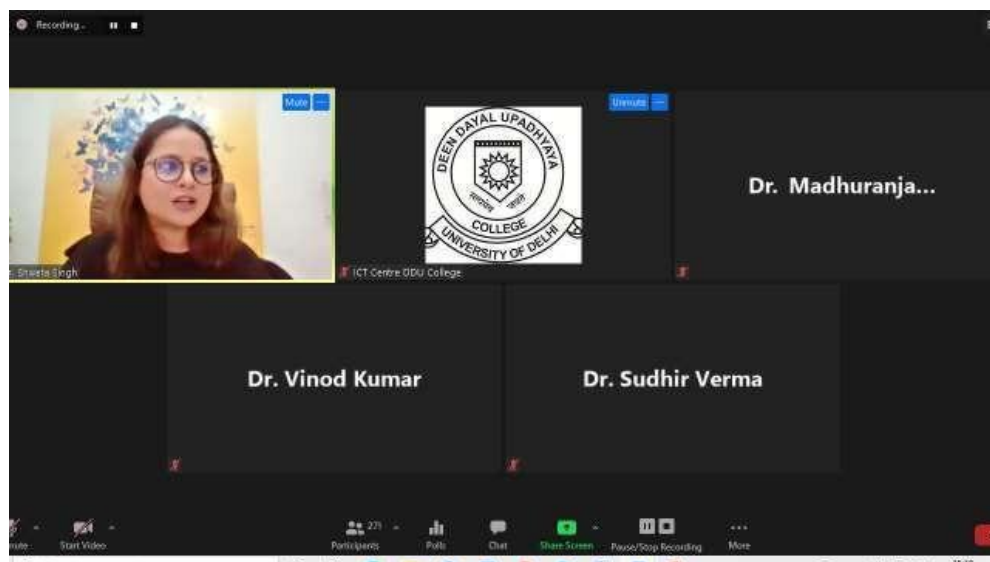
Priya Goel
Event convener,
Department of
Zoology, DDUC

October 20, 2020: "World Food Programme (WFP) – A Journey to the Nobel Peace Prize 2020" was organized which was delivered by **Mr. Harjit Sandhu**, Senior Advisor (Investigations), WFP HQ, Rome (Italy) and **Mr. Bishow Parajuli**, Country Director, WFP-India

February 8 - 13, 2021: MoE-Institution Innovation Council (IIC) DDU Chapter (under the aegis of DBT Star College Program) And Internal Quality Assurance Cell, Deen Dayal Upadhyaya College, University of Delhi, India Jointly organized **online International Workshop on Intellectual Property Right, (Equivalent to Faculty Development Program)** during February 8-13, 2021. Resource Persons were

- ❖ February 09, 2021: **"Relevance of IPR-Part-I"** by **Professor R. M. Mehra**, Professor Emeritus, Electronics and Communication Engineering (ECE), Sharda University.
- ❖ February 10, 2021: **"Patenting Laws"** by **Dr. Naveen Varma**, Senior Partner, ZeusIP Advocates LLP.
- ❖ February 11, 2021: **"IPR Enforcement in India"** by **Dr. Shweta Singh**, Founder CEO - ENNOBLE IP.
- ❖ February 12, 2021: **"What, Why and How"** by **Dr. Madhuranjan Vatsa**, Designated Partner, Patent attorney, Indian Trademark and Design Attorney, Akhildev IPR and Research Services.
- ❖ February 13, 2021: **"Relevance of IPR-Part-II"** by **Prof. R. M. Mehra**, Professor Emeritus, Electronics and Communication Engineering (ECE), Sharda University.





ATMANIRBHAR BHARAT ABHIYAN WEBINAR SERIES

Atmanirbhar Bharat Abhiyan Webinar Series - **National Level Lecture Workshop on Frontiers in Science and Engineering by Women in Science** jointly organized by **The National Academy of Sciences India - Delhi Chapter & Science Foundation** and **MoE-Institution Innovation Council (IIC)-DDUC Chapter**, Deen Dayal Upadhyaya (DDU) College (University of Delhi) **under the aegis of DBT Star College Program From Feb 01, 2021 – March 06, 2021.**

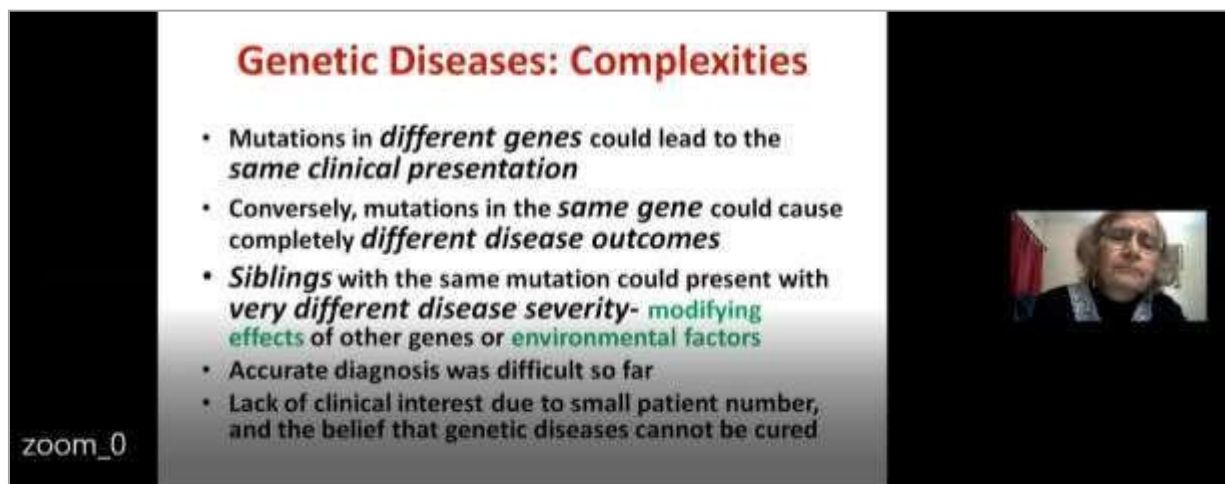
February 01, 2021: Webinar on “**COVID-19 and Vaccines: The Road Ahead**” was delivered by **Professor Gagandeep Kang** FRS, The Wellcome Trust Research Laboratory, Division of Gastrointestinal Sciences, Christian Medical College, Vellore

Total No. of Attendees: 174



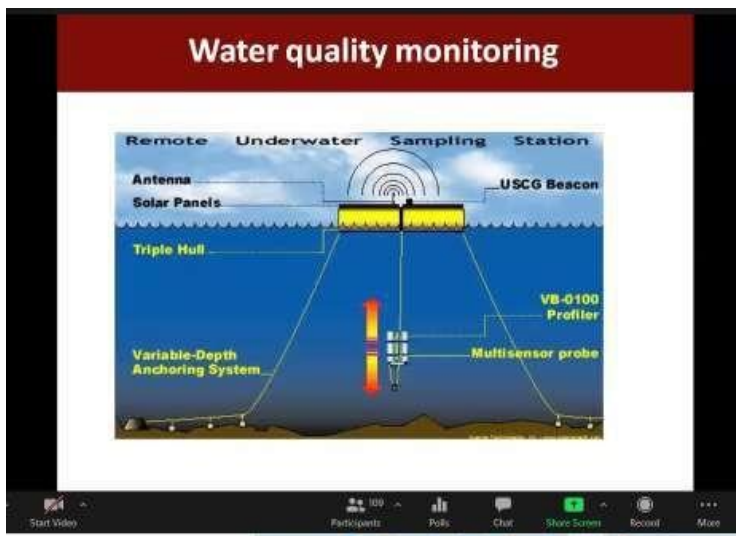
February 03, 2021 – Webinar on “**Treatment of Human Genetic Diseases: New Hope from Base Editing and mRNA Delivery Technologies**” was delivered by **Professor Sudha Bhattacharya**, FASc, FNASc, FNA, INSA Senior Scientist, Ashoka University, (formerly JC Bose National Fellow and Prof. Jawaharlal Nehru University, New Delhi)

Total No. of Attendees: 173



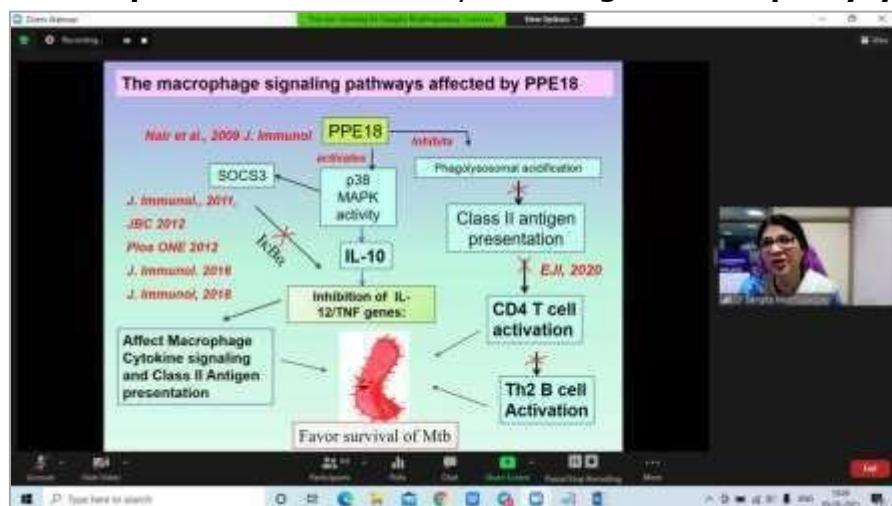
February 04, 2021 – Webinar on “**Emerging Technology in Smart Sensing**” was delivered by **Dr. Sunita Mishra**, Senior Principal Scientist, CSIR-CSIO Chandigarh

Total No. of Attendees: 159



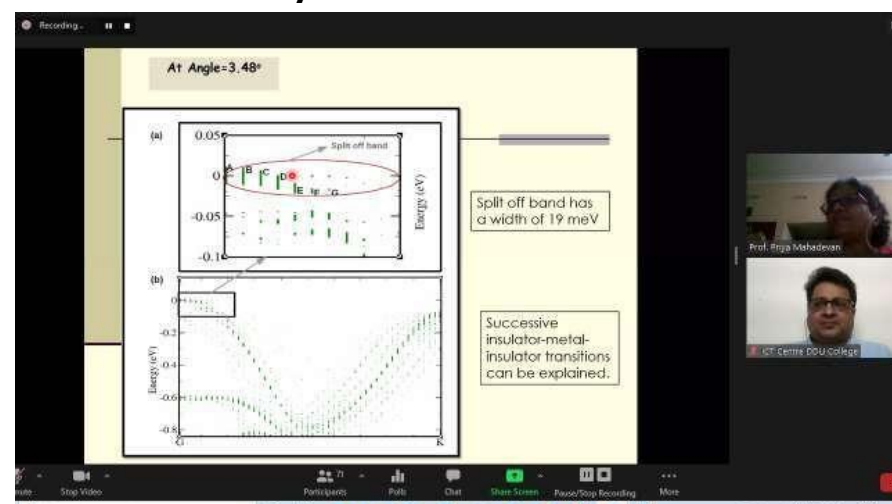
February 05, 2021 – Webinar on “**PPE18 protein : Focus on mycobacterial virulence and designing of anti-TB therapeutic**” was delivered by **Dr. Sangita Mukhopadhyay**, FNA, FASc, FNASc, FTASc, Staff Scientist - VII and Group Leader, Laboratory of Molecular Cell Biology (LMCB), Centre for DNA Fingerprinting and Diagnostics, Hyderabad - 500039, India.

Total No. of Attendees: 126



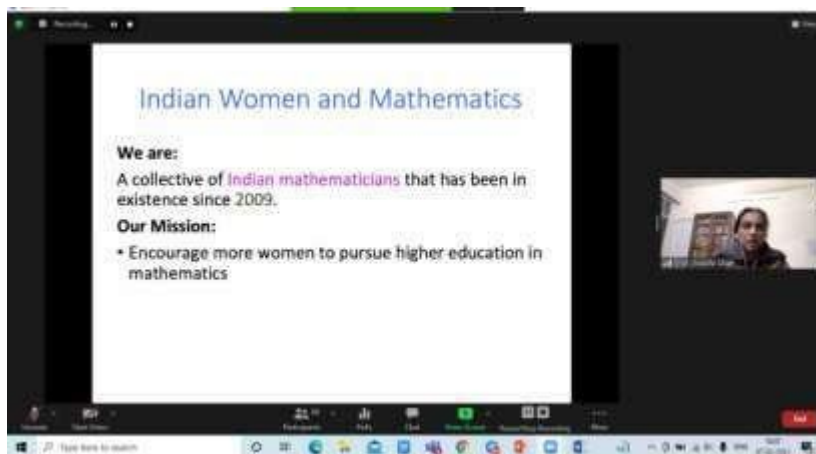
February 06, 2021 – Webinar on “**Periodicity and the formation of a band structure revisited**” was delivered by **Prof. Priya Mahadevan**, FASc, Associate Professor, SN Bose National Centre for Basic Sciences, Kolkata

Total No. of Attendees: 100



February 07, 2021 – Webinar on “**Some Aspects of Dynamics**” was delivered by **Professor Riddhi Shah**, School of Mathematics, Jawaharlal Nehru University (JNU)

Total No. of Attendees: 116



February 08, 2021 – Webinar on “**Tulsi the Elixir of Life : A Biologist's point of view and analysis**” was delivered by **Prof Neelam Sangwan**, FNA, FNASc, FNAAS, Head, Department of Biochemistry, Central University of Haryana, Mahendergarh; ex-Chief Scientist, CSIR-Central Institute of Medicinal and Aromatic Plants, Lucknow

Total No. of Attendees: 110



February 09, 2021 – Webinar on “**Computational Modeling of Complex Oxides**” was delivered by **Professor Tanusri Saha-Dasgupta**, FTWAS, FASc, FNASc, APS Fellow, J C Bose Fellow & Senior Professor & Dean (Academic), Department of Condensed Matter Physics & Materials Science, S. N. Bose. National Center for Basic Sciences, Kolkata

Total No. of Attendees: 105



February 10, 2021: Webinar on “**Climate Smart Agriculture in the Era of Plant Genomics**” was delivered by **Professor Paramjit Khurana**, FNA, FASc, FNASc, FNAAS, FTWAS, J.C. Bose National Fellow at Department of Plant Molecular Biology, University of Delhi South Campus, New Delhi

Total No. of Attendees: 119




February 11, 2021: Webinar on “Solving the ubiquitous eigenvalue problems” was delivered by **Professor Shreemayee Bora**, Department of Mathematics, Indian Institute of Technology, Guwahati, Assam

Total No. of Attendees: 112



February 12, 2021: Webinar on “**Revolving around vacuole -Why Salmonella loves its vacuole**” was delivered by **Professor Dipshikha Chakravorty**, FASc, FNASc ,FNA, ASTRA Chair Professorship, DAE SRC Fellow, Humboldt Fellow, Department of Microbiology and Cell Biology, Associate Faculty, Biosystems Science and Engineering, Indian Institute of Science, Bangalore

Total No. of Attendees: 104



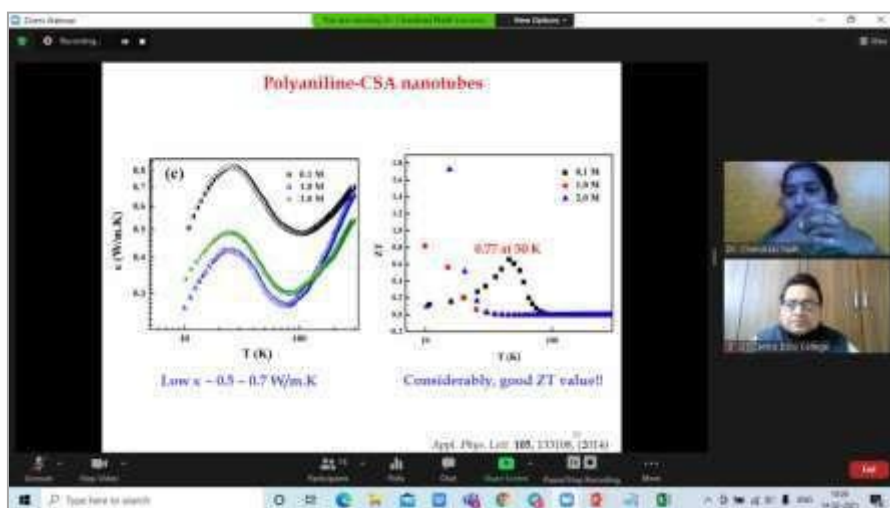
February 13, 2021 – Webinar on “**Topology of algebraic varieties**” was delivered by **Professor Jaya Naganathan Iyer**, FASc, Professor H, Mathematics Group, The Institute of Mathematical Sciences, Chennai

Total No. of Attendees: 97



February 14, 2021 – Webinar on “**Thermoelectricity in low dimensional materials**” was delivered by **Dr. Chandrani Nath**, DST INSPIRE Faculty, Special Centre for NanoScience, JNU

Total No. of Attendees: 86



February 15, 2021 – Webinar on “**Enzymes: Molecular basis of function**” was delivered by **Professor Hemalatha Balaram**, FNA, FASc, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced, Scientific Research (JNCASR), Bangalore

Total No. of Attendees: 113



February 16, 2021 – Webinar on “**SARS-CoV-2 vaccines, the diplomacy and the science**” was delivered by **Dr. Upasana Ray**, Senior Scientist and Assistant Professor(AcSIR) & Deputy Head (Infectious diseases and immunology), Division: Infectious diseases and immunology, CSIR-Indian Institute of Chemical Biology, Kolkata

Total No. of Attendees: 100



February 17, 2021 – Webinar on “**Codes for the making of a rice flowering stem: roles for evolutionarily conserved transcription factors**” was delivered by **Professor Usha Vijayraghavan**, FNA, FASc, Dean, Division of Biological Sciences, Indian Institute of Science, Bangalore

Total No. of Attendees: 81



February 18, 2021 – Webinar on “**Raising Issues of Gender Equality in STEM Careers**” was delivered by **Dr. Ranjana Aggarwal**, Director CSIR-National Institute of Science Technology and Development Studies (CSIR-NISTADS) and Director National Institute of Science Communication and Information Resources (CSIR-NISCAIR), New Delhi

Total No. of Attendees: 97



Funding: NCS-TIFR (DAE), DBT, SERB
 Collaborators: M. Roebush, Brandeis,
 Angela Giangrande (Strasbourg - LM),
 C.W. Taylor (Cambridge, UK),
 Dimple Nolini (NCBS).

[illegible]

A screenshot of a Zoom meeting window. The main content is a presentation slide with a blue header bar containing the text "2. Bistability in single neurons and relationship to motor outputs". Below the header is a portrait of a woman with dark hair, wearing a red top, identified as "Mohini Sengupta". The Zoom interface includes a top bar with "Zoom Client" and "Recording" status, and a bottom taskbar with various application icons and system clock. A small sidebar on the right shows a participant list with "Dr. Vetrula Thiru..." visible.

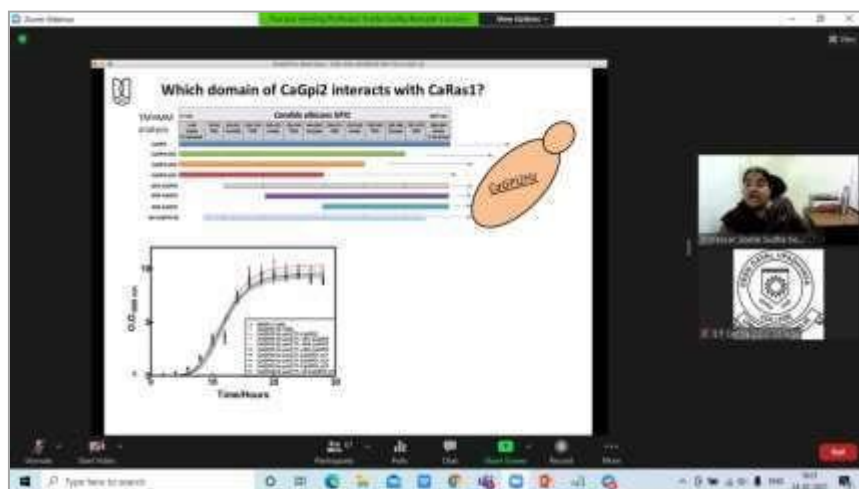
February 23, 2021 – Webinar on “**Modular routes for the preparation of hybrid materials based on silica**” was delivered by **Prof. Leena Nebhani**, Department of Materials Science and Engineering, Indian Institute of Technology Delhi

Total No. of Attendees:
67



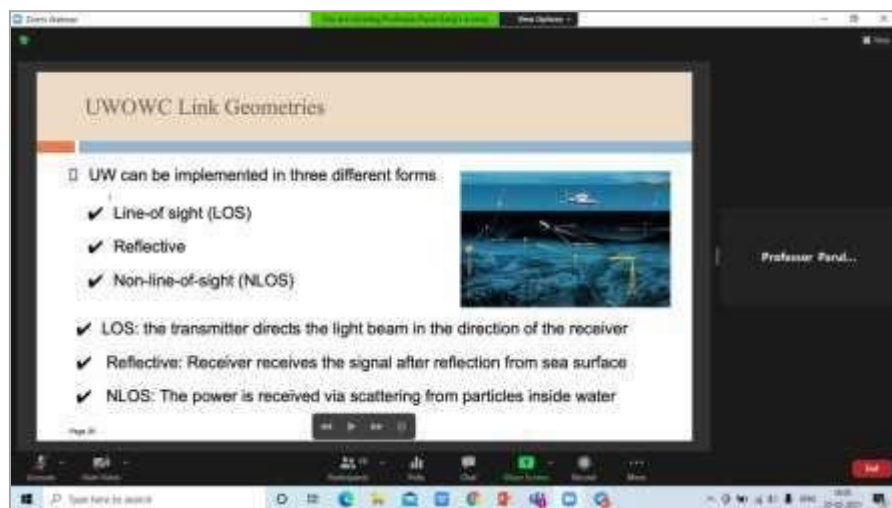
February 24, 2021 – Webinar on “**Dressed to Kill: Coordinated expression of GPI anchored virulence factors with hyphal morphogenesis in the human pathogenic fungus, Candida albicans**” was delivered by **Professor Sneha Sudha Komath**, School of Life Sciences, Jawaharlal Nehru University, New Delhi

Total No. of Attendees: 80



February 25, 2021 – Webinar on “**Wireless Systems with Optical and RF Signals**” was delivered by **Prof. Parul Garg**, Division of Electronics and Communication Engineering, Netaji Subhas University of Technology, New Delhi

Total No. of Attendees:
135



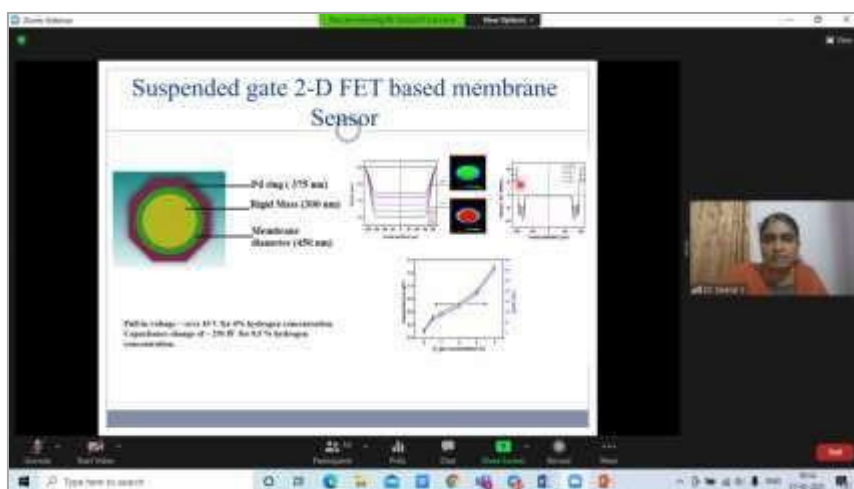
February 25, 2021 – Webinar on “**Semiconductor Technology in the service of Defence**” was delivered by **Dr. Seema Vinayak**, Director-SSPL, New Delhi

Total No. of Attendees: 135



February 27, 2021 – Webinar on “**Nanomechanical MEMS Flexures and Membranes: Ultra-sensitive Platforms for Environmental Sensing**” was delivered by **Dr Seena V**, Associate Professor, Department of Avionics, Indian Institute of Space Science and Technology (IIST), Department of Space, Govt. of India, Thiruvananthapuram

Total No. of Attendees: 92



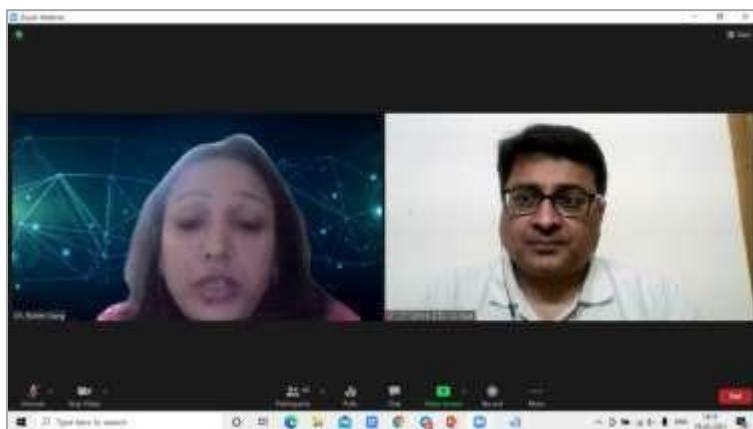
February 27, 2021 – Webinar on “**Neutrinos : From Impossible Dreams to Unreachable Stars**” was delivered by **Dr. Srubabati Goswami**, FASc, FNASc, FNA, Professor, Theoretical Physics Division, Physical Research Laboratory, Ahmedabad

Total No. of Attendees: 92



February 28, 2021 – Webinar on “**Studying epigenomics to understand plant environment interactions**” was delivered by **Dr. Rohini Garg**, Department of Life Sciences, School of Natural Sciences, Shiv Nadar University, UP

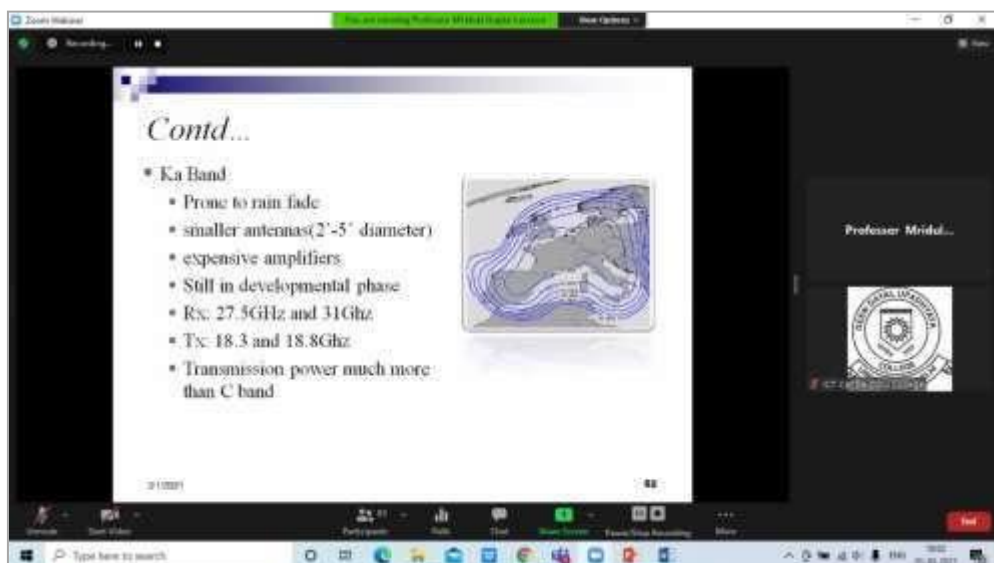
Total No. of Attendees: 63



March 01, 2021 – Webinar on “**Satellite-A conquest for outer space**” was delivered by **Professor Mridula Gupta**,

Head,
Department of Electronic Science,
University of Delhi

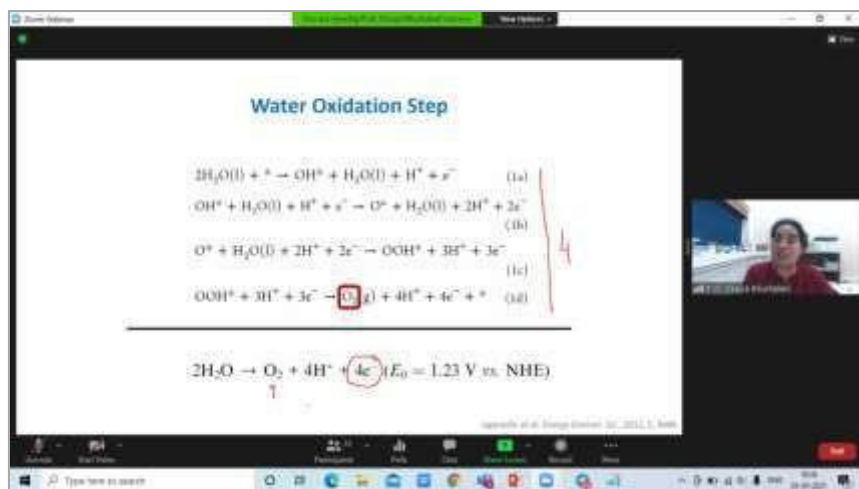
Total No. of Attendees: 115



March 03, 2021 – Webinar on “**Routes to Clean Sources of Energy – Mitigating our Dependency on Non-renewables**” was

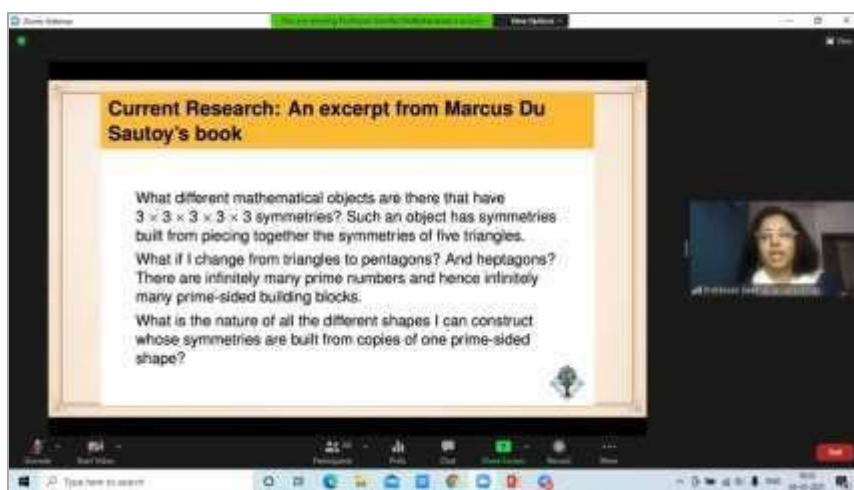
delivered by **Prof. Deepa Khushalani**, FRSC, Professor in Materials Chemistry, Dept. of Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Colaba, Mumbai 400 005, India

Total No. of Attendees: 69



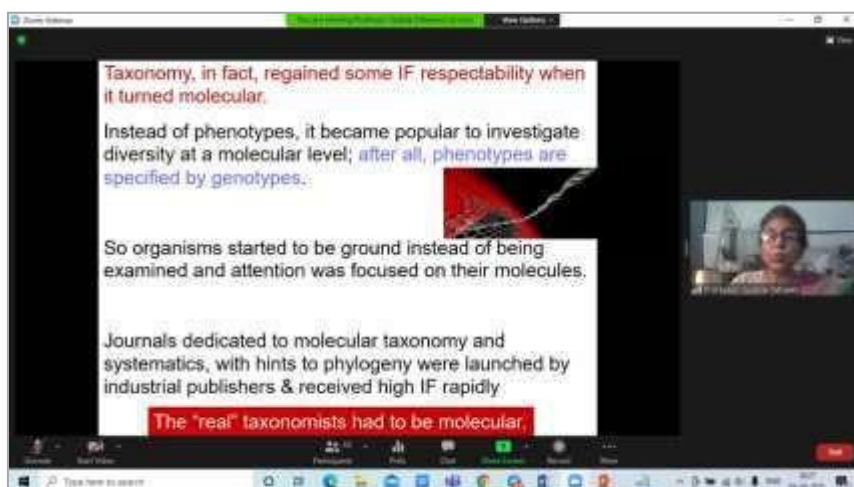
March 04, 2021 - Webinar on “**Intertwined: Emmy Noether and Symmetry**” was delivered by **Professor Geetha Venkataraman**, Professor of Mathematics, & Dean Research and Consultancy, Ambedkar University Delhi, Delhi 110006

Total No. of Attendees: 77



March 05, 2021 – Webinar on “**The Relevance of Taxonomy in the Era of Modern Sciences**” was delivered by **Dr Qudsia Tahseen**, FASc, FNASc, FNA, Department of Zoology, Aligarh Muslim University

Total No. of Attendees: 72



March 06, 2021 – Webinar on “**Plant & 3Ds (Diet, Disease and Disaster)**” was delivered by **Dr. Subhra Chakraborty**, FNASc, FNAAS, FASc, J C Bose National Fellow, Director National Institute of Plant Genome Research, Jawaharlal Nehru University, New Delhi

Total No. of Attendees: 64



March 08 – 26, 2021 - Science Foundation and MoE-IIC-DDUC Chapter Deen Dayal Upadhyaya College, University of Delhi, New Delhi (Under the aegis of DBT Star College Program) Jointly Organized **Fifth Joint Science Academies Lecture Workshop (Online)** on **"Trans-disciplinary Areas of Research and Teaching by Shanti Swarup Bhatnagar (SSB) Awardee"**.

March 08, 2021: Webinar on **"Bootstrapping the quantum world"** was delivered by **Dr Aninda Sinha**, SSB Awardee - Physical Sciences 2019, Centre for High Energy Physics, Indian Institute of Science, Bangalore, Karnataka

Total Number of Attendees: 110



March 09, 2021: Webinar on **"Grasping Cells"** was delivered by **Professor G.K. Ananthasuresh**, SSB Awardee - Engineering Sciences 2010, Department of Mechanical Engineering, Indian Institute of Science, Bangalore

Total Number of Attendees: 70



March 10, 2021: Webinar on **"Next generation drugs and vaccines against tuberculosis"** was delivered by **Dr Dhiraj Kumar**, SSB Awardee - Medical Sciences 2019, Cellular Immunology Group, International Centre For Genetic Engineering And Biotechnology, Aruna Asaf Ali Marg Jawaharlal Nehru University, New Delhi

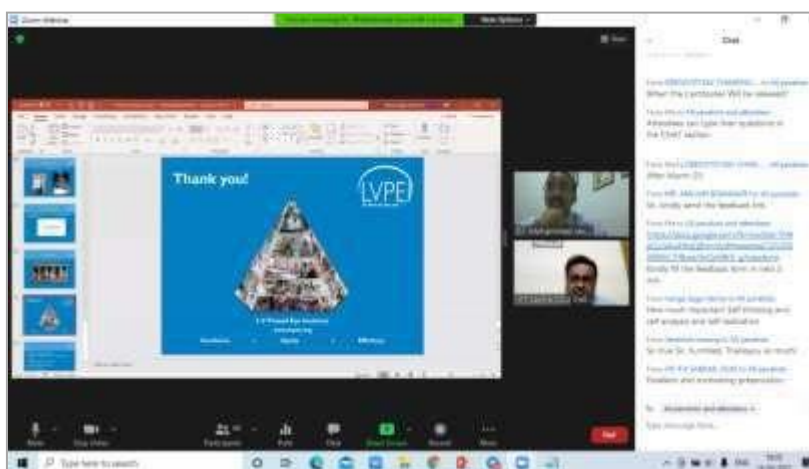
Total Number of Attendees: 72



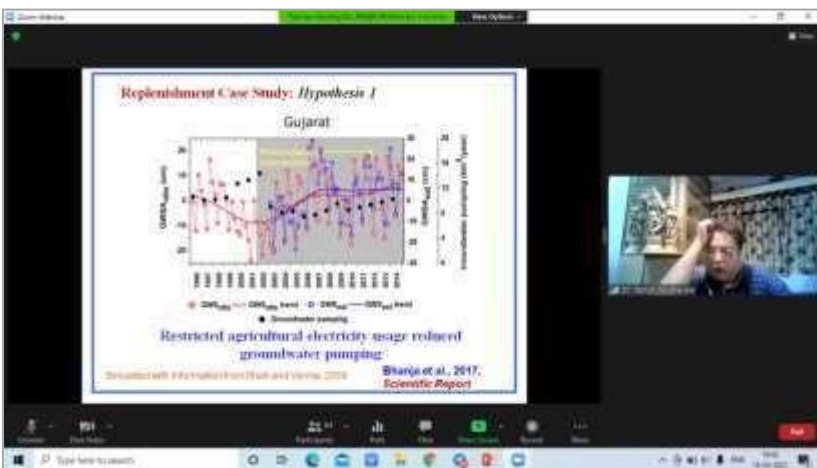
March 12, 2021 – Webinar on “**Do the fundamental constants change with time?**” was delivered by **Professor Nissim Kanekar**, SSB Awardee - Physical Sciences 2017, DST Swarnajayanti Fellow, National Centre for Radio Astrophysics (NCRA), Tata Institute of Fundamental Research (TIFR), Pune, India.
Total Number of Attendees: 72



March 15, 2021 – Webinar on “**A Dozen things I learnt in my journey**” was delivered by **Dr. Mohammad Javed Ali**, SSB Awardee - Medical Sciences 2019, HEAD, Govindram Seksaria Institute of Dacryology (GSID), L.V. Prasad Eye Institute, Hyderabad.
Total Number of Attendees: 40



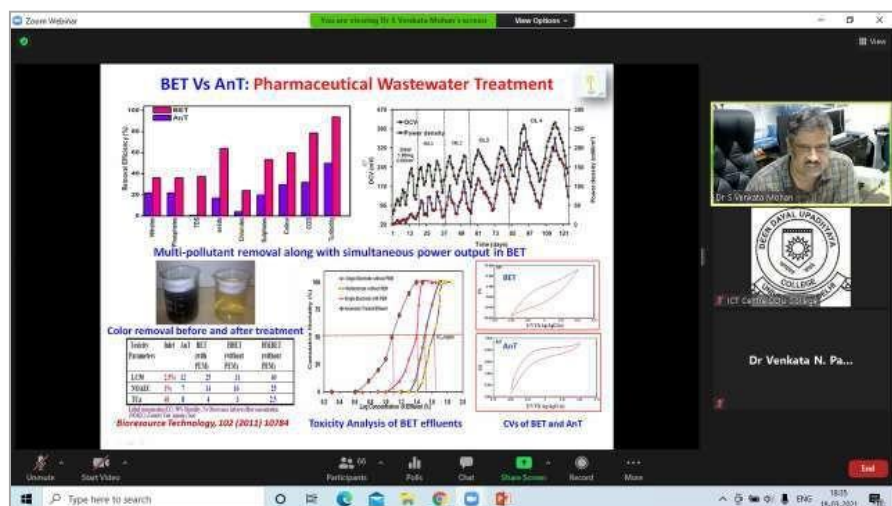
March 16, 2021 – Webinar on “**Delineating Groundwater for future of India :where science meets human practices and policy interventions**” was delivered by **Dr. Abhijit Mukherjee**, SSB Awardee - Earth, Atmosphere, Ocean and Planetary Sciences 2020, Associate Professor (Hydrogeology), Dept. of Geology and Geophysics, School of Environmental Science and Engineering, Indian Institute of Technology Kharagpur (IIT KGP), West Bengal.
Total Number of Attendees: 55



March 17, 2021: Webinar on “**Twisted Matter**” was delivered by **Professor Vijay B. Shenoy**, SSB Awardee - Physical Sciences 2013, Centre for Condensed Matter Theory, Department of Physics, Indian Institute of Science, Bangalore
Total Number of Attendees: 62

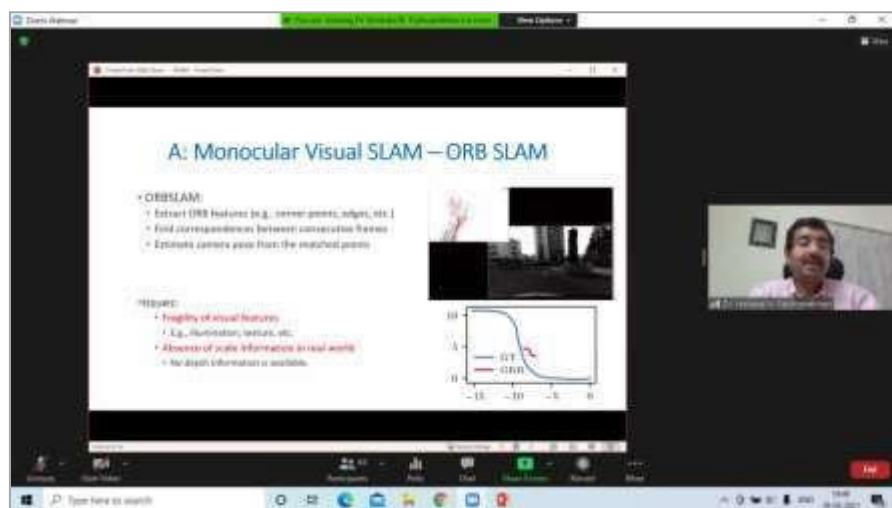


March 18, 2021: Webinar on “**Reengineering Waste Management**” was delivered by **Dr S Venkata Mohan**, SSB Awardee - Engineering Sciences 2014, Senior Principal Scientist and DBT-Tata Innovation Fellow, Professor, AcSIR-Bioengineering and Environmental Sciences Lab, Deptt. of Energy and Environmental Engineering, CSIR-Indian Institute of Chemical Technology (CSIR-IICT), Hyderabad
Total Number of Attendees: 58



March 18, 2021 – Webinar on “**HAMS: Harnessing AutoMobiles for Safety**” was delivered by **Dr Venkata N. Padmanabhan**, SSB Awardee - Engineering Sciences 2016, Principal Researcher, Microsoft Research India, Microsoft Research India, Bangalore-560001.

Total Number of Attendees: 58



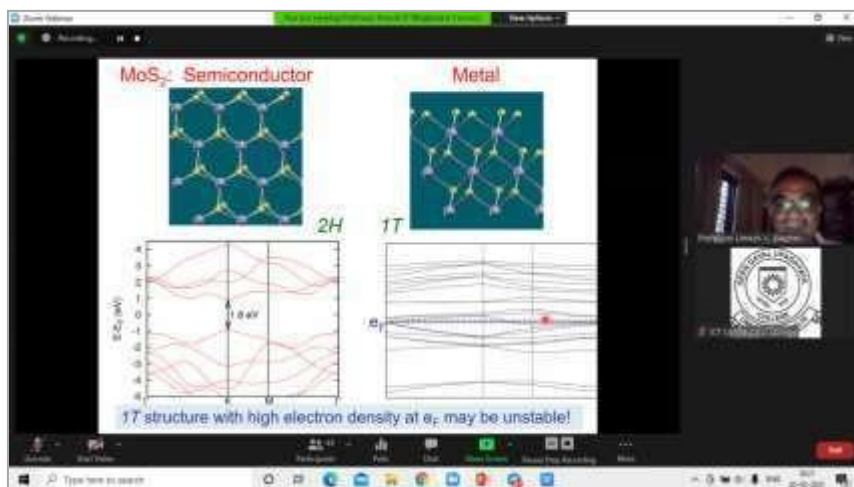
March 19, 2021 – Webinar on “**Telomerase Reactivation - the 'Achilles Heel' of Cancer**” was delivered by **Dr. Shantanu Chowdhury**, SSB Awardee - Biological Sciences 2012, Senior Fellow, Wellcome Trust/DBT India Alliance, Professor, Academy of Scientific and Innovative Research, CSIR-Institute of Genomics and Integrative Biology, New Delhi.

Total Number of Attendees: 41



March 20, 2021 – Webinar on “**Ferroelectricity at Ultimately Small Scales**” was delivered by **Professor Umesh V. Waghmare**, SSB Awardee - Physical Sciences 2010, J Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore.

Total Number of Attendees:
51



March 22, 2021 – Webinar on “**Fascinating world of carbon nanomaterials**” was delivered by **Dr Kinshuk Dasgupta**, SSB Awardee - Engineering Sciences 2020, Materials Group, Bhabha Atomic Research Centre, Mumbai, Maharashtra

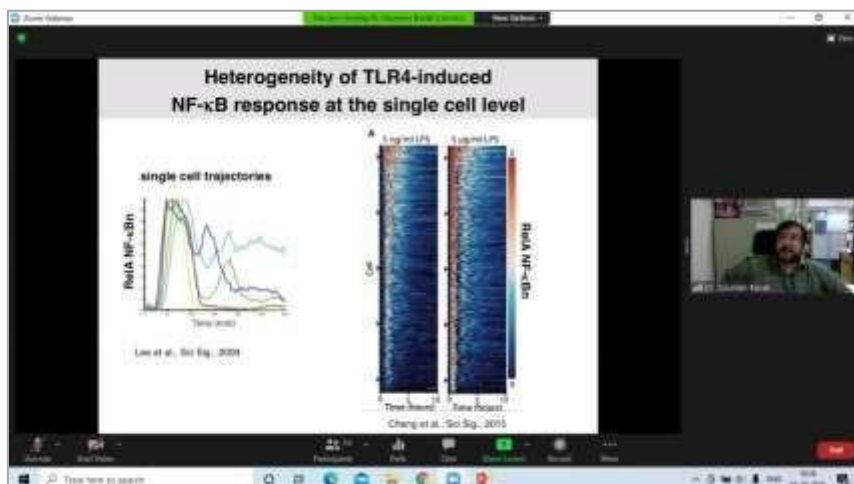
Total Number of Attendees: 54



March 23, 2021:

Webinar on **"Probing signaling crosstalk between NF-kappaB-activating pathways"** was delivered by **Dr. Soumen Basak**, SSB Awardee - Biological Sciences 2019, Systems Immunology Lab, National Institute of Immunology, New Delhi

Total Number of Attendees: 50



March 24, 2021:

Webinar on **"Organic Chemistry as a Tool For Nucleic Acids Directed Therapeutics"** was

delivered by **Professor Jyotirmayee Dash**, SSB Awardee - Chemical Sciences 2020, School of Chemical Sciences, Wellcome Trust DBT Indian Alliance Senior Fellow

Indian Association for the Cultivation of Science, Jadavpur, Kolkata-700 032, India

Total Number of Attendees: 50

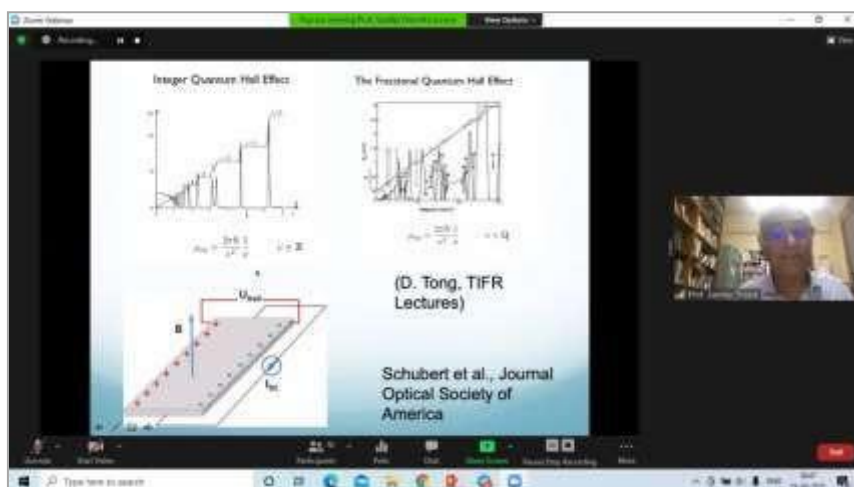


March 25, 2021:

Webinar on **"The Entanglement Frontier"**

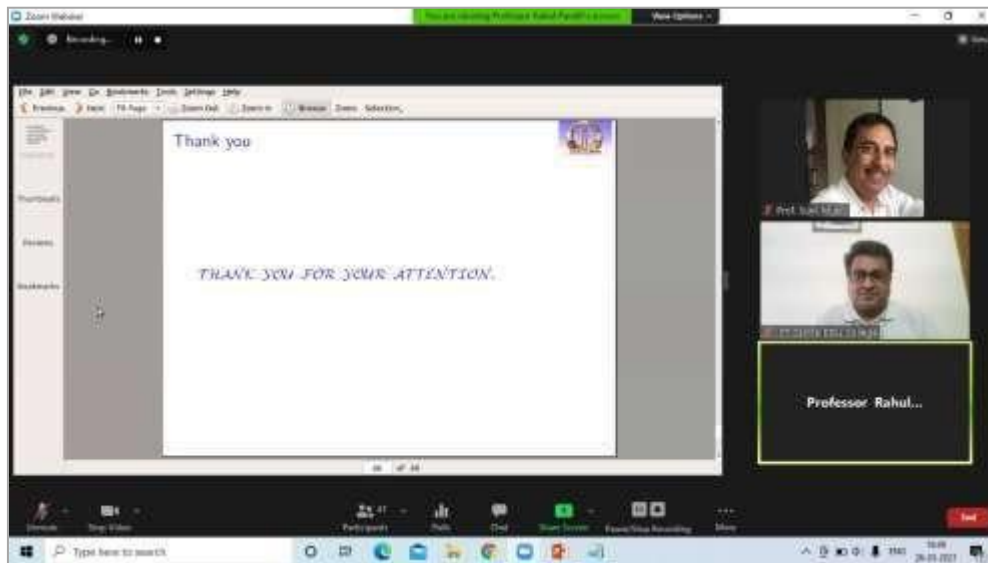
was delivered by **Prof. Sandip Trivedi**, SSB Awardee - Physical Sciences 2005, Dept. of Theoretical Physics, Tata Institute of Fundamental Research, Mumbai.

Total Number of Attendees: 62



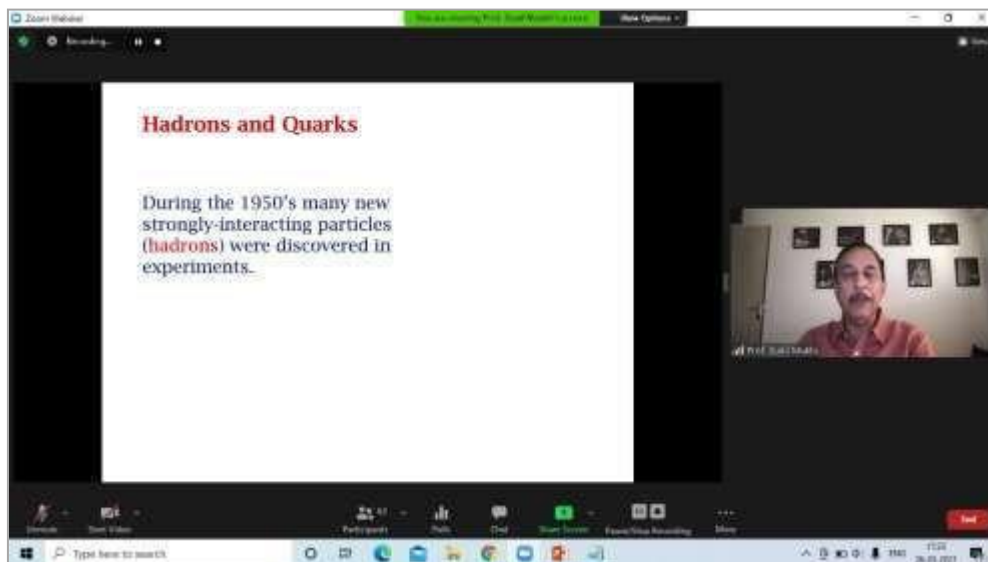
March 26, 2021 – Webinar on “**Cardiac Arrhythmias: What can we learn from Mathematical Models of Cardiac Tissue?**” was delivered by **Professor Rahul Pandit**, SSB Awardee - Physical Sciences 2001, Department of Physics, Indian Institute of Science, Bangalore

Total Number of Attendees: 53



March 26, 2021 – Webinar on “**Remarkable Outcomes of Mathematical Physics**” was delivered by **Prof. Sunil Mukhi**, SSB Awardee - Physical Sciences 1999, Indian Institute of Science Education & Research, Pune, Maharashtra

Total Number of Attendees: 53



Indian Institute of Remote Sensing (IIRS), Indian Space Research Organisation (ISRO), Dept. of Space, Govt. of India - DDUC Centre

Online courses carried out by IIRS-DDUC Chapter under Distance Learning Programme of Indian Institute of Remote Sensing (IIRS), Indian Space Research Organisation, Dept. of Space, Govt. of India

Name of Add on /Certificate programs offered	Course Code	Dates	No. of students Registered
Application of Geoinformatics in Ecological Studies	IIRS-60	July 13 - 24, 2020	22
Satellite Photogrammetry and its Application	IIRS-61	June 29 - July 03, 2020	161
Geospatial Inputs for Enabling Master Plan Formulation	IIRS-62	July 27 - 31, 2020	01
Remote Sensing Applications in Agricultural Water Management	IIRS-63	August 03 - 07, 2020	22
Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System	IIRS-64	August 17 – November 20, 2020	20
Remote Sensing and Digital Image Analysis	IIRS-65	August 17 – September 11, 2020	23
Global Navigation Satellite System	IIRS-66	September 14 - 25, 2020	29
Understanding of Coastal ocean processes using Remote Sensing and Numerical Modelling	IIRS-67	September 21 - 25, 2020	13
Geographical Information System	IIRS-68	September 28- October 15, 2020	10
RS & GIS Applications	IIRS-69	November 02 - 20, 2020	06
Remote Sensing of Land Degradation	IIRS-70	December 01- 07, 2020	132

Advances in SAR-Polarimetry & Interferometry	IIRS-71	December 14 - 18, 2020	98
Basics of Geocomputation and Geoweb Services	IIRS-72	October 19 - 29, 2020	05
Overview of Geoprocessing using Python	IIRS-73	January 18 – 29, 2021	04
Satellite based Navigation: A Journey from GPS to Mobile phone platform	IIRS-74	March 01 - 12, 2021	03
Geoinformatics for Disaster Management	IIRS-75	April 05 - 16, 2021	05
GIS for Supply Chain Management	IIRS-76	April 26 - 30, 2021	19
Geospatial Technology for Archeological studies	IIRS-77	May 17 - 21, 2021	06
Earth Observation for Carbon Cycle Studies	IIRS-80	June 21 - 25 2021	50
Overview of Web GIS Technology	IIRS-81	June 21 - July 02, 2021	16
Space Technology and its Applications	1011	January 11, 2021	14
Earth Observation based Mapping, Monitoring and Modelling of Landslide: Recent trends and support to early warning system	1014	April 21, 2021	01
SAR Data Processing	5006	May 07 – May 28, 2021	01

DEEKSHARAMBH – STUDENT INDUCTION PROGRAM

November 18-21, 2020

The transition for a student from school environment to college is an important landmark in his/her life. A student enters this phase with a mix of emotions of anxiety, curiosity, nervousness and excitement. The main purpose of Deeksharambh, Student Induction Programme, is to help the new incumbents adjust and feel comfortable in the new environment, inculcate in them the ethos and culture of the institution, help them build bonds with other students and faculty members. Along with this is the broader objective to expose them to a sense of larger purpose and self-exploration. Due to the pandemic this year, the Deeksharambh program was organized online from November 18 - 21, 2021 where Prabhu Amogh Lila Das ji graced the occasion with his benign presence and guided the students with his words of wisdom. Our principal, Dr. Hem Chand Jain, addressed the students and apprised them of the institutional policies, processes, practices, culture and values. Students were then informed about the sports, ICT, Library, Boys hostel and Girls hostel facilities in the college. The common orientation program organized in two sessions on November 18, 2021 was attended by 582 and 590 students respectively. Dr. Poonam Kasturi, Convener Academic Development Committee extended the vote of thanks.



All the societies and clubs of student activity board (SAB) held their respective induction programs as per the schedule where the students were exposed to the mission and vision of the societies along with the various activities organized and their achievements. Each and every session was attended by students in large numbers.



All the departments of the college also held their induction program with their respective students with the objective to build the new students network with fellow mates, seniors and faculty in a sensitive way while focusing on inclusivity through presentations about the general information of the department, faculty, course curriculum, Time table , Subject Society Activities, infrastructure etc. To extend heartiest welcome to all beginners, cultural program were organized by the departments with astounding lyrical, dance and musical performances by second year and final year students. Departments organized online lectures, alumni meet, Alumni lectures, quiz or skill enhancement programs involving the alumni as part of the week long Deeksharambh program.

The week long induction program covered a number of different aspects (SAGE), Socializing, Associating, Governing and Experiencing in which a total of 24 sessions were organized and each session was attended by students in large numbers. An average of 500 students was present in all the sessions. All the faculty members made sure to bless and wish the newcomers for their new journey of life with the vision that “Your Dream Our Mission”.

ACTIVITIES ORGANIZED BY STUDENT ACTIVITY BOARD (SAB)

SANGYAAN – THE QUIZ SOCIETY

SANGYAAN, the quiz society of the College under the Convener-ship of **Dr. Renu Solanki** and Co-Conveners **Dr. Deepak Jain** and **Dr. Shaily Anand** organized the following events during 2020-21:

November 21, 2020: Sangyaan – Conducted the orientation program and the induction quiz for the first year students on 21st November, 2020 from 11:30 onwards. It was conducted through the online video conferencing platform Zoom which was attended by more than 300 students of the College of different courses. Students were apprised about the objective of inclusion of Society in Student Activity Board, the Mission and Vision of the Society, quizzes conducted last year within the campus and outside the campus and achievements of the students.



December 11, 2020: Sangyaan, the quiz society of Deen Dayal Upadhyaya College conducted its RECRUITMENT QUIZ for the first year students on 11th December, 2020 from 4:00 pm onwards. It was conducted through the online video conferencing platform Zoom. The event was attended by more than 50 students.



January 30, 2021: Sangyaan, the Quiz Society of Deen Dayal Upadhyaya College conducted their first intra-college quiz of the 2021 season on 30th January 2021. The event was promoted through several mediums resulting in a wide reach across the college. We received more than 60 registrations and a high level of enthusiasm was shown.



February 28, 2021: Sangyaan, The Quiz Society of Deen Dayal Upadhyaya College conducted Deen Dayal Upadhyaya College (DDU memorial) **India Quiz** (Inter-College) on 28th February, 2021. More than 100 online registrations were received from all across India mapping Guwahati in north-east to Trivandrum in south to parts of Rajasthan in the west and Jammu in the north. 55 teams participated in the quiz from more than 18 colleges.





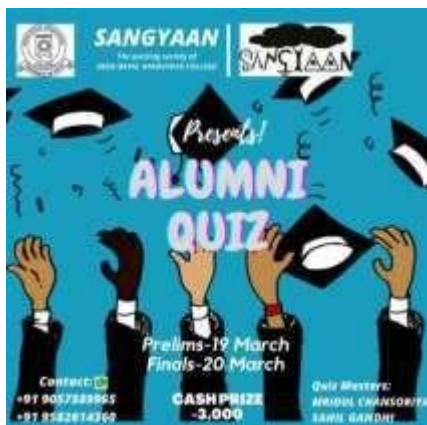
Deen Dayal Upadhyaya College, University of Delhi

Sangyaan-The Quiz Society Student Activity Board

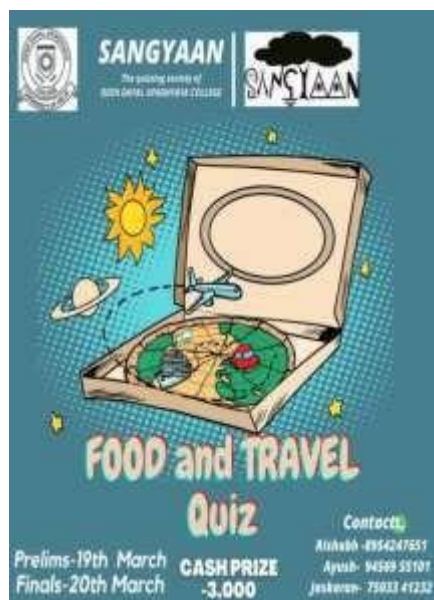


March 19 - 20, 2021: Sangyaan, The Quiz Society of Deen Dayal Upadhyaya College hosted an intra-college "ALUMNI QUIZ" in two phases preliminary and finals on 19th & 20th March 2021 on Google forms and zoom meeting respectively. The quiz was conducted by the alumni of the college, Mridul Chansoriya, Alumnus of Department of Chemistry (Batch 2017-2020) and Sahil Gandhi, Alumnus of Department of Zoology (Batch 2017-2020). More than 30 teams from different departments of the college participated in the quiz. These kinds of activities provide a platform for the interaction of current students with the alumni of the college.

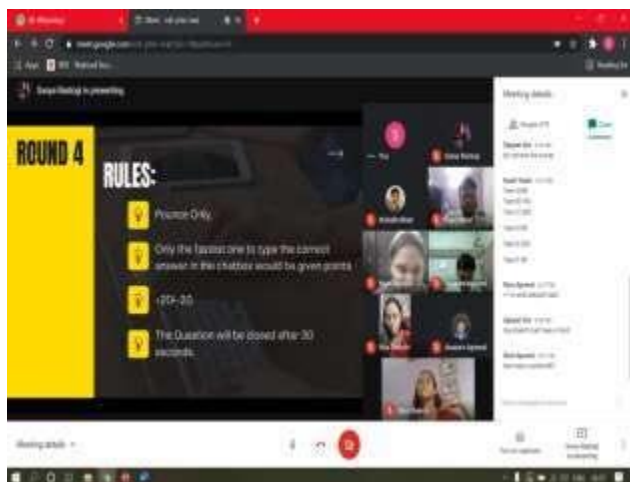




March 19 - 20, 2021: Sangyaan, The Quiz Society of Deen Dayal Upadhyaya College conducted an online "Intra College Food and Travel" quiz in two phases preliminary and finals on 19th & 20th March 2021 on Google forms and zoom meeting respectively. More than 50 online registrations were received and 30 teams participated in the quiz from different courses of the college. After the first phase, the preliminary round only 6 teams qualified for the finals and finally the top three declared as winners.



March 21, 2021: Sangyaan, The Quiz Society of Deen Dayal Upadhyaya College conducted an Inter-College , Business-Finance Quiz on 21st March, 2021 from 12 noon in an online mode. We reached a record number of registrations as 235 different teams participated from various colleges around the world. Thanks to our brilliant marketing / Promotional efforts by the society as a whole. The preliminary round was presented via a Google form and helped us crop down the 235 teams to the top 6 teams. It was a highly competitive preliminary round which required a lot of time to check and select the worthy teams to the final. There were two rounds in the quiz. The Second round was held on a Google Meet in order to make it more interactive and competitive. The Finale was a neck-to-neck marathon consisting of 4 rounds in order to select the top 3. We received promising remarks by the participants after the quiz was over.



WOMEN DEVELOPMENT CELL

Women Development Cell of the College organized the following events during 2020-21:

- October 15, 2020:** Organized a webinar on "**Breast Cancer Awareness**" by **Dr. Mala Srivastava** senior consultant of the Gynae department at Sir Ganga Ram Hospital, New Delhi
- August 09, 2020:** In collaboration with "**Pratisandhi**" WDC organised a webinar on "**Sexual Abuse - Identification and Response Channels**" with **Ms. Simran Nanda** and **Ms. Anjika Singh** as speakers.
- November 21, 2020:** WDC conducted an online workshop on "**Domestic Violence Bystander**" in collaboration with the '**Global Shapers Community New Delhi Hub**' and knowledge partner '**Women of the Elements Trust**'.

- **November 09, 2020:** WDC conducted an online session on **financial literacy** under the name of **"Be Your Own Laxmi"** in collaboration with **"Be.arsty"**.
- WDC DDUC initiated a series of **instagram posts** to create awareness that **"Women Can Master Everything"**, be it Entrepreneurship.
- Several **videos** were created by WDC for its **youtube channel** to communicate vision, values to the common people and create awareness among the masses with a full series on feminism, feminism uncovered, gender roles and stereotypes, women behind successful men etc
- WDC, DDUC, conducted a survey on Domestic Violence with the target the younger population of the society
- **EXPRESSO**, a one minute video making competition was conducted by WDC DDUC on the theme of - **What does Equality mean to you?**
- **SRIJANIKA'21**- The Annual Fest was organised comprising different events including The Face Hues, Expressions, Sutter Up, Music Performance, Open Mic, Theme Presentation etc.

COLLABORATIONS

- Women Development Cell, DDUC collaborated with various NGOs, Female startups last semester and received a letter of recommendation for a fruitful collaboration from SHLC.
- WDC, DDUC collaborated with **"Pratisandhi"** - a youth-led non-government organization started in 2018 to provide a safe space where young minds could be educated on sexual health.
- Women development cell also collaborated with T.A.P. magazine- an e- magazine, an initiative by the team of 2Pixeld and StoryToUnite to make people conscious about the environment.

BLOGS

- The Unknown Exceptional - Indian women in science we have no clue about: Written by - Soumya Bishit, Member of Women Development Cell, DDUC
- Sex Education: Written by - Ashna Khandodia DDUC.
- Menstruation: Written by - Yashika Kathuria, WDC Member.
- Let Women be Angry - The Power of Rage: Written by - Riya Narang.
- Women and Social Justice: Written by - Riya Chaudhary
- Domestic Violence - The Virus inside our Homes: Written by - Disha Sharma.
- Breaking the Glass Ceiling: Written by - Rashi Pandey.
- Female Genital Mutilation: Written by - Soumya Bishit.
- Unfolding Valorous - The Ages of Women Leadership: written by - Richa Pal.

VOICES - DEBATING SOCIETY DDUC

February 12 - 14, 2020: Annual Parliamentary Debate - Vitark'21: Voices - The Debating Society of Deen Dayal Upadhyaya College, University of Delhi hosted the sixth edition of its Annual Parliamentary Debate - Vitark'21 on February 12 – 14, 2021. It was a 2 on 2 modified Asian Parliamentary Debate with 5 preliminary rounds and 3 closed rounds. The tournament was conducted in a virtual mode (online) and witnessed participation from colleges all over India including some international participation as well. The debates of the tournament revolved around topics like Feminism, Equality, Politics, Economics, International Relations, Human Rights among others. Team from Ambedkar University and OP Jindal Global University Cross (Ishaan Chaudhary, Prathik Karthikeyan) won the tournament. Apala Mandal from Lady Sri Ram College was the judged the best adjudicator. The tournament was one of the biggest editions of Vitark and saw highest participation this year and was appreciated by all the participants and societies.

RAAGA - THE DANCE SOCIETY

- **November 19, 2020:** Raaga conducted an online Orientation program on Zoom for the first year students on the 19th of November, 2020 which was overwhelmingly attended by the newly admitted students and their queries regarding the Society were answered by teacher/student members of the committee.
- **December 10, 2020:** An audition to induct new members to the society was held online on 10th December, 2020.
- **February 2021 First week:** Second audition program was organized online during the first week of February, 2021 for the benefit of students who took admission late.
- The members of the society participated in various events. Some of them are
 - ❖ Rev Up Dance Competition, Shaheed Bhagat Singh College (SBSC) on 6 February, 2021;
 - ❖ Footloose Competition, Janki Devi Memorial College (JDMC) on 14 February, 2021
 - ❖ Manifest - Varchasva, IIM – Lucknow on February 15, 2021 etc.
- **January 17, 2021:** A workshop on Street style dance by Yashish Sehrawat was organized.
- **January 31, 2021:** A workshop on Contemporary dance was held with Akshay Bharadwaj.
- Besides these, routine online practice, warm-up and grooving sessions were held thrice a week on Tuesdays, Thursdays and Saturdays.
- From February 2021, offline practice sessions were held from 10:00 am to 4:00 pm on all working days at DDUC campus.

RHAPSODY – THE MUSIC SOCIETY

The society conducts regular training sessions to cultivate the abilities of inquiry, decision-making and critical thinking amongst the students covering both Practice Debates as well as Case-preparation.

- **November 20, 2020:** The society began this year's activities with an online orientation on 20th November 2020 in which students across all courses and years joined in to show their interest and enthusiasm for music.
- **November 27, 2020:** The audition to induct new members was conducted online in two rounds. In the first round, on 27th November 2020.
- **December 07 - 08, 2020:** Second round of auditions were held on 7th and 8th December, 2020. The shortlisted candidates performed live on video conference.
- **February 17, 2021:** The society organized numerous virtual sessions on 17th February 2021. The members of the society participated in several competitions and won laurels for the college.

DATA ANALYTICS CLUB

March 20, 2021: The Data Analytics Club organized a two hour session on "**All about Data Science Projects**", on 20th March 2021 from 10 am to 12 noon, which was conducted by **Dr Mohit Kumar Goel**. He is an IIT Kharagpur graduate and holds Ph.D degree from EPFL Switzerland. Presently he is Associate Vice President in Info Edge and has more than a decade long experience in IT industry. In his lecture he deliberated upon What is Data Science?, Its Workflow, Design Thinking Approach for Data Science. He also presented two case studies of "Search Personalization" and "Query Auto Complete" in a very lucid manner. He also shared his wisdom about "How to start a career in Data Science", which was very useful for the students. The session was attended by 9 faculty members and 42 students.



ESCAPADES - ADVENTURE CLUB

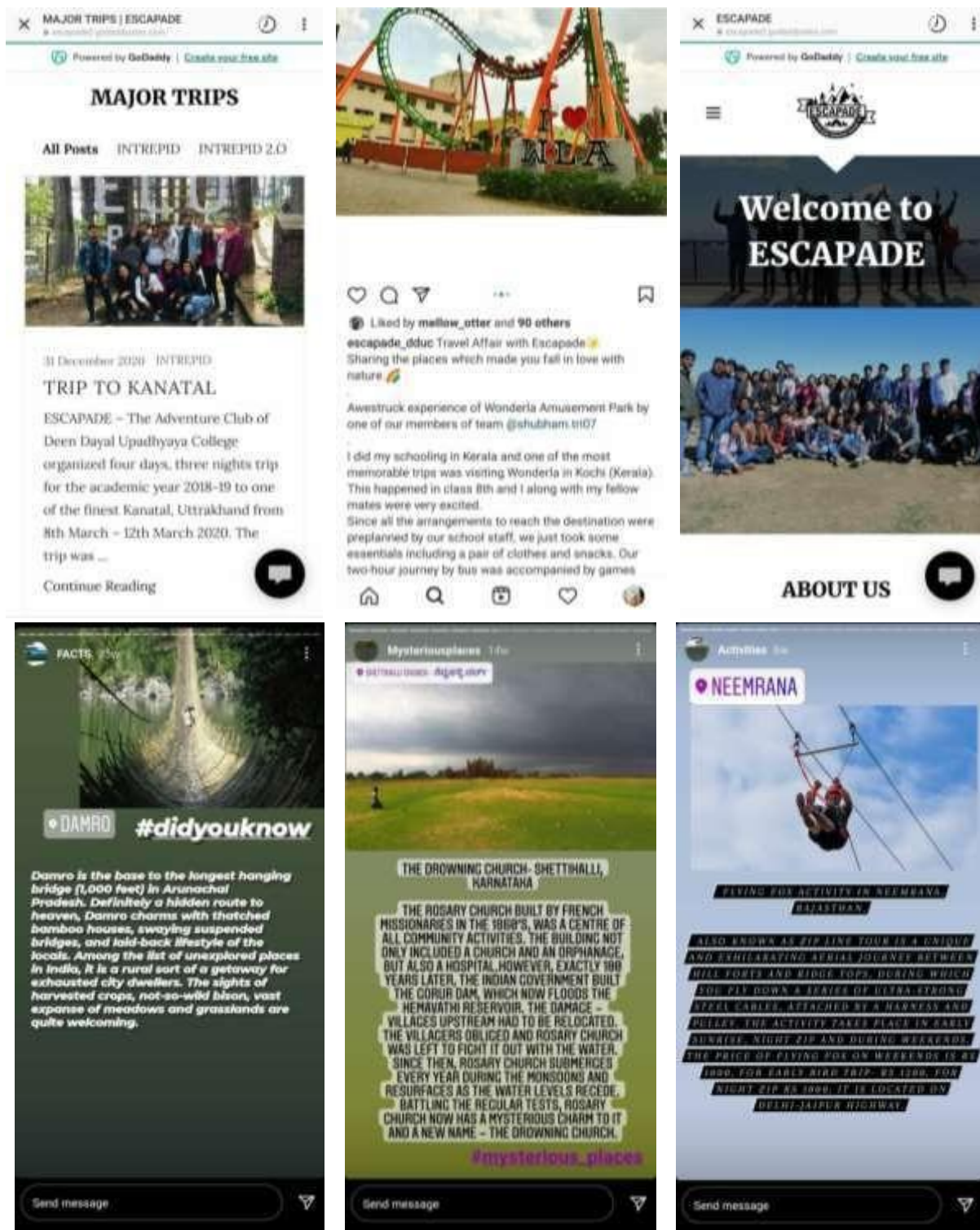
January 10, 2021: Health is truly an approach to life and keep chasing this goal is what makes it an art. Stirring everyone with the resolution of 2021, ESCAPADES - The Adventure Club of Deen Dayal Upadhyaya College, organized the **"Fitness Challenge"** for students to take a step towards treasuring their health by creating their own challenges and overcoming them. Due to the outburst of the pandemic, the event had to be organized virtually but it did not let our valiant participants to step back from showcasing the glory of their hard work. The event began with the spreading of the pamphlets through Whatsapp and Instagram depicting the whole information regarding the event along with its motto of **"Health is Wealth"**. The mere announcement of the challenge in the social platform filled the entire college with an enthusiastic wave and the students started storming in to fill the participation forms which was again organised online through Google forms. The participants had to prepare a video of them undertaking any fitness task within the time limit of 59 seconds. A total of 33 students participated displaying their potential. People performed several tasks as yoga asana, skipping, planks, crunches, push-ups, weight lifting, running and many more complex forms of exercises. The challenge was restricted to only the students of DDUC in the very first stages, but with time the council decided to open it for all the college students across India. The spotlight of the earlier entries were stolen by the boys with their charming performances reaching its own perfection, but with the unfolding of the event girls turned out to give full competition to the boys. The judges of the event were the core members of Escapade and the teacher convener of the club – Dr. Arpita Sharma. The winning decision was based on the critical judgment of the judges and the number of likes in the form of support by the audience given to the participant's video. Finally on 20th January, 2021, the most awaited results were declared and the participants seizing the top three positions were: Vipul, BK Sunny and Aryan Rao respectively. The results along with the intermediate announcements regarding the progress of the challenge were made on Instagram in order to keep people updated with the current headway. The winners of the event were given exciting rewards. All the participants were provided with the certificate of participation to keep their will ignited in their hearts. The event conducted was very successful and kudos to the efforts of the members of the club.



To make it more utilizing and upgrading the level of Escapade, the core team planned to share the memorable travel affairs of different places with unique flavour of their own description in order to engage our social media platforms. Along with that, the team was able to launch the website



<https://escapade2.godaddysites.com/> as a gem to the crown on New Year to make sure it is digitally modernized.



On the road of social media and to keep the touristy spirits high, to explore various facts, mysterious places and other tourist spots Escapade kept on uploading things on a daily basis

socially. To unwind the beauty and wild thoughts of nature, the platform presented remarkable content to encourage young minds to look adventure through a different perspective.

CAREER COUNSELING AND PLACEMENT CELL (CCPC)

Final Placement and Internships: During the academic session 2020-21 organizations like Willis Tower Watson, Jaro, Chegg, TresVista, ICICI prudential, Wipro, Startup CA, Mckinley and rice, CX Ventures, NatWest Group (RBS), Digiversal, L&T Constructions, Decathlon Sports India, WrittenlyHub, DE Shaw, Genpact, Eash, Reading Right, Evangel Publishing, EY GDS, Cvent, Drishti IAS, Vitana Private Limited, Optum, FIS - Google process, Vahdam by seekho associated with our college and offered final placements to 50 students. Final result of a few of the companies is yet to come.

More than 150 students got internships in leading companies. Result of few companies is still awaited.

To facilitate students, the placement cell organized following workshops, seminars, career counseling and training sessions by prominent resource persons.

- 1) **May 19 - 20, 2020:** The Placement Cell successfully organized its first ever **Virtual Internship Fair 2020**. There were 35+ companies on board providing 50+ diverse profiles like - App Development, HR, Data Analytics, Marketing and Sales, etc.
- 2) **May 26, 2020: KVCH** conducted a webinar on **Business Communication**. KVCH is the largest training provider in the industry. KVCH specializes in providing Information Technology and Management Training. The webinar entailed insights on the following:
 - Body Language Basics
 - Business Etiquettes
 - Business Writing
 - Goal Setting and Getting things done
 - Job Search Skills
 - Interview Skills
 - Time and Stress Management
 - Email Writing
 - Presentation Skills

The speaker for the webinar was **Ms. Aparna Saxena** who is a Senior Corporate Trainer. The webinar was open to all the courses and years. We had an overwhelming response and saw a footfall of 80+ students. The students were also provided with e-certificates. It was an interactive session and ended on a positive note.

- 3) **May 30, 2020: Younity** organised a webinar on **CV building**. Younity is a Pan-India Student Community that aims to build a team that can work together, learn together and grow together providing a means to catch hold the right opportunity for personality development. The speaker for the session was **Mr. Prafful Garg**, founder and CEO of

BOOKMYPG and YOUNITY. He has been dignified with the REX-Karmaveer GYLC Award 2019 (Institute by United Nations) at IIT-Delhi. He has been an impactful speaker at various events at Delhi University. 50+ students across different courses attended the session. The session was really informative and interactive and the students got an opportunity to build an exemplary CV.

- 4) **May 31, 2020: Younity** conducted its second session on **LinkedIn Profile Building**. The Placement Cell received numerous feedbacks about how unique this session was and helped students a lot in making an ideal LinkedIn profile.
- 5) **June 08, 2020:** The Placement Cell conducted a session on GD-PI Preparation for all the courses and years. The key topics covered were
- How to Ace GD-PIs
 - Online Interview
 - Video Resumes

The speaker for the webinar was **Mr. Daksh Sethi**. He has been known for connecting with the Student Community in a very engaging manner. He is an expert in Life Coaching, Career Counseling, Body Language Training, Group Discussions and Personal Interview Training. He believes in an extremely practical approach to his Mentorship and Consulting Sessions. 40+ students registered for the webinar and found it really insightful.

- 6) **June 12, 2020:** The Placement Cell in association with **Non Engineers** conducted a **Q&A Session to get real insights on CAT Preparation**. The students were asked to post their queries related to DU, CAT and IIMs and **Ms. Shweta Arora** solved their queries on the Non Engineers portal. She is a B.Com (H) graduate from KMC and scored 99.09 percentile in CAT. She joined IIM-A, Batch of 2018-2020 and has won 4 National Case Study Competitions at IIM-A. We got 18+ responses from various courses.
- 7) **July 04, 2020:** A knowledgeable webinar was conducted by **Mentorship Series** on **Case Interviews & Guesstimates**. The students got insights on
- Introduction to Case Interviews/Guesstimates
 - Different approaches to solve Guesstimates
 - Profiles Building and Value of Certifications

Mr. Akshay Kumar Sirsalewala, IIM Kozhikode graduate and certified CA, FRM charter-holder who has cleared all levels of CFA and working in PwC US as Advisory Consultant was the speaker along with **Mr. Utkarsh Kumar**, IIM Kozhikode merit scholar and an IIT Guwahati graduate. The highlight of the webinar was that some of the guesstimates were solved live in the session. The response was really good with 80+ students attending and solving the guesstimates.

The Placement Cell aims to offer informational and placement assistance to students who are looking to start their careers in a short period. With the aim to develop the students, we aim to conduct more webinars and sessions and learn from the speaker's experience and what they have to offer. To emphasize on this, The Placement Cell had planned to conduct a series of webinars - ALUMNI CONNECT. In this initiative, alumni of our college were invited as speakers in the webinars and they shared their journey, career path and experience from which the current batches of students could learn and seek knowledge.

- 8) **July 11, 2020:** The Placement Cell conducted its first alumni connect webinar **—Understanding Career in Banking** with **Mr. Sanjeev Mehta**, Managing Director, Standard Chartered Bank. Graduated from DDUC (B.Com Hons) **batch of 1995**, he pursued his career in the banking sector and now has 25+ years of experience in the industry. Students enrolled in good numbers as this is a very relevant industry experience for all students and it was highly interactive.
- 9) **July 19, 2020:** We invited **Mr. Jagrit Karmani (Batch of 2012)** for '**Professional Career in Accountancy**' webinar. He is an accounting professional from Institute of Chartered Accountants of India and Institute of Cost Accountants of India. Working in the management consulting industry for 3+ years now, he excels in Auditing and Taxation. He has also been a part of two Big4 companies. All commerce students and CA students participated actively. He shared industry insights and shared his career path with the students.
- 10) **July 26, 2020:** Most students are CAT aspirants be it a commerce student or a science student. For **Guidance and Insights of CAT Preparation**, The Placement Cell invited **Ms. Muskan Choudhary (Batch of 2019)** who scored 98.12 percentile in CAT and into IIM Udaipur. She cleared all the new IIMs while working in Ernst & Young as Assurance Associate. Students participated in high numbers as it was very relevant and students could relate to her journey and learn from her experience. She shared her preparation strategies and valuable career insights and also took questions from the attendees making it a very interactive session for the students.
- 11) **August 02, 2020:** The Placement Cell hosted **Mr. Ankur Chaturvedi (Batch of 2003)** who enlightened the students about **Future Ventures**. He has worked in Infosys, American express, HSBC, etc. He is a TEDx Speaker, currently pursuing PhD from Florida based University in meditation and psychoneurotic. The webinar was conducted on New Normal, Emerging Disciplines and Impact of AI on civilization. The speaker engaged the attendees in a few activities introduced by him, making it a very actively participated webinar.
- 12) **August 16, 2020:** The Placement Cell conducted a webinar on '**Leveling up Career in Finance**' in which we invited **Mr. Kaustubh Sharma (Batch of 2018)**. He is a CFA

Level 2 candidate and a finance enthusiast. He has previously worked in KPMG's Advisory practice as an Analyst for two years. He is NSE and BSE certified also. He shared his career path and professional choices he made during his career journey. He shared insightful knowledge about the finance industry and took questions about the same, answering doubts of participant students. He also gave brief information about the stock market which made the webinar very interesting. Students attended in good numbers. The session was very interactive.

- 13) **August 30, 2020:** The Placement Cell collaborated with **Prep Junction** to conduct an **Online Mock Test** for the final year students. The mock test was free of cost. Prep Junction, an initiative by IIM Alumnus, provides Aptitude Tests, Virtual Mock Group Discussion Sessions, Resume Evaluation and other services. It aims to offer career guidance and training programs to prepare students for their dream career. 140+ students registered for the test and got an idea of how to crack aptitude tests in the recruitment process. Students received a Performance Report and Answer Key after the test.
- 14) **September 16, 2020:** The Placement Cell in collaboration with **ReVidya** gave an opportunity to the students to book their slots for **Mock Interviews** for free to enhance their interview skills for the competitive corporate world. Revidya is a group of professionals led by BITS Pilani and DCE alumni. They are taking the initiative to support students appearing for placements by **assessing their English language skills** and preparing them through mock GD and interview sessions on their journey to become successful candidates. 35 students applied for the same.
- 15) **November 25, 2020:** The **Money Roller Team** organized a webinar related to present Economic Conditions and Financial Markets. The following topics were covered
- Analysis of the Current Economic Scenario and Preparing for a Finance Career Post-COVID Times
 - A brief about their upcoming live projects
- The speaker for the webinar was **Mr. Janak Shah (Co-Founder of The Money Roller)**. He is a Chartered Market Technician (CMT) by profession with core expertise in Algo Trading Strategies based on Technical Analysis and Derivatives. 70+ students attended the webinar from various courses majorly from commerce and management background. The session was really interactive and informative.
- 16) **January 31, 2021:** The Placement Cell conducted its **Annual Orientation Programme** virtually for the first and second year students and saw a footfall of many students from diverse courses of science, commerce and arts.

- 17) **February 21, 2021:** The Placement Cell conducted a webinar on "**How to get through an Ivy League University**" by **Hello Study Global**. The speaker for the webinar was **Mr. Naveen Rai** (Founder & Head Trainer at Hello Study Global). He has 11 years of industry experience, with careers in investment banking, IT, and the education sector. He has worked diligently in the field of Training & Development for the past 7+ years. 40+ students appeared for the same. Since the topic was different, the session was really interactive and students asked numerous queries.
- 18) **March 13, 2021:** The Placement Cell of Deen Dayal Upadhyaya College in collaboration with **GUS Global Services** conducted an **Online Career Assessment Test INSIGHT** for pre final and final year students. The aim was to give the students a chance to make the right career choice due to a plethora of opportunities. 100 students registered for the same and got a detailed analysis report and Unique Individual Development Plan on various parameters.
- 19) **April 05, 2021:** The Placement Cell, DDUC has entered into partnership with IBM SkillsBuild and CSRBOX to earn industry-relevant training and a golden opportunity to get lifetime access to a plethora of courses of their choice and that too free of cost. IBM SkillsBuild is a free access digital learning platform with more than 7500 learning activities from Coursera, Code Door, Udemy, Skillsoft, Google, etc. 180+ students registered for the online courses. On successful completion of certain courses, students can earn IBM certified badges and certificates which help them showcase the latest industry relevant skills that they have acquired.
- 20) **May 02, 2021: WealthVerse** conducted a webinar on **Financial Markets and various Career Opportunities**. WealthVerse is a startup with a vision to bridge the gap between the financial industry and college education. It aims at providing hands-on experience in the financial industry before landing into your first job in the finance domain, to crack interviews, or to climb up the career ladder. **Mr. Manish Bansal** (Founder of WealthVerse Pvt Ltd) was the prominent speaker for the webinar. The session was really interactive as most of the students in our college are interested in financial markets.
- 21) **May 16, 2021: Career Launcher** conducted a webinar on **Aptitude Building for Competitive Exams**. Career Launcher (CL) is Asia's leading education service provider and is led by a team of IIT-IIM alumni, who share a passion for education. Around 50 students attended the session and solved their doubts regarding the competitive exams. The session was very immersive. **Mr. Navneet Anand**, Head of MBA Prep Group Career Launcher was the speaker.

YAVANIKA – DRAMATICS SOCIETY

The session 2020-21 was indeed an exquisite and wonderful one for Yavanika - The Theatre Society of Deen Dayal Upadhyaya College.

- ❖ We began the session with virtual workshops through online medium which led us to virtual improvisations. This was followed by a very candid session held on **World Mental Health Day**, when all Yavanikans together answered some questions regarding their mental health during the lockdown.
- ❖ Yavanika produced „**Baatein**“- a **short-video series** based on conversations between people like you and us, some real; some imaginary.
- ❖ **December 6, 2020:** Our orientation, which was conducted on 6th December, 2020 started with the presentation of „**Jijivisha**“, an **online audio production**. It was also performed in **SRCC's annual theatre festival Histrionica** and also at **RLAC's Radio Play Competition**, where it bagged the **second position**.
- ❖ Yavanika also presented other **short video-based content**- „**Kabhi Naram, Kabhi Garam**“, „**They Know?**“ and „**Insta/Reality**“ at the orientation.
- ❖ **December 15, 2020:** The audition process for the new batch started from 15th December, 2020 and once it was completed, the training process started where they were introduced to the amazing world of theatre.
- ❖ **March 5 -6, 2021:** From January, we started our annual production, „**Baaki Itihaas**“, a beautiful play written **by Badal Sircar**, which was adapted under the directions of world-renowned **theatre director Mr. Gaurav Grover**, and was successfully performed in the college auditorium on 5th and 6th March, 2021. The team worked on creating visuals and designs for the play and building their characters. The entire process was challenging and hence fulfilling for the team as they tried to portray their characters truthfully.
- ❖ **April 08, 2021:** The play was also performed and presented in various theatre circuits. The team performed the play in **Akshara Theatre** on 8th April, 2021 at **AKS'21** organised by **Abhivyakti**, the theatre society of **Maitreyi College**, where it was awarded the **Best Production** and **Garvit Ahuja** from our team was declared the **Best Performer**.
- ❖ The play also won the award for **Best Production** at **Drishyantar'21** organised by **Samayantar**, the stage play society of **Maharaja Agrasen College**, where **Garvit Ahuja** again won the award for **Best Actor**.
- ❖ The play also got **second position** in **IIT Ropar**.
- ❖ Four members of our team participated in **Playhouse**, a **production competition** organised by **Sabha**, the multilingual theatre society of **St. Stephen's College**, where they bagged the **second position**. All of these experiences were extremely enriching and ecstatic for all of us.

- ❖ **May 01 - 02, 2021:** Yavanika organised its **theatre fest**, the third edition of **Mirage**, with a lot of gusto and enthusiasm. The fest was conducted entirely online and it lasted for two days, that is, 1st and 2nd May, 2021, and had competitions like Istoria- the monoact/monologue competition and Prastuti- the stage play competition.
- ❖ It was indeed an adventure, along with a year of many personal developments, growth and learning. We are all looking forward to the next year, seeing fresh faces and achieving many more things for the society, which is like a family in itself.

CODECHEF

CodeChef is a global platform where people who love to code or want to learn and improve on their problem solving skills come together to practice and compete. It was created as a platform to help programmers make it big in the world of algorithms, computer programming, and programming contests. It hosts many contests of its own and also allows us to conduct our own events on their platform. It has partnered and collaborated with many colleges and universities to open their chapters to get competitive programming into the mainstream.

DDUC CodeChef Chapter was established in October of 2016 with the intention of promoting competitive programming culture in our college. Through this chapter, each year we aim to encourage our students to improve their problem solving skills by conducting workshops, taking personal sessions and organizing various events.

Here is a list of the Events conducted for this year :-

1. **August 20, 2020: Quizzard (Quiz)** - This was the first event of the academic year 2020-21. The motive of the event was to promote Competitive Programming and encourage problem solving. MCQs based on basics of Competitive Programming were formulated. The event gave a good head-start to all the students, especially the freshers.
2. **Just Code It** – In this event Competitive Programming questions were set. The goal was to motivate students to learn Concepts of Programming and Competitive Coding. Students got an insight of various concepts and how to apply them.
3. **Introduction to Competitive Programming (Seminar)** – The aim of the seminar was to introduce students to the CodeChef Platform and Competitive Programming. Some sample problems were also discussed to familiarize students with the type of



questions given on the platform.



4. **January 03, 2021: Orientation Session** - This session was to introduce freshers to our CodeChef College Chapter and its Core Members. Students were also shared details of previously conducted as well as forthcoming events.
5. **Code Benders** - Every year CODE BENDERS is conducted on CodeChef as our event under the chapter in the annual technical fest, Tech Marathon. For the academic year 2020-21, 6 questions were formulated of varying difficulty from scratch using various concepts like DP, binary search, modular exponentiation and many more. We had 400+ registrations and participation from over 310 coders. It was a great success and a great learning experience.
6. **March 05, 2021: Tech Escapade** - It is a new event that we added this year to our annual technical fest, Tech Marathon. It was an online treasure hunt type of an event. It had 10 levels in all and answers to the current level served as keys for reaching the next level. 5 hints (without penalty) were also provided on the website along with 2 lifelines (with penalty) which the participants were free to use if they felt stuck at any level.

NSS

The year 2020 can be summed up as the 'Corona Year'. It took a tiny virus to become 'The Great Disruptor' and bring the world to a grinding halt.

The most evident outcome was of the world going online. Adapting to the circumstances, NSS DDUC too coped up with the new normal in the session of 2020-21. With the active participation of the volunteers and the effort to make this session effective, the following events were held successfully:

PROJECT CARE: The days of lockdown had been mentally very exhausting. The project was commenced in order to address the issue of mental health.

1. **Instagram stories-** Regularly stories were put up to ask questions regarding problems pertaining to their daily lives and well-being. We got good responses from different parts of the country.
2. **21 Days of Abundance-** In this challenge designed and prepared by Mr. Deepak Chopra, participants had to dedicate their half an hour daily for 21 days. Daily tasks were given on the WhatsApp group which was expected to be completed within 24 hours. Around 21 volunteers could make it to the end.
3. **World Mental Health Day (10th October 2020)-** To remove the stigma that shrouds mental illness, we organised a Mental Health Awareness Quiz on World Mental Health Day through our Instagram handle. It was our attempt to spread awareness regarding mental health.
4. **Mind Matters, A Workshop on Mental Well-being (24th April 2021)-** NSS DDUC, in collaboration with Art of Living, organised a webinar on „Mind Matters, a Workshop on Well-being“. It was an enlightening conversation with Ms. Illorika Aggarwal. She highlighted the importance of mental well-being and also emphasized on the importance of meditation and pranayama for mental peace. Participants also practiced the various meditative exercises during the session.



5. **Mental Health Awareness Video (2nd April 2021)**- With the attempt to highlight the effects and behavioral changes inflicted by the negatively affected mental health, we shared a graphic video on our social media handle. It was also focused on igniting a spark of motivation in the lives of the affected.

PROJECT CHHOTI SHURUAT (4th July 2020)



On the occasion of Van Mahotsav 2020, we commenced our ambitious project „Chhoti Shuruat“. The project aimed to inculcate small habits towards sustainability into the daily lives of the



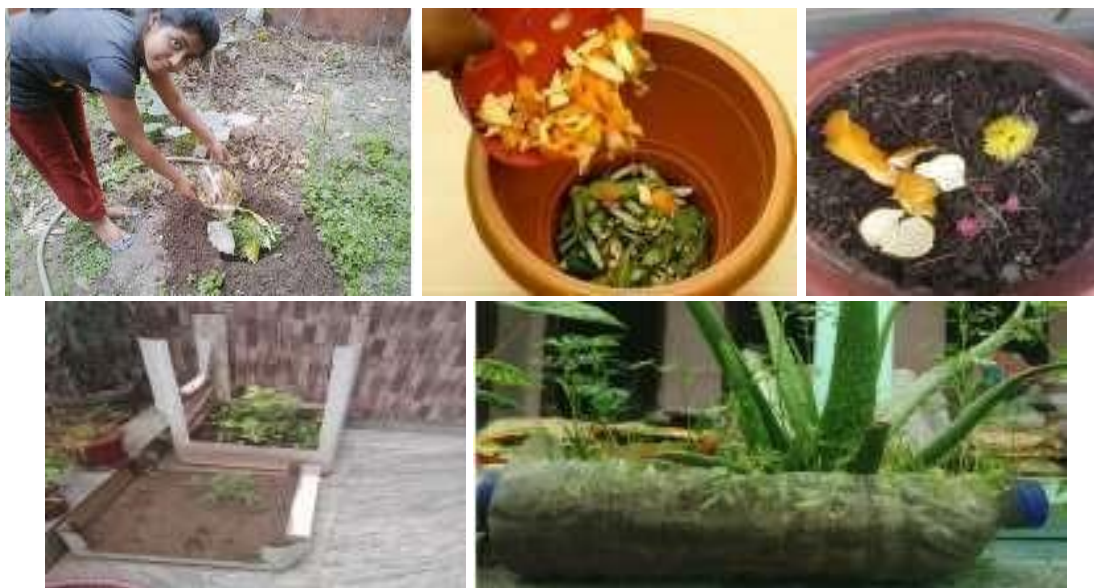
volunteers. It was a long-term project whose clarion call was made on 4th July 2020. Various activities have been held year-round, a glimpse of which is as below:

1. **Segregation From Home (4th July):** In collaboration with “Change in Range”, two activities were held-
 - a. **Separate and Compost-** Volunteers developed the habit of segregation and then composting, both aerobic and anaerobic, with suitable waste material. Waste was turned to gold.
 - b. **Small Sustainable Steps-** Volunteers took a step towards sustainability by creating various artifacts from waste materials. The two principles of the three Rs, that is reuse and recycle, were executed by the volunteers through their creative arts.



2. It was an intra-college project wherein volunteers perform the above activities on a daily basis. They were asked to make a detailed report of the method of composting they used. We received active response and the volunteers made composting and the mantra of reuse, recycle and upcycle their habit. They shared their learnings, difficulties and personal tips along with the report. We regularly posted on social media all the guidance regarding composting that was provided by our collaborative team. We also shared and took part in a

survey on waste segregation by Change in Range to spread knowledge about the same.

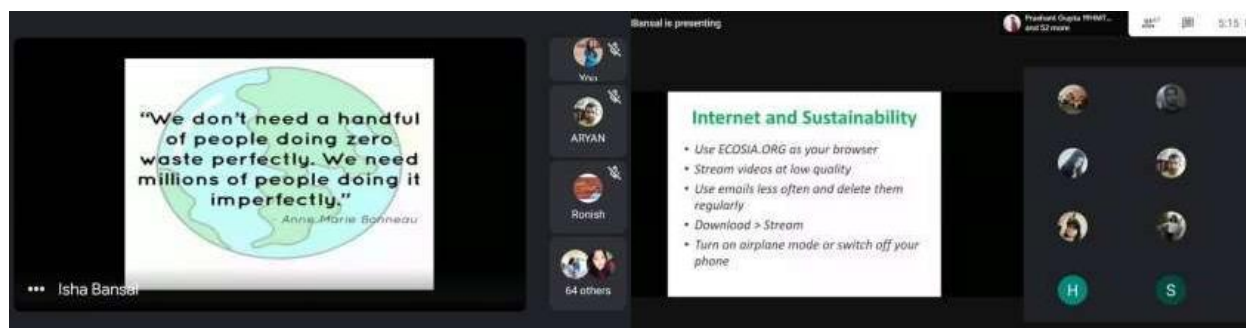


3. **Parivartan Webinar Series:** The incessant greed of humans is exploiting the nature on all fronts and draining its valuable resources into urbanization projects. This has taken a serious toll on the health of the planet and has to be addressed at the earliest. Understanding the fact, NSS DDUC in collaboration with IIT Delhi and different NSS units organised a webinar series „Parivartan – Change starts with YOU“. Three webinars were held wherein three respectable speakers enlightened us with their experiences, thoughts and plan of action.

- a. **On Sand Mining (16th July 2020)**- the issue was addressed by Ms. Sumaila Abdulali, President of AAWAZ Foundation.
- b. **On Sustainability and Social Justice (24th July 2020)**- the participants of the webinar were enlightened on the issue by Ms. Medha Patkar, founder of the Narmada Bachao Andolan.
- c. **On Start your own Garden (28th July 2020)**- the step-to-step guide to start one's own garden was provided by Dr. Vandana Krishnamurthy.



- 4. Online Awareness Drive against Single-Use Masks:** We aimed to spread awareness among the masses about the extra tonnes of plastic waste being created by the use of single-use masks. Through our posts on our social media handles we made people aware of the various types of reusable masks available for the public. An Instagram quiz was also held. The following information was also shared:
- Who should be using which type of mask?
 - The difference between Cloth, Surgical and N95 Respiratory masks
 - How to dispose a used mask?
 - How to reuse or sterilize masks?
 - How to wear different types of masks safely?
- 5. Webinar on Sustainability (18th October 2020):** In collaboration with Waste to Wonder, India, we organised a webinar on „Sustainability and Small Action to Reduce Waste“. It was focused on the importance of assessing the impact of one’s actions on the planet. By taking small steps to reduce our waste production we can create huge impact on the betterment of the planet.



- 6. Eco-Holi Celebration (29th March 2021):** Holi, the festival of colors, fun and elation, was celebrated by our environment-conscious volunteers in a sustainable way. The adrenaline rush was directed to a creative way. We organised a „Home-made natural DIY Holi color Making Activity“ wherein participants made Gulaal from natural ingredients which was both skin and eco-friendly. We shared the tutorial videos made by the volunteers on our social media handles.

- 7. Best-out-of-waste Activity:** On the occasion of Earth Day and with the resolution to revamp the planet by opting for a sustainable lifestyle, we organised a Best-out-of-waste Activity. Volunteers showcased their talent and creativity through pretty crafts. It was our small contribution to educate others on the need to be responsible and sensitive towards the deteriorating planet. The pictures of the artifacts were shared on our social media handles.

P ROJECT SAMVEDNA: An Empathetic Approach towards vulnerable animals

Our team with the contribution of our empathetic volunteers started the initiative to take a positive step towards containing the cruelty done on helpless animals. Various activities were held to fulfill our duty towards humanity. Self-satisfaction was our biggest reward.

1. Animal Feeding Programme

In our efforts to take care of the speechless vulnerable animals, feeding them has been our strongest armor. We carried on the programme on a daily basis after receiving active response from our enthusiastic volunteers.



2. Food-planet-health webinar (4th October 2020)

In collaboration with Vegan Outreach a webinar was organised to spread awareness about the impact of food choices on animals and environment. A vegan lifestyle and its contribution in wildlife replenishment was discussed in the webinar. We had Ms. Aastha Gupta as the guest speaker. Certificates were provided to the attendees.



3. Vegan Challenge

In collaboration with Vegan Outreach, a 10 weeks Vegan Challenge was organised wherein participants had to adapt a vegan lifestyle for 10 weeks and make their small contribution for the welfare of the animals. An additional certificate for service hours was given to the participants who successfully completed the challenge.



4. Webinar on Cruelty free India (24th January 2021)

We, in collaboration with Cruelty-Free India" organised a webinar on „Improved Animal Welfare: Steps towards a better society“. We had Ms. Jagriti Kaushik as the guest speaker. The talk highlighted on the poor livings and health conditions untamed animals are compelled to live in. The speaker made the attendees aware of how to create a cruelty free world for the vulnerable animals.



PROJECT SHAKTI

Women are the embodiment of beauty, strength, sacrifice and what not. Yet the prevailing ignorance has deprived them of their basic needs. Their health, especially their menstrual health, has often left unattended which has taken a toll over their physical well-being. With the aim of prioritizing women's upliftment and setting them free from the taboo that circumscribe them. Following activities were organised year-round.

1. Sirona Webinar (31st July 2020)

To address the issue of menstrual health and hygiene, NSS DDUC in collaboration with Sirona, organised a webinar „Let's talk hygiene with Sirona“. We had Ms. Nikita Satija as our guest speaker. The attendees were made aware of their initiative of Sustainable Menstruation, keeping in mind the 21 UNDP SDGs. We had approximately 60+ participants in the webinar.

2. Red Spot Challenge (5th February 2021)

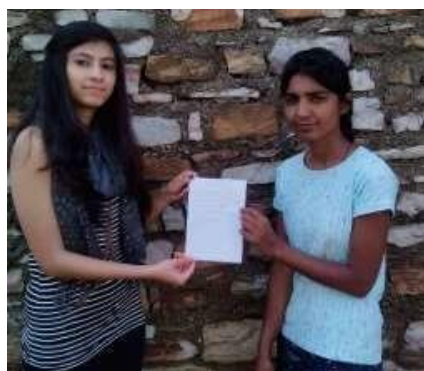
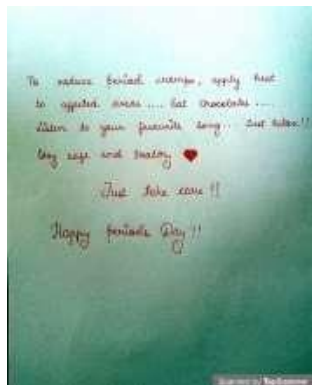
On the occasion of Menstrual health and Awareness Day, in collaboration with Sacchi Saheli, we took a step forward to spread awareness on menstrual health. Volunteers shared their pictures with a red spot on their fist to break the taboo about menstruation. Boys and girls enthusiastically took part in the challenge and their pictures were shared by us through our social media handles.



3. Menstrual Health Awareness Day Celebration (5th February 2021)

The day dedicated to the menstrual well-being of every single woman was celebrated by our team through organizing various online and offline activities. The main motive was to have a dialogue on the issue and not leave it untouched and surrounded with social stigma. The glimpse of the various activities held are:

- a. **Gift a Sanitary Pad-** volunteers participated in the activity by gifting a sanitary pad to a menstrual counterpart and especially the ones who are not able to buy the sanitary pads.
- b. **Exchange Greeting Cards-** participants distributed hand-made greeting cards to people of both the genders to raise awareness on the normalcy of menstruation and the necessity of menstrual hygiene.
- c. **Change your Display Picture and Status-** volunteers changed the display picture of their social media handles and updated their status making their social circle aware of the menstrual health of women.



- d. **Ab Pata Chalne Do'-** leveraging the social media for society's upliftment, we posted

some videos wherein girls shared their experiences they face during their menstrual period. It was an attempt to incite the sensitiveness among people who are unaware and deal with menstrual health irresponsibly.

- e. Chat with elders and educate others-** a positive interaction on any issue is half the problem solved. Our volunteers, thus, interacted with their elders on the issue on menstrual health and hygiene and also educated their friends on the same.

4. International Women's Day Celebration (8th March 2021)

NSS DDUC in collaboration with Clovia Sanitary Pads and Divya Health and Hygiene organised a 'Sanitary Pads' Donation Drive in Bharat Vihar, Dwarka Sec15 area on the occasion of International Women's Day. It was our effort to make women aware of their health and menstrual hygiene. Our volunteers educated girls and women from remote areas about the same. We reached to around 100 women on the underprivileged section and distributed the sanitary pads.



5. Yoga For Women (22nd April 2021)

Yoga is highly beneficial and recommended to maintain the hormonal balance of women and improving their overall health. NSS DDUC in collaboration with NSS NSUT organised a workshop on „Yoga for Women Health and Hygiene and cure of PCOD“. Acharya



Swati Jha educated the attendees of the benefits of Yoga and also informed them of the problem-specific Yogasanas and pranayama.



6. Workshop on Shadow Pandemic (30th April-1st May 2021)

When the world is focused on containing COVID-19, the violence against women and girls has intensified due to the very measures put to mitigate the spread of the former, say lockdowns. This domestic violence has been termed as „Shadow Pandemic“. NSS DDUC, in collaboration with Project Raahat, organised a 2-day literary drive on the issue. The legal reliefs, need for financial independence, self-defense and psychological facet of the daunting challenge of domestic violence during pandemic was discussed.



BLOOD CONNECT X NSS DDUC

COVID pandemic brought to our attention the aspect of health. The issue of blood and its shortage in the medical sector was addressed through the programme. Following events were held under its aegis:

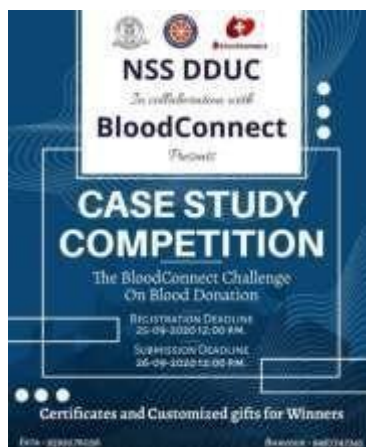
- 1. Webinar (26th September)** - We had Ms. Pooja Mistry as the guest speaker how enlightened us on the „Blood Shortage in India“. More than 70 volunteers attended the session. The speaker informed us about the benefits of blood donation. Participants of the webinar were provided with certificates.



2. **Poster Design Competition:** An online poster-making competition was held on the theme „Blood Donation“. Certificates and customized gifts were provided to the winners.



3. **Case Study Competition:** The case-study competition of the BloodConnect Challenge on „Blood Donation“ was organised to stimulate the analytical ability of the participants. Certificates and customized gifts were given to the winners.



4. **Let's be Aware Webinar (2nd May 2021)**

Thalassemia is a blood disorder that require regular blood transfusion. As we deal with the current pandemic, thalassemic patients are facing acute shortage of blood. To spread maximum awareness of this genetic disorder, NSS DDUC in collaboration with BloodConnect organized a webinar „Let's be aware about Thalassemia“. We had Mr. Harsh Chaudhary as the guest speaker. He educated the attendees of the blood disorder and also bust the myths about blood donation. The webinar ended with a quiz round wherein volunteers actively participated.



TAP EMAG X NSS DDUC: NSS DDUC in collaboration with TAP EMAG commenced the following challenges:

1. Cut the Strap Challenge (20th November, 2021):

It focused to spread awareness on cutting the strap of the mask before disposing of. Volunteers actively took up the challenge and videos were shared on our social media handles.



2. Swap the Bottle Challenge:

Aimed to direct people's focus on the havoc plastic bottles have created, the challenge was taken up by the volunteers swapping their regular plastic bottles with those of steel. Photos were regularly shared on our Instagram stories.

- Reasons to Swap-** to encourage maximum people to take up this challenge we shared a post on our social media handles discussing about the 7 major benefits to opting a stainless-steel bottle over a plastic one.
- Experience of the participants-** through our Instagram stories we shared with others the story of the volunteers who took up this challenge, what compelled them to do so and how they felt after being a part of the change.

COLLCOM X NSS DDUC:

Addressing the cons of technology, NSS DDUC in collaboration with CollCom organised two webinars and two online competitions

- 1. Digital Banking Frauds (4th October 2020)-** It was a national level webinar with Sudhir Kumar Singh, banking expert, as the speaker. He brought into the notice of the participants the digital banking fraud being carried on by sophisticated criminal groups. He also enlightened us with the various safety measure to be taken in order to save oneself from being a victim.



2. Cyber Crime Awareness Webinar (21st February 2021)

The webinar focused on all the aspects of cyber-crime and enlightened the participants of the safety and precautions from any such frauds. It was an intra-college event with Dr. Gaurav Kumar as the speaker. It was an interactive webinar and the speaker welcomed the views and opinions of the participants. This made the webinar more impactful.



3. Kuber Meme Komp- A Cyber Meme Competition

It was national level competition wherein participants had to design creative and informative meme poster on cyber-crime issue. Top three scorers were given exciting gifts.

4. Reel to Real Competition- A Video Making Competition

To create awareness on cyber-crime, participants had to make a video on any one type of cyber-crime and how to avoid being a victim of it. Top three scorers were given exciting gifts.

YOGA WEEK (21st - 27th June 2020)

The 6th International Day of Yoga was celebrated by our unit very enthusiastically. The theme of 2020 „Yoga at Home and Yoga with Family“ was brought into play through the week-long events held to spread awareness among the public, especially the youth, about the benefits of including Yoga in our daily routine.

1. **Yoga Challenge:** A Yoga Challenge was held to ignite the spark of competition and get the best performances from the zealous participants. They sent their photos and videos performing various asanas and pranayama at their home. The pictures were shared by us on our social media handles to encourage others to do the same.



2. **Yoga Quiz:** A trivia quiz was held on 21st June 2020. The motive was to test, improve and expand the knowledge of the participants about the different facets of Yoga. Active participation was witnessed with 221 registrations and 125 timely responses.
3. **Online Yoga Class:** NSS DDUC in collaboration with Art of Living took up the initiative of spreading the knowledge of performing Yoga properly through videos posted on the social media handles.
4. **Social Media Awareness Drive:** The constraint of online mode was taken as an opportunity by us to spread awareness about the benefits of Yoga to the maximum number of people. We regularly posted about the procedure and benefits of different Yogasanas and Pranayama through our social media handles.



❖ **DONATION DRIVE FOR ASSAM FLOOD VICTIMS**

Amidst the already challenging time of COVID, nature added to woes in Assam. The wrath of nature inundated Assam, badly affecting the life of millions. Unable to send the affected people any substantial help, a small monetary aid was provided by our unit.



❖ **RAKSHABANDHAN CELEBRATION (3RD August 2020)**

The relation of a brother and sister is the purest of all and Rakshabandhan is the festival to celebrate this sweet and sour relation. During the COVID crisis, our NSS team dedicated this Rakshabandhan to all the Corona Warriors who were away from their home and were not able to celebrate the festival with their siblings. Two online competitions were organised to mark the festival: Digital Poster Making Competition and DIY Rakhi Making Competition.

❖ **INDEPENDENCE DAY CELEBRATION (15th August 2020)**

Despite being in the online mode, the day was celebrated with many inter-college activities: **Poetry writing and quiz competition** were held. In the former, we received 15 entries while in the latter 120 responses were received. Instagram posts on the „Unsung Heroes“ were updated commemorating the selfless service of the patriots who are often left unnoticed and unmentioned in the golden pages of India’s present and past.



❖ **NUTRITION WEEK (1st - 7th September 2020)**

The week was celebrated both virtually and physically. Online awareness posters were spread and volunteers in collaboration with **Rise Foundation** educated the slum children about the necessity and benefits of nutritional food.

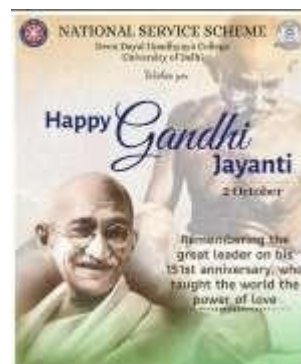


❖ **FIT INDIA MOVEMENT (21st - 23rd September)**

Being a part of the ambitious Fit India Movement commenced by the Government of India, volunteers participated and performed various physical activities like running, skipping, walking, jogging or riding a bicycle. Pictures of the same were shared through our social media handles. They tracked their distance covered, while jogging or running, manually or by using different applications. The volunteers vowed to change their sedentary lifestyle into a physically-active one.

❖ **NSS FOUNDATION DAY (24th September 2020)**

On the occasion of 51st NSS Day, two volunteers presented the year-round report in the webinar with various NSS units of DU. Tree plantation was also done by the volunteers in their home. The experiences of NSS alumni were also shared to motivate our new volunteers to strive to serve the society with utmost dedication. We also shared a video prepared by our volunteers on Gandhian Value and NSS on our YouTube channel.



❖ **GANDHI JAYANTI (2nd October 2020)**

Following the footsteps of Mahatma Gandhi, our volunteers carried on the cleanliness drive near the premises of their houses. Photos and videos were shared through our Instagram handles.

VIGILANCE AWARENESS WEEK (27th October - 2nd November 2020)

For a country to be successful the citizens need to be vigilant to not let the corruption hollow out the roots. Under the motto „Satark Bharat Samridh Bharat“, the week was celebrated through;

1. **Integrity Pledge (27th October)** - The online Integrity Pledge was held on Google Meet with around 70 participants.



2. **Vigilance Quiz (1st November)** - 100+ responses were received and e-certificates were awarded to the winners.
 3. **Study Circle-** Formed with the motive of spreading awareness on Vigilance Awareness Week, volunteers actively studied the topic and came up with regular blogs.
- ❖ **UNITY PLEDGE (31st October)** - Celebrating the anniversary of Sardar Vallabhbhai Patel, a Unity Pledge was organised to celebrate the unity amidst the diversity of our country. The pledge was held on Google Meet with around 70 volunteers of the college NSS unit.



DEEPAWALI CELEBRATION (8th - 14th November 2020)

The festival of light was attempted to be celebrated in a sustainable and green way, focusing more on spreading happiness and smiles. Following initiatives were taken

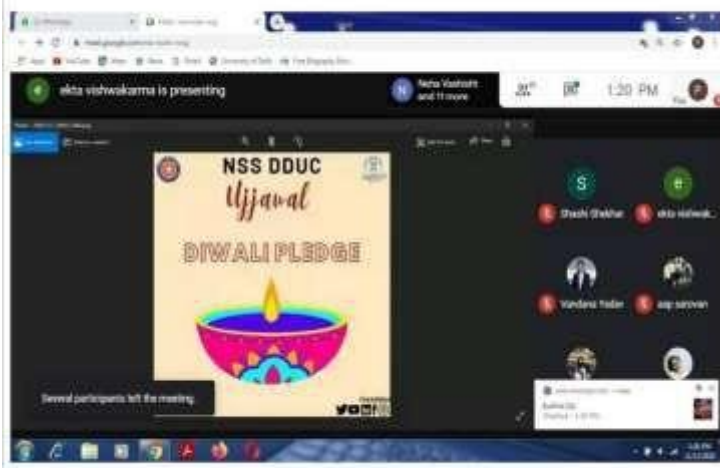
1. **EnvAct** - Under the Project Chhoti Shuruat, volunteers did sustainable activities by bringing into action the 3Rs of sustainability. Pictures were shared through our social media handles.



2. **Donate Smiles** - Under Project Samathan, volunteers donated masks, woolen clothes and sweets to the needy. It was ensured that we could bring a smile on the face of the poor in this festive season so that they won't feel excluded.
3. **Show your Creativity** – In this festive season, volunteers set free their creativity and made beautiful artifacts. They decorated diya, made handmade candles and rangolis. The pictures of the same were shared by us through our social media handles.



4. **Annadanam (14th November, 2021)** – Diwali is synonymous to sweets and snacks. Realizing this predominant belief, our volunteers served packaged food and sweets to the slum kids sponsored by SOVO and IDF. They also gifted some stationery items to the underprivileged kids. It was a great satisfaction for us to organise the food donation drive. Our team properly followed the COVID appropriate behaviour throughout.
5. **Diwali Pledge (12th November)** – Festivals should always be celebrated in their true essence and trying to bring that into play, our volunteers pledged to celebrate Diwali in a sustainable and green way. We had around 80 participants in the online pledge.



6. **Drawing activity in Slum-** We organised an interactive and fun Diwali Drawing Competition for the kids of the slum to ingrain in them the values of „Good over Evil“ and the ways to celebrate eco-friendly Diwali. The kids participated with great vigor to draw their interpretation of the festival.
7. **Diwali Play–** Our zealous volunteers prepared a short skit to spread the message of celebrating Diwali in a green, safe, happy and creative way, keeping the happiness and well-being of others before self. The volunteers prepared it in their respective homes and no COVID protocol was broken. We uploaded the video on our social media handles.

- 8. Vocal for Local Campaign-** Under our Project Samarthan, we took up the task of spreading awareness about the various initiatives taken and products produced by the fellow citizens to start their micro-business. The campaign's mission was to support and also motivate others to support the local vendors rather than large corporates, by purchasing Diwali goods from the formers. Through our social media handles we promoted Kamdhenu Deepawali Abhiyan, various Diwali gifts that can help the local vendors and also the eco-friendly sustainable Diwali decoration ideas. It was our attempt to patronize local businesses and stand firmly with the government's initiative of Atma Nirbhar Bharat.

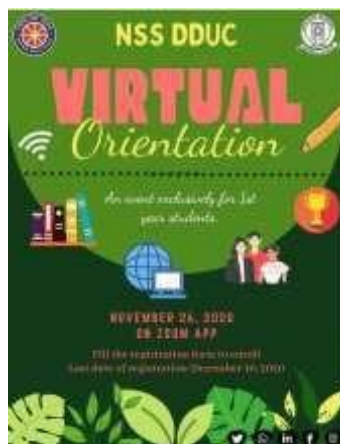
❖ **YUDH, PRADUSHAN KE VIRUDH (Red light on, Gaadi off)**

Contributing to the Delhi government's campaign „Red light on, Gaadi off“ our volunteers went out on the streets and highways to spread awareness about the hazardous effects of rising air pollution. Children were motivated to be a part of the campaign and they joined our volunteers with handmade posters and urged people to switch of their engines while waiting on traffic signals.



❖ **VIRTUAL ORIENTATION (26th November 2020)**

We welcomed our new volunteers to our family through a virtual orientation. Freshers showed great interest in the same. We made them aware of our past accomplishments and our future plans. We also shared a video on YouTube regarding our orientation.



❖ **CHRISTMAS CELEBRATION (25th December 2020)**

Under our Project Samvedna, the festival of Christmas was marked with a feeding programme of stray animals. Volunteers of our unit fed the animals keeping in mind the diet and requirements of the animals and also avoided the food material that is strictly prohibited for them.

❖ **CAREER GUIDANCE WEBINAR (27th December 2020)**

NSS DDUC in collaboration with Kalamkaar: The Literary Society of DDUC and Career Aspirants Club, DDUC organized a webinar on „Selection of Career after Graduation“. We had Dr. Mahesh Gadekar, Academic Chairperson, ISB&M as the guest speaker. He helped the participants and enlightened them on how to prepare for a group discussion, be confident during personal interviews and make one's presentation interesting. It was an educative and helpful webinar. Attendees were given participation certificates.

❖ **NATIONAL VOTER'S DAY (25th January 2021)**

The foundation day of Election Commission of India was marked by a pledge-taking ceremony through a virtual meet. The purpose was to encourage, facilitate and maximize enrollment in the Voter's List, especially from the young voters. Through the pledge we aimed to promote maximum and responsible participation in the electoral process of the nation.

COVID-19 ORIENTED ACTIVITIES:

The activities organised year-round had the protocols of COVID-19 as the prime focus. Following contributions were made by our NSS unit.

1. **Online Awareness Drives-** By leveraging the social media platforms to spread awareness on proper use of masks, avoiding single-use mask, SOPs and for universal vaccination acceptance through our social media handles. We also regularly posted the information shared by government.



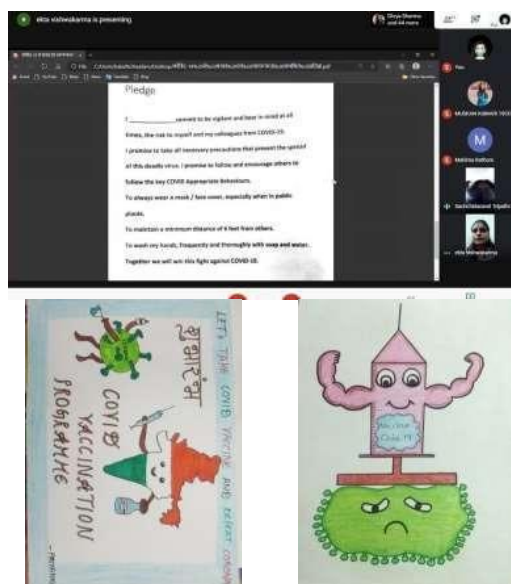
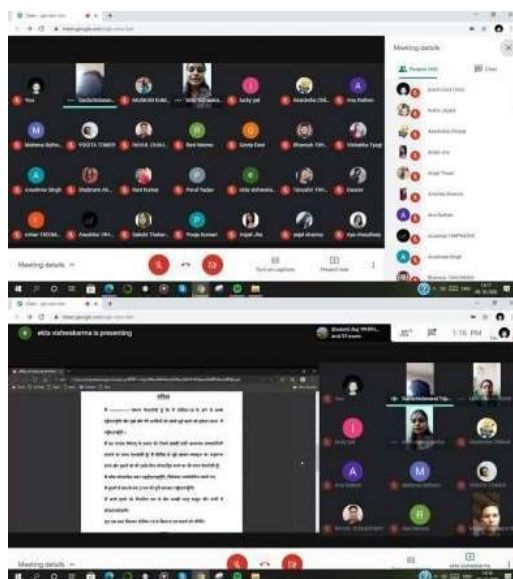
2. Competitions-

COVID-19 focused two competitions, **Hold your Slogan Competition** and **Short Video Making Competition**, were organised to give a chance to the participants to bring out some ground-breaking ideas to curb the effects of the deadly virus. E-certificates and Instagram shoutout was given to first three winners.



3. COVID Safety Pledge (8th October 2020):

As per the order of the Regional Directorate, NSS, an online pledge related to protection and awareness from Covid-19 was taken. Participants committed to be vigilant and not risk the life of ones own and that of others. They promised to follow the precautionary measures and encourage others to do the same.



4. Covid Warrior (April 2021):

NSS volunteers made some posters to spread awareness regarding Vaccination festival, Vaccine hesitation etc.

❖ **ROAD SAFETY AWARENESS MONTH (18th January-17th February 2021)**

The month was celebrated to create awareness about road safety. It was our attempt, with numerous awareness posts shared on our Instagram handle, to make everyone's journey the safest. Dos and don'ts, golden rules for road safety, documentary screening and discussion was done. Video related accidents and the carelessness were shown to make everyone understand about all the mistakes. A short film on the life and the responsibility of driver was shown. The motto of Safe Road, safer journey was our prime focus.



❖ **APKI BAAT**

The initiative is commenced to bring into highlight the issues concerning the general public's daily life. IGTV videos are shared through our Instagram handles. The first video was dedicated to Stubble Burning.

SOCIAL MEDIA AWARENESS CAMPAIGN

Social networks have made the world a small village in terms of its impact on the world of communication, exchanging ideas and facilitating the transmission of information and news with others. They have become the most prominent aspect of modern media that has done a quantum leap in sharing information to even a person standing on the last strata of social

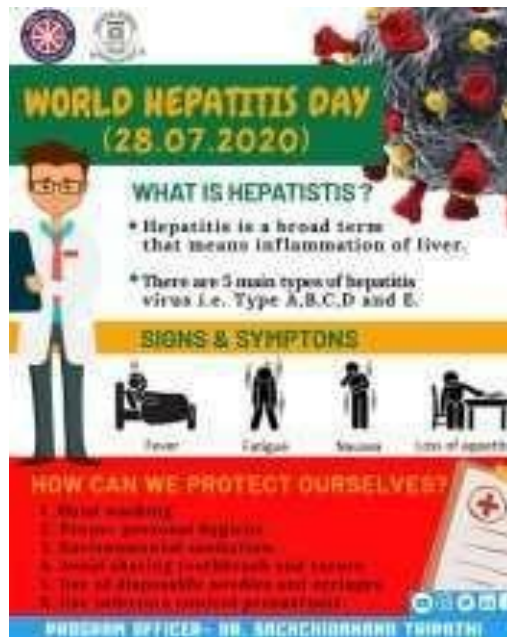
ladder. During the time of social distancing and limited contact, social media became a beacon of light to provide a platform to interact and dissipate information and educate people about innumerable things. Leveraging this benefit of social media networks, we resort to it for spreading awareness on various issues.

1. International Plastic Free Day (3rd July 2020)

It was our attempt to make people aware of the global catastrophe the plastic waste is leading us to and the immediate need to eliminate the use of single-use plastic bags. We encouraged the use of reusable cloth or jute bag.

2. World Nature Conservation Day (28th July 2020)

We shared a video on our Instagram handle showing the beauty of nature and the immediate need to conserve it. A healthy environment today ensures the well-being of the future generation and thus, it is our duty to work for its conservation. Under our initiative „Time for Nature“ volunteers made beautiful arts and crafts dedicated to environment conservation.



3. World Hepatitis Day (20th July 2020)

A post was shared educating people on the prevention and cure from Hepatitis. The year theme „Hepatitis-free Future“ was shared. We organised an Instagram Quiz on the same and the first three winners got an Instagram shoutout.

4. Global Tigers Day (29th July 2020)

Through our post we tried to educate people about the reason for celebrating the day, when and how it came into existence and its contribution in enhancing the tiger's population worldwide. We posted some basic knowledge on tigers, like its types, their habits, their likes and dislikes and other fun facts. To commemorate the day, we organised an Instagram Quiz and the first three winners got an Instagram shoutout.



5. Health Tips (1st-7th September 2020)

On the occasion of National Nutrient Week, we shared a number of health tips and also the way to bring the year theme „Eat Right, Bite by Bite“ into action. We tried to encourage people to strive for a healthy lifestyle by the intake of proper nutrient and right exercises.

INTERNATIONAL DAY OF YOGA (21ST June 2021)

Yoga is a remedy for perfect harmony between the mind and body, between man and nature and between aatma and Parmatma. It is the mantra for a healthy life. Reckoning the significance of Yoga, the National Service Scheme, DDUC commemorated the 7th International Yoga Day with great zeal. Here is a glimpse of the week-long celebration on this day.

❖ Yoga Workshop

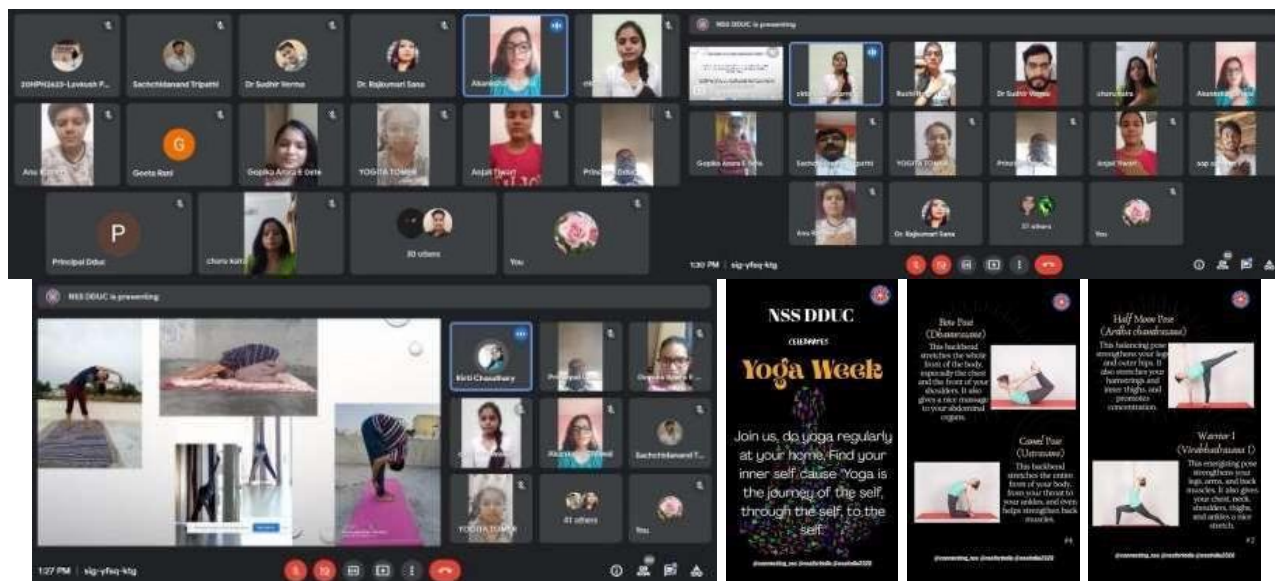
A seven-day Yoga workshop was held commencing from June and ended on 20th June 2021. Acharya Shweta Jha enlightened the volunteers with the importance and procedure of various yogic asanas and pranayama. It was a once-in-a-lifetime opportunity for the volunteers to get such assistance. Total 40 volunteers enthusiastically participated in the event. Photos and videos were regularly shared by them.





❖ Yoga Pledge

On the occasion of 7th IDY, we organised a webinar dedicated to the celebration of the day. A short presentation was given highlighting the significance of Yoga. Pledge for inculcating Yoga in our daily lives was taken by the volunteers. A total of 60 attendees took the pledge for a Yogic Jeevanshaili.



❖ Social Media Awareness

Being confined to the online mode in the present COVID period, our NSS unit ensured to spread awareness through our social media handles. We regularly updated our Instagram stories to create maximum impact and encourage people to include Yoga in their lifestyle.

This is a short glance at the myriad activities conducted by our team during this session. Though the mode has been online the zeal of the volunteers was unhindered. We aim at creating a greater impact through our attempts and bring out a grassroots level change.

PEHAL'21- The Annual Fest

Pehal, the annual fest of NSS DDUC, is the time of the session marked with the agglomeration of activities and initiatives. It is the time to celebrate the yearlong selfless volunteerism shown by the team members. Though the tough times of COVID19 posed a challenge to celebrate the

fest in the conventional way, our team successfully culminated the 3-day event adapting the new normal. Competitions were held online and COVID appropriate behaviour was followed in the activities that had to be held in the offline mode. Following is the glimpse of the event that embellished our fest:

- **Online Inter-College Competitions**

- ❖ **Case Study Competition:**

Participants were given a case study on the topic 'Sustainable Waste Management System' and were asked to give some innovative and feasible methods to work in its direction. We were elated with the active responses received. More than 100 registrations were done. Winners were provided certificates and cash prizes.

- ❖ **Mono-Act Competition:**

Creativity is a person's one of the most valuable asset that makes him stand out from the crowd. We tried to give another chance to showcase the talent of the participants through the competition. The topic provided was 'COVID19 and its impact on our social lives'. We were left spellbound by the entries received. Winners were awarded certificates and cash prizes.



- ❖ **Hunt-it-Out Quiz Competition:**

Adding a tinch of knowledge and brainstorming, a multiple round quiz competition was held. Registrations were done and active responses were received. Winners were awarded certificates and cash prizes.

- ❖ **छाांव : Plantation Drive :**

It marked the enthusiastic initiation of our fest on the morning of 10th April 2021. With scorching summers at the doorstep, it was our attempt to encourage people to plant more and more trees. Volunteers had to individually plant trees in their home or locality and take good care of it. It is our belief that a tree planted today will repay mankind forever.



❖ **Celebrating Smiles :**

No happiness can ever match the one that comes by bringing a smile to the face of the underprivileged. Not missing a single chance to do so, our team visited D Block, Gali No. 5, Bharat Vihar, Kakrola to spend some quality time with the slum kids. We organised an art and craft workshop and Kids' Talent Show. Our volunteers also sang songs for the kids which made them happy and feel priced. The tiny tots showcased their dancing skills while our volunteers charmed the kids by singing songs. It was a fun day.



❖ **Stationery Donation Drive**

The gift of pen and paper is more powerful than the strongest armor. Acknowledging this fact, NSS DDUC in collaboration with Helping Hut NGO and Goel Book Depot organised a Stationery Distribution Drive. We gifted the kids with some basic stationery items and armed them with the tool of education. The smile on their faces made this event a success.



With this the fest came to an end leaving us with a box full of memories.

POLAROID: THE PHOTOGRAPHY AND FILM SOCIETY

The Society conducted online sessions on the basics of Photography for its members. The classes were taken by the president and the other senior members of the team in online mode. Polaroid, organised its annual fest **Spectrum** in the online medium on 24th MARCH, 2021. The event was highly successful and received a lot of appreciation, acceptance and entries, There were four photography competitions and three videography competitions including Pratibimb: Theme Based Photography Competition; Rangrez: Colour Based Photo Series Competition; Andaz Apna Apna: Photo Manipulation; Hubahoo: Photo Recreation; Ishtehar: AD Making Competition ; Picture Abhi Baki Hai: Trailer Making Competition; Aalekh: Script Writing Competition.

Virtual Reality online exhibition was also organised of the noteworthy pictures clicked by the members of the society More than 300 people watched the special exhibition. A theme based photography Competition "The Blinding Lights, Photography Competition" was organised in collaboration. Three short films were also produced by the members of the society namely One Take Film; Yamuna Ghat –PhotowalkVideo and Harry Potter VFX Reel.

KALAMKAAR: THE LITERARY SOCIETY

A captivating workshop on Origami "**Peek Into The Folded Universe**", the art of folding and making decorative pieces of endless potential by Miss Santrupthy Das, who had been folding for the past 10 years now. It was held on 10th October, 2020. 35 participants were part of this workshop.

Kalamkaar in collaboration with StoryToUnite presented Writers' Sabbath a two day creative writing workshop on the theme "creativity and writing" to help the ardent creative writers enhance their creativity, get over their writers' block and help avoid plagiarism. 15 people took part in this Workshop. It was held on 17th and 18th October, 2020. It was organised by our alumni, Pranjal Saxena (batch of 2017), also the founder of StoryToUnite.

Celebration of togetherness with entire Kalamkaar Family through "Kalamkaar's Alumni meet" hosted on 18th October. It was Held on 18th October 2020. Our Alumnis from various batches of past years joined us and it was an absolute pleasure to meet all of them virtually. Around 60 people were part of this event.

A workshop on Poster Designing and Introduction to UI UX was organised by the society on 31st October, 2020. The Speaker for the workshop was our illustrious alumnus, Shourya Dubey (Batch 2017-2020) who enlightened us with his amazing graphic skills. The number of participants who participated in this workshop are 32.

Kalamkaar Orientation Ceremony 2020 was held on the 5th of December 2020 on Zoom. 80 people joined the programme.

KalamKaar, the literary society of Deen Dayal Upadhyaya College, organised its Mega Event **AURORA 21'**. To make the event attractive and enjoyable, a plethora of inter college competitions and workshops were organised which gave wings of creativity to the participants including Voice o verse - The English Poetry Slam; Anjuman - Hindi Kavya path; Rangrez - Painting Competition; Conception - Online Digital Poster Making Competition; Alfaaz e kalam - Bilingual Creative Writing Workshop; Ok doodle - Online Doodling Competition; Gra fi - Online Graphic Novel Writing competition. The workshops under Aurora were held on 30th January, 2021 namely Graphics workshop by Mr. Ravi on Content creation tips on instagram; . Let's Draw Alphabets- Brush Calligraphy workshop by Ms. Raghunita Gupta; Spin the Yarn - A short story session by Mr. Sharad Raj C., Also the founder of Scribbled; Hindi workshop by Mr. Geet Chaturvedi.

The Kalamkaar Literature Festival was inaugurated by the keynote speaker Mr. VivekanandJha, Indian Poet, Editor and Translator at 11:00 am, 9th April 2021 on Video Conferencing Platform Zoom. The theme for KLF'21 was "Endowing Language, Enriched Literature" , a distinctive and contemplated theme. The Guest of Honor, Mr. U AtreyaSarma, Chief Editor of Muse India gave the inaugural talk on 'Native Tongue and the Vernacular'. The speakers were accompanied by Dr. Hem Chand Jain (Officiating Principal), Dr. Ravinder Kaur (Convenor of Kalamkaar) ,Dr. Charu Kalra, Dr. Sudha Arora and Dr. Lalit Kumar.

The well renowned Kavi Sammelan of Kalamkaar was conducted online as **KaviDarbaar** this year on zoom and was telecasted live on YouTube . The members of Kalamkaar were much obliged to welcome the famous poets from different regions of our country. The event began with "Prantiya Rasdhara", a collection of multilingual poems by the students of Kalamkaar and received a lot of admiration by everyone. Prof. Chandra ShekharDubey (Hindi Poet), Dr. Mangat Badal(Rajasthani Poet), Dr. Amatjeet Kake (Punjabi Poet) and Mr. Kamlesh Maurya Mridu(Awadhi Poet) recited the poems in their respective languages and received huge appreciation from the audience. The audience was enchanted by the alluring recitation in different languages and several hours passed without anyone noticing.

The annual magazine of Kalamkaar "Ahvaan" was also launched during Kavi Darbaar by all the poets in unison. The theme for the magazine was "Pandemic and Literature" and contained all

the details about Kalamkaar and the finest work of its members. The e-magazine was widely praised by everyone.

LIBRARY ANNUAL REPORT

The college has an excellent fully air-conditioned central library facility spread over three floors with a total floor area of 2,550 sq. meters. It has a provision for a separate reading section for the faculty and spacious reading hall to accommodate students with total seating capacity for 300 persons. To facilitate e-learning, it has a dedicated Computer Hub comprising of 15 computer systems with a network printer to access e-resources available through internet and other resource sharing network.

The library has been successfully undertaking automated operation since last one & -a-half decade using professional database software through network of client-server systems.

It has up-to-date bibliographic database of books and journals. The library has added 769 volumes of books this year, making its total collection as 47,482 volumes of books. The library subscribed to 64 journals & magazines of national and international repute in the relevant subject areas. Besides this, the library subscribed to 15 national newspapers. It has 613 bound volumes of journals/ periodicals and 850 CDs in its collection.

The entire collection is heavily used by the students and faculty. Interested students of the weaker sections were also issued books under book-bank facility.

In addition to the printed books, the library also provides internet based access to e-resources and print-out services. As many as 04 databases, 10,000 e-journals and more than 1 lakh e-books can be retrieved electronically through various resource sharing networks.

The library held its User Orientation Program on 18th November, 2020, for the new batches in online mode in different sessions.

The Library also organized a book exhibition during 5th-8th March, 2021, in which as many as 10 prominent publishers and vendors participated. The event was participated by many students and faculty which also facilitated acquisition of relevant books in the library.

This year the library endeavored to provide information services in online mode by providing access to e-resources comprising of hundreds of books as per curriculum requirement downloaded from public domain (open source). Scanned question-papers of previous years were sent to students through e-mail. A list of useful web-links of many scholarly digital repositories were compiled and shared with students and faculty. It also made available to students and faculty the login-id for subscribed e-resources under N-LIST program through INFLIBNET-UGC. Remote login-id were also provided to interested faculty members for access to e-resources subscribed by the Delhi University Library System.

Department wise Activity Reports

Department of Botany

Subject Society- Kalpavriksha [Convener: Dr. Reeta Kumari]

October 06, 2020: The department started the journey with an inaugural session which was held on 6th October, 2020. This was an international webinar on the topic "**How to enhance STEM by making it inclusive**". **Professor Chandralekha Singh** (from Department of Physics and Astronomy (University of Pittsburgh), Alumni IIT Kharagpur, UNIVERSITY OF CALIFORNIA, Santa Barbar) was the keynote speaker for the webinar. More than 110 participants from various parts of the country took part in this webinar on the online platform, Google meet. A very thought-provoking and intellectual lecture was delivered by our speaker at the event. She explained about the Stereotype threat and how it can hinder the growth of students or in general any academicians. At the same time, an online inter-college photography competition (**The Artsy Lens**) on the theme "**Nature and Plants**" was conducted. More than 45 plus entries were received for the event. The judge of the competition was **Dr. Jayanta Bordoloi**. The core team for the session was officially announced and the event ended with a vote of thanks by the teacher in charge- Dr. Charu Kalra.

October, 2020: In the month of October, the Student Council for the session 2020-21 was formed, with the following posts: Vishal Arora, B.Sc. (H) Botany Sem V (President), Ankit Sharma, B.Sc. Life Science Sem V and Astha Verma, B.Sc. (H) Botany Sem III (Vice President) along with two class representatives from each class.



October 16, 2020: An online webinar was conducted on the topic "**Wellness mantras**". Speaker for the webinar was **Neelanjana Singh** (Registered Dietician & Certified Diabetes

Educator, Columnist, and Wellness Consultant). She has been a National Executive Member and President of the Indian Dietetic Association (IDA). This webinar played an important role in spreading awareness among students and teachers about the importance of nutrition and healthcare especially in the time of pandemic and lockdown. Approximately 100 participants took part in this from different departments of the college.

November 19, 2020: Kalpavriksha held its online orientation program on 19th November 2020 on Google Meet. The event was attended by approximately 150 people including new students, senior students and teachers. Also, all the faculty members made sure to bless and wish the newcomers for their new journey of life. Teachers made the students of first year students familiar with our department, faculty, and syllabus along with clearing their other doubts. Also, they were introduced to the council members and various activities held by it.

January 22, 2021: An Intra-College webinar was held on "**Cancer prevention and the clean Yamuna prevent cancer**". This online webinar was conducted on google meet and attended by more than 115 participants. **Dr. S. Khanna** (Founder & President of DCFRC) and **Dr. Pragya Singh** (Sr. Manager- projects DCFRC) were the speakers for the session. Through her speech, Dr. S. Khanna drew attention to the early signs and symptoms of cancer and the precautionary steps one should always follow for a safe and healthy life. Dr. Pragya Singh talked about the adverse effects of water pollution, the reasons for water pollution, and how it can be checked from the individual level. After their talk interaction was held between participants and speakers.



February 20, 2021: A **career counseling session** was organized by the society Kalpavriksha in collaboration with the **Zoology Department** and **Career Counselling and Placement Cell of DDUC** on the Zoom Platform. The speakers for the webinar were **Professor Divya Agarwal** and **Professor Vinay Tripathi** of IIHMR Delhi. They made the students aware of the future aspects of Health Management in India and the scope of students

in this field. About 120 participants were enrolled for this webinar. The speaker informs the students about the career choices they have in the field of Health Management and about their institution.



March 03, 2021: Departmental Fest Delonix'21 started by organizing an inaugural lecture by **Ms. Vani Murthy** popularly known as the queen of compost. She is a renowned urban farmer, passionate citizen leader, and founding member at Solid Waste Management Round Table (SWMRT), Bengaluru. The topic for this inter-college webinar was "**Waste Management**". More than 130 participants took part in this via Zoom from all over the country. She mainly focused on how to make the earth a better and clean place to live.



The live events during the fest were:

- ❖ **Dalil (The Online Debate Competition)** in which more than 72 participants from all over India participated. It was organized on Google Meet on 3rd of March from 1:30 P.M. The judges were **Dr. Arun Kumar Maurya**, LLB and LLM from the University of Delhi currently

working as an Assistant Professor in the Department of Botany, Multanil Modi College, Modinagar, U.P, and Dr. Uzma Nadeem, Ph.D. in Science, Department of Chemistry, University of Allahabad, currently working as Teacher In-Charge of EVS Department, Mata Sundri College for Women.

- ❖ **Quizzing Cameos** (The Online Quiz Competition) in which more than 150 participants from all over India participated. The event was organized with the help of google forms whose link was shared with all the participants via email. The score of the event was quickly generated just as the participant submitted the form.
- ❖ **Graphite Art** (The Online Sketching Competition) in which more than 45 participants from all over India participated. In the event, live samples of Biological specimens were given which the participants had to draw within the stipulated time and submit online.



The Submission based events were;

- ❖ **Memester** (The Online Meme Making Competition) in which there were 75+ participants.
- ❖ **Covid Mantra** (Online Slogan Writing Competition) in which 27+ participants from all over India participated.
- ❖ **Intellection** (E-Poster Making Competition) in which 64+ participants from all over India participated.
- ❖ **Advertere** (Video Ad Making Competition) in which 10+ teams consisting of 3 to 4 members from all over India participated.



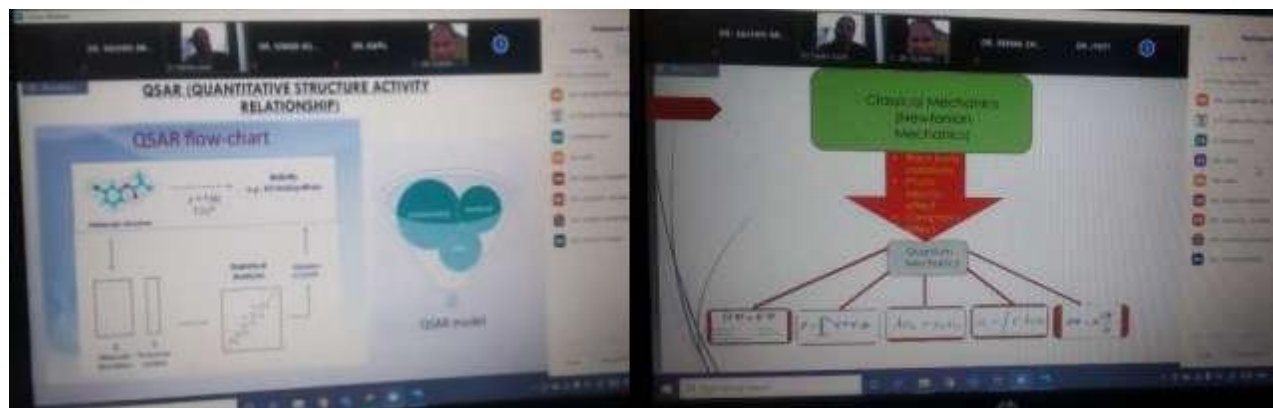
March 04, 2021: This was followed by the „**Alumni Meet**“ on the 4th of March 2021, which was attended by more than 110 participants. The resource persons were Ritu Mehra, Kakali, Riya, Satyendra Pandey, Sudhanshu Jain, Sudhan, Prashant and Hardik. They interacted and motivated the students to follow their passion and intuition in their careers. All the queries related to career and emotional stress and examination pressure were beautifully addressed by them. The events ended with a vote of thanx.

Department of Chemistry

Subject Society - Covalence

July 29, 2020: In order to familiarize the Faculty members about the online teaching platforms, the Department of Chemistry organized an online training program/workshop entitled „**Using Microsoft Teams for Remote Teaching**“ by **Ms. Bhavna Mittal**, Microsoft Innovative Expert Educator on July 29, 2020. The workshop was attended by all the faculty members of the Department.

August 13, 2020: The Department organized an online workshop entitled „**Using Google Classroom and Google Meet for Remote Teaching**“ by the faculty member, **Dr. Nityananda Agasti**. The workshop was well attended by faculty members of the Department.



September 05, 2020: Students of B.Sc.(H) Chemistry III Sem and V Sem, separately organized Teachers day program to show their gratitude for their Teachers. Students tried their best using digital platforms and organized various online events like recitation of poems, dance performances by students.



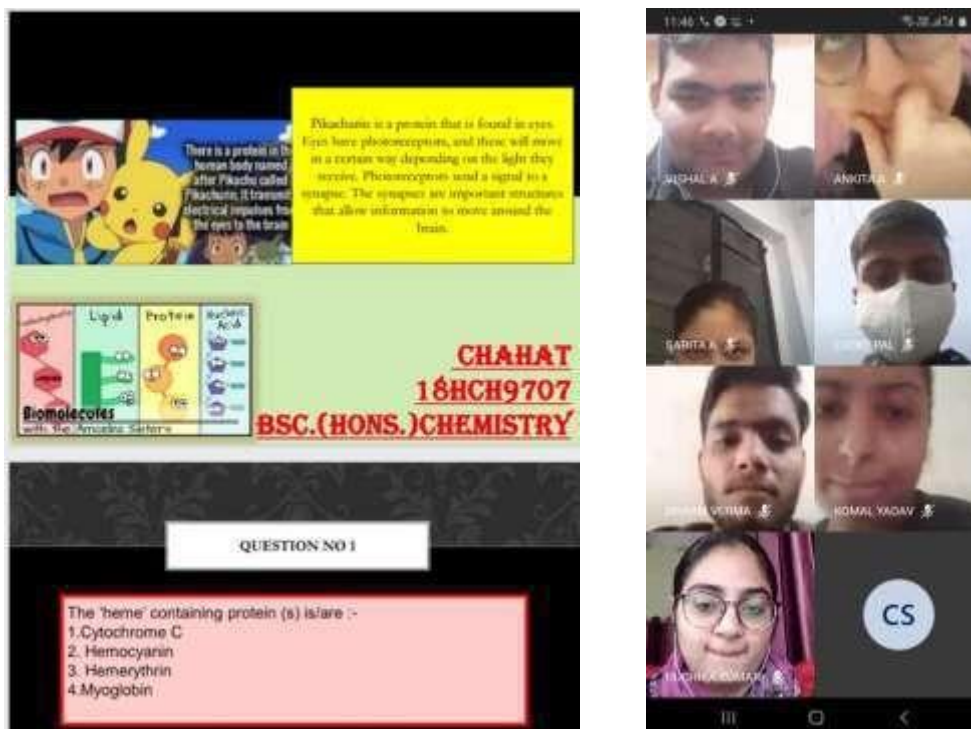
September 09, 2020: Paper Presentation on "**Chemistry in Powders - Case Studies**" was organized by Dr. Reema Chhabra for the students of B. Sc (H) Chemistry III Sem and B. Sc (P) Life Sc III Sem. The aim of the activity was to give a better understanding to the students of the "**Chemistry of Cosmetics and Perfumes**". Ten groups of two students each presented their paper on real products from the industry/market.



October 09, 2020: An intra-class Quiz Competition "**QUIZ-O-ZYME**" was organized by Dr. Reema Chhabra for the students of B. Sc. (H) Chemistry V Sem. About 25 students participated in the quiz competition. The quiz was conducted on "**Enzymes and Enzyme Inhibitors**" and it really proved to be useful in enhancing their concepts of biochemistry. Ms. Akshita Choudhary grabbed the first prize and Ms. Mahima got the Second prize.

November, 2020: Dr. Jyoti organized Paper Presentation (online mode) for the students of B.Sc. (H) Chemistry Semester V, where 21 students presented their papers on various topics of

"Solid State Materials in Industries". Three students were given certificates for best presentation.

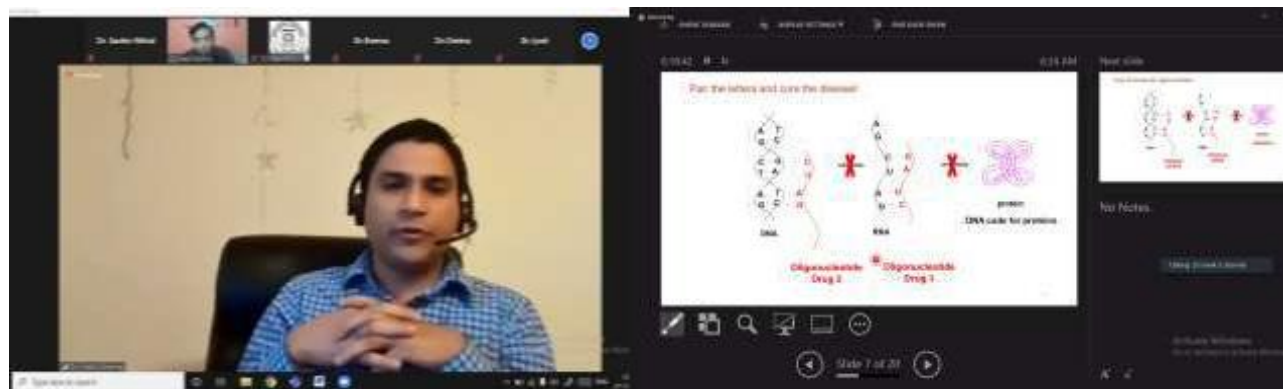


November 06, 2020: The **Paper presentation Competition** an annual event of the chemical society "Covalence" was organized for the students of B.Sc. Physical Science, semester V through online mode using MS Teams. The event was conducted by Dr. Vinod Kumar and Dr. Chayannika Singh who apprised the students about the rules in the beginning of the competition. The intra-class competition was started at 10:00 am in which 08 students presented their power point presentations on various topics of chemistry such as Nobel Prize in Chemistry, Valance bond theory, Chemistry in everyday life, Chemistry in Corona virus research, Exploring polymers, Graphene, Use of specific reagents in organic chemistry and Salts & its uses. Three best presentations were awarded the certificates.

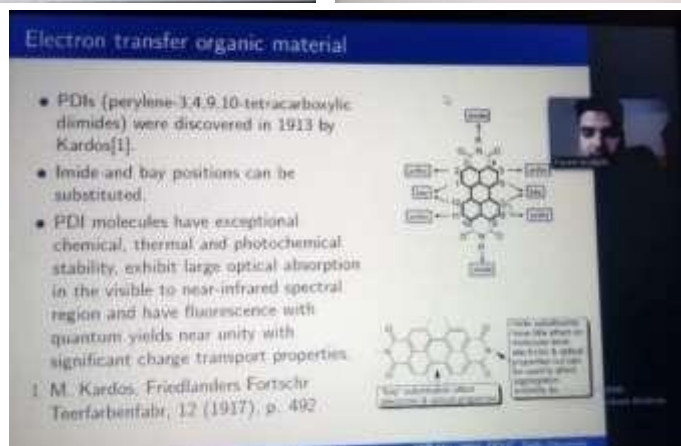
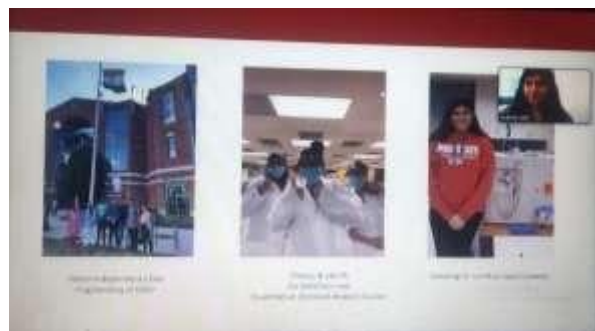
November 19, 2020: The Department organized the orientation programme for the students of first semester of B.Sc.(H) Chemistry and B.Sc. (Phy.Sc.) with Chemistry. Dr. Sachin Mittal, teacher-in-charge of the department introduced the faculty members and informed the various activities organized by the department through a power point presentation. All the faculty members apprised the students about the college life in University of Delhi.

November 24, 2020: Chemistry based **Intra Class online Quiz Competition** was organized by Dr. Kapil Bohra, Dr. Sangeeta Talwar and Dr. Sachin Mittal for students of B.Sc. Physical Science with Chemistry, semester-III. Certificate of participation were given to all the participants and three winners were given certificate of achievement.

November 27, 2020: Inaugural lecture of "COVALENCE" (The chemical society) was delivered by **Dr. Vivek Kumar Sharma**, Senior Scientist, Intellia Therapeutics, Cambridge, MA, USA using online platform Zoom. He talked about "**Synthetic Oligonucleotides as a new class of Drugs**". The lecture was organized under the aegis of DBT star college scheme by Dr. Vinod Kumar, Dr. Kapil Bohra and Dr. Sachin Mittal. Around 80 students and 10 teachers participated.



January 23, 2021: In the series of online lectures of "COVALENCE", the second lecture was delivered by **Dr. Neeta Azad**, Assistant Professor, ARSD College using online platform using Zoom. She introduced the audience about "**Molecular Modelling and Drug Design**". The Lecture was organized by Dr. Chayannika Singh, Dr. Vinod Kumar and Dr. Sachin Mittal. The webinar was well attended by more than 10 faculty members and 70 students of different branches of science.



March 06, 2021: The Department of Chemistry organized the online "**Alumni Interaction Program**" using Zoom platform. The program was organized by Dr. Mahaveer and Dr. Sachin Mittal. Three alumni of the Department, **Mr. Praveen K. Budhakoti**, Ph. D Scholar, Goethe University, Frankfurt, **Ms. Palak Manchanda**, Ph.D. Scholar, Purdue University and **Ms. Ayesha Seth**, Ph.D. Scholar Ohio State University interacted with Students of Chemistry Department and informed them about the avenues available after Graduation. They also briefly informed the attendees about the research they are undertaking at their respective Universities. Principal, Dr. H.C. Jain, present on the occasion also blessed the students and also told them the importance of research undertaken by Indian Researchers during this pandemic time.

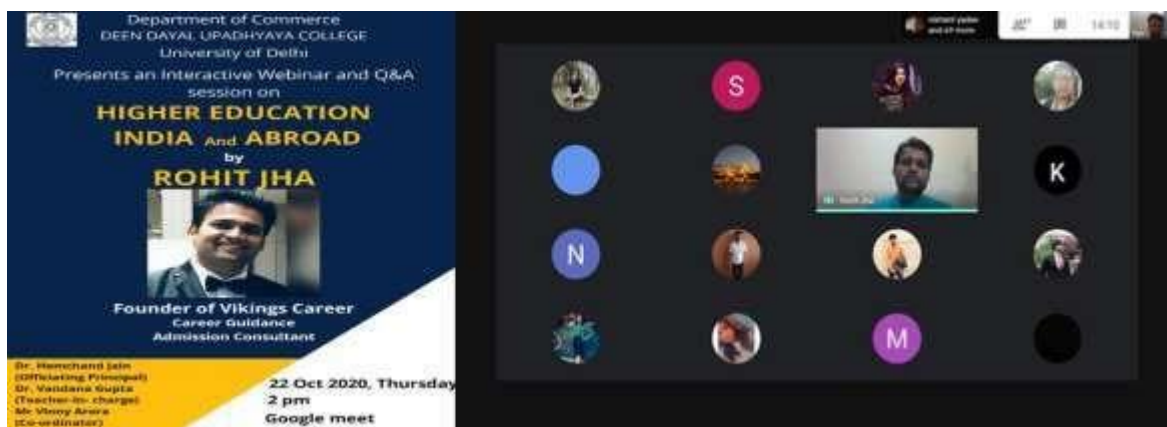
Department of Commerce

Subject Society - CommUnity

June 10, 2020: Goodbyes are always tough but it was tougher to bid adieu to the outgoing class of 2020 as it was done virtually due to the ongoing pandemic. CommUnity, Department of Commerce, Deen Dayal Upadhyaya college organized a virtual **Farewell Ceremony** to celebrate the 3 years of the current batch with all pomp and show but in an online setup. The event was attended by all the faculty members as well the students who had prepared activities to wish and celebrate with the seniors one last time.



October 22, 2020: With the pandemic came the fear of meeting people and along came anxiety amongst students for their future and career. To overcome such anxious moments and to help them keep abreast of the changing times, CommUnity, under the department of Commerce of Deen Dayal Upadhyaya College organized multiple career guidance online sessions. First amongst them was an interactive session by **Mr Rohit Jha**, Founder of Vikings on "Career Strategists on Higher Education in India and Abroad". Mr Rohit provided insights on various career options that are available to students in India as well opportunities that are available outside India. He also acquainted nearly 100 attendees present with various procedure required to get into the top institutions across the world.



November 12, 2020: As part of the CommUnity **Outreach Program**, students partnered with **Desire Society**, an organization in service of the children fighting AIDS. The students and teachers of the department organized a Diwali celebration for the children living in Desire home care facility at Noida. New clothes were given to all the children and a special Diwali treat was organized for them. Keeping social distancing in mind, the students organized an online cultural program entitled **"Roshani Ki Dhun"** to cheer everyone.



November 19, 2020: The department of commerce welcomed 170+ first year students by conducting a virtual orientation program- „Parichay“ through the zoom platform in the presence of the principal of the college and all the faculty members of the department. The orientation program saw participation and various performances from the second and final year students to welcome the incoming batch.



December 30, 2020: The Department of Commerce organized **संवाद - The Alumni Interaction Forum, Series 2020 - 1** on December 30, 2020 in a blended mode: offline and online. The Forum invited and felicitated our distinguished alumnus **CA Atul Kumar Gupta** (Batch 1991-1994) for heading the Institute of Chartered Accountants of India (ICAI) as its President for the year 2020-21.



The felicitation ceremony cum lecture was attended by faculty members, current students and alumni through google meet and through Facebook live. He gave two mantras to the present generation of students for being successful in life – firstly, to be accountable for their conduct

and secondly, to be experts in their skill so that they can be differentiated in the crowd. All in all, it was a moment of happiness and pride for the Department.

January 21, 2021: The accessibility of the internet has made people of any age privy to harassment. Since, sexual harassment violates fundamental rights and the dignity of people, the need to raise awareness about such issues and provide adequate resources for the same is imperative. To address the issue, an expert talk was organized by the Department of Commerce, Deen Dayal Upadhyaya with **Dr. Surbhi Dhingra**, Associate Professor, Deshbandhu College and Founder of POSHCA (Prevention of sexual harassment and child abuse) and lawyer on „**Draw the Line: Acceptable behaviours in adult life**’. The talk was attended by 150 students and faculty members across the college.



The students needed to be acquainted with issues of sexual harassment and informed about gender sensitization. The expert shared a set of videos to let the students identify different forms of harassment. The expert discussed the various provisions, rules, regulations and guidelines with respect to the same. The talk laid emphasis on dealing with various ways to prevent harassment, and the importance of letting the concerned authorities, know of such incidents. With the aim of empowering students about the importance of standing up for themselves and not be victimized, they were also informed about the consequences of malicious complaints.

January 25, 2021: Like every year, CommUnity, under the department of Commerce of Deen Dayal Upadhyaya College celebrated the Republic day with all the students and faculty members albeit in an online mode. The event began with hoisting of the flag and was followed by various events organized by the students to mark the historic day.



January 28, 2021: The second interactive career counselling session was conducted by **Ms. Shazia Khan**, Founder of SAND Pvt Ltd., New Delhi in January 2021. She not only enlightened about major universities for MBA but also other careers such as Law, Economics and Journalism. She discussed a variety of entrance exams for different career options. She shared her experiences as a student as well as a corporate employee. The session concluded with the question hour where she addressed the doubts of the students.



February 08, 2021: Everyone feels worried or anxious from time to time. But relatively few people develop a sense of self awareness for their emotions. To cultivate such a realistic and cognizant outlook on and of self-emotions, CommUnity, Department of Commerce, invited **Dr. Chetan Nerkar**, Counseling Psychologist for an online session on **Emotional Health and Well-being**.



Dr. Chetan started the session by making us comfortable with our current emotional state. He had prepared an activity to help us distinguish between thoughts and emotions in which we had to relate our individual personality to anything occurring naturally. He further introduced the four pillars of emotions in which we had to recognize the emotions we have encountered since the start of the day. Dr. Chetan signed off the session with assembled questionnaire which aimed at making us more aware of personality guiding emotions followed by Q&A session.

February, 2021: The final career management session was conducted in collaboration with Career Launcher in February 2021 which aimed to provide insights in building a career in management. The session was conducted by **Mr. Navneet Anand**, Business Head - MBA Prep Group. Mr. Anand emphasized upon the need to follow a structured and clear decision-making process devoid of ambiguity to facilitate a sound career choice for oneself. He also had a brief discussion about integral aspects of MBA curriculum and the importance of holding a master's degree to achieve successful career and discussing various MBA specializations like marketing, finance, human resources, & operations. The resource person also clarified doubts about entrance exams for different institutes and key requirements for those exams.

THINGS YOU SHOULD AVOID

- Being too verbose. (Keep it to point and highlight the required skill set)
- Fancy email ids (for examplekingofnewhorizon@gmail.com)
- In Personal information avoid showcasing
 - Gender
 - Nationality
 - Passport Number
 - Fathers/Mothers/Guardians Name
 - Declaration (unless the job requirement specifies it)

B.TECH RESUME

Navneet Anand

Mobile No: 98765 43210

Objective:
To work in a challenging and demanding environment, utilizing my skill and knowledge to help the organization achieve and maintain continuity in its personal growth as well as growth of the organization.

Professional Summary:
• 21 months of work experience as an Operations Executive
• Worked in various projects of an organization

Education:

- Bachelor of Technology (B.Tech) - Mechanical Engineering - 2019
- Master of Technology (M.Tech) - Mechanical Engineering - 2020
- Work Experience - 2019
- Work Experience - 2020
- Work Experience - 2021

Skills:

- Ability to work under pressure and under deadline
- Good verbal and written communication skills
- Good team player
- Self-motivated and self-learning
- Good Listener

Work Experience:

- Faculty, Operations Executive, Bangalore (2019-2020)
- Faculty, Operations Executive, Bangalore (2020-2021)

RESUME

Navneet Anand

Mobile No: 98765 43210

Address: 123, Main Road, Bangalore, Karnataka

Phone No: 98765 43210

Website: www.navneetanand.com

Objective:
To work in a challenging and demanding environment, utilizing my skill and knowledge to help the organization achieve and maintain continuity in its personal growth as well as growth of the organization.

EDUCATIONAL QUALIFICATION

Year	Institute	Course	Grade
2019	Deen Dayal Upadhyaya College	B.Tech (Mechanical Engineering)	85%
2020	Deen Dayal Upadhyaya College	M.Tech (Mechanical Engineering)	88%
2021	Deen Dayal Upadhyaya College	Work Experience	85%

TECHNICAL SPECIFICATION & SKILLS

- Good knowledge of Mechanical Engineering
- Good knowledge of CAD/CAM
- Good knowledge of MS Office
- Good knowledge of AutoCAD

ACHIEVEMENTS & CERTIFICATES

- Received a certificate of appreciation from the organization for the year 2020
- Received a certificate of appreciation from the organization for the year 2021
- Received a certificate of appreciation from the organization for the year 2022

REMARKS OF INTERVIEW

- Good knowledge of Mechanical Engineering
- Good knowledge of CAD/CAM
- Good knowledge of MS Office
- Good knowledge of AutoCAD

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February 25, 2021: Whether you are networking, applying for an internal position, or searching for jobs online, you will not get far without a professional resume. To guide students, CommUnity, Department of Commerce of Deen Dayal Upadhyaya College conducted a webinar on **Résumé Writing** on the Zoom platform. **Mr. Navneet Anand**, Business Head - MBA Prep Group was the resource person who explained what is in a profile and how to build it by suggesting some platforms for internships. He apprised the attendee of different sections of a résumé and shared tips on how to make a résumé attractive.



VYAKTITVA 2020-21

VYAKTITVA – The personality development society of Deen Dayal Upadhyay College has always excelled in developing personalities of students. Since its inception in 2015-16, it has always managed to inspire students to become a better version of themselves. Through weekly sessions, Monthly seminars and Annual fests VYAKTITVA manages to inculcate the importance of developing one's personality. VYAKTITVA has always provided students with a platform to express themselves and work with other students to help make each other better. VYAKTITVA has been very active even during the pandemic hit 2020. Every session organised by it gave an opportunity to its members to become better and better.

- ❖ In January 2020, VYAKTITVA organised sessions for its members in which they were to express themselves through small skits. It was an amazing experience in which the students were able to overcome their stage fright. The session was conducted under the guidance of Dr. Anand Saxena and Dr. Anubhuti Yadav.
- ❖ VYAKTITVA conducted another session in February 2020. The session focused on interpersonal communication and understanding other's perspectives. It was a great experience for the students to be able to learn from each other and work upon themselves.
- ❖ In the last week of February, VYAKTITVA organised its Annual fest-"NAV RAS". As the name suggests, the theme of the event was 9 emotions which were expressed through music, dance, theatre, stand-up comedy, inspirational talks and poems.
- ❖ In June 2020, VYAKTITVA bid adieu to its seniors. The farewell took place on zoom and was attended by all the students and teachers. It was really unfortunate that the seniors couldn't be given a proper send off, but everyone did their best to make it a memorable goodbye.
- ❖ In December 2020 there was a change in the Core Team. A new council was elected by the previous Council.

- ❖ VYAKTITVA organised an Orientation to welcome the freshers. It was a strange but fun filled virtual Orientation (1st of its kind). The orientation was a great experience for the juniors to get to know about the society. The special guests of the orientation- Dr. Anand Saxena and Dr. Anubhuti Yadav- inspired the students with their words of wisdom.
- ❖ Very recently, the new council of VYAKTITVA held its interviews and recruitment drive to select new members from the first, second and third year students. The judges are to be declared soon on our social media handles.
- ❖ We plan and aim to organise more such fruitful and fun events throughout the year and take our society to greater heights.

Department of Computer Science

Subject Society - Sanganika

November 18, 2020:

Student orientation programme plays an important role in a student's transition to university life. The faculty of Sanganika organized it for the first year students on 18th November, 2020 on the online meeting platform Zoom. The program started



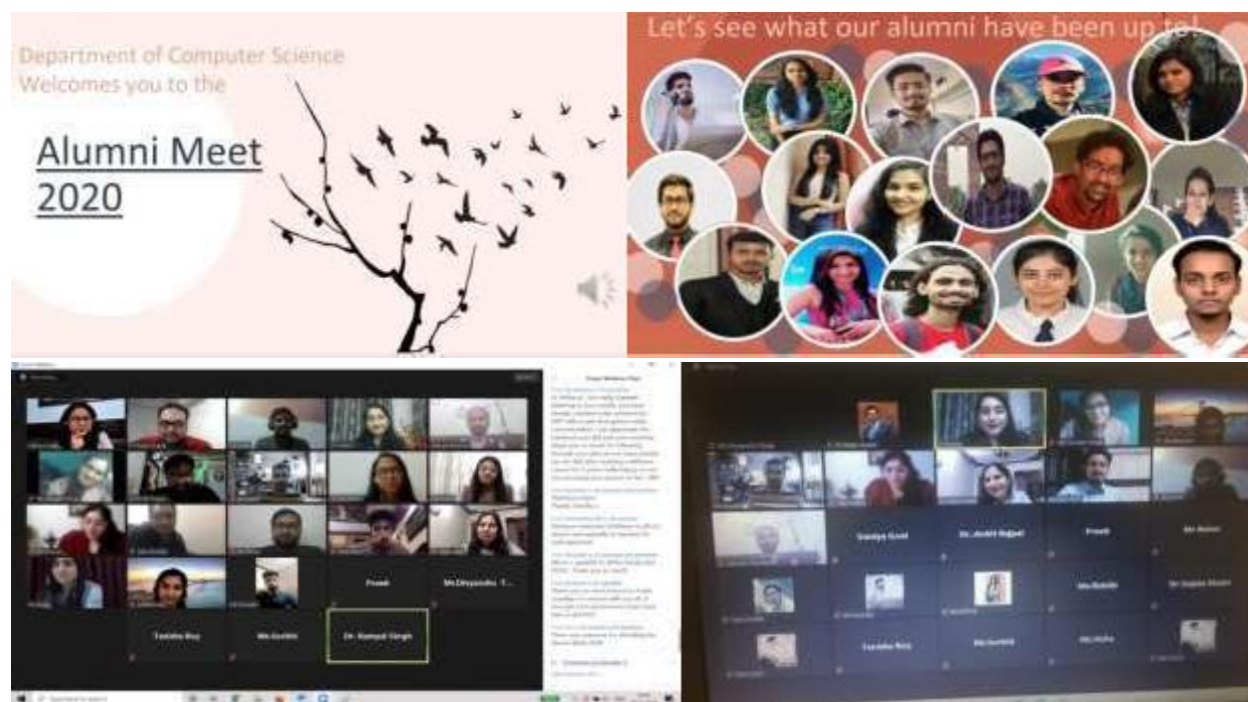
with the introduction of our Teacher-In-Charge Ms Shweta Wadhera and a welcome speech by her which was followed by the introduction of different faculty members of Sanganika Society. She gave an elaborative presentation covering the academic and co-curricular aspects of the

Computer Science Department and the courses run under its umbrella. The students of first year were given a virtual campus tour and introduced to the different societies of the college. This was followed by a speech by Dr. Hem Chand Jain, Principal of Deen Dayal Upadhyaya College where he shared the vision and mission of the college.

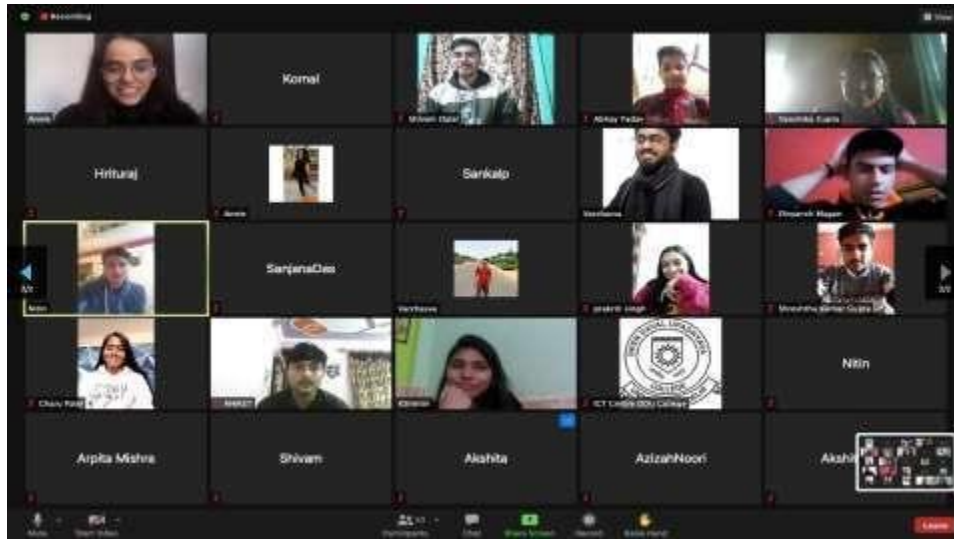




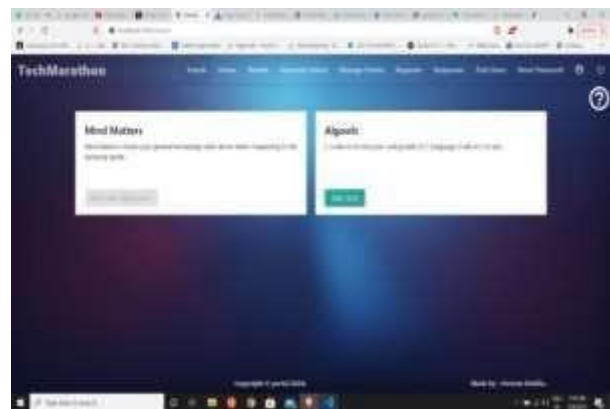
November 25, 2020: Department of Computer Science, Deen Dayal Upadhyaya College organised an Alumni Meet on 25th November, 2020 via online platform Zoom. It was attended by about 100 students and teachers. The Alumni were **Mr. Jatin Rohilla** (2017), **Mr. Rahul Dewan** (2017), **Ms. Shreya Bhutani** (2017), **Ms. Bhavika Verma** (2017), **Ms. Surbhi Mittal** (2017), **Mr. Krishna Agarwal** (2018), **Mr. Ayush Kumar Singh** (2018), **Mr. Ashutosh Trivedi** (2018), **Mr. Sahil Nishal** (2018), **Mr. Ankush Khanna** (2018), **Ms. Neha Tomar** (2019), **Ms. Ayushi Agarwal** (2019), **Ms. Gunjan Ahuja** (2019), **Mr. Divyanshu Tyagi** (2019), **Ms. Alisha Wadhera** (2020), **Ms. Riddhi Kwatra** (2020) and **Mr. Saurabh Anand** (2020). The event began with a warm welcome speech by Ms. Shweta Wadhera. The Alumni were introduced by the event host Vaniya Goel. Every alumnus shared their journey and experiences as a student and how they explored their options for the future. They also advised the students on how they should prepare for their lives ahead and pursue their dreams in Academic and Professional Careers. A healthy interaction took place among the Alumni, Students and Teachers. The Alumni Meet ended with short appreciation speeches from the teachers expressing their pride for their students who have achieved great heights in their lives and a message for the current students to learn from them and surpass them.



January 12, 2021: The purpose of Fresher's Party is to welcome new students in a friendly atmosphere and to encourage their creative impulses to boost their confidence. The fresher's party was organized for the first year students on 12th January, 2021 in virtual mode. The program started with lamp lightening and speech by our Teacher In-charge Mrs Shweta Wadhera. A compilation video of the introductions and talents of the freshers was then played by the hosts. Second year students presented their performances and then moved on to the games. Divyansh Magan & Sanjana Das were chosen as the Mr. and Miss Fresher, respectively. Most Talented Fresher was Pranjal and the Most Savage title was won by Prakriti Singh.



March 05 - 06, 2021: The Computer Science Department of Deen Dayal Upadhyaya College organized their annual tech fest, **Tech-Marathon 2021** on 5th & 6th March, 2021. The fest had a combination of technical and non-technical events. New events were added this year. There were a total of ten events - **App Combat, Algowls, Techwars, Tech Escapade, Bamboozled, Webgators, Bumble Jumble, Battle of Bytes, Code Bender and Online Gaming**. The entire fest was organized online. Prelims were organized



on a portal designed by the students of Computer Science Department themselves, while the finals were held on Google Meet and Classroom. The department teachers provided the required technical support and guidance via online platforms. The fest had an overall count of more than 1000+ registrations with an average of 100+ registrations per event. Tech Escapade, The new event introduced in collaboration with the CodeChef Chapter was a huge success with more than 200+ registrations and was well appreciated by the participants who provided us with valuable feedback.

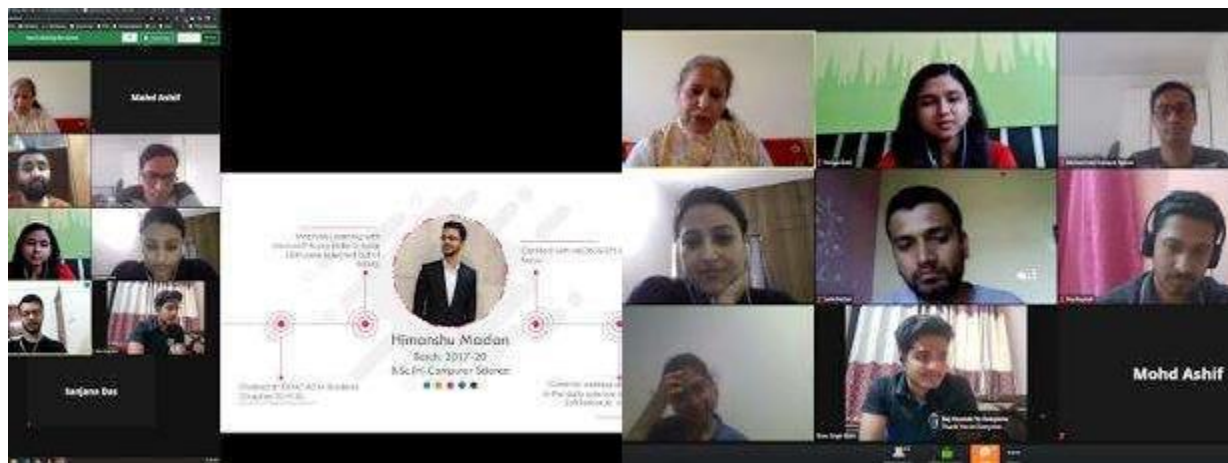


***Core team at work on campus on the event day**

February 23, 2021: The Computer Science Department of Deen Dayal Upadhaya College organized an online quiz competition, Mind Benders for the college students. The questions were based on C++, Python and Java. The quiz was organized on a portal designed by the students themselves. The department teachers provided the required technical support and guidance via online platforms. The quiz witnessed a registration count of 150+ students.

April 17, 2021: An alumni meet was organized by Dr Arpita Sharma, Convener, Alumni Committee of the Computer Science Dept on Saturday, 17th April 2021 from 10 am to 1.30 pm. 15 Alumni joined the event and addressed 110 students of B.Sc.(Hons) Comp Sc. Students. 5 Faculty members were present.





Two women alumni Mrs Anushree Dixit and Mrs Ekta Kalra encouraged the female students to join IT industry. Both of them had more than 10 years of industry experience. Ankush Khanna who was a very bright student and an ace competitive coder of the college emphasized the importance of competitive coding to get into good and reputed IT companies. Himanshu Madan, who has graduated a year before narrated how he managed to get a very good job after doing a cloud computing certification after graduating from the college. Many other alumni addressed the students and answered the various queries posed by students.

Department of Electronics

Subject Society – Silizium

June 17 – July 17, 2020: Department of Electronics and MHRD – INSTITUTION'S INNOVATION COUNCIL (IIC) - DDUC CHAPTER, (Under the aegis of DBT Star College Program, Electronics) Organized an Online Internship - cum - Hands-on Training Workshop on "Verilog Implementation of Digital Circuit Designs on FPGA using Vivado" from June 17, 2020 – July 17, 2020 in collaboration with CoreEL Technologies. CoreEL Technologies is the Sole Authorized Partner of Xilinx University Program (XUP) in India. It was a 40 hour teaching with hands on experiments program where Dr. Poonam Kasturi, Associate Professor, DDUC and Mr. Ankur Sangal took 20 hours each. Dr. Poonam also mentored the project work of the students for another 7 days. In total 63 participants registered for the internship program. The participants were undergraduate students, post graduate students, research fellows and a few faculty members also. The participants were from 22 different institutes all across India.



November 21, 2020: The orientation cum Induction Program – „DEEKSHARAMBH“ for the department was organized on November 21, 2020. The new batch of students were welcomed by their seniors and faculty members and given a warm welcome. Thereafter, they were introduced to the course details and various activities organized by the department. Six different councils were formulated during the Deeksharambh program. The session ended with a small quiz for the first year students.

November 28, 2020: A Webinar on “**Visualization of Earth observation Data and Archival System (VEDAS) Program**” was delivered by **Mr. Shashikant A Sharma**, Scientists G & Group Director, VEDAS Research Group – EPSA, Space Applications Centre, Ahmedabad. A total of 121 students participated in it.







Department of Electronics, Deen Dayal Upadhyaya College
MoE-Institution Innovation Council DDUC Chapter
Science Foundation
 (under the aegis of DBT Star College Program)
Jointly Organizes

Visualization of Earth observation Data and Archival System (VEDAS) Program



Shashikant A Sharma
 Scientists G & Group Director, VEDAS Research Group - EPSA
 Space Applications Centre, Ahmedabad 380015

November 28, 2020 at 04:30 pm

Dr. Manoj Saxena
Convener-Sc. Foundation
Program Coordinator, DBT Star College Program

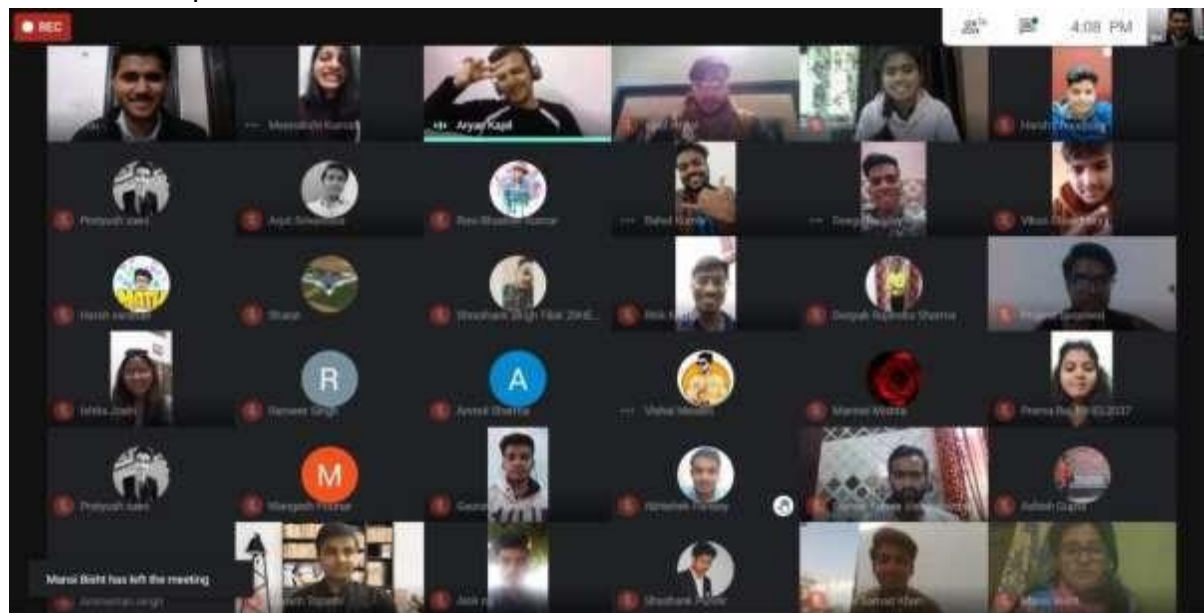
Dr. Poonam Kasturi
Teacher-in-Charge, Department of Electronics
Convener-DBT Star College Program (Electronics)

Dr. Hem Chand Jain
Officiating Principal

December 02 - 08, 2020: During the orientation cum Induction Program – „DEEKSHARAMBH“ a 7 days National level Skill Enhancement Program on “Programming ATmega Microcontroller using ARDUINO IDE” for Science Students was organized by the Department of Electronics, Deen Dayal Upadhyaya College, University of Delhi, under the DBT Star College Program. The

students from the various Indian States participated to explore new things. The main aim was to make the students first feel comfortable in their new environment, open them up, create bonding and connect them with new things such as sensors, mechanics, control, programming the microcontroller, to see how it works and controls various aspects be they of biology, zoology, chemistry, physics, mathematics or computers, and help them to explore their knowledge in interdisciplinary fields. More than 150 students from 13 different states and 39 different institutions participated in the workshop. The sessions were taken by the alumni of the department, Ms Sonam and Mr Ajay Joshi along with current batch students Mr Raghvendra Pratap Singh and Mr Ashutosh Mishra. This event was Alumni Interaction through Skill Enhancement Program.

January 31, 2021: "REUNIRSE" the fresher's party for the newly arrived batch of 2020 was organized on 31st of January 2021 through „GOOGLE MEET". Raghvender (secretary) and Rahul (joint secretary) started the program with the usual introduction and invited Dr. Poonam Kasturi, she gave a warm welcome speech to juniors. Total of three events were organized including ELECTRONIC MEME THEORY, GUESSING MOVIE NAME and guessing the dialogue with the help of one single word. Mr. Fresher and Miss. Fresher, 2021 were selected and awarded with prizes.



January 25 - February 04, 2021: Department of Electronics, Deen Dayal Upadhyaya College, University of Delhi, under the aegis of DBT Star College Program, organised an online Workshop on **PCB & Circuit Designing** scheduled from 25th Jan 2021 to 4th Feb 2021. The workshop was jointly organized with **National Small Industries Corporation (NSIC)**, A Government of India Enterprise and MoE-IIC-DDUC Chapter. The NSIC Technical Services Centre in Okhla, New Delhi is serving MSME units by providing skilled & professional workforce through its training programmes on demand driven, industry-oriented courses in the fields like Mechanical Workshop, Information Technology, CAD/CAM & CNC, Multimedia & Animation,

Electrical & Electronics and Entrepreneurship Development. The program was evenly distributed in 10 sessions each of 2 hrs duration per day targeting different aspects of PCB & Circuit Designing. Mr. Piyush Singh and Mr. Sanjeev Pathak from NSIC were the experts for these sessions. Students got opportunity to get familiar with the Proteus Design Suite mainly used by electronic design engineers in industry, which is a Windows application for schematic capture, simulation and creating electronic prints (i.e., PCB layout design) for manufacturing the printed circuit boards (PCB). Exposure to other PCB Designing tools such as Pad2Pad, Eagle and OrCAD were also given. 82 students of different years benefited from this workshop.

February 12, 2021: Silizium-The departmental society of electronics science (DDUC) in collaboration with MOE- IIC – DDUC chapter (under the aegis of DBT Star College Program)- Electronics organized a webinar on the topic “**Power Management Integrated Circuits: (PMIC) Fundamental and Technology**” on 12 February, 2021 on zoom platform. The webinar started with the welcome of the speaker: **Dr. Ciby Thomas Thruthiyil** (Director of Electronics, process Technology Dialog semiconductor INC.,SANTA CLARA USA) , by Dr. Poonam kasturi (TIC of Department of Electronics), Dr. Manoj saxena (coordinator , DBT Star College Program) and all the students. Dr. Ciby first gave a brief description of Dialog semiconductor and then explained in great detail the issues and need of power management concepts. 100 students attended the webinar and many of them were not aware of this concept.



February 19, 2021: Silizium- The Departmental Society of Electronics science (DDUC) in collaboration with MOE-IIC- DDU Chapter under the Aegis of star college programme - Electronics organized it's first webinar of the **Electronics Alumni Lecture series** on the topic- **SoC/ASIC Verification**. Dr. Poonam Kasturi (Teacher-in-Charge, Department of Electronics) started the webinar at 2.00 PM by welcoming the Guest Speaker, **Mr. Mohit Kr. Jaiswal**, an SoC verification Engineer at Intel Technologies India Pvt. Ltd., Bengaluru. Mr Jaiswal is an Alumni of Electronics department, from the B.Tech batch of 2013-17. He has done his M.tech

from Calicut. Mr. Mohit apprised the students about ASIC (Application Specific Integrated Ckt.), SoC (System on Chip) & it's applications. He also told about the simulators available for design verification, which can be used by all. A total of 100 students attended the session. The speaker gave a word of advice to all the attendees about how to look upon their career path & where to focus. He talked about the importance of practical knowledge over bookish knowledge.

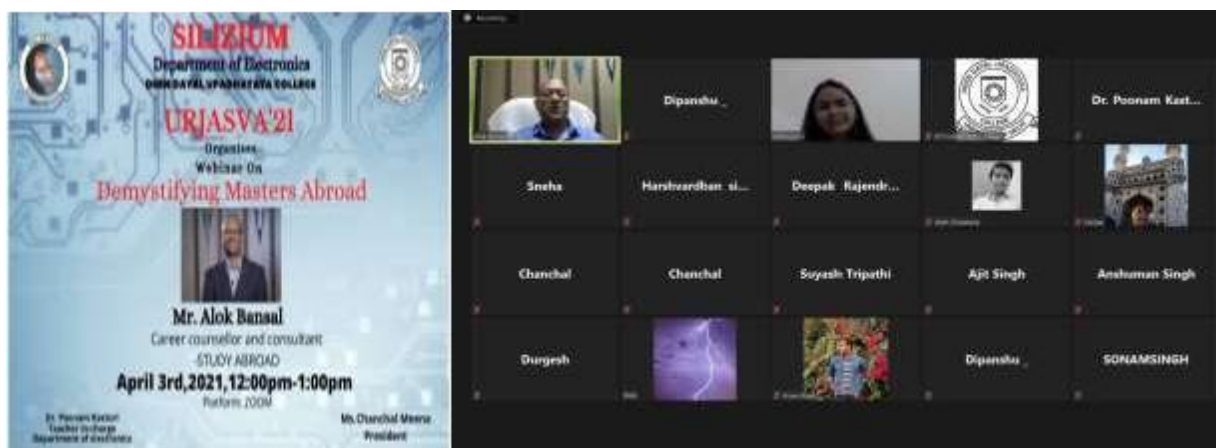


March 01, 2021: The Career Counseling Society of the departmental society of Electronics, Silizium on 1st March, 2021 organized the first webinar of the series titled „**IC Series – Interact & Connect**’. The session commenced with the briefing of the series, highlighting the points that it aims to provide. The speaker of the session was **Ms Sonam** (alumnus of the batch of 2020). The agenda of the webinar was to bring out the career options after B.Sc. (H) Electronics and the scope of the electronics field. Teacher convener of Silizium, Dr. Poonam Kasturi lauded the efforts of the students for coming up with the brilliant idea that would surely create awareness amongst students and open up windows of opportunities for them.



April 03, 2021: Silizium - The Departmental Society of Electronics, Deen Dayal Upadhyaya College, University of Delhi, organized the 2021 edition of its annual festival- URJASVA (National Level). It was a two-day event, where a plethora of events were organized in the online mode, ranging from technical to cultural.

- ❖ A WEBINAR was conducted on 3rd April 2021 under URJASVA „21 the annual fest of department of electronics of Deen Dayal Upadhyaya College Delhi University to clear the various myths on studying abroad. The topic of the webinar was “**Demystifying Studies Abroad**” and the resource person was **Mr. Alok Bansal**, Career counselor and Consultant study abroad. He is also the founder and CEO of ALETHIA EDUCATION SERVICE. He has also been credited with the growing IMS test preparation in Delhi till 2018. During the webinar he shared his experiences with the students from various different institutes and how he helped them to achieve their future goals. He motivated students to study abroad and told them the various eligibility criteria for different courses and international colleges. The webinar was conducted through ZOOM platform. More than 150 students from departments like mathematics, physics , chemistry and computer science participated in the webinar. The webinar was commenced by Teacher-in-Charge, Department of electronics, Dr. Poonam Kasturi.



- ❖ The Career counselling cell and The Internship Council of Department of Electronics together organized The Panel Discussion and Interaction Session on the topic “**OPPORTUNITIES IN ELECTRONICS**” on the first day April 03, 2021 of our annual fest “URJASV”21”. The panel comprised of four panelists who discussed about the vast opportunities in the field of electronics and gave an insight to the students how they can shape their career. Conversation starts with the formal welcoming by Teacher Incharge Dr. Poonam Kasturi. Dr. Kasturi welcomed the guest and gave a brief about various events organised under the Urjasva”21. Thereafter, Session starts with approx 70 attendees from DDUC itself and other institutions also. The first panelist of the session was Mrs. Sarika Aggarwal, principal program manager at STmicroelectronics PVT. Ltd. Mrs. Aggarwal gave a fine idea about how industry works as having 20+ years of experience with the same. The second panelist was Mr. Ankur Sangal, Lead Application

Engineer in Coreal Technology which is training partner of Xilinx. Mr. Sangal taught the students about VLSI and its importance in the field of electronics and also mentioned some companies where students can apply for internships. The third panelist was Mr. Rahul Soni, an alumnus of DDU college, Department of Electronics, co-founder of Trydan Clean Tech. Pvt. Ltd. Trydan Clean Tech. Pvt. Ltd. is a startup mainly concerned with charging stations of electric vehicles. From his experience Mr. Soni told the students how the interested ones can go into the startup industry. The final panelist of the session was Mr. Madan Gopal Mekala, a corporate trainer and placement consultant with Star VLSI Service Ltd. Mr. Mekala scanned the whole syllabus of the B.Sc(H) Electronics and highlighted the core subjects that needs to be studied carefully and gave a vast list of job categories on which the students can build their career on.



❖ **Circuit-Ment**

The event consisted of two rounds that were held online. First round was an **online quiz competition** held on 31st March 2021. Quiz consisted of questions from electronics to test the participants of their basic knowledge of networks and circuit making. The Final Round was conducted on the Day-1 of URJASVA, i.e April 03rd, 2021,

Saturday. The contest ended with submission of circuits and their videos in the google form. The number of participants is around 32.

❖ **Brain Fizz**

It was an online contest where the participants had to use their skills and knowledge to **find the solution of the chosen problem statement**. The aim of the contest was to provide a platform to all the students to showcase their practical and technical knowledge. In this event participants got 20 Questions which were based on routine work like attendance system, fast mobile charger and many more questions which were selected by the team. On one of the given problem statements participants had to make a presentation and video explaining their technical solution of the problem. The number of participants was around 24.



❖ **FOCUS**

"FOCUS" - The **photography competition** was organized by SILIZIUM society on 3rd APRIL 2021. With an audience of more than four thousand FOCUS was one of the most successful events of URJASVA'21.

❖ **IDEATHON**

Ideathon is basically an idea marathon of **business idea competition** to sharpen the innovative thinking of students. The aim of the contest was to provide a platform to the young minds where their imagination and innovation could find expression. It was an online contest where the participants had to design some innovative entrepreneurial ideas related to electronics and listed tracks, and they prepared an abstract of their proposals. There were around 20 entries.



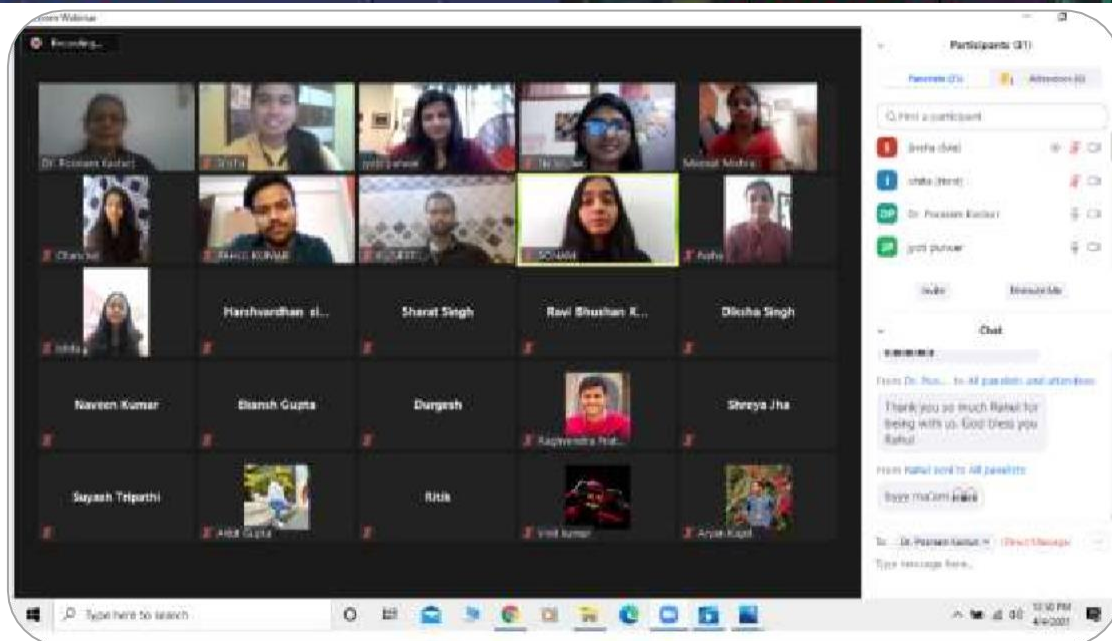
❖ **TECHNIX – TINKER : Make the Circuit**

The event consisted of two rounds that were held online. First round was an online elimination round held on 1st April 2021. It consisted of 10 Multiple Choice questions from electronics to test the participants of their basic knowledge of networks and circuit making. In the first round, out of 50 entries only 22 students made it to the second round. The Final Round was conducted on the Day-1 of URJASVA, i.e April 03rd, 2021. In the final round the contestants made their circuits in the back end and questions of

their circuit making were framed. The contest ended with submission of their solution on the Zoom platform.

❖ **CREATE - RECREATE**

Create-Recreate: It was an online contest where the participants had to **create/recreate looks** inspired by movies/shows/comics characters. The aim of the contest was to provide a platform to the young minds where their imagination and creativity could find expression. There were around 14 entries from Universities of different States of country.



April 04, 2021: The Department of Alumni Affair Council of the Departmental Society of Electronics, Silizium organized its Annual Alumni Meet "ALUM MUSTER"21"on 4th April, 2021. The meet commenced with a series of introductions of the alumni. They shared their beautiful college memories and valuable experiences and guided all the students with a number of opportunities. There were a number of performances and games which the students prepared specially for the alumni. The meet ended with a beautiful video of the college and glimpses of URJASVA"21. At last the meet concluded with Dr. Poonam Kasturi appreciating the alumni and the students for organizing such a beautiful alumni meet.

Department of English

Subject Society – Zest

August 07, 2020: A meeting of ZEST, the subject society of English was held on 7th of August, 2020 at 4 pm on MS Team. The meeting was organized to orient the third and fifth semester students of English honours to orient them towards online classes. Six faculty and around 35 students participated in the meeting. The meeting began with introductory statements by the faculty. The students were congratulated by all faculty members for their success in scoring well in the second and the fourth semester despite the enormous stress of the pandemic. Mr. Ranbeer explained the Team software to the students and familiarized them with it. Another session for explaining google platform was scheduled for later.

September 04, 2020: The Zestians celebrated the first-ever Virtual Teachers' Day Celebration on the 4th of September 2020 at 11 am on Microsoft Teams. Students gave live performances like singing, poetry and some performances in the recorded form like piano playing in the regards of teachers. The event culminated with the Vote of Thanks proposed by Krishna Sehrawat and the Zestians united hand in hand although they were stuck in distant lands and finding the zest in "Zest".

November 19, 2020: The Zest organized the orientation program for the first semester students. All the newly admitted students participated in the online orientation. The senior students acquainted the new students with the values of Zest and introduced all the freshers to the course and the college. All the faculty of the department too participated in the event and interacted with the students.

November, 2020: Under the aegis of Zest, a few special lectures were held during November, 2020. **Dr. Nirmalya Samanta, Dr. Madhvi Zutshi** and **Mr. Rudrashish Chakraborti** presented their ideas and interacted with the students.

February 24, 2021: An interactive session with the students who passed out last year was conducted to discuss the Open Book Exam. The session was led by alumnus Ms. Shailaja Kaushik. An ice-breaking session was held on the 24th of February, 2021 online. The students

dressed up as literary characters and presented themselves. An open mic event was also organized as part of the event in which videos of participants' recordings were played.

Department of Humanities

Subject Society – Abhivyakti

November 19 - 20, 2020: After the official Deeksharmbha by the college, the Department of Social Sciences and Humanities also held its own online Introduction and Interaction session with the newly admitted students on 20th November 2020. Dr. Nitumoni from Political Science presented department's and its Society Abhivyakti's history in brief in an interesting way giving the students a glimpse of the past events and achievements of the students and faculty with pictures and videos. It was an interactive session also as the students also asked questions and felt as if they were in the class in a physical mode.

November 27, 2020: An **online annual Alumni Lecture cum - meet** was organized by the department for knowing about an ex alumnus and his experiences during his college days. The Alumnus this time was Mr Sandeep Kumar, 2012-15 batch BA student and now a commercial Tax Officer with the Govt. of Uttar Pradesh. It was a wonderful session and a hit as the speaker spoke in Hindi and told the new students how he felt alone and out of place in college when the classes were held in English but he kept trying till he mastered the language and made friends and became popular and ultimately got through the UPSC Exams. In 2020, he was kind enough to accept our request to address his junior college mates. The students asked many questions about how to prepare for the competitive exams.

December 02, 2020: Dr. Radha Madhav Bharadwaj, as TIC and Convener, organized a History Panel Discussion on „**The Scourge of New Corona Virus 2019-20—History, Historiography and Challenge** :

Society and Economy’, with IQAC Cell of Deen Dayal Upadhyaya College, 3:00 pm – 5:00 pm on zoom in which he presented his paper on the given topic for introducing the theme and subject for the panelists and the listeners. It was also addressed by Head of History Department Professor Seema Bawa and Principal Dr. Hem Chand Jain. The panelists comprised of Dr. Shankar Kumar (Hindu College, DU), Dr. Himanshu Prasad Roy (Atal Chair and Fellow, Nehru Memorial Museum and



Library, New Delhi), Dr. Sushma Jatoo (Director, Nari Prakalp, Indira Gandhi National Centre for the Arts, New Delhi), Dr. Rajiv Kumar (MBBS, MD, DM (Neurology), Director, Max Hospital,

Warrangal, Telangana) and Dr. Chandra Shekhar Paswan (Asth. Professor, Gautam Buddha University, Greater Noida, UP). It was well attended by about 100 people and speakers were from outside Delhi and thus was a NATIONAL Level Panel Discussion on the history and challenges of this Pandemic and the history of the virus humanity has faced and coped with and how to sustain during the challenging current pandemic when the virus is mutating and taking various forms and the virologists are finding it tough to come up with the vaccines any time soon.

January, 2021: An unusual kind of election, not done earlier, was held by the department when, at the request of the students, online elections for the posts of President, Vice President, Secretary and Jt. Secretary were held and after proper interviews and fielding 5-6 general questions, the results were declared and office –bearers for the academic session 2020-21 were declared elected from amongst many contestants for the department Society Abhivyakti.

January 16, 2021: The senior students organized an online department orientation- cum- interaction and get together. It was also a success as the students came to join in large numbers decorated in colorful costumes and prizes were declared for the meritorious newcomers.



February 11, 2021: Under the Convenership of Dr. R.M. Bharadwaj, TIC of Social Sciences and Humanities, Ms. Sangita Kumar, faculty from the Economics department, organised an online lecture on „**Industrial Policy Resolution 2020-21**“ on Zoom to apprise the students about the new Industrial Policies enacted by the Govt. of India. The Speaker was **Dr. Anand Singh Bhala**. Dr. Radha Madhav Bharadwaj, blessed the students and presented vote of thanks to the respected speaker and the organizer of the event.



February 23, 2021: A Seminar-cum-Webinar on „**Three Agricultural Laws and the Adhati's Movement**“ was organized by the department under the Convenership of Dr. Radha Madhav Bharadwaj, TIC, and under the co-ordinatorship of Dr. Nitumoni Kakati, a faculty of Political Science. The speakers comprised of Adv. Manish Mohan, Standing Committee member, Govt. of India, Mr Roshan Kumar, Asstt. Professor, Zakir Hussain College, DU, Mr. Kumar Pratyush, Sr. Journalist, Republic TV, Prof. Debal Singhroy, IGNOW, Dr. Bhuvan Kumar Jha, Fellow, NMML, Teen Murti, New Delhi and Dr. Himanshu Prasad Roy, Atal Chair, NMML, Teen Murti, New Delhi. The speakers threw light on the aspects of the Agricultural Laws and the current movement against it by the Aadhati middlemen peasants.

February 26, 2021: Dr. Sumanbala Manchanda and Dr Savita Gauatm, Senior Faculty and Associate Professors in Hindi, organized a lecture on “**Kabirdas**” under the convenership of Dr. Radha Madhav Bharadwaj, Teacher-in-charge of the department of Social Sciences. The speaker was **Prof. Kailash Narayan Tiwari** of the Department of Hindi, DU. Dr. Sumanbala Manchanda introduced the theme of the lecture and Dr.Savita Gautam presented the vote of thanks. It was well attended by the students and the faculty and the inspiration imbibed by the lecture was perceptible by the number of relevant questions put up by the students.

DEPARTMENT OF MANAGEMENT STUDIES

Spettro, Student Society of the management department of Deen Dayal Upadhyaya College was set up by the students of the Department of Management Studies for the sole purpose of developing students with effective human, technical and conceptual skills, along with comprehensive knowledge of the core functional areas of management.

14 May 2020: Bond sessions: - TCC, the placement cell of management studies, took initiative to conduct various **Bond Session 1 - The Alumni Webinar Series**. The aim was to make the current batches connect with the alumni who did well in their fields and get their queries

solved. In the first episode of the Bond Series, **Ms. Divya Jain** was invited, who shared her **Cat prep, B School experience** and valuable career insights. She had completed her MBA from IIM-Indore (2020 Batch) and is a PPI holder at Xiaomi.



28 May, 2020: Bond Session 2: In the second episode of the Bond Series, **Ms. Poorva Gupta** (Batch 2018) was invited, who shared her GMAT, ISB-YLP, Internship experiences and valuable career insights focusing on the topic **Startup vs Corporate** with us. A total of 46 students attended the session.



6 June, 2020: Bond Session 3: In the third episode of the Bond Series, **Mr. Karan Saharan** (Batch 2010) was invited, who shared his experience of **founding 3 startups**, his Long stay initiative at OYO and his insights on why he quit his steady job as a manager at EY. A total of 47 students attended the session.



13 June, 2020: Bond Session 4: In the fourth episode of the Bond Series, **Ankit Bhaskar** and **Sahil Matta** (Batch 2017) were invited, who shared their experience of **working in top consulting firms** with us. A total of 38 students attended the session.

21 June, 2020: Bond Session 5: In the fifth episode of the Bond Series, **Aashna Kapoor** (Batch of 2017) was invited, who shared her experience of **clearing all 3 levels of CFA** and working as an **Investment Banker**. A total of 45 students attended the session.

29 June, 2020: Bond Sessions 6: In the sixth episode of the Bond Series **Shweta Arora** (Batch of 2019) was invited, who shared her **transition from college to corporate**, and experience of working as a Risk Analyst in Morgan Stanley and clearing all levels of FRM. A total of 35 students attended the session



5 July, 2020: Bond Session 7: In the seventh episode of the Bond Series, **Tushar Diwan** (Batch of 2016) was invited, who shared his experience of **working in the Aviation Industry** (India and abroad) and of pursuing his MBA from ISB. A total of 52 students attended the session.

9 July 2020 – 12 July 2020: Instagram Premier League:- Entrepreneurship Development Cell conducted first of its kind online IPL (bidding event) exclusively on Instagram. The event was conducted using only the features provided by the Social Media Platform in which 200+ students from all over India participated.



22 August 2020: TCC conducted a **workshop on GD and PI** for the students of DDUC. Speakers of the session who shared insightful tips along with their vast experience and knowledge with the students were -

1. CA Nikhil Jain - Working as a transaction advisory consultant with KPMG
2. CA Sourabh Virmani - Working as an M&A consultant with KPMG, Venky alumni (Batch of 11-14)



5 September, 2020: Bond Session 8: In the eighth episode of the Bond Series, **Saarthak Gosain** (Batch of 2017) was invited, who shared his experience of **being an Actuary, studying in London and working with M&G**. A total of 48 students attended the session.

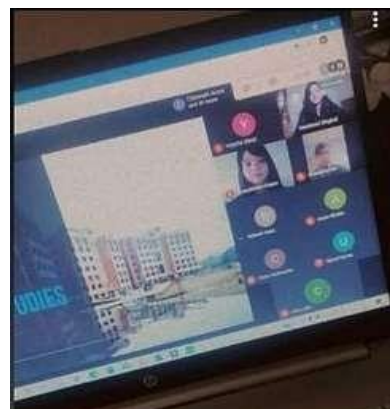
18 October, 2020: Bond Session 9: In the ninth episode of the Bond Series, **Ritesh Dubey** (Batch of 2011) was invited, shared his journey from being a **Management Consultant in Bain to doing a Ph.D. in Law**. A total of 40 students attended the session.

27 October 2020: Orizzonte'20:- Orizzonte is a one of a kind management fest curated exclusively for school students to transport them into the world of business and management. Despite the interesting proposition of a completely online platform, the Department of Management Studies feels extremely proud to state that Orizzonte'20 was massively successful, witnessing the participation of 300+ school students and 25+ schools across the capital. Students of Venkateswara International School and JB International School shined through and made their schools proud by bagging the most amount of prizes amongst many others. E-Certificates were presented to all the participants.





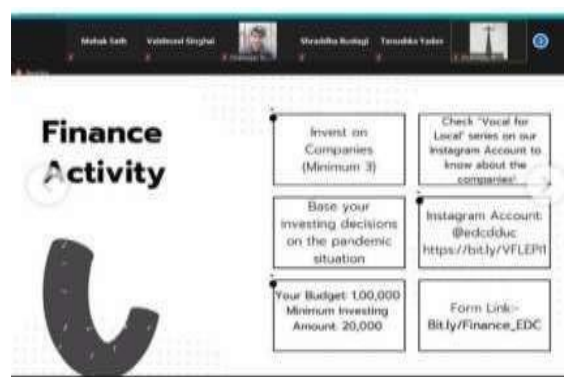
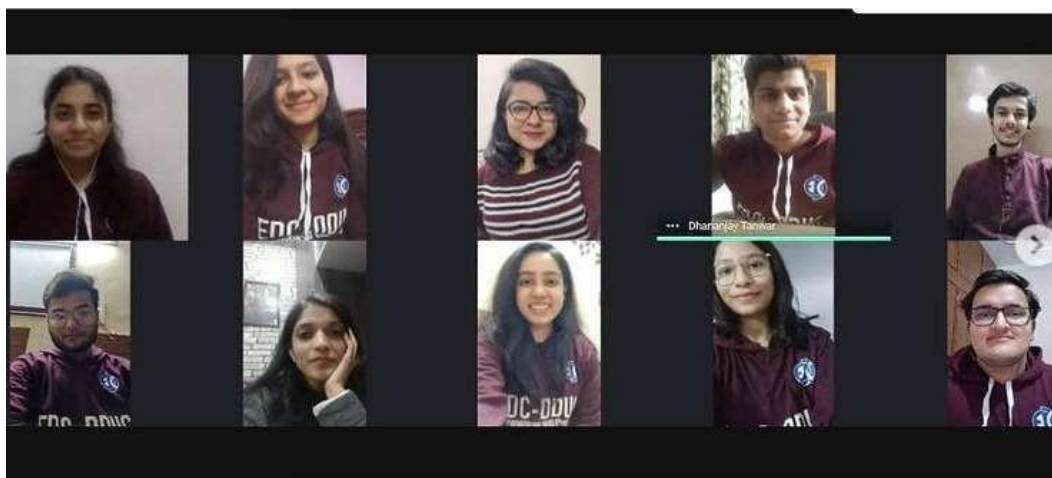
19 November 2020: Orientation'20- Moving forward with this vision, the department has a unique pedagogy, has numerous student run societies, frequently conducts umpteen events. All of this was explained in detail when the upcoming batch had their long awaited welcome in Orientation'20. All the teachers of the department interacted with the fresher's to give them a little glimpse of about what is going to be a BMS student.



The department of management studies has 5 active societies. They are the Training and Career Cell, the Entrepreneurship Development Cell, the Social Responsibility Cell and 180dc. A series of webinars was conducted by these societies during orientation to acquaint the student with what lies ahead of them.

23 November 2020: EDC Orientation: EDC organised its orientation ceremony on 23rd November for the freshers, hosted by the President, Dhananjay Tanwar and vice President Vaishnavi Singhal.

It saw a participation of 300+ students from first, second and third years. It was addressed by the cell's convener Mrs. Yogieta S. Mehra. A message from Mr Aditya Arora, CEO of FAAD Network Pvt. Limited, was truly inspirational for the attendees. After that, some interactive fun activities were conducted and the winners were awarded with prizes.



25 November 2020: SRC Orientation: SRC conducted its orientation on 25th November 2020. The speakers for the session included Mr Prafful Garg, CEO and founder of Bookmyppg and Yunity; and VJ Aman , National President Youth - Aasmaan Foundation. The orientation session was also graced by NGOs like MAD, Aashman Foundation & IVolunteer. Heads from these NGOs interacted with students and provided internship opportunities to the freshers.



2 December 2020: TCC Orientation:- TCC aims at enabling the students to explore the emerging opportunities in the corporate sector. The orientation session this term was an attempt into increasing the familiarity of the new recruits into everything that goes into making fruitful corporate connections, resume building and much more.



6 December 2020: 180dc Orientation:- 180 dc conducted its orientation cum alumni interaction for the new members and provided them with insightful details on the working and vision of our organization. The members were told about the essence of being a consultant and the importance of helping the community with your knowledge. The students also interacted with our alumni Ankit, Sahil and Vaibhav who are working at Korn Ferry, Bain and Mckinsey respectively.



27 December 2020: Freshers'21:- The department of Management Studies conducted Freshers for the new students where they got to interact with all their batch mates, seniors as well as super seniors and perhaps take the first steps towards creating life long, meaningful relationships. Various activities were organized to make the new students welcome in DDUC.

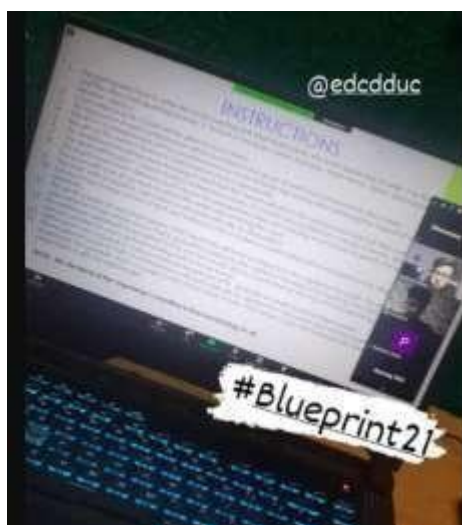


19 January 2020: In-house case competition:- 180dc conducted their official in-house case competition where the students were divided into several teams and a mentor assigned to each of them. The teams were made to face a comprehensive and analytical business problem and were expected to present their solution after a stipulated period. The students got a deep insight into the aspects of research, presentation, and problem solving. The winners of the competition were also assigned a client seeing their skills and teamwork. This competition is the first step towards making DDUC a focal point for greater international collaboration and learning..



15 February 2021: Mèlange'21:- It is the annual management fest of Spettro. 8th edition of Mèlange, i.e; Mèlange'21 was conducted on 15th February after a break of 3 years, though virtual but nonetheless it succeeded in being one of the best management fest of the season. This fest marked participation of around 1000+ students from the best colleges all over India. 4 events were conducted in this mega fest, namely:-

- ❖ Alohomora: The Marketing Event
- ❖ Couch Potato: The Fun Event
- ❖ Zero to One: The Core Management Event
- ❖ Trade-o-Poly: The Finance Event.



March 1 – 5, 2021: Blueprint'21:- It is the annual entrepreneurship fest organised by EDC. Blueprint'21 went far beyond anyone's imagination and conducted the E-week full of intriguing

events, each day focusing on different aspects of management and entrepreneurship. The event saw a participation of 1800+ participants from all over the country.

Total of 10 events were conducted throughout this e-week. To mark the beginning of this fiesta an opening ceremony was conducted on the morning of Day 1 and the day concluded with a live musical performance by the band Bad Trip.

DATE	DAY	EVENTS	
1 March 2021	Finance Day	Hammer's Gambit	Mismatched Corporates
2 March 2021	Social Day (In collaboration with SRC)	The Divergent SoSell Ideas	
3 March 2021	Case Study Day	The Dystopian Paradox The Dossier 2030	
4 March 2021	Marketing Day	Maestro Marketer Revenge of Matt	
5 March 2021	Entrepreneurship Day	Enigma 2050 Bamboozled	

6 March 2021: Consultancy Session: - TCC conducted a session on consultancy, where **Mr. Gagandeep Singh** shared his experience on consultancy careers. Mr Gagandeep Singh, Global Operations Excellence Lead Wood - P&O global shared service, is an internationally renowned leadership coach and management consultant. He has 12+ years of work experience as a management consultant in Shared services/captive environment. He has worked in various industries such as oil and gas, real estate, professional services, banking and financial services. He has also worked for various companies such as EY, Wood, Bank of America and American Express.



7 March 2021: Just In Case:- 180dc conducted their first official global case competition Just In case'21 which was a massive success as they were able to bring in participants from all over the globe and conduct a smooth functioning of the event with all the participants leaving the stage with more knowledge and experience. The organizing committee also learned a lot about

management and marketing through this initiative. The competition had students from USA, UK, Singapore, Malaysia, Nepal etc. A total of 600 students participated in the competition.

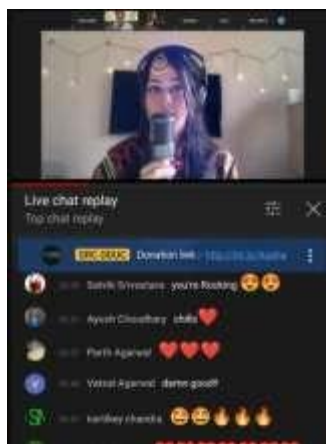


8 March 2021 - 9 March 2021: Social Internship Conclave:- SRC organised their flagship event, the Social Internship Conclave 5.0 on 8th and 9th March 2021. SIC is the annual internship fiesta organized by the cell to provide a platform for students and NGOs to interact and exchange services. This programme helped in initiating the idea of social entrepreneurship amongst the students and bridging the gap between a student's academics and his/her social responsibility. One of the main agendas behind this programme was to provide internships to students in well reputed & Government authorized NGOs in order to enhance their social and working skills. This year, NGO's like Aasmaan Foundation, Gautam Gambhir Foundation, Youth for Seva, Sankalp Hamara and many more provided internships to 100+ students from all over the DU circuit under this program.



28 May 2021 – 30 May 2021: Aashaayein _21:- SRC considering the ongoing pandemic decided to start a fundraising event for those who were affected by this pandemic. Aashayein was a fundraising event where many artist came together to raise the voices of those who were deeply affected by this pandemic, to perform for the sake of welfare of our country and urge the audience to donate for a noble cause. Aashayein was tremendously successful with over

30+ Artists performing for the audience and raised Rs. 23,800 .The amount was directly donated to the YEF foundation. YEF is committed to work for betterment of our society by uplifting underprivileged and empowering youth. They aim to provide education in every village and slums of India and are presently helping the covid affected migrant workers. All the funds donated would be used for this purpose.



Department of Mathematics

Subject Society - Harish Chandra Mathematical Society

3rd & 5th March, 2020: The department of Mathematics of Deen Dayal Upadhyaya College organized **two days Hands – on workshop in TORA software** on 3rd & 5th March 2020 under the aegis of DBT Star College Scheme. Mr. Ravi Kumar Meena was invited as resource person for this workshop. Dr. Mamta A. Wagh and Dr. Poonam Garg coordinated it. More than 20 students were benefitted through this workshop.





MINI-MATHEMATICS TRAINING AND TALENT SEARCH PROGRAMME
 FUNDED BY : NATIONAL BOARD FOR HIGHER MATHEMATICS
 VENUE : DEEN DAYAL UPADHYAYA COLLEGE, UNIVERSITY OF DELHI
 MARCH 12-17, 2020
 Webpage : www.mttts.org.in

BACKGROUND
 The Mathematics Training and Talent Search (MTTS) programme is one of the most popular and significant training programmes in India. This programme has been running since 1980 and has made an impressive impact on individualized study in the country. The centre has a large number of mathematics books from all parts of the country, but due to the constraints of resources and staff, it is not always possible to get a chance to get through to most of the MTTS to study in person. To provide opportunities to a large number of students throughout the country, the MTTS programme has been moved online and is now on the same line as the mini-MTTTS.

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 Faculty at School of Mathematics and Statistics
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LOCAL COORDINATOR
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 Email : vinita.jaiswal@delhi.ac.in
 Website : www.du.ac.in

MTTS TRUST
 MTTS TRUST is a non-profit organization. Its primary object is to provide a platform for students to study mathematics and other related subjects in a relaxed manner, to provide a platform for students to study mathematics in a relaxed manner. It is a registered society under the Societies Registration Act, 1860. It is a registered society under the Societies Registration Act, 1860. It is a registered society under the Societies Registration Act, 1860.

HOW TO APPLY
 Students must apply online by visiting the website
<http://www.mttts.org.in>

ELIGIBILITY
 Students must be Indian citizens and must have completed 10th class or its equivalent. They must have scored at least 60% marks in 10th class.

ABOUT DEEN DAYAL UPADHYAYA COLLEGE
 Deen Dayal Upadhyaya College is one of the leading educational institutions established in 1990 in Karampur Campus. It was started as an extension of the college in 1990. It is a registered society under the Societies Registration Act, 1860. It is a registered society under the Societies Registration Act, 1860. It is a registered society under the Societies Registration Act, 1860.

SELECTION
 The selection will be done on merit, based on the marks obtained in the entrance examination. The selection will be done on merit, based on the marks obtained in the entrance examination. The selection will be done on merit, based on the marks obtained in the entrance examination.

MINI-MATHEMATICS TRAINING AND TALENT SEARCH PROGRAMME
 (ONLINE - 2020)
 JULY 08 - 17, 2020
 FUNDED BY : NATIONAL BOARD FOR HIGHER MATHEMATICS

ACADEMIC PROGRAMME
 The 4 days programme includes the following topics :
 - Foundation
 - Real Analysis
 - Linear Algebra

RESOURCE PERSONS
 Professor A. J. Jayanthan, GOA University
 Professor B. S. Upadhyaya
 (Formerly Professor, IIT Mysore)
 Professor Rishu K. Saxena, IIT Gandhinagar
 Professor S. Kulkarni, President, MTTS

There will be two sessions everyday, one in the morning and another in the afternoon. Each session will have a 75 minutes class followed by a half an hour discussion session.

Dr. Vinita Jaiswal Singh
 Organizing Principal

Dr. Vinita Jaiswal Singh
 Organizing Principal



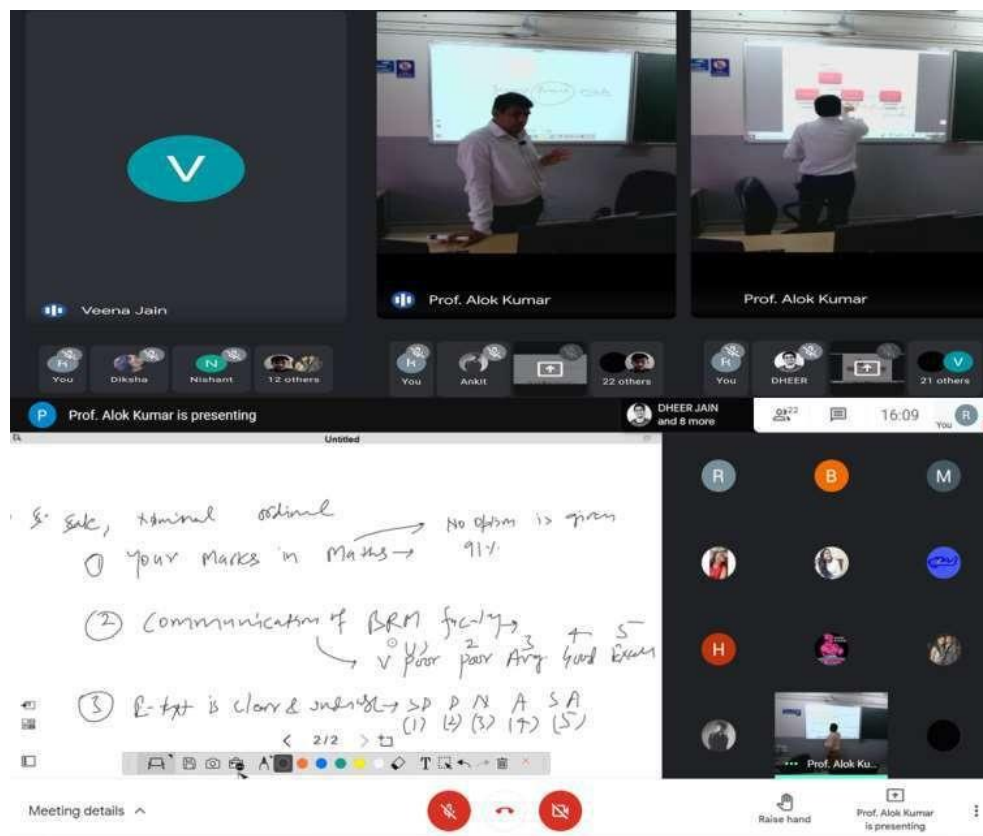
8th – 17th July, 2020: A ten days online **Mathematics Training and Talent Search Programme (Mini-MTTTS)** was conducted during 08th – 17th July, 2020. The training programme was planned for March 12-17, 2020 and it began on 12th March but due to worldwide lockdown the programme got abandoned on 13th March 2020. After that it was continued online on Zoom platform in the month of July 2020. The Programme was funded by the **National Board for Higher Mathematics, DAE, Govt. of India**, and was organized by the **Trust. Prof A. J. Jayanthan (GOA University); Prof B. S. Upadhyaya (Formerly**

Professor, RIE Mysore) and **Prof Bhaba K. Sarma** (IIT Guwahati) were the resource persons for this program. **Dr. Anuvedita** (IISER MOHALI); **Dr. Priyamvada** (DAYAL SINGH COLLEGE, DU); Dr. Rashmi Gupta (DDUC, DU) and Dr. Mamta Amol Wagh (DDUC, DU) were the tutors. Total 46 students from different institutions of Delhi, Rajasthan, Punjab and Kashmir participated in the programme.

Department of Operations Research

Subject Society- Optizone

22nd – 23rd March, 2021: A two-day training program on **Business Research Methods using SPSS** was organised by OPTIZONE-THE OPERATIONAL RESEARCH SOCIETY of Deen Dayal Upadhyaya College. The event took place on 22nd and 23rd of March, 2021 from 3:30 p.m. to 6:30 p.m. on Google Meet. The event was organised to teach students about the various research methods, designing a questionnaire and giving a hands-on training on using the software SPSS which is extensively used in analysing of the data, validating and improving a questionnaire and solving various business problems. The respected speaker for the event was **Dr Alok Kumar**, Associate Professor (Quantitative Techniques and Operations Management), FORE School of Management, New Delhi. Over 25 students participated in the workshop.



Department of Physics

Subject Society – Aryabhata Science Forum

September 19, 2020: An online quiz was organized on 19 Sep. 2020. The topic was “**LITTLE BIT OF PHYSICS**”. Total number of participants was 34. Students from different colleges of DU also participated in this quiz.



November 18, 2020: An **orientation programme** was organized for Ist year students on Google meet. The teacher-in charge Dr. Deepak Jain gave the presentation about the general information of the department, course curriculum, Time table , Academic calendar Activities, infrastructure etc.



November 21, 2020: Aryabhatta Science Forum, Department of Physics organised an **Alumni Meet** on google meet. Two Alumni were invited to share their experiences with the Juniors **Rohit Kumar** (Batch 2015-18), presently at Indiana University, Bloomington, USA and **Rajendra Singh Negi** (Batch 2015-18) Presently at University of Cologne, Germany. Around 75 students and faculty members were present during the webinar.

November 28, 2020: The society organized a talk on “**Particle Accelerators and Applications**” on Google Meet. The talk was delivered by **Ashwini Kumar Poswal**, a scientific officer in Atomic & Molecular Physics Division at Bhabha Atomic Research Centre (BARC), Mumbai. More than 50 students and faculty members attended the lecture

December 05, 2020: An **online Induction Quiz competition, (A Slice of π)** was organized on the basic concepts of Physics for the first year students of the B.Sc. (H) Physics, B.Sc. (H) Electronics, B.Sc. (H) Chemistry and B.Sc. Physical Sciences (Chemistry and Computer Science). Around 60 students participated in the quiz.

Department of Zoology

Subject Society – Synapses [Convener: Dr. Shailly Anand]

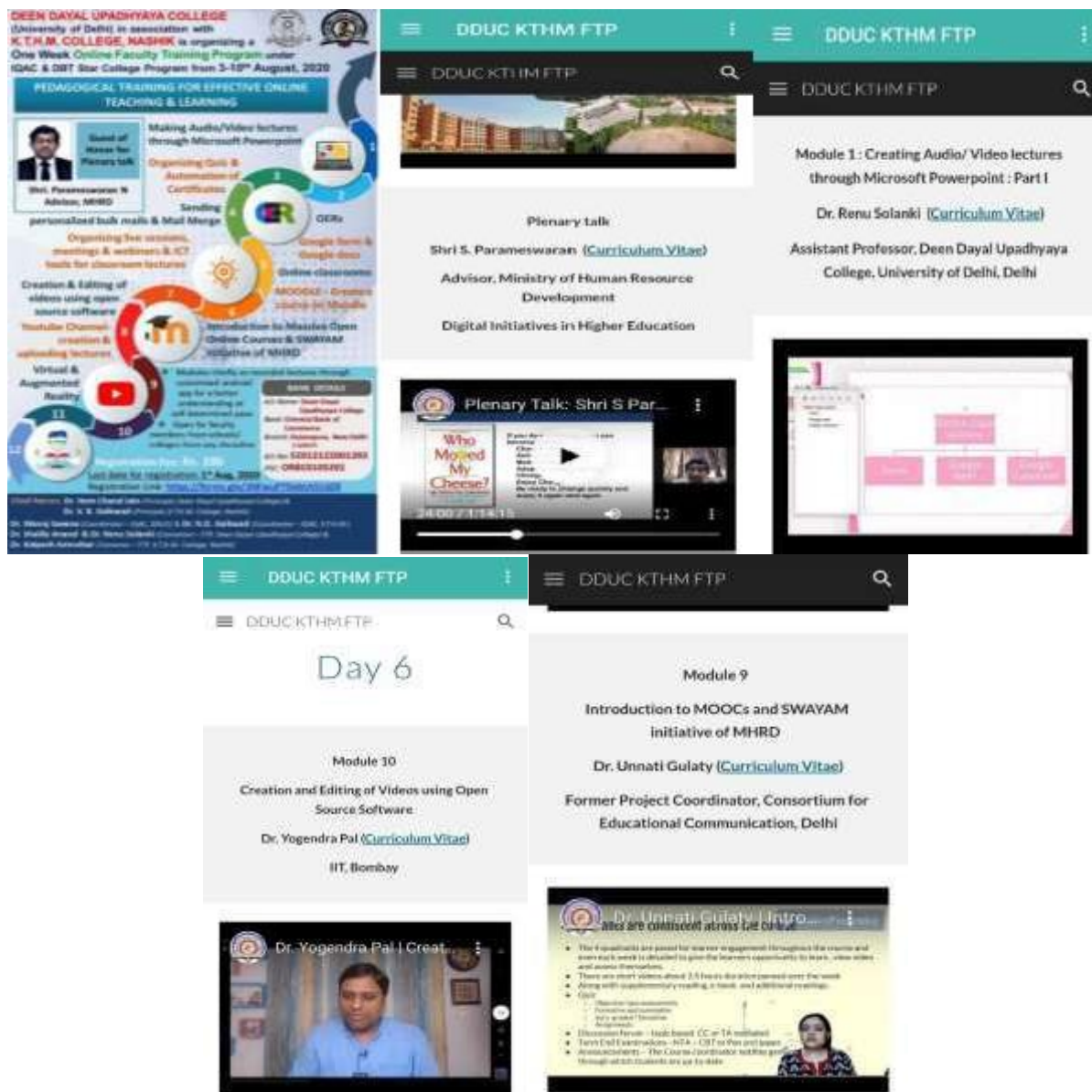
2nd-3rd July, 2020: An Online Quiz on “**Corona Gyan**” was organized under the aegis of Science Foundation (University of Delhi) to generate awareness about Covid-19. The quiz was open for both the faculty and undergraduate, postgraduate and school students. The quiz received a great response from the participants. A total of 2107 responses were received from different parts of the country along the length and breadth. (Convenors: Dr. Renu Solanki & Dr. Shailly Anand)



3rd-10th August, 2020: National Level One Week Online Faculty Training Program on “**Pedagogical Training for Effective Online Teaching & Learning**” was organized jointly by Deen Dayal Upadhyaya College (University of Delhi) & K.T.H.M. College, Nashik under Internal Quality Assurance Cell and DBT Star College Program with an aim to address the ongoing change in the teaching-learning pedagogy owing to this global pandemic. The FTP had elaborative sessions. Also a dedicated android app was generated for the smooth conduct of the program. Participation was witnessed from all across the nation and from more than 120 colleges and institutes. A total of 548 teachers joined the program and expressed their appreciation for the quality content and organization. (Convenors: Dr. Shailly Anand & Dr. Renu Solanki)

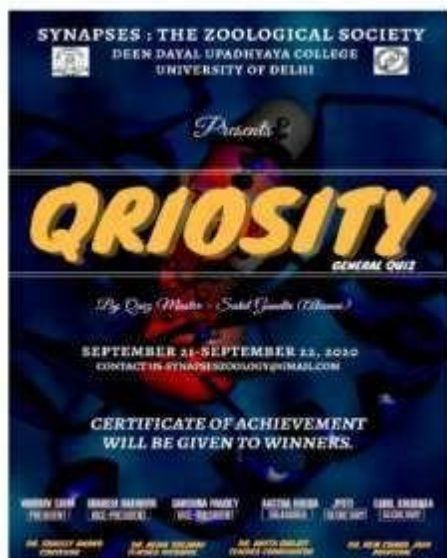
The program included 11 sessions/ modules conducted by the following:

- ❖ August 03, 2020: **Shri S. Parameswaran N** (Advisor, Ministry of Human Resource Development) Inaugural Talk: "Digital Initiatives in Higher Education"
- ❖ August 03, 2020: **Dr. Renu Solanki & Dr. Shailly Anand** (Assistant Professor in Dept. of Zoology, Deen Dayal Upadhyaya College, University of Delhi) Module 1 (Part I & II): "Creating Audio/Video lectures through Microsoft Powerpoint"
- ❖ August 04, 2020: **Dr. M. N. Shelar** (Associate Professor and Head, Department of Computer Science in KRT Arts, BH Commerce and AM Science, K.T.H.M. College, Nashik) Module 2: "Google forms, Google docs & Creating Online Quiz"
- ❖ August 04, 2020: **Dr. Sambhaji Pagar** (Assistant Professor in Dept. of Economics, KRT Arts, BH Commerce & AM Science College, K.T.H.M. College, Nashik) Module 3: "Creating Quiz using Testmoz & Automation of Certificates using Autocrat and Certify'em"
- ❖ August 05, 2020: **Dr. B. S. Balaji** (Associate Professor in the School of Biotechnology, School of Biotechnology, Jawaharlal Nehru University) Module 4: "Open Educational Resources"
- ❖ August 05, 2020: **Dr. M. N. Shelar** (Associate Professor and Head, Department of Computer Science in KRT Arts, BH Commerce and AM Science, K.T.H.M. College, Nashik) Module 5: "Sending personalized bulk mails & Mail Merge"
- ❖ August 06, 2020: **Dr. Deepak Bishla** (System Administrator IT Department, Dr. B. R. Ambedkar University Delhi) Module 6: "Online Classrooms"
- ❖ August 06, 2020: **Dr. R. C Sharma** (Instructional Design Instructor, Dr. B. R. Ambedkar University Delhi) Module 7: "Organizing live sessions, meetings & webinars & ICT tools for classroom lectures"
- ❖ August 07, 2020: **Dr. Deepak Bishla** (System Administrator IT Department, Dr. B. R. Ambedkar University Delhi) Module 8: "MOODLE - Create a course on Moodle"
- ❖ August 07, 2020: **Dr. Unnati Gulaty** (Former Project Coordinator, Consortium for Educational Communication, Delhi) Module 9: "Introduction to Massive Open Online Courses & SWAYAM Initiative of MHRD"
- ❖ August 08, 2020: **Dr. Yogendra Pal** (Project Research Scientist, CSE Department, IIT, Bombay) Module 10: "Creation & Editing of videos using Open Source Software"
- ❖ August 08, 2020: **Mr. Tushar Kute** (Data Scientist and Researcher, MITU, Skillologies, Pune) Module 11: "Youtube Channel- Creation and Uploading Lectures"
- ❖ August 10, 2020: **Mr. Manas Gajre** (Founder and CEO, Zabuza Labs, Nashik) Module 12: "Virtual and Augmented Reality"



24th August, 2020: An Online Student Election was conducted to elect the officer bearers of Synapses – the zoological society for the posts of President, Vice-President, Secretary and Treasurer. Students from B.Sc.(Hons)Zoology and B. Sc. Life Sciences participated in the online voting to elect their student representatives for the academic session.

21st-22nd September, 2020: An Online Quiz Competition “**Qriosity**” was organized under the aegis of Synapses, the subject society of Department of Zoology, Deen Dayal Upadhyaya college. The quiz was based on general science questions. It was attempted by 132 participants of which around 90 students qualified and secured a certificate. (Event Convenor: Dr. Shailly Anand; Event Coordinator: Dr. Anita Gulati)



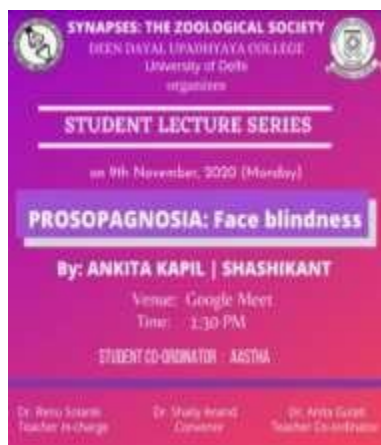
13th October, 2020: A National Online Inaugural Webinar of Synapses (the subject society of Department of Zoology, Deen Dayal Upadhyaya College) was organized on “**Strategies behind COVID-19 Vaccine Candidates**” by **Dr. Upasana Ray**, Senior Scientist & Assistant Professor, Ramalingaswamy Fellow, INSA Young Scientist, Division – Infectious Diseases and Immunology, CSIR- Indian Institute of Chemical Biology, Kolkata. A total of 107 students attended the webinar where they were apprised of all the latest trends in the development of vaccine for Covid-19. The aim of the webinar was to make the students aware of the recent trends to combat the pandemic.

(Event Convenor: Dr. Shailly Anand; Event Coordinator: Dr. Renu Solanki)

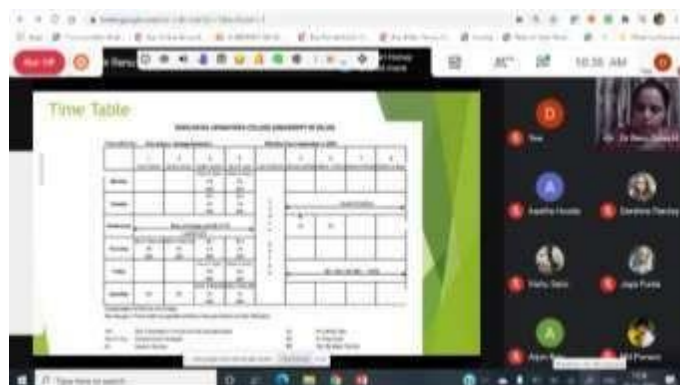


9th November, 2020: Student Lecture Series (SLS) was organized under Synapses – the subject society of Department of Zoology. Under its bannership, a lecture on „**Prosopagnosia: Face Blindness**” was delivered by students of B.Sc. Life Sciences III Semester (Ankita Kapil)

and Shashikant) (Event Convenor: Dr. Shailly Anand; Event Coordinator: Dr. Anita Gulati); No. of beneficiaries: 76



19th November, 2020: An online **Orientation Program** was organized for first year students under the Deeksharambh -Student Induction Program. The program was started with the welcome of first year students of B.Sc. (H) Zoology by all the faculty members. Dr. Renu Solanki (Teacher In-charge, Department of Zoology) apprised the students about the timetable, papers of Sem I, credits of practical and theory, LOCF (Learning outcome based curriculum framework) syllabus, about the Department establishment and infrastructure. Dr. Shailly Anand (Convenor, Synapses Departmental Society) told the students about the different activities organized under the Synapses, Subject Society of the department and DBT Star college scheme for the holistic development of students. Senior most teacher of the Department Dr. Anita Gulati told the students about the student teacher relationship in the department and asked the students to be punctual and regular in their classes. Student Office bearers of the Society introduce themselves, welcomed the first year students and played a video for their welcome. Program was concluded with vote of thanks. (Event Coordinators: Dr. Renu Solanki & Dr. Shailly Anand); No. of beneficiaries: 58

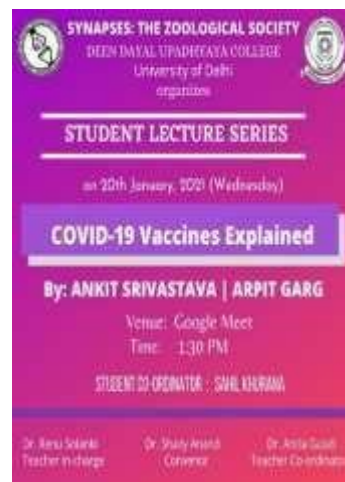


28th November, 2020: An **Alumni Interaction & Counselling Session** with **Anoop Singh** (Research Scholar, Dept. of Zoology) was organized by Synapses under the aegis of Deeksharambh - Student Induction Program. He shared his life experiences and career path

and alongside also motivated them. He shared his strategy of cracking the entrance exams and apprised them of the various opportunities that may be explored after graduation. (Event Convenor: Dr. Shailly Anand; Event Coordinator: Dr. Anita Gulati); No. of beneficiaries: 56



20th January, 2021: Student Lecture Series (SLS) was organized under Synapses – the subject society of Department of Zoology. Under its banner, a lecture on **“COVID-19 Vaccines Explained”** was delivered by students of B.Sc. Life Sciences IV Semester. They discussed the strategies being adopted in the development of vaccine candidates for Covid-19 with a special focus on their immunological basis (Ankit Srivastava, and Arpit Garg, B. Sc. Life Sciences)
(Event Convenor: Dr. Shailly Anand; Event Coordinator: Dr. Anita Gulati); No. of beneficiaries: 109)



30th January, 2021: An Online Sports and Entertainment (SPENT) Intracollege Quiz was organized by Synapses in association with **Sangyaan – the Quiz Society** of the college. The event was promoted through several mediums resulting in a wide reach across the college. We received more than 60 registrations and a high level of enthusiasm was shown.
(Event Convenor: Dr. Shailly Anand; Event Coordinator: Dr. Renu Solanki)



26th -27th February, 2021: An Online Inter-college **Zoofestea'21** – The Annual Festival of Synapses, the Zoological Society was organized encompassing the following activities through the Zoom platform (Convenor: Dr. Shailly Anand).

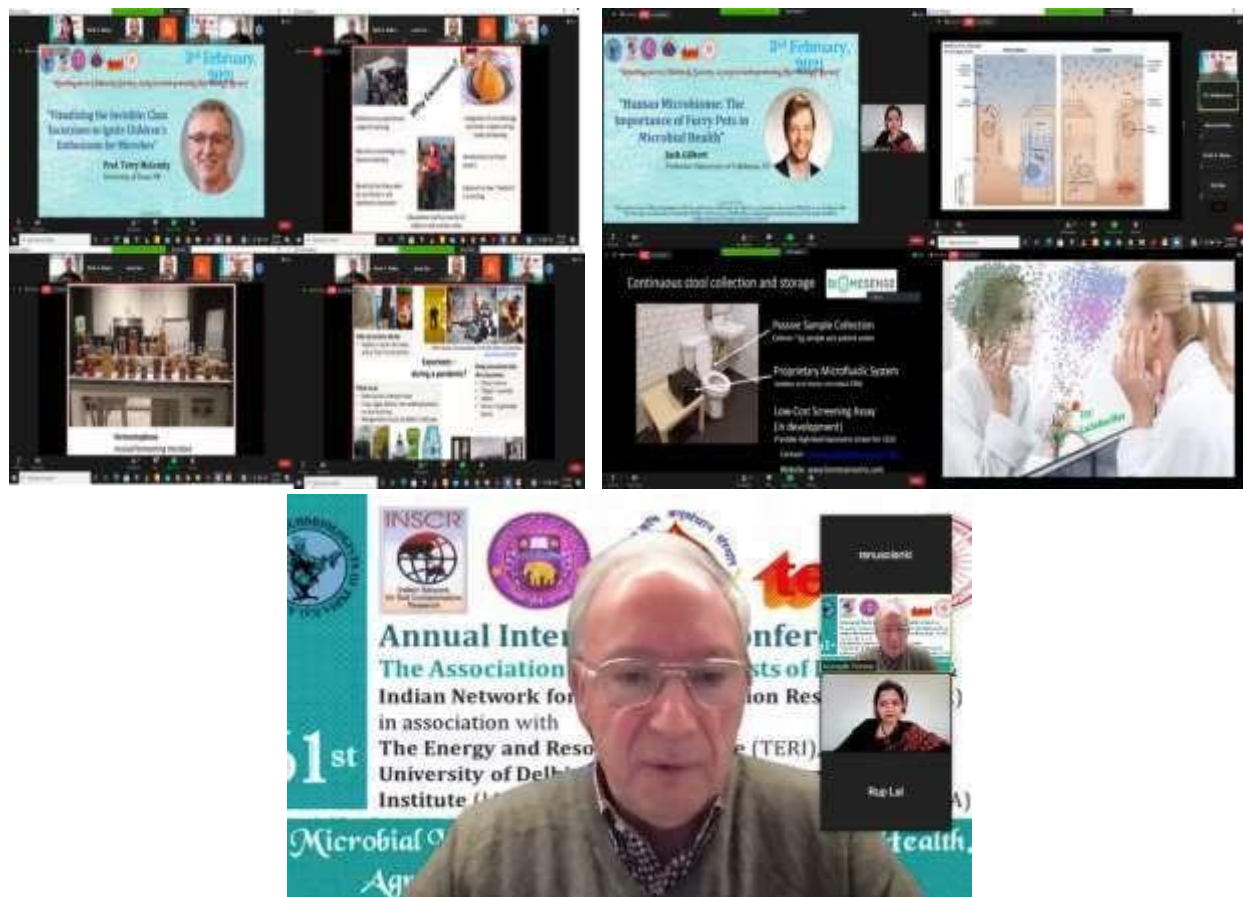
- Just-A-Minute: The Extempore Contest: Event Coordinator: Dr. Anita Gulati & Dr. Renu Solanki
- Cerebrosus 3.0: The Zoological Quiz: Event Coordinator: Dr. Nitish Mahato
- Canvas 3.0: The Painting Competition: Event Coordinator: Dr. Kamlesh Kumari
- Graph-The-Idea: The Digital Poster Making Contest: Event Coordinator: Dr. Shailly Anand
- Digital Exposure: The Photography Contest: Event Coordinator: Dr. Lathika Nair & Dr. Anina James

3rd February, 2021: An **online International Conference "Reaching out to Children & Society: A Step towards promoting Microbiology Literacy"** (A Virtual Outreach Program) was organized under the aegis of Synapses & Science Foundation in collaboration with The Association of Microbiologists of India (AMI), Indian Network for Soil Contamination Research (INSCR), The Energy and Resources Institute (TERI), Indian Agricultural Research Institute (IARI) and Indian National Science Academy (INSA).) Conference Convenors: Dr. Shailly Anand & Dr. Renu Solanki; No. of beneficiaries: More than 150

The following eminent microbiologists delivered talks during the conference:

- **Prof. Kenneth Timmis** (Tech. Univ. of Braunschweig) Title: "Microbiology Literacy Initiative"
- **Prof. Jack Gilbert** (University of California) Title: "Human Microbiome: The Importance of Furry Pets in Microbial Health"
- **Prof. D.L.N. Rao** (Indian Institute of Soil Science, Bhopal, India) Title: "Microbes and Sustainable Agriculture"
- **Mr. Lanuakum Imchen** (Cold Mountain, Organic Tea Products) Title: "Organic Farming in Holistic Approach"
- **Prof. Terry McGenity** (University of Essex, UK) Title: "Visualizing the Invisible: Class Excursions to Ignite Children's Enthusiasm for Microbes"
- **Prof. Rup Lal** (TERI) Title: "Human Microbiome and Health: Communicating Complex Subjects with a Concerned Public and Children"
- **Dr. Shailly Anand** (University of Delhi) Title: "There is no Plan B for there is no Planet B: Microbiology Literacy is the hope"
- **Dr. Priya Singh** (University of Delhi) Title: "Food for Health"





20th February, 2021: Synapses in association with Kalpavriksha - The Botanical Society and the Career Counselling & Placement Cell (CCPC) of Deen Dayal Upadhyaya College organized an interactive career counselling session on the topic '**Future Prospects of Healthcare Management in India**' through the Zoom platform. The session was conducted by: **Prof. Divya Aggarwal**, Associate Dean-Academics and Student Affairs, IIHMR Delhi and **Prof. Vinay Tripathi**, Associate Professor, IIHMR Delhi. Prof. Divya and Prof. Vinay Tripathi apprised the students about the path by means of which they can enter in healthcare management industry after their graduation from Life Sciences. They also discussed about the job opportunities in this area. The session was very informative for the students. (Event Convenors: Dr. Shailly Anand & Dr. Renu Solanki); No. of beneficiaries: 120

STUDENT AWARDS AND ACHIEVEMENTS

- **Yogesh Kumar** of **B.Sc.(H) Physics VI sem**, received Best Poster Presentation(PP- 20) entitled "Growth and Characterization of One Dimensional ZnO Nanorod Film " in Online National Conference on Recent Advances in Functional Materials (RAFM-2020) organised by Department of Physics, ARSD College, University of Delhi during 5-6th November 2020.
- **Shubham Dahiya** was **awarded District Child Scientist Award** at 25th district level National Children's Science Congress supported NSCTC, DST New Delhi and Haryana state Council for Science and Technology, Panchkula and organised by Haryana Vigyan Manch, Rohtak.
- **Madhur Arora** of **Bsc (H) Mathematics participated** in workshop on Group Theory organised by department of Mathematics, Miranda House, University of Delhi
- **Bhavna Sehrawat** of **Bsc (H) Mathematics** successfully qualified in eQuiz competition on Undergraduate Mathematics organised by Department of Mathematics, Govt. Degree College, raza Nagar, Swar, Rampur, U.P. and secured 85% marks in it.
- **Suyash Saxena** of **B.Sc(H) Computer Science**, 4th sem stood 1st in Quiz Time India Podcast Quiz
- **Jaskaran Singh** of **B.Sc(H) Chemistry**, 4th sem stood 3rd in Entertainment Quiz (Maharaja Agrasen College)
- **Akansha** of **B.Sc(H)Chemistry**, 4th sem stood 3rd in Entertainment Quiz (Maharaja Agrasen College)
- Project titled "**Smart Eye Based on Artificial Intelligence : S.E.B.A.I**" – an Iot Based smart standalone device by **Ashutosh Mishra, Ekansh and Raghvendra Pratap Singh** (all students of **B.Sc. (H) Electronics**) is selected among the top 127 finalist out of 29,800 submissions from across India in National Innovation Contest 2020 organized by Ministry of Education.
- **Ashutosh Mishra , B.Sc (H) Electronics** Final Year and Raghvendra Pratap Singh, B.Sc (H) Electronics Second Year have been selected as Innovation Ambassador at Ministry of Education's, Institute's Innovation Council (IIC), Government of India.
- **Raghvendra Pratap Singh, BSc (H) Electronics** won the following awards at different platforms :
 - 1st prize in Hindi poem writing competition(rhyme your vision) at 74th independence day celebration of NSS Farook college, Calicut.
 - Participated in E-yantra Robotics competition (eYRC 2020-21) organized by IIT Bombay and qualified 7 task from 0 to 6 till final.

-
- Secured 3rd position in online poster/poetry/essay writing competition on the theme „Jashn-e-Azadi“ organised by NSS PGDAV college (University of Delhi).
 - **Lakshit Sehgal of BMS 1st Year** - 1st in intra college SPENT Quiz, 3rd in cricket auction in SGGSCC and 3rd in cricket auction in Rajdhani college and 3rd in IPL Quiz(Rajdhani College)
 - **Abhiman Sharma of BMS 1st Year** - 2nd Prize in SPENT Quiz organised by Sangyaan.
 - **Manav Sharma of BMS 2nd Year** Cleared FRM part 1 Examination
 - **Ram Gupta of BMS 2nd Year** led the Enactus team of DDUC which stood 2nd in Beneficiary Skilling Contest, conducted by Enactus India; competing with the likes of SRCC, Hansraj, JMC, Miranda House, Christ, Symbiosis, Xavier's Mumbai, and other top colleges across the country.
 - **Anannay Aggarwal of BMS 1st Year** stood 2nd in Curious case 2.0 (Organized by 180DC of Hansraj college).
 - **Kapil Mittal of BMS 3rd Year** won the following laurels :
 - Club Mahindra Conglomerate Strategy Simulation, NMIMS Bangalore
 - WINNER - National Debate, IIM Lucknow
 - WINNER - Deal Breaker (Mergers & Acquisition), IIM Kozhikode
 - WINNER - e-Quiz, ICT Mumbai
 - WINNER - Specmark, SRCASW, DU
 - WINNER - Enigma, EDC, DDUC
 - WINNER - Business Quiz, Sangyaan, DDUC
 - WINNER - Battle of the Bidders, SVC, DU
 - Second Runner Up - Arthik Arogya, SBSC, DU
 - Runner Up- Mangal Amangal, LBSIM
 - Runner Up - Brand Banter, Miranda College, DU
 - Runner Up - Maitreyi Research Paper Competition
 - FIRST RUNNER UP - Food & Travel Quiz, Sangyaan, DDUC
 - **Lavanya Puri of BMS 1st Year** won the following laurels :
 - Semi-finalists at IITD APD'21 Novice break
 - Semi-finalists at SBS BPD'21 Novice break
 - Best interjector Prativad 3.0 a multi lingual conventional debate by Aryabhata college
 - Winner, SGBT Khalsa Real deal 4
-

- **Abhay Agarwal of BMS 3rd Year** won the following laurels :

- 1st Prize at Confero (Public Speaking & Debating Event) organized by International Management Institute Kolkata.
- Team of Abhay Agarwal & Tanushka Yadav (BMS 3rd Year) won the 1st Prize at Expressions, Kritva 2021 organized by International Management Institute Delhi.
- 1st Prize in The Elected Tycoon (Marketing & Business) organized by the E-Cell, Daulat Ram College, University of Delhi.
- 1st Prize in the event - 'Brain Crusade' organized by The Ecothon Club of Sri Guru Gobind Singh College of Commerce, University of Delhi.
- 2nd Prize at Digifest (Marketing & Business) organized by the E-Cell, Sri Aurobindo College, University of Delhi.
- 2nd Prize at a Group Discussion Event organized by the E-Cell, Manav Rachna University.
- The Best Manager Event organized by VAMNICOM Pune, and was awarded with a Cash Prize of Rs. 12,000/-.
- 1st prize in the event - The Phoenix Summit organized by Loyola Institute of Business Administration, Chennai.
- 1st Prize in the event - The Wolf of The Birla Street organized by BIT Mesra, Ranchi.
- 1st prize in the event - What's in the Brand organized by Birla Institute of Technology & Sciences, Pilani.
- 1st prize in the event - The Office organized by the Maharaja Surajmal Institute, IPU.
- 2nd Prize in 2 events organized by The Commerce Society of Motilal Nehru College - Filmistaan and Mergenture.

- **Aman of BMS 2nd Year** won the following laurels :

- 1st position in "Tasveer-e-tabir", a photography competition at "Virasat'21", the annual fest organised by Spicmacay Chapter of Daulat Ram college
- 3rd position in Eco shots - The photography competition of Hindu Earth Summit organized by Panchtatva - the environmental society of Hindu college
- 19th position in Shutterbug - National level photography competition organized by IGFA, IIM Lucknow.

- **Simar Sekhri of BMS 1st Year** won

- 1st position at Event dealbreakers organised by IIM Kozikohde, awarded with ₹50,000 cash prize to team,
- 2nd at Consultancy Case Competition organised by Hansraj college , was awarded with ₹4000 cash prize to team
- 2nd at best manager competition organised by College of Vocational Studies, was awarded with ₹2500.

ACHIEVEMENTS AND AWARDS TO THE FACULTY

- ❖ **Dr. Sudhir Verma** received Anil Sadgopal Award 2020 for Popularization of science & contribution to science outreach from **HBCSE, TIFR, Mumbai under stemgames.metastudio.org initiative**
- ❖ **Dr. Manoj Saxena** was recognized as Innovation Ambassador by Institution's Innovation Council, **MoE's Innovation Cell, AICTE, Government of India** after successfully completing the Innovation Ambassador Training conducted by them.
- ❖ **Dr. Poonam Kasturi** was recognized as Innovation Ambassador by Institution's Innovation Council, **MoE's Innovation Cell, AICTE, Government of India** after successfully completing the Innovation Ambassador Training conducted by them.
- ❖ **Dr. Sudhir Verma** was recognized as Innovation Ambassador by Institution's Innovation Council, **MoE's Innovation Cell, AICTE, Government of India** after successfully completing the Innovation Ambassador Training conducted by them.
- ❖ **Dr. Ravinder Kaur** was recognized as Innovation Ambassador by Institution's Innovation Council, **MoE's Innovation Cell, AICTE, Government of India** after successfully completing the Innovation Ambassador Training conducted by them.
- ❖ **Dr. Yogieta Mehra** was recognized as Innovation Ambassador by Institution's Innovation Council, **MoE's Innovation Cell, AICTE, Government of India** after successfully completing the Innovation Ambassador Training conducted by them.
- ❖ **Mr. Rajan Gupta** was awarded with **Ph.D. in Computer Science** for thesis titled "Techniques for Improvement of E-Governance in Developing Nations" by Department of Computer Science, Faculty of Mathematical Sciences, University of Delhi under the supervision of Prof. Sunil Kumar Muttu, University of Delhi and Dr. Saibal Kumar Pal, DRDO.
- ❖ **Mr. Rajan Gupta** was awarded a **Postdoctoral fellowship** position at CITUM Lab, UNG, Slovenia in 2021

Dr Ratnesh Rajan Saxena is Elected Member Academic Council 2019 - 2020, 2020-2021.

- Member - Standing Committee – Academic, University of Delhi, 2019-21
 - Member - Syllabus Committee - Faculty of Mathematical Sciences, University of Delhi, 2019-21
 - Member - Interim Task Force Committee - University of Delhi 2019-21
- [all above being member of AC]

MEMBERSHIP OF PROFESSIONAL BODIES

Dr. R M Bhardwaj is

- ❖ life-long member of French Asiatic Society, Paris since 2014,
- ❖ member of Asiatic Society, Kolkata since 2017,
- ❖ member, SSEASR-Affiliate of UNESCO and IAHR (International Association for the Study of Religions) and IHC.

Dr. Avnindra Singh - has been the member of

- ❖ Indian Society of Atomic and Molecular Physics
- ❖ The Global Network for the Atomic and Molecular Physics of Plasmas (GNAMPP).

Dr. Manoj Saxena

- ❖ Fellow- Institution of Electronics and Telecommunication Engineers (IETE) (F 500322)
- ❖ Member – National Academy of Sciences India (Allahabad)
- ❖ Member – IEEE Electron Device Society (USA) Board of Governors (2021-2023)
- ❖ IEEE Electron Device Society Distinguished Lecturer
- ❖ Regional Editor South Asia – IEEE EDS News Letter ISSN: 1074 1879
- ❖ Secretary – IEEE Delhi Section (2019)

Dr. Sudhir Verma - Academic Committee Member, Vidyarthi Vigyan Manthan (VVM), an initiative of Vijnana Bharti (VIBHA) in collaboration with Vigyan Prasar (DST) and NCERT.

Dr. Priya Goel - Member, vibhaindia.org – a constituent of Vijnana Bharati, India

RESEARCH GUIDANCE

Name of the Faculty Member	Level of Guidance	No. of Candidates Registered	Thesis Submitted No. in 2020-21	Degree awarded in 2020-21
Dr. Ratnesh Rajan Saxena	M.Phil	2	1	1
	PhD	2		
Dr. Avninder Kumar Singh	PhD	2		
Dr. Manoj Saxena	PhD	5	1	
Dr. Varnika Bhatia	PhD	1		

Dr. Ratnesh Rajan Saxena				
S. No.	Title	Candidate's name and Affiliation	Year	Status
1	Fuzzy Transportation and Cost & Time minimizing Transshipment Problems	(Ms.) APARNA Department of Mathematics, University of Delhi	Since Feb.2021	Degree Awarded
2	Mathematical Programming	(Ms.) JYOTI KOHILI Department of Mathematics, University of Delhi	Since Oct. 2019	Pursuing
3	Mathematical Programming	ASHOK KUMAR BRS//248/2017/85, University of Delhi	Since- 2017	Pursuing
4	Mathematical Programming	SOMADAS BRS/248/2017/74, University of Delhi	Since- 2017	Pursuing

Dr. Avnindra Kumar Singh				
S. No.	Title	Candidate's name and Affiliation	Year	Status
1.	Study of atomic processes for multi-charged ions for plasma diagnostics	Mayank Dimri, Department of Physics and Astrophysics, University of Delhi	2017	Ongoing
2.	Study of photoionization of complex ions useful in astrophysics and plasma physics	Dishu Dawra, Department of Physics and Astrophysics, University of Delhi	2017	Ongoing

Dr. Manoj Saxena				
S. No.	Title	Candidate's name and Affiliation	Year	Status
1.	Modeling and Simulation of Steep Subthreshold Emerging Research Devices for Energy Efficient Low Power Sensing Applications	Mr. Avashesh Dubey (Joint Supervision) Department of Electronic Science, University of Delhi South Campus, New Delhi.	January 2015	Submitted in Feb 2021
2.	Modeling and Simulation of AlGaIn/GaN HEMT	Mr. Ajay Vishwakarma (Joint Supervision) Department of Electronic Science, University of Delhi South Campus, New Delhi.	August 2017	On-Going
3.	Modeling and Simulation of Field Plate HEMT	Ms. Neha Department of Electronic Science, University of Delhi South Campus, New Delhi.	August 2017	On-Going

4.	Modeling, Simulation and performance comparison of AlGa _N and Ga _N Channel HEMTs	Ms. Anupama (Joint Supervision) Department of Electronic Science, University of Delhi South Campus, New Delhi.	August 2019	On-Going
5.	Numerical Investigation of Advanced AlGa _N /Ga _N HEMT for high power Applications	Mr. Khushwant Sehra (Joint Supervision) Department of Electronic Science, University of Delhi South Campus, New Delhi.	August 2019	On-Going
6.	AlGa _N / Ga _N HEMT & MIS HEMT Devices and their responses under radiation and different stress conditions	Ms. Chanchal Saraswat Ph. D Student (Joint Supervision) Deptt. of Electronic Science, Univ. of Delhi	February 2021	On-Going

Dr. Varnika Bhatia				
S. No.	Title	Candidate's name and Affiliation	Year	Status
1.	Molecular Systematics of threatened plants	Seema; Department of Botany, University of Delhi, Delhi	2021	Pursuing

PROJECT GUIDANCE AT THE UNDER-GRADUATE/POST-GRADUATE LEVEL

Dr. Manoj Saxena mentored the following students under **Summer Research Fellowship Sponsored** by Indian Academy of Sciences (**IAS**), National Academy of Sciences, India (**NASI**) & Indian National Science Academy (**INSA**)

Title of the Project	Name of the Student and institution	Duration
TCAD Based Investigation of Multichannel AlGa _N /Ga _N HEMT	Ms. Shreyasi Das, ENGS159 University of Calcutta, Kolkata	May-August 2020
TCAD Investigation of Recessed Buffer High Electron Mobility Transistors	Mr. Anandhu Unnikrishnan ENGS5178 2nd year, Department of Electrical and Electronics Engineering, NIT Tiruchirappalli, Tamil Nadu	May-August 2020
TCAD Investigation of Radiation Effects on Line TFET and MOSFET	Mr. Vyom Garg, ENGS4596 Electronics & Communication Engineering, Delhi Technological University, New Delhi-110042	May-August 2020

TCAD Based Investigation of Heterojunction Line Tunnel FET	Mr Arindam Paul, ENGS809 B.Tech Electronics and Telecommunication, Indian Institute of Engineering Science and Technology Shibpur, Howrah, West Bengal, 711103.	May-August 2020
TCAD Investigation of Buffer-free High Electron Mobility Transistors	Ms Samriddhi Prabhakar Raut ENGS1624 B. Tech ECE - 5th Semester, Maharaja Surajmal Institute of Technology, New Delhi – 110058	May-August 2020

MAJOR/ MINOR PROJECTS

Dr. Avninder Singh completed Major Research project awarded by DST-SERB on “ Study of atomic processes for multicharged ions for plasma diagnostics” for which grant of Rs. 44,07,480.00 was given.

Dr. Manoj Saxena is Co-Principal Investigator in DRDO sponsored Major Research project entitled “Layout Optimization and Thermal analysis switching applications and LNA Design” for Rs. 23 lacs awarded by Contract for Acquisition of Research Services (CARS), DRDO.

Dr. Manoj Saxena is Co – Principal Investigator in Minor Research project on “Device Simulation for Radiation Analysis of GaN HEMTs for High Power Applications” worth Rs 5 lacs awarded by Institute of Eminence (IoE), University of Delhi Research Project sanctioned Vide sanction letter no. IoE/FRP/PCMS/2020/27 dt 31.12.2020.

FACULTY AS REVIEWERS IN VARIOUS JOURNALS

Dr. MANOJ SAXENA is Reviewer of

- ❖ IEEE Access, Impact factor: 4.098, **Electronic ISSN:** 2169-3536
- ❖ IEEE Electron Device Letters, Impact factor: 3.753, Electronic ISSN: 1558-0563; Print ISSN: 0741-3106
- ❖ IEEE Transactions on Electron Devices, Impact factor: 2.704, Electronic ISSN: 1557-9646, Print ISSN: 0018-9383
- ❖ Semiconductor Science Technology, Impact Factor: 2.654, Online ISSN: 1361-6641, Print ISSN: 0268-1242
- ❖ International Journal of RF and Microwave Computer-Aided Engineering, Online ISSN: 1099-047X
- ❖ Editorial Board Member - Solid State Electronics Letters, Imprint: KeAi ISSN: 2589-2088

Dr. Manoj Saxena - As Editor South Asia – IEEE Electron Device Society Newsletter, edited the following Volumes of EDS Newsletter

- ❖ April 2020, Vol. 27, No. 2 https://eds.ieee.org/images/files/newsletters/Newsletter_Apr20.pdf
- ❖ July 2020, Vol. 27, No. 3 https://eds.ieee.org/images/files/newsletters/Newsletter_July20.pdf
- ❖ Oct 2020, Vol. 27, No. 4 https://eds.ieee.org/images/files/newsletters/Newsletter_Oct20.pdf

Dr Rakesh Kumar is reviewer of

- ❖ Journal of financial economic policy (published by Emerald)
- ❖ International Journal of emerging markets (published by Emerald)
- ❖ International journal of finance and economics (published by Wiley)

RESOURCE PERSON/ INVITED SPEAKER

Dr. Arpita Sharma

- ❖ Taught one full module titled "Collection and Analysis of Data" for **course work RCS001 (Research Methodology)** Module 3 to the Delhi University Ph.D students of Computer Science Dept during May 2020-June 2020 and was invited for interview of candidate for PhD admission.
- ❖ Invited as **Jury Member** of Smart India Hackathon (SIH) 2020 (Software Edition) at the Nodal center- Banaras Hindu University (BHU) Varanasi, 1st-3rd August 2020.

Dr. Anand Saxena

- ❖ **Invited Speaker:** Webinar, Covid 19: Reflective Conversations on „Business & Life,“ 4 June 2020, Dyal Singh College, University of Delhi
- ❖ **Panelist:** International Virtual Conference on "Integrating Spirituality and Organizational Leadership in Post COVID Times", during 18-19 December, 2020 {6:30 P.M to 9:30 P.M (EST) | 5:00 A.M to 8:00 A.M (IST)}. Organised by ISOL Global Foundation and University of Florida, USA.
- ❖ **Panelist:** Faculty Enrichment Webinar for Management Teachers in Higher Education, 3rd March 2021 at 10 am to 1 pm organised by NRCE, NIEPA, New Delhi.

Dr. Poonam Kasturi was **resource person** of the following

- ❖ Online Internship - cum - Hands-on Training Workshop on "Verilog Implementation of Digital Circuit Designs on FPGA using Vivado" from June 17, 2020 – July 17, 2020 organized by Department of Electronics and MHRD – INSTITUTION'S INNOVATION COUNCIL (IIC) - DDUC CHAPTER, (Under the aegis of DBT Star College Program, Electronics) in collaboration with CoreEL Technologies. It was a 40 hour teaching with hands on experiments program

where Dr. Poonam Kasturi took 20 hours and also mentored the project work of the students for another 7 days.

- ❖ "Learning Physics with Conceptual & Problem Based Approach" organised by The National Academy of Sciences India (NASI) Delhi Chapter, during July 27 – October 11, 2020 for three sessions on Electronics

Dr. Manoj Saxena was resource person for the following

- ❖ On October 20, 2020 delivered **invited talk** on "Transitioning to Virtual Distinguished Lectures – A Case Study" in 1st IEEE EDS Global Chapters Summit (Virtual)
- ❖ On December 16, 2020 delivered **invited talk** (Virtual) on Modeling and Simulation of Robust Ultrasensitive Tunnel Field Effect Transistor Design for Biosensing Applications at EDS Montreal Section Chapter IEEE Region 7 (Canada)
- ❖ On December 17, 2020 delivered **invited talk** (Virtual) on Modeling and Simulation of Robust Ultrasensitive Tunnel Field Effect Transistor Design for Biosensing Applications in VIRTUAL MINI-COLLOQUIUM ON COMPACT MODELING organized by IEEE EDS Compact Modeling Technical Committee, EDS Spain Chapter and Department of Electronic, Electrical and Automatic Control Engineering, University Rovira I Virgili, Tarragona (Spain)
- ❖ On December 21, 2020 delivered **invited talk** (Virtual) on Modeling and Simulation of Robust Ultrasensitive Tunnel Field Effect Transistor Design for Biosensing Applications in ED Indonesia Chapter at Electronics and Component Laboratory, School of Electrical Engineering and Informatics, Institute of Technology Bandung, Bandung 40132, West Java - Indonesia
- ❖ On December 24, 2020 delivered **invited talk** (Virtual) on Dielectric Pocket MOSFET: A Novel Device Architecture at IEEE EDS BUET Student Branch Chapter, Bangladesh University of Engineering technology, Dhaka, Bangladesh.

Dr. Renu Solanki: Invited speaker AKTU sponsored Faculty Training Program on "Pedagogy" organized by Department of Biotechnology, Noida Institute of Engineering & Technology, Greater Noida held from 15th -19th December, 2020

Dr Sudhir Verma

- ❖ Resource person for the workshop on "**Developing resource material for Life Science Teachers**" at National Resource Center for Education (NRCE), National Institute for Educational Planning and Administration (NIEPA) on January 16-17, 2020
- ❖ Resource person for the workshop on „**Development of test items**“ at National Council of Education, Research and Training (NCERT) from January 8-12, 2020
- ❖ **Invited lecture** on "Connecting Curriculum with Context using Biology Experiments" in online program for science teachers, organized by Shiksha Shilpi, a Vijnana Bharti initiative, on October 24, 2020

- ❖ **Invited resource person/ expert** in Kitchen Science Activity in National Science Teachers Congress (NSTC), India International Science Festival (IISF) on December 24, 2020
- ❖ **Resource person/ panellist** in Faculty Enrichment Webinar for Life Science Teachers in Higher Education by National Resource Centre for Education (NRCE), National Institute for Educational Planning and Administration (NIEPA), Delhi on January 14, 2021
- ❖ **Invited lecture** on 'Research based pedagogical tools (RBPT) in Kalinga University, Raipur, Chhattisgarh on February 20, 2021
- ❖ **Invited lecture** on "Context-Curriculum Connection in Science Teaching" in National Science Day Program on 'Use of Science and Technology in Daily Life', organized by District Institute of Education and Training (DIET), Lucknow on February 28, 2021
- ❖ **Judging Panelist**, Global Undergraduate Awards-2020, Ireland for Life Sciences category

Dr. Dinesh Kumar

- ❖ **Co-coordinator** of Madhava Mathematics Competition (MMC) Exam, Delhi region, 2016-20.
- ❖ **Co-coordinator** of Post-Graduate Entrance Training programme (outreach activity) of Harish Chandra Mathematics Society, Department of Mathematics, Deen Dayal Upadhyaya College, University of Delhi since 1st January, 2018.

Mr. Rajan Gupta was **resource person** for the following

- ❖ "Workshop on Data Analytics using Python" on March 6-7, 2019 at Deen Dayal Upadhyaya College, University of Delhi organized by Data Analytics Club
- ❖ Webinar on Transforming E-Governance through Data Science through Online mode on 31st May 2020 organized by International Data Engineering and Science Association (IDEAS), USA
- ❖ Three day International Research Conclave through Online mode from 3rd Aug 2020 to 5th Aug 2020 organized by Center for Management Studies, JAIN University, Bangalore
- ❖ Invited judge for Technical Festival – Saarang 2020 at the Mata Sundri College for Women, University of Delhi on 25th Feb 2020.
- ❖ Online Workshop on Computer Literacy Program Using MS-Office through Online mode from 29th Nov 2020 to 1st Dec 2020 organized by MHRD-IIC, Deen Dayal Upadhyaya College, University of Delhi.
- ❖ One-week online short term training program (STTP) on Computer Forensics and Cyber Crime through Online mode from 07th Dec 2020 to 12th Dec 2020 organized by JSS Academy of Technical Education, Noida.

PARTICIPATION OF THE FACULTY IN VARIOUS WORKSHOPS/ CONFERENCES/ WEBINARS/ SHORT COURSES/ REFERESHER/ INDUCTION PROGRAMS

Dr Anand Saxena participated in Mobius Foundation, UNESCO Delhi and CEE, Webinar at International Conference on Sustainability Education, (9-10 September 2020)

Dr Anina James participated in

- International conference (online) on Microbial world: Recent development in health, agriculture and environment sciences (February, 2021). Organized by Association of Microbiologists of India.
- Faculty Training Programme (online): Pedagogical Training for Effective Teaching and Learning (3/8/2020 to 10/8/2020), conducted jointly by Deen Dayal Upadhyaya College, University of Delhi and KTHM College, Savitribai Phule Pune University.

Dr Anuja Soni participated in one week Faculty Development Program on "Introduction to Machine Learning in Research (Concepts and Practical Use)" organized by Ministry of Human Resource Development, Pandit Madan Mohan Malviya-National Mission on Teachers and Teaching, „Teaching Learning Center": Ramanujan College, University of Delhi

Dr Arpita Mishra participated in Faculty Development Program on "Role of Natural Language Processing in Business and Research" from 17th to 21st June 2020 at IMS Ghaziabad.

Dr. Deepa Kamra participated in

- Online Faculty Development Programme on "Research Methodology: Tools & Techniques" under Pandit Madan Mohan Malviya National Mission on Teachers and Training Scheme of MHRD, Govt. of India held between 5th-11th June, 2020 organised by ARSD College, University of Delhi
- Faculty Development Programme on ;Managing Online Classes and Co-Creating Moocs 3.0; organised by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry Of Human Resource Development Pandit Madan Mohan Malviya National Mission On Teachers And Teaching between July 25, 2020 - August 10, 2020
- AICTE Training and Learning (ATAL) Academy Online FDP Productivity enhancement ; from 2020-10-13 to 2020-10-17 organised by University of Allahabad
- Refresher Course on "Data Analysis with Statistical Methods: Sharpening Skills in Statistical Analysis through MS-Excel, SPSS, MATLAB and R" organised by Ramanujan College, University of Delhi and Indian Accounting Association, NCR Chapter, under the aegis of Ministry of Education (PMMMNMTT) , Teaching Learning Centre, between 21 st December, 2020 - 3 rd January, 2021

Ms Deepti Gupta participated in

- Webinar on „Liquidation of Companies and Insolvency & Bankruptcy Code“ organized by Department of Commerce, Shyama Prasad Mukherji College on 20th April 2020.
- Webinar on „Covid-19 Catastrophe: An Opportunity for India?“ organized by Department of Commerce, Sri Aurobindo College on 23rd April 2020.
- Webinar on „Revisiting Marketing in Covid-19 Era?“ organized by Department of Commerce, Sri Aurobindo College on 14th May 2020.
- Special Public Webinar on „National Education Policy 2020-Strategy for Self-Reliant India“ organized by IIQAC, Deen Dayal Upadhyaya College on 25th August, 2020.

Dr. Dinesh Kumar participated in

- National webinar on ``Fractals and its Applications in Real Life`` organized by the Department of Mathematics and IQAC of Deshbandhu College, University of Delhi on August 25, 2020.
- An e-talk entitled ``Ergodic Correspondence and Combinatorics`` organized by Department of Mathematics, Gujarat University, Ahmedabad on November 5, 2020.
- An online conference entitled: ``On geometric complexity of Julia sets- I``, held at the Institute of Mathematics of The Polish Academy of Sciences from August 24-27, 2020.
- International Web-Conference on Complex Analysis and Differential Geometry: Revisiting (IWCADGR-2020) held at Sidho-Kanho-Birsha University, Purulia, West Bengal from June 29-30, 2020.

Dr Jyoti participated in

- Technical Talk (Webinar) One Professional Development Hour on Endofullerenes: Nano-scale test tubes for single molecules and atoms on June 08, 2020 at 06:30 pm organized by The National Academy of Sciences, India (NASI) - Delhi Chapter- & MHRD-Institution Innovation Council (IIC) Deen Dayal Upadhyaya College Chapter (University of Delhi) under the aegis of DBT Star College Program.
- Online Faculty Training Program on Microsoft Teams on July 30th 2020 organized by Internal Quality Assurance Cell (IQAC) Deen Dayal Upadhyaya College (University of Delhi) Delhi.
- One Week Online Faculty Training Program on “Pedagogical Training for Effective Online Teaching and Learning” organized by DEEN DAYAL UPADHYAYA COLLEGE (University of Delhi) Supported by IQAC & DBT Star College Program in association with K.T.H.M COLLEGE, NASHIK from 3rd - 10th August, 2020.
- Two Week Online Faculty Development Programme” on “Transformation in Higher Education: Issues and Road Ahead” organized by Government Degree College for Women, Anantnag in collaboration with Mahatma Hansraj Faculty Development Centre (MHRFDC), Hansraj College, University of Delhi, (28th September to 12th October, 2020).

- One week FDP (online) on “Moving Towards New Normal with Effective Online Teaching” from 1 st December 2020 to 7 th December 2020 Organised by Department of Computer Science and (IQAC) Kalindi College, University of Delhi in Collaboration with Mahatma Hansraj Faculty Development Centre (MHRFDC) Hansraj College, University of Delhi.

Dr. Kapil Bohra participated in

- Faculty Training Program on Microsoft Teams organized by Internal Quality Assurance Cell (IQAC) Deen Dayal Upadhyaya College (University of Delhi) held on July 28, 2020.
- Professional Development Hour by attending Webinar on Steps towards Complex Matter: Chemistry! Nobel Laureate Prof. Jean-Marie LEHN SIS, University of Strasbourg Institute for Advanced Study organized by NASI - Delhi Chapter- & MHRD- IIC DDUC Chapter (University of Delhi) under the aegis of DBT Star College Program held on September 21, 2020.
- Two week (Online) Faculty Development Programme on “Transformation in Higher Education: Issues and Road Ahead” (28 th September- 12 th October, 2020) organised by Government Degree College for Women, Anantnag in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.
- One week (Online) Faculty Development Programme on “Moving Towards New Normal through Effective Online Teaching” (1 st December – 7 th December, 2020) organised by Kalindi College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre Hansraj College, University of Delhi.

Dr. Mamta Amol Wagh participated in webinar during science Academies online Lecture workshop on Frontiers on Science & Engineering, organized at DDU College (14 – 19 Sep. 2020)

Dr Manoj Saxena participated in

- 2020 all - virtual, web Conference on “Lasers and Electro - Optics (CLEO)” held during May 11, 2020 - May 15, 2020 (<https://www.cleoconference.org/home/schedule/>)
- PhD course on “MICRO-614: Electrochemical Nano-Bio-Sensing and Bio/CMOS interfaces, EPFL Doctoral School” held during June 15, 2020 - June 19, 2020 by Microsystems and Microelectronics (EDMI).EPFL
<https://www.epfl.ch/education/phd/edmi-microsystems-and- microelectronics/>
- One Week Online Short Term Course on “Nanotechnology for Electronic and Photonic Devices (NanoDev 2020)” organized by Punjab Engineering College held during June 15, 2020 - June 19,2020

Dr. Poonam Garg participated in

- Online National Workshop on Design & Develop: Online Assessment from 08th to 10th June, 2020 with A+ Grade by Shri Lal Bahadur Shastri National Sanskrit University, Teaching Learning Centre, Under PMMMNMTT, MHRD

- Online Faculty Training Program on Microsoft Teams organized by Internal Quality Assurance Cell (IQAC) Deen Dayal Upadhyaya College (University of Delhi) held on July 29, 2020.
- International Faculty Development Program (FDP) on SCILAB for Academics and Research organized by Department of Mathematics, School of Physical Sciences, DIT University, Dehradun, Uttarakhand in association with IIT Bombay Spoken Tutorials from August 10, 2020 to August 14, 2020.
- Professional Development Hour by attending Webinar on "National Education Policy 2020 - Strategy for Self-Reliant India", organised by Internal Quality Assurance Cell (IQAC) Deen Dayal Upadhyaya College (University of Delhi), on August 25, 2020.
- Online Workshop on Visual Note-Taking on 22nd September 2020, organized by Dr B R Ambedkar University Delhi.
- "Single Step Methods To Solve Initial Value Problems" organised by the Department of Mathematics and IQAC of Deshbandhu College, University of Delhi, held on January 29, 2021.
- "Learning Outcome Based Approach For Curriculum Planning And Development " organized by MasterSoft EPR Solutions Pvt Ltd on 30th January 2021.

Dr. Priya Goel participated in

- EMBL Conference: SARS-CoV2: Towards a New Era in Infection Research held on 03 July 2020, Virtual Conference, organized by EMBL, Germany.
- Science Academies" Science Leadership workshop organized by Central University of Punjab, Bhatinda from 22nd – 28th June 2020
- Online faculty training program on Microsoft Teams held on July 28, 2020 organized by IQAC, Deen Dayal Upadhyaya College (University of Delhi)
- One Week Online Faculty Development Programme on "ICT enhanced teaching learning and creating MOOCs" August 18 - August 25, 2020 organized by Teaching Learning Centre Ramanujan College University of Delhi And IQAC, Shivaji College University of Delhi.
- Webinar on National Education Policy 2020 – Strategy for self-reliant India on August 25, 2020 organized by IQAC, Deen Dayal Upadhyaya College, University of Delhi.
- Science Academies Online Lecture Workshop on Frontiers in Science & Engineering - Opportunities for Graduates held on September 14, 2020 organized by Science Foundation and MHRD-IIC-DDUC Chapter Deen Dayal Upadhyaya College, University of Delhi (Under the aegis of DBT Star College Program)

Dr. Poonam Kasturi participated in

- 10 days Faculty development Program (FDP) on Creating e-content and using LMS organized by Scrollwell from February 26, 2021 – March 2021.

- 2 days “Workshop on Understanding and Filling Intellectual Property Rights” with Dr. Rahul Taneja, Scientists, Department of Science and Technology, Government of Haryana as Mentor organized by Scrollwell EduTech LLP on February 17 – 18, 2021.
- Five days online International Workshop on Intellectual Property Rights (Equivalent to Faculty Development Program) held during February 09 – 13, 2021, organized by MoE-Institution Innovation Council (IIC) DDU Chapter under the aegis of DBT Star College Program and Internal Quality Assurance Cell, Deen Dayal Upadhyaya College, University of Delhi.
- One week Interdisciplinary online Faculty Development Programme on “Teacher, Teaching and Teacher Education: Processes, Concerns and Prospects” organized by Department of elementary Education & Internal Quality Assurance Cell (IQAC), Mata Sundari College for Women, University of Delhi, Delhi in collaboration with Teaching Learning Centre for Social Science (TLCSC), Doctor Harisingh Gour Vishwavidyalaya (A Central University), Sagar (M.P.) under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMNMTT), Ministry of Education, Government of India, New Delhi from October 18 – 23, 2020. Scored A+.
- Science Academies Online Lecture Workshop on “Frontiers in Science & Engineering - Opportunities for Graduates” Held during September 14-19, 2020 Organised by Science Foundation and MHRD-IIC-DDUC Chapter, Deen Dayal Upadhyaya College, University of Delhi, New Delhi (Under the aegis of DBT Star College Program).
- Online Faculty Training Program on Microsoft Teams, held on July 28, 2020 organized by Internal Quality Assurance Cell, Deen Dayal Upadhyaya College, University of Delhi.
- Completed One Professional development Hour each by attending the following special public lecture (webinar) organized by The National Academy of Sciences, India (NASI)-Delhi Chapter and MHRD - Institution Innovation Council (IIC) DDU Chapter under the aegis of DBT Star College Program, Deen Dayal Upadhyaya College, University of Delhi.
 - October 08, 2020 at 6:00 pm on A Voyage through time: Dynamics at molecular length and time scales by Prof. Biman Bagchi, FNA, FASc, FNASc, FTWAS, Foreign Fellow, American Academy of Arts and Sciences, National Science Chair, Honorary Professor, Indian Institute of Science, Bangalore. This webinar was part of the Department of Science and Technology (DST) Golden Jubilee Celebration (1971-2021)
 - August 30, 2020 at 7:00 pm on Wireless AI: A New Sixth Sense to Deciphering our World by Professor K. J. Ray Liu, Electrical and Computer Engineering Department, University of Maryland, College Park
 - July 28, 2020 at 10:00 am on “Physics Does Digital Optimization - for Machine Learning, Control Theory, Back Propagation” by Professor Eli Yablonovitch, The James & Katherine Lau Engineering Chair Professor, Electrical Engineering & Computer Sciences Dept., Director of the NSF Center for Energy Efficient Electronics Science, E3S

Member, Kavli Energy Nano-Sciences Institute at Berkeley Senior Faculty Scientist, Lawrence Berkeley National Laboratory University of California, Berkeley

- Completed Internship Program on ASIC Physical Design and Verification – RTL2GDII held from September 21 – October 20, 2020 from Sandeepani School of Embedded System Design, Bangalore (Authorized Training Provider, Xilinx) and CoreEL Technologies.
- Completed the online certification program on Advanced VHDL using Xilinx Vivado held from July 06 – 08, 2020 from Sandeepani School of Embedded System Design, Bangalore (Authorized Training Provider, Xilinx) and CoreEL Technologies.

Dr Rajan Gupta participated in

- 13th International Conference on Theory and Practices of Electronic Governance (ICEGOV 2020) through Online mode from 23rd Sept 2020 to 25th Sept 2020 organized by United Nations University.
- International Conference on Decision Aid Sciences and Applications (DASA'20) through Online mode from 8th Nov 2020 to 9th Nov 2020 organized by University of Bahrain and INFORMS.
- India International Science Festival (IISF), 2020 from 22nd Dec 2020 to 25th Dec 2020 organized by the Ministry of Science and Technology, Ministry of Earth Sciences, Ministry of Health & Family Welfare, Govt. of India
- Webinar on "COVID-19: Impact on Digital India" on 6th May 2020 organized by Vivekananda College, University of Delhi.
- Webinar on "Current Trends in Information Technology" on 15th May 2020 organized by Bharati College, University of Delhi.
- Online Workshop on "Google Classroom: Teaching, Learning & Managing" on 24th May 2020 organized by Swami Shraddhanand College, University of Delhi.
- National Webinar on "Marketing during COVID-19" on 28th May 2020 organized by Center For Management Studies, JAIN University, Bangalore.
- National Webinar on "Information Systems during and after the COVID- 19" on 5th June 2020 organized by Center For Management Studies, JAIN University, Bangalore
- Participated in National Webinar on "Research Proposal preparation for Funding Agencies in Social Science Studies" on 11th June 2020 organized by St. Joseph's College of Engineering, Chennai.
- Webinar on "Media's remarkable support during COVID-19" on 24th June 2020 organized by Gandhi PR College, Bhopal.
- Webinar on "Assessment and Accreditation Process for Institutions of Higher Education" on 30th June 2020 organized by Department of Computer Science, Government College, Narnaul, Haryana.

- Webinar on "Tips for Writing a High Quality research Paper" on 7th July 2020 organized by FIIB, Delhi
- E-Quiz on "Plagiarism Awareness- Research and Academic Ethics" on 21st July 2020 organized by Integral University, Lucknow
- Webinar on "National Education Policy 2020 – Strategy for Self-Reliant India", 25th Aug 2020 organized by IQAC, Deen Dayal Upadhyaya College, University of Delhi
- Webinar on "Granular Mining, Uncertainty Modelling and Data Science: Concepts, Models & Challenges" on 26th Sept 2020 organized by NASI & MHRD-IIC, Deen Dayal Upadhyaya College, University of Delhi.
- Live Masterclass on "Patent Drafting" on 28th Nov 2020 organized by TURNIP Innovations Pvt. Ltd.
- Preamble Reading Participation organized by the Ministry of Social Justice and Empowerment, Government of India on 2nd Dec 2020
- One Week Faculty Development Program on "Moodle Learning Management", from 12th May 2020 to 17th May 2020 organized by Atal Bihari Vajpayee University, Bilaspur, India.
- Two Weeks Faculty Development Programme on "Managing Online Classes and Co-creating MOOCS:2.0", from 18th May 2020 to 3rd June 2020 organized under MHRD PMMMNMTT scheme by Teaching Learning Centre, Ramanujan College, University of Delhi.
- One Week Faculty Development Programme on "Fundamentals of Machine Learning", from 12th June 2020 to 18th June 2020 organized by ICT Academy
- Four Weeks Induction/ Orientation Programme for "Faculty in Universities/ Colleges/ Institutes of Higher Education" from June 04 - July 01, 2020 organized under MHRD PMMMNMTT scheme by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Winter School in Artificial Intelligence at IIIT Delhi, India
- "Certification in Tableau" at Ernst Young (EY), Gurugram, India
- "Workshop on Simplifying Start-up Fund Raising Masterclass" by ET Masterclass, Economic Times, Times Internet Ltd

Dr Rakesh Kumar participated in One week Workshop on Research Methodology from January 6-14, 2021 organized by CPDHE, University of Delhi.

Dr Rashmi Gupta participated in

- Participated as student Counselor and Tutor for the Mini-MTTS Programme, Delhi held online during 08-17 July, 2020.
- Participated in One Professional Development Hour by attending Webinar on National Education Policy 2020 - Strategy for Self – Reliant India, held on August 25, 2020.

Dr Ravinder Kaur participated in

- Faculty Development Programme, National Webinar on "Development of Higher Education in India: An overview" organized by Guru Angad Dev Teaching Learning Centre (GAD-TLC), SGTB Khalsa College, University of Delhi under the (PMMMNTT) of MHRD held on 16th April 2020. (This is equivalent to a regular National Seminar)
- Faculty Development Programme, National Webinar on "Re engineering Higher Education: A seamless knowledge Management System for the University" organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNTT of MHRD held on 22nd April 2020. (This is equivalent to a regular National Seminar)
- Faculty Development Programme, National Webinar on "Roles of Teachers in Technology driven Higher Education" organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNTT of MHRD held on 25th April 2020. (This is equivalent to a regular National Seminar)
- Faculty Development Programme, National Webinar on "Towards Excellence in Higher Education in India in the 21st century: Challenges and Opportunities" organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNTT of MHRD held on 29th April 2020. (This is equivalent to a regular National Seminar)
- Faculty Development Programme, National Webinar on "Challenges and Opportunities before Indian Higher Education due to Covid-19" organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNTT of MHRD held on 2nd May 2020. (This is equivalent to a regular National Seminar)
- Faculty Development Programme, National Webinar on "Corona Pandemic and Economic Challenges in India" organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNTT of MHRD held on 4th May 2020. (This is equivalent to a regular National Seminar)
- Faculty Development Programme, National Webinar on "Challenges and Opportunities in Higher Education in India for 21st century" organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNTT of MHRD and IQAC, Hindu College held on 8th May 2020. (This is equivalent to a regular National Seminar)
- National Webinar "Technology Enabled Higher Education in India: Challenges and Opportunities" organized by Departments of Mathematics, Statistics and Computer Science, Mata Sundri College for Women, University of Delhi on 15th June, 2020
- One Day Premium Lecture/Webinar entitled "Examination Reforms and Online Assessment Tools" organized by GAD-TLC, SGTB Khalsa College, University of Delhi under the PMMMNMTT of MHRD on 12th July, 2020.
- One Day Premium Lecture/Webinar entitled "Curricula Reforms for 21st Century Higher Education" organized by GAD-TLC SGTB Khalsa College, University of Delhi under PMMMNMTT of MHRD on 26th July 2020.

- One Day Online National Workshop entitled "Flipped Learning Approach: A Novel ICT-Empowered Pedagogy for 21st Century Learning Needs" organized by GAD-TLC, SGTB Khalsa College, University of Delhi under PMMMNMTT of MoE on 26th November 2020.
- Webinar on "Changing Mindsets with changing time" organized by SGGSIET (Nanded) and IES Forum on 12th December 2020.
- Professional Development Hour by attending IEEE Electron Device Society (EDS) Distinguished Lecture (DL) on "Phase change electro-optical devices for space applications" organized by IEEE Electron Device Society (EDS) Delhi Chapter – India and Department of Electronic Science, UDSC on 12th May 2020.
- Professional Development Hour by attending IEEE Electron Device Society (EDS) Distinguished Lecture (DL) on "Phase change electro-optical devices for space applications" organized by IEEE Electron Device Society (EDS) Delhi Chapter – India and Department of Electronic Science, UDSC on 12th May 2020.
- Professional Development Hour by attending IEEE Electron Device Society (EDS) Distinguished Lecture (DL) on "Compact Modeling and Parameter Extraction for Oxide and Organic Thin Film Transistors (TFTs)" organized by IEEE Electron Device Society (EDS) Delhi Chapter – India and Department of Electronic Science, UDSC on 31st May 2020.
- Completed One Professional Development Hour by attending IEEE Electron Device Society (EDS) Distinguished Lecture (DL) on "Endofullerenes: Nano-scale test tubes for single molecules and atoms" organized by NASI - Delhi Chapter- & MHRD- IIC Deen Dayal Upadhyaya College Chapter on 8th June 2020.
- Professional Development Hour by attending webinar on "National Education Policy 2020 - Strategy for Self-Reliant India" organized by IQAC, DDUC.
- Faculty Development Program on "Multimedia enriched e- Content Development" organized by GAD-TLC of MHRD, SGTB Khalsa College, University of Delhi under PMMMNMTT from 21st to 26th May 2020 .
- FDP on "Development of Career in Higher Education in India in the 21st Century" organized by GAD-TLC of MHRD, SGTB Khalsa College, University of Delhi under PMMMNMTT in collaboration with St. Joseph College, Agra from 23rd to 27th June, 2020
- National online Faculty Training Program on "Pedagogical Training for Effective Online Teaching and Learning" organized by DDUC(University of Delhi) and KTHM College Nashik, under Internal Quality Assurance Cell and DBT Star College Scheme, from 3rd to 10th August 2020.
- FDP on "Learning Management System (MOODLE) For Online Teaching-Learning" organized by GAD-TLC of MHRD, SGTB Khalsa College, University of Delhi under PMMMNMTT from 11th to 17th October, 2020

- one week online FDP on "Towards Quality Higher Education through NEP-2020" organized by GAD-TLC of MHRD, SGTB Khalsa College, University of Delhi under PMMMNMTT from 27th to 2nd November, 2020
- IIC Online Sessions on "Innovation, IPR, Entrepreneurship, and Start-ups among HEIs" conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi from 28th April to 22nd May 2020.
- Completed certificate course on "Leaders of Learning" by HarvardX in May 2020.
- Completed certificate course on "e-Learning Ecologies: Innovative Approaches to Teaching and Learning for the Digital Age" by Coursera from University of Illinois in May 2020.
- Completed certificate course on "Leading Ambitious Teaching and Learning" a by Michigan in September 2020.
- Completed "T1 Embedded System Design using MSP 430™ MCU" MOOC by Texas Instruments and AICTE.

Dr. Reema Chhabra participated in

- One Day National Webinar on "Promotional Avenues for teachers in Higher Education: CAS Regulations-2018" organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College on 5th September 2020.
- One Day National Workshop on "Flipped Learning Approach: A Novel ICT-Empowered Pedagogy for 21st Century Learning Needs" Organised by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College on 26th November 2020.
- Online Faculty Training Program on Microsoft Teams on July 30, 2020 organized by IQAC, DDU College under the aegis of DBT Star College program
- National One Week Online Faculty Training Program on "Pedagogical Training For Effective Online Teaching & Learning" organized by DDU College and KTHM College, Nashik 3-8-2020 to 10-8-2020
- One Week National Faculty Development Program on "Development of Teacher's E-Kit and MOOCs in Four Quadrant Format of e-Content" organized by Guru Angad Dev Teaching Learning Centre under PMMMNMTT, 12-9-2020 to 20-9-2020
- One Week National Faculty Development Program on "Towards Quality Higher Education through NEP-2020" by Guru Angad Dev Teaching Learning Centre under PMMMNMTT, 27-10-2020 to 2-11-2020
- One Week National Faculty Development Program on "Quality Science Education in India in the 21st Century" by Guru Angad Dev Teaching Learning Centre under PMMMNMTT, 3-11-2020 to 9-11-2020

- One week Faculty development program on "Moving Towards new Normal through Effective Online Teaching" by Kalindi College in Collaboration with Mahatma Hansraj Faculty Development centre, 1-12-2020 to 7-12-2020

Dr. Renu Solanki participated in

- Four week International Faculty Development Online Certificate Course on "MEDICAL BACTERIOLOGY" organized by Department of Microbiology, Sacred Heart College (Autonomous), Tirupattur, Tamil Nadu, India in association with Microbiologists Society, India and Laboratory of Chemical and Biological Analysis (LAQB), Western Rio Janeiro State University from 1st June, 2020 to 30th June, 2020
- Faculty Development Programme on "Effective Ways to develop e-content for Teaching-Learning" organized by Maratha Vidya Prasarak Samaj's, K.R.T. Arts, B.H. Commerce and A.M. Science (K.T.H.M.) College, Nashik in association with Human Resource Development Centre (UGC-HRDC), Savitribai Phule Pune University, Pune from 21st May, 2020 to 30th May, 2020 (online)
- Short Term Course on "Inclusive Learning Environment" organized by Inter University Centre for Disability Studies, Mahatma Gandhi University, Kottayam, Kerala in collaboration with MES's Pillai College of Education and Research, Chembur, Mumbai from 10th June, 2020 to 18th June, 2020 (online)
- Short Term Course on "Research Methodology" organized by The Berar General Education Society's, Shri R.L.T College of Science, Akola in association with Ph.D. Cell S.G.B.A.U Amravati, Amravati University Chemistry Teachers Association and Microbiologist Society India from 13th to 16th July, 2020.(online)
- Webinar Series on "Fermentation Technology" held from 13th to 16th July, 2020 organized by the Biospectra Association of the Department of Biotechnology, Guru Nanak College (autonomous), Guru Nanak Salai, Velachery, Chennai
- Online Faculty Training Program on "Microsoft Teams" organized by Internal Quality Assurance Cell (IQAC) Deen Dayal Upadhyaya College (University of Delhi) on 28th July, 2020
- International online workshop for undergraduate biology teacher on "Student-Centric Learning Strategies" organized by the Department of Microbiology, Bhavan's Vivekananda College of Science, Humanities & Commerce, Secunderabad from 2nd -11th Nov, 2020

Dr R. M. Bhardwaj participated in

- Online Faculty Training Program on Microsoft Teams organized by the IQAC Cell, Deen Dayal Upadhyaya College (University of Delhi).(July 27-29 2020)
- online International workshop on Intellectual Property Rights (IPR, Equivalent to Faculty Development Program) from 9th Feb. to 13th Feb.13th 2021 organized by the MOE-

Institution Innovation Council (ICC, under the Ministry of Education, Govt. of India) and IQAC, Deen Dayal Upadhyaya College, DU

- One Week Faculty Development Program on „E-Learning and Developing MOOC’S for Teaching Process in Higher Education“ from December 14- December 20 Under the aegis of Min. of Education, Deptt. of Statistics, Hindu College, DU in collaboration with PMMMNMTT Teaching Learning Centre, Ramanujan College, DU.

Mr. Sandeep participated in

- FDP on “Data Analysis with Statistical Methods” at Ramanujan College (21 Dec 2020 to 3 Jan 2021), Delhi
- FDP on “Research Methodology” at Ramanujan College (1 Oct. 2020 to 15 Oct. 2020), Delhi
- International Summer school on “Physics of Plasma- Surface Interactions” at Moscow (Russia) from July 13-16 2020
- National conference on “Model of THz generation by a periodic array of a photoconductive GaAs Antennae” at IIT Delhi, (1-3 Dec 2020)
- International conference on “Model for ion acoustic wave in terahertz range generated by a femtosecond laser pulse in plasma”, Ibaraki Japan, (26-31 Oct. 2020)

Dr. Savita Gahlaut participated in

- 'How huge is Nano'- organised by Bhaskaracharya college of Applied Sciences on May 29, 2020.
- 'Empathetic Conversational Artificial Intelligence (AI)' - Organised by NASI and MHRD-Institution Innovation Council (IIC) Deen Dayal Upadhyaya College Chapter on July 26, 2020.
- 'Surprises in Elementary Physics: Examples from Mechanics. Optics, and Thermodynamics'- Organised by IAPT and DSSTF on August 6, 2020.
- 'Nature’s Engines: Active Matter' - organised by NASI and MHRD-Institution Innovation Council (IIC) Deen Dayal Upadhyaya College Chapter on August 14, 2020.

Dr. Sudhir Verma participated in

- European Molecular Biology Organization (EMBO) Symposium on “Engineering meets Evolution: Designing Biological Systems” organized at IIT Madras from January 30- February 01, 2020
- One-week International e-Workshop on Bioinformatics organized by Department of Biotechnology, Delhi Technological University from December 14-18, 2020.
- Online course on Understanding Open Educational Resources from Commonwealth of Learning on October 15, 2020

- IIC online sessions to promote innovation, IPR entrepreneurship, and start-ups among HEIs from April 28-May 22, 2020, organized by IIC, MHRD
- Science Leadership Workshop from June 22-28, 2020, organized by Central University of Punjab, Bathinda
- Online Faculty Development Program on Libre Office Impress organized by College of Commerce, Arts; Sciences, Patna in association with Remote Learning through Spoken Tutorial, IIT Mumbai from June 15-21, 2020
- National Workshop on "Online and Blended Learning" organized by Teaching Learning Center, SNDT University, Mumbai from March 09-21, 2020
- National Workshop on "ICT Tools for online learning" organized by Teaching Learning Center, SNDT University, Mumbai from April 20-28, 2020
- National Faculty Development Program on "Managing Online Classes and Co-creating MOOCs" organized by Teaching Learning Center, Ramanujan College, Delhi from May 18-June 03, 2020
- National level 4-weeks long workshop on "Transition to Online Facilitation" by National Program on Technology Enhanced Learning (NPTEL), IIT Madras from May 06-June 09, 2020
- National level 4-weeks long workshop on "Cooperative Learning Pedagogy" organized under UNESCO's Open Education for Better World (OB4BW) program from May 22-June 21, 2020
- completed the course on "How to become Online Teacher" by Amity University on April 12, 2020
- Faculty training program on Microsoft Teams, organized by IQAC, DDU College on July 28, 2020
- Workshop on „Design, Develop and Deliver Online Courses with Moodle Learning Management System" organized by UGC-HRDC, Jawaharlal Nehru University (JNU) on April 30-May 01, 2020

Dr Sunny Manohar participated in

- Webinar on "Endofullerenes: Nano-scale test tubes for single molecules and atoms" by Professor Malcolm Levitt School of Chemistry at the University of Southampton organized by The National Academy of Sciences, India (NASI) Delhi Chapter and MHRD-Institution Innovation Council (IIC) Deen Dayal Upadhyaya College Chapter on June 08, 2020.
- Webinar on "Nano Science and Nanotechnology in the Present Scenario" organized by School of Physical Sciences and Special Centre for Nano Sciences, JNU, New Delhi, June 09 - June 10, 2020.
- National webinar on "Open Educational Resources" organized by Department of Chemistry, Gargi College, University of Delhi, Delhi on May 21, 2020.

- Online Faculty Training Program on "pedagogical training for effective online teaching & learning", August 03 - August 10, 2020, Jointly organized by jointly organized by Deen Dayal Upadhyaya College (University of Delhi) and K.T.H.M. College, Nashik, Maharashtra under the Internal Quality Assurance Cell (IQAC) & DBT Star College Program.
- Online Faculty Development Programme on "Transformation in Higher Education: Issues and Road Ahead", September 28 - October 12, 2020, Organized by Government Degree College for Women, Anantnag in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College (PMMMNMST), University of Delhi.
- Faculty Development Programme on "Moving Towards New Normal through Effective Online Teaching", December 01 - December 07, 2020, Organized by Kalindi College, University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College (PMMMNMST), University of Delhi.

Dr Varnika Bhatia participated in

- Short Term Course on „Personality Development and value Education“ from 13-19 February, 2020 organized by Centre for Professional Development in Higher Education (CPDHE), University of Delhi, Delhi.
- Faculty Development Programme on „Research Methodology: Tools & Techniques from 5-11 June, 2020 organized by Atma Ram Sanatan Dharma College (University of Delhi) In Collaboration with Teaching Learning Center, Ramanujan College (University of Delhi) under Pandit Madan Mohan Malviya National Mission on Teachers and Training Scheme of MHRD, Govt. of India.
- Online Faculty Training Program on Microsoft Teams from 27-29 July, 2020 organized by Internal Quality Assurance Cell (IQAC), Deen Dayal Upadhyaya College, University of Delhi, Delhi.
- Webinar on "Authentication Services in Herbal Medicine; principles and prospects to prevent fraudulence in the herbal market" held on 19 – 20 November 2020 organized by SRM Institute of Science and Technology, Kattankulathur.
- One week Faculty Development Programme on „Transforming Lifestyle through Yoga Darshan and its Functional modes“ from 20-26 November, 2020 organized by Teaching Learning Centre, Ramanujan College, University of Delhi.
- Celebration of Constitution Day on 2 December, 2020 organized by Internal Quality Assurance Cell (IQAC), Deen Dayal Upadhyaya College, University of Delhi, Delhi.
- One week Faculty Development Programme on „E-content Generation and Managing Online Teaching“ from 11-17 December, 2020 organized by Sri Aurobindo College (E), University of Delhi in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi.

Dr. S. N Tripathi participated in Two week Refresher Course on ICT organized by UGC-HRDC Himachal Pradesh University, Shimla (H.P.) from 01 February 2021 to 13 February 2021.

CONFERENCES / WORKSHOPS / SEMINARS ORGANIZED

Dr. ARPITA SHARMA organized a seminar on "All about Data Science Projects" on 20th March 2021 from 10 am to 12 noon, Under Data Analytics Club. The speaker was Dr Mohit Goel, Senior Data Analyst in naukri.com.

Dr. Mamta Amol Wagh organised ten days online **Mathematics Training and Talent Search Programme (Mini-MTTS)**, Delhi held online during 08-17 July, 2020 as student Counselor and Tutor

Dr. Manoj Saxena as a coordinator organized

Online Distance Learning Training Program/ Courses conducted by Indian Institute of Remote Sensing, ISRO, Department of Space, Govt. of India

- **Application of Geo informatics in Ecological Studies** held during July 13, 2020 - July 24, 2020
- **Satellite Photogrammetry and its Application** held during June 29, 2020 - July 03, 2020
- **Geospatial Inputs for Enabling Master Plan Formulation** held during July 27, 2020 - July 31, 2020
- **Remote Sensing Applications in Agricultural Water Management** held during August 03, 2020 – August 07, 2020
- **Remote Sensing and Digital Image Analysis** held during August 17, 2020 – September 11, 2020
- **Basics of Remote Sensing Geographical Information System and Global Navigation Satellite System** held during August 17, 2020 – November 20, 2020
- **Global Navigation Satellite System** held during September 14 2020 - September 25 2020
- **Understanding of Coastal ocean processes using Remote Sensing and Numerical Modelling** held during September 21-25, 2020
- **Geographical Information System** held during September 28- October 23, 2020
- **Basics of Geocomputation and Geoweb Services** held during October 19, 2020 to October 29, 2020
- **RS & GIS Applications** held during October 26 – November 20, 2020
- **Remote Sensing of Land Degradation** held during December 01- December 07, 2020
- **Advances in SAR-Polarimetry & Interferometry** held during December 14-18, 2020

Dr Priya Goel organized the following

- As convener - International webinar on "**World Food Programme (WFP) – A journey to the Nobel Peace Prize 2020**" was organized on October 20, 2020

- As member – “**Science Academies Online Lecture Workshop on Frontiers in Science & Engineering - Opportunities for Graduates**” - September 14-19, 2020 organized by Science Foundation and MHRD-IIC-DDUC Chapter Deen Dayal Upadhyaya College, University of Delhi, New Delhi (Under the aegis of DBT Star College Program) (As Organizing member)
- As member - Online International Workshop on “**Intellectual Property Right (IPR)**” scheduled from February 09 - 13, 2021 organized by Internal Quality Assurance Cell (IQAC) and MoE-IIC-DDUC Chapter, Deen Dayal Upadhyaya College (University of Delhi) (As organizing member)
- Convenor, **Virtual visit to Aravalli Biodiversity Park**, New Delhi on February 17, 2021 organized by Department of Zoology, Deen Dayal Upadhyaya College (University of Delhi)

Dr. Poonam Kasturi organized the following

- ❖ Online Internship - cum - Hands-on Training Workshop on “Verilog Implementation of Digital Circuit Designs on FPGA using Vivado” from June 17, 2020 – July 17, 2020 organized by Department of Electronics and MHRD – INSTITUTION’S INNOVATION COUNCIL (IIC) - DDUC CHAPTER, (Under the aegis of DBT Star College Program, Electronics) in collaboration with CoreEL Technologies. It was a 40 hour teaching with hands on experiments program followed by project work for another 7 days.

Dr. Ravinder Kaur organized the following

- A webinar on “**Entrepreneurship and Innovation-The Driver of Growth**” by **Mr. Karamjitsinh Bihola**, founder of „Innodesk Designovation Services” on 15th February 2021.
- Organized One Week Physical/Online Faculty Development Program on “**Machine Learning and Pedagogy**” in collaboration with GAD-TLC of MHRD, SGTB Khalsa College, University of Delhi under PMMMNMTT which was scheduled for 11th - 15th March, 2020 at DDUC Campus but because of Covid-19 it was completed in blended mode: 11th and 12th March 2020 at the College followed by online mode from 12th to 18th May 2020. It was a 40 hours program

Dr Renu Solanki organised the following as

- Coordinator of online quiz on “**Coronagyan**” organized by Department of Zoology, Deen Dayal Upadhyaya College (University of Delhi) under the aegis of Science Foundation on 2nd – 3rd July, 2020.
- Convenor and Resource person for one session of the National Level One week online Faculty Training Program on “ **Pedagogical Training for effective teaching and learning**” jointly conducted by Deen Dayal Upadhyaya College (University of Delhi) and **KTHM college Nashik** under **Internal Quality Assurance Cell (IQAC)** and **DBT Star College Program** from 3rd to 10th August, 2020.

- Co-ordinator of the Webinar on "**Strategies behind Covid-19 Vaccine Candidates**" organized under the aegis of Synapses: The Zoological Society of Deen Dayal Upadhyaya College on 13th October 2020
- Convenor of International Conference (A virtual outreach Program) "**Reaching Out to Children & Society: A step towards promoting Microbiology Literacy**" organized by Department of Zoology, Deen Dayal Upadhyaya College (University of Delhi) in association with **The Association of Microbiologists of India** and **Indian Network for Soil Contamination Research (INSCR)**, in association with **TERI, Department of Zoology, University of Delhi, IARI & INSA** on 3rd February, 2021.

Dr R. M. Bhardwaj organized the following

- Convener, National Workshop/ Zoom Webinar on The Scourge of New Corona Virus 2019-20-History, Historicity and Challenges-Society and Economy" organized by Deptt of History and Social Sciences on 2nd December, 2020
- Convener, „**Industrial Policy Resolution 2021**“ organised by Economics Department on 11th Feb.2021
- Convener, „Three Agricultural Laws and Adhati Movement“ organised by Political science at Deen Dayal Upadhyaya College on 23rd Feb 2021.
- Convener, Hindi webinar through College Zoom App on“ **Kabir Kavya Ki Prasangikta**“ on 26th Feb.2021

Dr Sudhir Verma Organized following activities as Event Convener/ Convener-DBT Star (Zoology):

- International webinar on "**World Food Program (WFP)- A journey to the Nobel Peace Prize 2020**" on October 20, 2020
- Webinar on "**How to read scientific literature**" and "**Introduction to MANAV- The Human Atlas Initiative**" on June 09, 2020
- Hands-on workshop on "**Science Illustrations**" on January 28, 2020
- **Campus Bird Count** and Introductory Lecture by **Ms. Misha Bansal** (Coordinator, Campus Bird Count, Delhi) on February 17, 2020

PAPERS PRESENTED IN CONFERENCE

- ❖ **Dr. Dinesh Kumar** - Presented a paper entitled "**Dynamics of Nearly Abelian Transcendental Semigroup**" in International Web-Conference on Complex Analysis and Differential Geometry: Revisiting(IWCADGR-2020) held at Sidho-Kanho-Birsha University, Purulia, West Bengal from June 29-30, 2020.

- ❖ **Dr. Priya Goel** - Presented paper: "**Can simulated models take over hands-on dissections? A survey**" in National workshop on Computer simulated dissections in Zoology organized by Dyal Singh College, Karnal held on March 06, 2020.
- ❖ **Mr. Rajan Gupta** presented a paper by Gupta, Rajan, & Pal, S. K. (2020, September). "**Effective inclusion of citizens through eGovernance services: case study of direct benefit transfer in India.**" at 13th International Conference on Theory and Practice of Electronic Governance, United Nations University – ORAL PRESENTATION through Online Mode.
- ❖ **Mr Rajan Gupta** presented a paper by Gupta, Rajan, Pal, S. K., Khattar, A., & Baliyan, K. (2020, November). "**Technology Applications for Health Safety Decision Making under COVID-19 Pandemic Management.**" at 2020 International Conference on Decision Aid Sciences and Application (DASA), Bahrain, IEEE – ORAL PRESENTATION through Online Mode.
- Dr. R M Bhardwaj - - Presented a paper entitled „**The Scourge of New Corona Virus 2019-20: History, Historicity and Challenges; Society and Economy**“ as theme introducer and panelist in National Workshop/ Zoom Webinar organized by Deptt of History and Social Sciences on 2nd December, 2020

E-CONTENT, TRANSLATED WORK, BOOKS, BOOK CHAPTERS, AND PAPERS IN CONFERENCE PROCEEDINGS PUBLISHED BY THE FACULTY

E-CONTENT DEVELOPED

Dr Priya Goel developed the course "**Developmental Biology**" e-lectures in **DTH SWAYAM Prabha channel-15**, Ministry of Human Resource Development (MHRD)\

link: https://www.youtube.com/playlist?list=PLvXwdJC8soml9C9mHDC8YFZKSHYa5_BTZ

Dr. Sudhir Verma (2020) developed the video lecture based course on "**Evolutionary Biology**" for undergraduate students, in a total of 17 lectures (each video lecture of one hour duration), telecasted on **Swayam Prabha DTH Channel 15** by NPTEL, IIT Madras.

https://www.swayamprabha.gov.in/index.php/program/current_he/15

Archived videos can be accessed on youtube:

https://www.youtube.com/playlist?list=PLhWYf911na-VnR9HFoBUndaYcB_85IFTN

TRANSLATED WORK

Dr. Sudhir Verma, Dr. Sandeep Siradhna and Dr. Surender Kumar (2020) **translated the e-book** on **COVID-19 essential information** in **Haryanvi** language, published by „**The Hindu**“, coordinated by **Confluence (Indian Academy of Sciences)** and **CoESME (IISER Pune)**.

<https://www.thehindu.com/news/resources/article31174608.ece/binary/Haryanvicovid19ebook.pdf>

LIST OF BOOKS PUBLISHED

1. Charu Agarwal, **Anurag Mishra, Arpita Sharma** (2021). Digital Image Watermarking Techniques (Using Soft Computing Techniques). LAMBERT Academic Publication. ISBN 978-620-0-47878-8.
2. **Gupta Rajan** & Pal, S. K. (2021). Introduction to Algorithmic Governance. Volume 1, 154 Pages, Palgrave Macmillan, SPRINGER. ISBN: 978-981-16-0281-8
[<https://www.springer.com/in/book/9789811602818>].
3. Muttoo, S. K., **Gupta Rajan** & Pal, S. K. (2020). E-Governance in India – Progress Status. Volume 1, 216 Pages, Palgrave Macmillan, SPRINGER. ISBN: 978-981-13-8851-4.
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BOOK CHAPTERS PUBLISHED

1. Bansal, M., **Mishra, A.; Sharma, A.** (2020). Optimized DWT SVD Based Image Watermarking Scheme Using Particle Swarm Optimization. 20th International Conference on Computational Science and its Applications, (pp. 862-877), Lecture Notes in Computer Science (LNCS), Vol 12254, Springer.
2. Bhadouria, R., Mishra, D., Singh, V. P., Singh, P., Srivastava, P., **Tripathi, S.**, and Singh, R., (2020) "Nanocatalyst types and their potential impacts in agroecosystems: An overview. In Nano-Materials as Photocatalysts for Degradation of Environmental Pollutants, (pp. 323-344), Elsevier (ISBN: 978-0-12-818598-8).
3. Das, S., Kumari, V., Gupta, M., **Saxena, M.** (2021), Gate Leakage Current Assessment of AlGaIn/GaN HEMT with AlN Cap Layer, Lecture Notes in Networks and Systems, (LNNS 147), 459 – 464, ISSN 2367-3370
4. **Gupta, Rajan**, Pal, S. K., & Muttoo, S. K. (2020). Data Analytics for better Branding of EGovernance and E-Business Systems – Case of "Digital India" Campaign. Leveraging Digital Innovation for Governance, Public Administration, and Citizen Services, Vol 1, Chapter 3,(pp. 51-79),IGI Global.
5. **Gupta, Rajan** and Pal, S.K. (2020). Learning & Developing with each other-Case of Collaborative Innovation through ICT in India & Canada. Leveraging Digital Innovation for Governance, Public Administration, and Citizen Services, Chapter 6, (pp 132-146), IGI Global .
6. **Gupta, Rajan**, Pal, S. K., & Muttoo, S. K. (2020). Cyber Security Assessment Education for EGovernance Systems. In Innovations in Cybersecurity Education (pp. 181-212). Springer, Cham.
7. **Gupta, Rajan**, & Pal, S. K. (2020). Click-Through Rate Estimation Using CHAID Classification Tree Model. In Advances in Analytics and Applications, Conference Proceeding Book of "5th IIMA International Conference on Advanced Data Analysis, Business Analytics and Intelligence", Indian Institute of Management Ahmedabad, (pp. 45-58) Springer, Singapore.

8. Kapoor, Vaishali, **Sachchidanand Tripathi**, Rajkumari Sanayaima Devi, Pratap Srivastava, and Rahul Bhadouria. "Ecological economics of an urban settlement: an overview." In Urban Ecology (2020) (pp .91-110), Elsevier (ISBN: 978-0-12-820730-7).
9. Nayak, A., Kumari, V., Gupta, M., Saxena, M. (2021), Comparative Study of AlGaIn/GaN HEMT and MOS-HEMT Under Positive Gate Bias-Induced Stress, Lecture Notes in Networks and Systems, LNNS 147, ISSN 2367-3370
10. Neha, Kumari, V., Gupta, M., Saxena, M. (2021), Numerical Investigation of Gate Field Plate AlGaIn/GaN HEMT with Multi-recessed Buffer, Lecture Notes in Networks and Systems, LNNS 147, ISSN 2367-3370
11. Pratap Srivastava, Rishikesh Singh, Rahul Bhadouria, **Sachchidanand Tripathi**, Hema Singh and Akhilesh Singh Raghubanshi, " Understanding Soil Aggregate Dynamics and its relation with land use and climate change"(2020), In Climate Change and Agriculture Ecosystem (pp .331-354), Woodhead Publishing.
12. **Rakesh Kumar**, "Economic effect of COVID-19 and state policy response for workforce protection" Stakeholder Strategies for Reducing the Impact of Global Health Crises (2020), IGI-Global Publishing.
13. Sehra, K., Kumari, V., Gupta, M., Mishra, M., Rawal, D.S., **Saxena, M.** (2021), An Asymmetric n - Gate MOSHEMT Architecture for High Frequency Applications, Lecture Notes in Networks and Systems, ISSN 2367-3370
14. Singh, Vipin Kumar, Rishikesh Singh, **Sachchidanand Tripathi**, Rajkumari Sanayaima Devi, Pratap Srivastava, Pardeep Singh, Arun Kumar, and Rahul Bhadouria (2020) "Seed priming: state of the art and new perspectives in the era of climate change." In Climate Change and Soil Interactions, (pp. 143-170), Elsevier (ISBN: 978-0-12-820730-7).
15. **Tripathi Sachchidanand**, Pratap Srivastava, Rajkumari Sanayaima Devi, Rahul Bhadouria (2020) "Influence of synthetic fertilizers and pesticides on soil health and soil microbiology" In Agrochemicals Detection, Treatment and Remediation ,(pp. 25-54). Butterworth-Heinemann (Elsevier) (ISBN: 978-0-08-103017-2).
16. **Tripathi, Sachchidanand**, Vipin Kumar Singh, Pratap Srivastava, Rishikesh Singh, Rajkumari Sanayaima Devi, Arun Kumar, and Rahul Bhadouria (2020) "Phytoremediation of organic pollutants: Current status and future directions." In Abatement of Environmental Pollutants, (pp. 81-105), Elsevier (ISBN: 978-0-12-818095-2).
17. Visvkarma, A.K., Sehra, K., Laishram, R., Rawal, D.S., Saxena, M. (2021), Enhancement in Electrical Characteristics of AlGaIn/GaN HEMT Using Gate Engineered Dielectric Pocket Dual-Metal Gate, Lecture Notes in Networks and Systems, LNNS 147, ISSN 2367-3370

LIST OF PAPERS PUBLISHED IN PEER REVIEWED JOURNALS

(DATA CONSIDERED TILL JUNE 2021)

1. **Agasti, N.** (2021), Decontamination of heavy metal ions from water by composites prepared from waste, *Current Research in Green and Sustainable Chemistry*, 4: 100088,1-9, ISSN 2666-0865
<https://www.sciencedirect.com/journal/Current-Research-in-Green-and-Sustainable-Chemistry>
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2. Ahmad, T., Jindal, K., Tomar, M., **Jha, P.K.**, Gupta, V. (2021), Role of charge states and dopant site in governing electronic properties of Cr doped BiFeO₃, *Materials Chemistry and Physics*, 263: 124438, 1-9, ISSN 0254-0584
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3. Ameer, S., Jindal, K., Tomar, M., Jha, P.K., Gupta, V. (2020), The role of an unintentional carbon dopant in resolving the controversial conductivity aspects in BiFeO₃, *Physical Chemistry Chemical Physics*, 22(18), 10010-10026, DOI: 10.1039/c9cp06614d
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5. **Anuja Soni, Anand Saxena**, Parul Bajaj (2020), A Methodological Approach for Mining the User requirements Using Apriori Algorithm, *Journal of Cases on Information Technology (JCIT)*, IGI Global 22(4): 1-30. ISSN 1548-7717
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10. Chaudhari, R., Garg, A., **Singh, K.**, Tomar, M., Gupta, V., RaviKant, C (2021), Bismuth tri-iodide- polystyrene composite for X-rays switching applications at room temperature, *Radiation Physics and Chemistry*, 186: 109538, 1-7, ISSN 0969-806X
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