



भैषजिक समाचार @DPSRU

Newsletter

of

Delhi Pharmaceutical Sciences and Research University

(Established Under Act 07 of 2008, Govt. of NCT of Delhi)

M.B. Road, Pushp Vihar, Sector 3, New Delhi - 110017

Moving beyond Pandemic: Reinventing ourselves

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Reinstatement of Hon'ble VC Sir

Prof. Ramesh Goyal starts his second term as the Vice-Chancellor of Delhi Pharmaceutical Sciences and Research University, on the 1st Sept. 21, with the blessings of BoG Members.

The faculty and staff members celebrated the event with joy and excitement for the new beginnings.



"The greatest glory in living lies not in never falling, but in rising every time we fall."

-Nelson Mandela



A Message from Vice Chancellor's Desk



Although, it is difficult to say “Pandemic has subsided”. It is certainly not over, neither it is havoc as it was in ‘2020-21’. Whatever may be the case, pandemic has opened up several new normals and the Pharmaceutical Sciences University like DPSRU needs to reinvent ourselves. This is precisely the newsletter Vol 2 Issue 2 is reflecting. My compliments, congratulations and gratitude to all the editors, contributors and stakeholders of the University to support in our endeavors.

On 31st Aug 2021, I completed my 5 years or rather the inning as the Vice Chancellor at DPSRU during which I got whole hearted support of students, staff members, faculty colleagues, my mentors, the members of General Council, Board of Governors, Finance Committee, Academic Council and Board of studies. I am grateful to Lt. Governor Shri. Anil Baijal Ji and Hon’ble Dy. Chief Minister Shri Manish Sisodia Ji for giving me second term as the Vice Chancellor.

The period May-June 2021 witnessed a terror of second wave of Covid-19, however, our university continued moving beyond pandemics. We signed MoU with All India Institute of Ayurveda and Rotary Club of Delhi Central to facilitate internship and placement in healthcare sector. We had inauguration of ‘Pediatric Physiotherapy Unit’ and ‘Community Health Facility’

in the University. Our Chairman, BoG, Prof. Dr. Shridhar Dwivedi published the book “कोरोना काल – चिकित्सक की कलमसे” with a large number of dignitaries from various parts of country and world present. Extramural research funding continues to flowing in Department of Science and Technology” – a project of Rs. 8.25 Cr. Our staff member Dr. Rajani Mathur got a project from ICMR. Many other faculties have submitted projects and are awaiting to get them from various agencies, like DST, DBT, ICMR, IKS-AICTE and ILSF.

Our faculty continues to publish papers and in this quarter, the university published about 40 research papers, 5 book chapters and filed 2 patents. As the resource person our faculty members delivered 41 lectures and 21 workshops/webinars / Guest Lectures were organized in the university.

The placement of students continued with improved packages. The academic session has come to an end. The university is now looking forward to mark into new phase with 10 new courses and increased intake of students by 340 seats. Obviously, this warrants acquiring additional land, building new academic blocks and re-organization of administration.

I am sure, that together, we shall make difference. We need to go “Beyond the Beyond” i.e. अपरंता in Sanskrit. I wish our students and faculty grow to an extent that I may have to request the sky

“आस्मां, जरा और ऊपर उठ जा, जिससे और ऊँची उड़ान भर सके”

जय हिन्द !!

Prof. Ramesh K Goyal
Vice-Chancellor, DPSRU



A Message from Registrar's Desk



While the past year will certainly be remembered for its devastating and unprecedented impacts around the world, it was gratifying that as an institution, we adopted new and creative strategies to guarantee a sustainable and successful future of our students. As we continue to develop recovery efforts from the pandemic, we are also in the process of defining and shaping DPSRU's vision for the next five years.

Many new UG/PG programmes are added from academic session 2021-22. Classrooms for Quality Improvement Programmes (QIP) are being developed.

The Examination block is being renovated for School of Allied Health Sciences. A building approved for World Class Skill Center is also under process. The infrastructure for the Center for Precision Medicine and Pharmacy (DCPMP) is also in Development Phase. The university also started Diploma in Yoga Sciences, with an aim to reach community in Delhi.

In the next few months, as we prepare for things to go back to some kind of new normal, the University Administration is supporting the Academic endeavors, in the interest of Students and Faculty.

Dr. O.P. Shukla
Registrar, DPSRU

"The way to get started is to quit talking and begin doing."

-Walt Disney

Delhi Pharmaceutical Sciences and Research University (DPSRU) signs MoU with Translational Health Science and Technology Institute (THSTI)

Delhi Pharmaceutical Sciences and Research University (DPSRU) recently signed MoU with Translational Health Science and Technology Institute (THSTI), an autonomous Institute of Dept. of Biotechnology, Ministry of Science and Technology, Govt of India. The three-fold purpose of signing this MoU is faculty and student exchange, research and collaborative academic activities. This MoU was signed by Professor (Dr) Ramesh K. Goyal, Vice Chancellor, DPSRU and Dr. Pramod Kumar Garg, Executive Director, Translational Health Science and Technology Institute. Professor (Dr) Ramesh K. Goyal briefed about the achievements of the University particularly during the COVID era.

Under the research exchange aspect, the faculty of DPSRU would involve joint projects with THSTI.

According to Dr. Mukesh Nandave, the chief coordinator for the MoU development, and Associate Professor of Pharmacology at DPSRU, “Faculty, research scientists, and students from DPSRU as well as THSTI will be engaged in joint research programs, projects to sharpen their research skills and practices”.

DPSRU has Centres of excellence of having ocular pharmacology laboratory, herbal drug technology, BioNest Centre, Clinical Research (BA/BE Center), Innovation and incubation Centre (DIIF) and Nanotechnology along with skill development courses in Beauty and Wellness, Sports Digitalization and Performance Management, Sports Fitness and Yoga Application. Furthermore, students of both the institutes would collaborate, with faculties from both, acting as co-supervisors. Joint research would also be carried out between the two institutes, funded by external agencies.



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DPSRU Signs MoU with All India Institute of Ayurveda || Focus on Faculty & Student Exchange, R&D Collaboration

Delhi Pharmaceutical Sciences and Research University (DPSRU) recently signed MoU with All India Institute of Ayurveda (AIIA), an autonomous institute under the Ministry of AYUSH, government of India. This MoU was signed by Professor Ramesh K. Goyal, Vice Chancellor, DPSRU, Dr. OP Shukla, Registrar, DPSRU and Professor Tanuja, Nesari, Director, All India Institute of Ayurveda.

According to Dr. Mukesh Nandave, the chief coordinator of the MoU development, and Associate Professor of Pharmacology at DPSRU, “both institutes will be benefitted to major extent in advancing the Ayurvedic therapies and practices to next level.”

The three-fold purpose of signing this MoU is faculty and student exchange, research and development, and collaborative academic activities.

Under the faculty exchange aspect, the faculty of DPSRU would take lectures at AIIA, wherein the understanding of Ayurveda through the pharmaceutical sciences would enlighten many students. DPSRU, which has added a new course on B. Pharm (Ayurveda) in the upcoming academic year 2021-2022 will take AIIA's assistance in formulating the course curriculum.

Research aspect will see DPSRU lending its know-how on modern Pharmacology and Pharmacognosy in study and formulations of Ayurvedic formulations and AYUSH drugs. Joint research would also be carried out between the two institutes, funded by external agencies

The event also witnessed the inauguration of the Integrated Clinical Unit focused on the evaluation of Ayurvedic drugs by modern sciences in patients.



Research means what you dont know but you are willing to find out.

-Charles F. Kettering

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DPSRU organized MOU Signing Ceremony with Rotary Club of Delhi (RCDC)

Delhi Pharmaceutical Sciences and Research University (DPSRU) signed a MoU with Rotary Club of Delhi (RCDC) on 13th July 2021. These MOUs are strategic in the direction of future aspirations for World Class Skill Centre-DPSRU to facilitate internship and placement of skilled individuals in the healthcare sector

Rotary club of Delhi Central, RI district 3011, had a very purposeful and productive day on 13th of July, 2021. President Dr. Harvinder Popli, Secretary Dr Lalitha, Treasurer RtnVinay Singhal, Chairperson for skill development RtnVivek Madan, Senior Pastpresidents and Chair for public relations, Rtn Rakesh Gupta, Rtn C. S. Gupta, Rtn Dr. Neelam Sethi , along with Rotaractors of DPSRU, welcomed our DG Anup Mittal and first lady Shruti Mittal, along with District officials, Rtn Sammer Gupta and RtnMahesh Trikka , AG RtnVinay Mittalto sign a memorandum of understanding with the skill development unit of the Govt of Delhi, situated in DPSR University, to facilitate proper placement for the skilled individuals after their training in yoga & meditation, Healthcare & beauty and wellness skills, in the August presence of the Hon'ble Vice Chancellor Prof. Ramesh K Goyal of the university, Dr. O.P. Shukla, Registrar, DPSRU, Prof. Geeta Aggarwal, Dean Academics, Prof. Rajiv K. Tonk, Dean Student affairs, Dr. Jaseela Majeed, Head School of Allied Health Sciences, Prof. Ajay Sharma, DPSRU and Dr. Madhu Gupta, Offg. COO, WCSC-DPSRU and Associate Professor, DPSRU. Chief Guest and Guests of Honour motivated the students present with their inspirational remarks.

This was followed by a short presentation of saving water." every drop counts". Jalhai to kalhai" initiative by Rtn CS Guptaji and the Plumbing association of India, to use simple tools to reduce water consumption. A release of a simple booklet with drawings to save water by various means was released and it would be distributed to the public to create awareness to save water in every way. Prof. Rajiv K. Tonk presented Vote of Thanks and whole program was coordinated By Dr. Madhu Gupta, Offg. COO, WCSC-DPSRU.

The weather was perfect for Tree Plantation in the premises of DPSR university campus, and tree

plantation was done by DPSRU campus and distribution of Immunobooster tablet. Our gratitude to all participants who came despite their busy professional commitments and the existing pandemic fears, to make this a success.



Inauguration of Pediatric Physiotherapy Unit

“Don't Just Treat & Teach Us, Play with Us”, with this motto School of Physiotherapy of Delhi Pharmaceutical Sciences & Research University has started the Pediatric Physiotherapy Unit to treat exclusively children with Cerebral Palsy, Developmental Delay, Autism, ADHD, Down Syndrome and other pediatric conditions that are likely to affect the baby and growing child and treat from 1-day-old babies to adolescents by providing Early intervention, Neurodevelopmental therapy, Sensory Integration therapy, Balance training and Motor planning and execution.

On 31.07.2021, the Pediatric Physiotherapy Unit was inaugurated by the Sh. Ajay Duttji, MLA AmbedkarNager Constituency, in the presence of the key dignitaries Dr. S.B. Deepak Kumar, Secretary (TTE), Prof Arun K Agarwal, President, DCPTOT, New Delhi, Prof. R.K. Goyal, Hon'ble Vice Chancellor, DPSRU, Dr. O.P. Shukla, Registrar, Deans Prof GeetaAgarwal and Prof. Rajiv K Tonk, Prof. P.K. Sahoo, Director, DIPSAR, Prof. HarvinderPopli, Director School of Pharmaceutical Sciences, Dr. Shilpa Jain, HoD School of Physiotherapy with the hope that through this initiative DPSRU would be able to bring at least small change in the lives of these children and spread happiness all around.

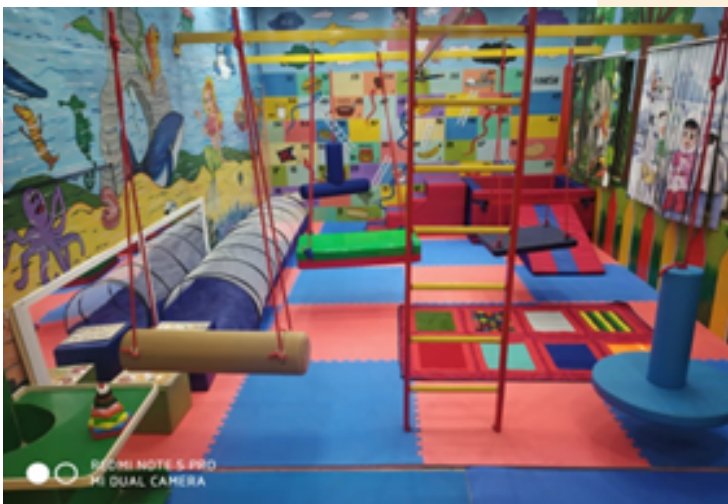


The unit will also offer tailor made programs for caregivers as well as parents as they may learn how to position and handle their child for day to day activities. The new pediatric unit is an addition to the already existing physiotherapy OPD.

Professor RK Goyal, Vice Chancellor, DPSRU, stressed on the fact that outcome based research has led to the noteworthy achievements of the physiotherapy unit that started in 2015 and has reached a patient count of 700 plus.

Dr. Shilpa Jain, Head of the School of Physiotherapy, DPSRU, “The kaleidoscopic unit is built keeping the interest of children in mind with colorful caricatures painted on the walls. It consists all the equipment targeting the amalgamation of habilitation along with amusement. This is a seed unit to our upcoming early intervention unit”.

“The unit highlights the role of physiotherapy from “Womb to Tomb”. It encourages the physical development in children to an optimal level by providing them a creative and enjoyable environment” said Dr. SapnaDhiman, Incharge of the Pediatric Unit.



Inauguration of Community Health Facility of School of Allied Health Sciences

In its contribution for the third wave of Covid-19 pandemic, Delhi Pharmaceutical Sciences and Research University inaugurated the Community Health Facility of School of Allied Health Sciences (SAHS) by former Union Minister of State for Culture and Tourism and Member of Parliament Shri K.J. Alphons on 29th June 2021. The Distress Management Collective India (DMCI) in association with India Canada Association of Kingston, a well-known voluntary service organisations donated five Oxygen Concentrators of 10 litres capacity as well as pulse oxymeters on this occasion. The team DMCI donated the masks made by the rehabilitated inmates of GB Road promoted by Kat-katha and DMCI to the Community health facility of the University.

The inaugural function was chaired by Prof. Ramesh K Goyal, Vice Chancellor DPSRU in the presence of Shri O.P Shukla, Registrar, Prof. Harvinder Popli, Director, SPS, Prof. P.K Sahoo, Director DIPSAR, Prof. Geeta Aggarwal, Dean Academics, Prof. Rajiv Tonk, Dean Students Welfare, Dr. Jaseela Majeed, Head SAHS, Dr. Priyanka Sonam, Medical Officer, Dr. Shilpa Jain, Head Physiotherapy and senior faculty of the University.

During the inaugural speech Shri K J Alphons congratulated the team to initiate the Community Health Facility as University being an integral part of the community and also being a Pharmacy and health related University has a major role to play towards the society at large. Prof. Goyal addressed the gathering that the Community Health facility in collaboration with likeminded organizations, will facilitate the responsibilities towards the society. Dr. Jaseela Majeed shared the community outreach activities of the School of Allied Health Sciences during the pandemic.

The inaugural function was attended by Shri. Babu Panicker, Delhi Coordinator and executive members of DMCI Dr. K C George, Dr. Sakhi John, Shri. Jobi Joseph, Shri Joseph Koovachal and Shri. Sudheernath acknowledged the student volunteers Ms. Chetna Katuria (MHM), Ms. Pooja Rathore (MBA) and Ms. Amena Sherwani (MPH) who are working for Praan Vayu Project which saved the lives of hundreds of people during the second wave of pandemic, with certificates of appreciation and momentos.

The event witnessed handing over of 5 Oxygen concentrators to Prof. Ramesh Goyal by the Shri. K J Alphons, the Chief Guest of the function. The pulse

oxymeters were handed over to Dr. Priyanka Sonam, medical officer of University by Dr. KC George of DMCI. Dr. Sakhi John shared the story behind the making of cloth mask by the rehabilitated inmates of GB Road and handed over 250 masks to Dr. Puneeta Ajmera, Associate Professor of Dept of Public Health. The facility would also cater the health related needs of the University and the neighbouring communities in preparation of a third wave of pandemic. The event was organized by Dr. Jaseela Majeed along with Faculty of School of Allied Health Sciences.



CENTRE FOR MEDITATION AND YOGA SCIENCES

Centre for Meditation and Yoga Sciences was established in March 2021 and started in different Govt. Schools of Delhi where initially more than 400 candidates were enrolled. Again the admissions were opened where more than 200 candidates were enrolled for the second Batch. The whole project was launched by Sh. Arvind Kejriwal, CM, NCTD with Sh. Manish Sisodia, Dy. CM, GNCTD on the eve of International Yoga Day 2021.

21 Centres have been identified for running the evening classes of Meditation and Yoga Sciences where the candidates are being continuously assessed for theory as well as practical examination. These classes are being held so as to spread Yoga in the whole of Delhi and to make it reach every single house of Delhi. The students actively participate in the classes.

Hon'ble VC DPSRU himself took the online lecture on " The effects of Yoga and Meditation on Endocrine, Cardiovascular System and Nervous System", on 18th August 2021, where more than 300 participants not only actively but interactively participated in the lecture followed by a question

and answer series where VC DPSRU was requested by the participants to have more lecture series in continuation. Presently 30 Yoga Teachers are working day and night for preparing Yoga instructors so that soon the outreach programs will be started for the students. This revolutionary step will definitely reach the fitness awareness of all the public of Delhi.

Examination of the 1st Batch was held from 7th September 2021 to 15th September where 90% of students have passed the examination with flying colors.



Book Release – Prof (Dr.) Shridhar Dwivedi

A book entitled कोरोना काल – चिकित्सक की कलमसे, authored by Prof. (Dr.) Shridhar Dwivedi, was recently released at the premises of Delhi Pharmaceutical Sciences and Research University in the virtual presence of key dignitaries. The Chief Guest for the ceremony was Prof. Vijay Kumar Shukla, Vice Chancellor, Banaras Hindu University. The occasion was graced by the Guests of Honour Prof. Ramesh Kumar Goyal, Vice Chancellor, DPSRU, Professor V.M. Katoch, Former Director-General, ICMR and secretary, GOI, and Professor S. Chooramani Gopal, President, NAMS, in the presence of special guests Dr. O.P. Shukla, Registrar, DPSRU, Prof (Dr.) Geeta Aggarwal, Dean - Academics, DPSRU, Prof. D.K Gupta, Hon. Sec. NAMS, Prof. Ankur Kalra, Harvard University, USA, Prof. P.C. Singh, USA, Prof. Anil Kumar Tripathi, IIT BHU, Prof. Anupam Prakash, LHMS, Dr. S. Rajpal, USA, Dr. Arun Narang, USA, and Dr. Sunil Mishra. Prof (Dr.) Geeta Aggarwal, Dean - Academics, DPSRU was the Coordinator of this event.



PROJECTS SANCTIONED

DPSRU- Center for Advanced Formulation Technology (DPSRU-CAFT)

Prof. Ramesh K. Goyal, Prof. Geeta Aggarwal, Dr. Gaurav K. Jain, Prof. Deepti Pandita

Grant: Rs. 500.00 Lakhs

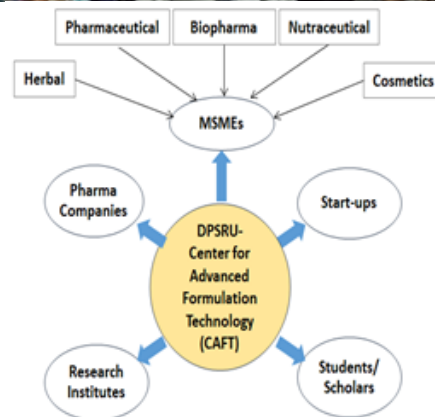
Agency: Department of Scientific and Industrial Research (DSIR), DST, Ministry of Science and Technology, Govt. of India

Sanctioned Project in common research and technology development hubs (CRTDH) under building industrial research & development and common research facilities (BIRD-crf) scheme for creation of common research and technology development hubs (CRTDHs) in sector "Affordable Health" in August 2021.

AIM: Establishment of National State-of-Art facility "DPSRU-CAFT"

Objectives:

- Establishment of state-of-art product development facility, accessible by MSMEs, start-ups, research institutes, universities and researchers.
- Creating one-stop solution for translation of affordable healthcare products.
- Accelerating R&D, Joint development & commercialization of healthcare formulations.
- Skill development & training of students and faculty in the field of formulation development and evaluation.



• Dr Rajani Mathur

To develop rodent model of breast cancer that investigates the combined carcinogenic potential of 7, 12-dimethylbenz(a)anthracene, mobile phone radiations and fructose-rich-diet in developing females.

Sanctioned under extramural program of ICMR.

The present study proposes to establish the combined carcinogenic effect of exposure to environmental toxins, mobile phone radiations and fructose-rich diet during childhood-adolescence stage of females. It is proposed to establish the face, predictive and target validity of the rodent model that investigates the combined carcinogenic potential of environmental toxins, mobile phone radiations and fructose-rich-diet in developing females.

SUBMITTED PROJECTS

- **Ramesh K. Goyal, Madhu Gupta, A. Najeerul Ameen, Manish A. Rachchh, Mona C Bhalani, Elena Diskayeva, Anna Efremenko, Bazikov Igor Alexandrovich.**

Development and clinical trials of the organo-silicon niosomes based topical formulation of regenerator and antimicrobial peptides for treatment of antibiotic resistant wounds including diabetic foot ulcer.

India Russia Joint Research Call 2021.

Amount : 1,76,61,200/-Rs.

- **Prof Richa H Rai (PI), Dr Gaurav Jain (Co-PI), Dr. Syed Mohd Abbas Zaidi (Co-PI)**

Development of Improved formulation of Unani Medicine and evaluation in animal models.

Agency: Indian Council of Medical Research (ICMR)

- **Dr Sushma Talegaonkar**

Development of a diagnostic and a prognostic index (including inflammatory and nutritional biomarkers) for infections in children with Severe Acute Malnutrition

- **Dr Anoop Kumar**

Submitted a letter of Intent (LOI) on Venous thromboembolism (VTE)

Agency: Indian Council of Medical Research (ICMR) under Basic Medical sciences.

- **Dr Sheetal Kalra (PI), Prof Richa H Rai (Co PI), Dr Varsha (Co-PI)**
CardioPulmonary and Stress responses to MiBoP via telerehab in Post Covid era: A RCT
Agency: Indian Council of Medical Research (ICMR)
- **Dr Puneeta Ajmera (PI), Dr Jaseela Majeed (Co-PI)**
EDUCOVID: A COVID-19 Surveillance Model for Schools and Colleges
Amount: Rs 941158
Agency: Indian Council of Medical Research (ICMR)

- **Dr Luxita Sharma (PI), Dr Puneeta Ajmera (Co-PI)**
Development of NUTRI-COVID POWDER (A nutritional supplement) and testing its efficacy on COVID recovered patients
Amount: Rs. 1980000
Agency: Ignite Life Science Foundation (ILSF)
- **Dr Priti Jain (PI)**
A Field Survey of Achanakmar-Amarkantak Biosphere Reserve for the Identification of Anti-bacterial, Anti-fungal and Anti-viral Activity of Ethnomedicines and Development of Artificial Intelligence Based Database"
Agency: IKS-AICTE.

BOOKS / Book Chapters

- **Radha Rani, Neha Raina, Azmi Khan, Manupriya Chaudhari, Madhu Gupta.**
Book Chapter: *"Liposomal based Pharmaceutical formulations: Current Landscape, limitation sand Technologies for industrial scale up."*
In: Micro and Nnaotechnologies Based Product Development.
ISBN: 9780367488451.
Published on: September 7, 2021
Publisher: CRC Press. 2021. 326.
- **Dr. Priti Jain**
Book chapter: *"Tocopherol and Tocotrienol: the essential Vitamin E"* Accepted for publication in book: Bioactive food components activity in mechanistic approach.
Publisher: Elsevier.

- **Namrata, G., Kulkarni, A., Dutta, D., Talegaonkar, S.**
Book Chapter: *"Pharmacokinetics of Long-Circulating Inorganic Nanoparticulate Drug Delivery Systems"*
In Pharmacokinetics and pharmacodynamics of nano particulate drug delivery systems Patel J and Pathak Y (Editors)
Publisher: Springer Nature, 2021
- **Kaur A. Sharma S, Noor A, Dang S, Talegaonkar S**
Book Chapter: *"Potential targeting sites in brain and brain tumors"*
In Nano carriers For Drug Targeting to Brain Tumors. Kumar L and Pathak, YV (Editors).
Publisher: Elsevier, USA, 2021

Publications (Published / Accpeted)

- **Vashi R, Patel BM, Goyal RK.** Keeping abreast about Ashwagandha in breast cancer. J. Ethnopharmacol 2021: 269 ; 113759.
- **Goyal RK, Apparsundaram.** Managing Covid as virus induced cardiovascular pulmonary disease with herbal medicine. Cardiology Today: 35(2); 43-46.
- **Majeed J, Chauhan C, Goyal RK.** Fight against COVID-19: Comparative Analysis of USA and India. Indo Global Journal of Pharmaceutical Sciences (IGJPS). 2021 (Under review) Manuscript Number: IGJPS-2020-MSA-0752.
- **Majeed J, Chauhan C, Goyal R K.** Tourism, A Causative Factor responsible for rampant increase of corona cases in the World. Journal of Travel Research. 2021. (Under review)
- **Goyal RK.** Assessment of cross-country variations of Covid-19 in terms of case fatality rates and usage of complementary and alternative emedicine. J Compl. Medi. 2021. (under review).

- **Saini C, Miglani A, Mysumi P, Aggarwal G.** Review of form 483s and warning letters to pharmaceutical manufacturers issued by USFDA. Journal of Generic Medicine. June 2021.
- **Miglani A, Saini C, Musyuni P, Aggarwal G.** A review and analysis of product recall for pharmaceutical drug product. Journal of Generic Medicines. July 2021
- **Singla P, Musyuni P, Aggarwal G, Singh H.** Precision Medicine an Emerging Paradigm for Improved Diagnosis and Safe Therapy in Pediatric Oncology. Cureus. 2021: 13(7): e16489
- **Musyuni P, Kumar D, Pandita D, Jain GK, Aggarwal G.** Nutraceuticals for osteoarthritis. Recent patents on Food, Nutrition and Agriculture. (Accepted) Sept. 2021
- **Aggarwal G and Tiwary N.** Compassionate drugs: A reason of hope and smile. Double helical July 2021.

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- **Rai RH, Popli H**, Ganguly P, Kesharwani P. Technology Enabled Teaching and Online Learning in North India during Lockdown in Pandemic COVID 19. *International Journal of Science and Research (IJSR)*. 2021 Jun 3; 10(6):84 – 87
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- Mishra A, Nair N, Tripathi V, Pathak Y, Majeed J. History, Diagnosis, and Treatment of Coronavirus Disease 2019 (COVID-19). *Corona viruses* (2021), Bentham Science. (Accepted)
- **Jain S, Goyal RK, Ajmera P, Aggarwal G, Dhiman S**. Development of a Valid and Reliable Tool to Measure Skeletal Muscle Spasm in Myofascial Pain Syndrome. *Psychology and Education Journal*. 2021; 58 (5):1060-1070.
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- Jain V, **Ajmera P**. DEMATEL method for evaluating FMS variables in the Indian Manufacturing Industry. *Int J Process Management and Benchmarking*, Inderscience Publishers 11(6).
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- Jain V, **Ajmera P**. Modelling the factors affecting the QOL in the employees of manufacturing organizations in India using ISM approach. *Int. J. of Process Management and Benchmarking*. Inderscience Publishers (Accepted)
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Faculty as Resource Persons

Prof. Ramesh K Goyal

- Date: 14.05.2021
Delivered a talk on: Pharmacology & Therapeutics Principles of Managing COVID-19.
Event: Double Helical Webinar, New Delhi.
- Date: 25.05.2021
Delivered a talk on: Pharmacology & Therapeutics Principles of Managing COVID-19.
At: NAMS New Delhi.
- Date: 05.06.2021
Delivered a talk on: Opportunities and Challenges for Pharmacists as frontline Professionals to Fight COVID 19 Pandemic: Understanding Clinical Pharmacy & Therapeutics at Almora.
- Date: 10.06.2021
Delivered a talk on: Green Chemistry & Pharmaceuticals during the COVID-19 Era.
Event: Webinar at SVCE, Chennai
- Date: 21.06.2021
Delivered a talk on: Science of Yoga for health and wellness after COVID-19. Event: Yoga Day Celebration, IIMHR, Jaipur
- Date: 28.06.2021
Delivered a talk on: Novel Formulation Development by Drug Engineering: Success Story at University.
Event: AICTE Sponsored FDP, New Delhi
- Date: 09.07.2021
Delivered a talk on: Development of CoroQuil Zn from DPSRU, at AIIA, New Delhi.
- Date: 24.07.2021
Delivered a distinguished Lecture on: Science of Science Management in Drug Discovery & Development.
At: L. M. College of Pharmacy, Ahmedabad
- Date: 27.08.2021
Delivered a talk on: Success Story for Drug for Managing COVID-19.
Event: Insulin Day Celebration.
- Date: 22.08.2021
Delivered a talk on: Healthcare Entrepreneurship: Lessons from COVID-19.
Event: PHD-Innovation Webinar.
- Date: 26.08.2021
Delivered a talk on: Explored from Delhi Aravalli Biodiversity: Medicine for the treatment of COVID 19
Event: Ethnopharmacology Conference, Pune.

Prof. Geeta Aggarwal

- Date: 07.07.2021
Invited speaker for for topic entitled 'In vitro models for drug development and formulation development
Event: Pharmaceutical workshop series Research and Technology Trends in Chitkara University.
- Date: 09.08.2021
Expert speaker for topic entitled 'Opportunities in Formulation Development'
Event: Pharma Workshop Series TPDP 2021 being organized by Chitkara College of Pharmacy.

Prof. Richa H Rai

- Date: 23.05.2021
Delivered webinar on Recovering from COVID
Event: 'You event doctor' organized by Dr. Dhruv Dev

Dr Sushama Talegaonkar

- Date: June 7-12, 2021
Delivered a talk on Functionalized Nanoconstruct for effective treatment of Rheumatoid Arthritis.
Event: Online AICTE Sponsored Short Term Training Programme (STTP) on "Future trends in research methodology for drug discovery & development" organized by Columbia Institute of Pharmacy, Raipur, Chhattisgarh, India.
- Date: 30.06.2021
Chairperson, AICTE ATAL FDP on Drug Engineering
At: DIPSAR, DPSRU
- Date: July 1-3, 2021
Chairperson, Technical Session ISFCO-2021
Event: Online International Conference on "Recent Advances in Pharmaceutical Sciences: Vision 2030" in collaboration with Society of Pharmaceutical Education and Research (SPER) and Pharmatutor
- Date: 10.07.21, 11.07.2021 and 17.07.2021
Member, Scientific committee (north zone) DRPI 2021 – Online
Event: A scientific competition organized by SPDS in association with AAPS and APTI Semi-finals and All-India Finals

Dr Rajani Mathur

- Date: June 2021
Organising Committee member & Chairperson
Event: in AICTE Training & Learning (ATAL) FDP on Drug Engineering

Dr Madhu Gupta

- Date: 09 – 10.08.2021
Delivered a lecture on “Biopolymers: A Nature’s tool for wound healing therapy.”
- Date: 21.06.2021
Delivered a lecture as a speaker on “Polymer-Lipid Hybrid Nanovehicles Designed for Synergistic Drug Delivery for Solid Tumor Management”
Event: Webinar on Pharmaceutics and Drug Discovery Longdom Conferences held as a Virtual Conference

Dr Jaseela Majeed

- Date: 29.06.2021
Participated as Chairperson for the expert Lecture session by Prof. Harvinder Popli.
Event: AICTE Training and Learning (ATAL) 5 days Online Faculty Development Program.

Dr Shilpa Jain

- Date: 05 – 07.06.2021
Presented paper on “Efficacy of Transdermal Drug Delivery of Suucynylcholine on Myofascial Pain Syndrome: Pilot Study”,
Event: Virtual International Conference on "Recent Advances and Challenges in Sports Rehabilitation", Organized by Faculty of Allied Health Sciences, Manav Rachna International Institute of Research and Studies.

Dr Sheetal Kalra

- Date: 11.07.2021
Scientific Committee Co-ordinator for PhysioNexGen-2
Event: National Physiotherapy e conference, Organized by Mathura Physiocon
- Date: 08.08.2021
Panelist in Telerehabilitation: Does it address the gap in Sports Injuries?
Event: Organized by Indian Association of Physiotherapy
- Date: 08-09.09.2021
Chaired Session on Delivery of Tele-therapy services
Event: National Web Conference, organized by: National Institute for Empowerment of persons with Rehabilitation Council of India
- Date: 18.09.2021
Moderated Webinar on Kinesiotaping in treatment and prevention of Sports Injuries
Event: Webinar organized by Indian Association of Physiotherapy

Dr Anoop Kumar

- Date: 26.08.2021
Conducted a webinar on “Patient centric drug information service for reducing medication errors using Lexicomp” in collaboration with Wolters Kluwer.
- Date: 02 – 07.08.2021
Delivered a lecturer on “Computer-Aided Drug Design and Drug Repurposing” under the Quality Improvement Programme (QIP)

Event: AICTE sponsored online short-term training course at Jadavpur University, Kolkata, India.

- Date: 01 – 10.06.2021
Delivered an expert talk on “Pharmacoeconomicmodelling”
Event: Pharmaceutical Workshop Series held online at Chitkara University, Punjab, India.
- Date: 24 – 29.05.2021
Delivered a lecturer on “Meta-analysis of Nanomedicines”
Event: AICTE sponsored Quality Improvement Programme (Q.I.P) held online at Birla Institute of Technology (B.I.T.), Mesra, Ranchi, India.
- Date: 21 – 22.05.2021
Delivered an expert talk on “Disproportionality analysis (DA) in Pharmacovigilance”
Event: 2 days National Conference on Pharmacovigilance and Drug Safety: Recent Developments and Future Perspectives organized online by ISF College of Pharmacy, Moga, Punjab.

Dr Surajpal Verma

- Date: 26.05.2021
Topic: Applications of gc-ms/ms on material Characterization
Event: AICTE Sponsored STTP Phase-IV held at COP-BELA
- Date: 26.08.2021
Topic: Theory and Applications of HPLC with RID and PDA detectors
Event: Online Short-Term Course on Material Characterization: Analysis and Interpretation at LPU, Punjab.

Dr Sapna Dhiman

- Date: 24.08.2021
Delivered online lecture on “Exercises to Improve Trunk Control in Children with Cerebral Palsy- A Motor Control Perspective” at Composite Regional Centre for Skill Development, Rehabilitation and Empowerment of Persons with Disabilities - Lucknow.
- Date: 24 – 25.07.2021
Special guest at Banarsidas Chandiwala Institute of Physiotherapy on
Event: e-conference on "Paradigm Shift in Care of CP Children".

Dr. Varsha Chorsiya

- Date: 5 – 7.06.2021
Chairperson and Judge – Paper and Poster presentation
Event: International Conference on Recent Advances and Challenges in Sports Rehabilitation, organized by Manav Rachna International Institute of Research and Studies.

AWARDS & ACHIEVEMENTS

Faculty

Dr Jaseela Majeed

- 18.08.2021
Collaborated with National Institute of Public Cooperation and Child Development, Bengaluru under the MoWCD, GOI for research projects and provided technical support and extension activities related to Child Guidance and Counseling.
- 29.06.2021: Appreciation Award
In recognition of diligent efforts and leadership exhibited for the success of Praan Vaayu Project of DMCI (renowned NGO) and being a part of the research team for Impact Assessment of Praan Vaayu Oxygen concentrators in Delhi during the second wave of pandemic.



Dr. Sheetal Kalra

- Awarded with IGHM Custodian of Humanity by IGHM



Dr Sapna Dhiman

- Date: 30-31.07.2021
1st position for Scientific Paper presentation in Professional category at International Physiotherapy E-Conference "Evolving Physiotherapy Practices" organized by Faculty of Physiotherapy, SGT university.

Students

- **Mr. Manish Soni**, Ph.D. scholar awarded "Best Poster Award" in two days National Conference on Pharmacovigilance and Drug Safety: Recent Developments and Future Perspectives organized by ISF College of Pharmacy, Moga, Punjab held online during 21-22nd May 2021.
- **Ms. Chetna Kathuria** (MHM), **Pooja Rathore** (MBA), **Amena Sherwani** recognized for the Extensive Volunteering Activities for Project PRAANVAYU of Distress Management Collective India (DMCI) for a period from May 10th -20th June 2021



Teachers open the door, but you must enter by yourself"

– Chinese Proverb

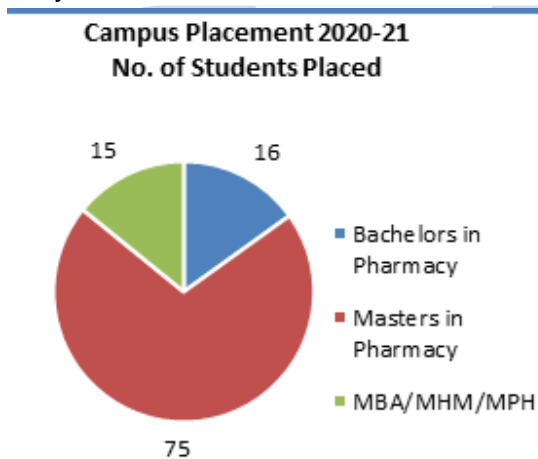
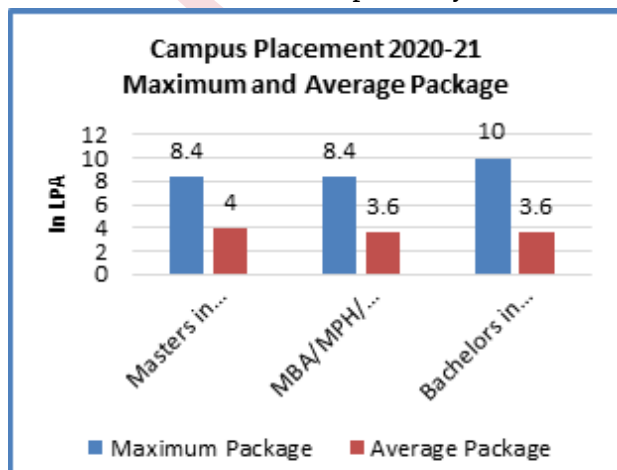
- **Kritika Kaushik & Sundus Nishat**, MHM – IVth Sem students, SAHS, were given an opportunity to do their internship at the prestigious B L Kapoor Super Specialty Hospital, New Delhi, where they worked on JCI (Joint Commission International) Re-accreditation and IPSG (International Patient Safety Goals). Through their contributions, our students not only helped the Hospital in successful re-accreditation by JCI for its high levels of quality, care and safety but were also awarded with a certificate of recognition by Dr Suhas Parnami, Medical Superintendent of B.L. Kapoor Super-Specialty Hospital. Appreciating the student's hard work and achievements, the Hon'ble Vice Chancellor, Prof. Ramesh K Goyal, also rewarded the students.



PLACEMENT 2020-21

Placements for our class of 2021 ended recently in the university. The offers were secured from 30+ companies which contacted the university while few others invited students to apply directly for open positions. Students were offered lucrative offers and roles in the areas of research, pharmacovigilance, analytics, consulting, ed-tech, marketing, business consulting, and HRM in addition to the core pharmacist profiles. Be it the R&D giant Dr Reddy's, Novartis or Fresenius Kabi or consulting firms like ZS Associates, IQVIA, Innodata, APCER or WNS, each and every company that visited the college has been astounded by the talent we offer.

This year, we also observed offers coming in from non-technical organizations and we warmly welcomed them. The companies offered a package ranging from 5.5 to 8.5 lacs for Masters Courses and 3.5 to 6.5 lacs for Bachelors courses which has pointedly increased from last academic year.



15th August 2021 - 75th Independence Day Celebrations

On the 'Azadi ka Amrit Mahotsav': Independence day 2021, the security personnel conducted the Honourable Vice Chancellor Prof Ramesh K Goyal to the saluting base where a troop presented general salute to the VC under the leadership of Mr Krishan Kumar, Security in-charge and EPABX Operator, DPSRU (Ex-Army). Honourable Vice Chancellor hoisted the National flag, followed by the salute and parade by the guard contingent.

The hoisting of the tricolour was synchronized with the National Anthem after which Honourable VC sir delivered the customary address. Sir, welcomed the Chief Guest for the day Mr Partha Sarathy Krishnan and all esteemed laureates as well as the pool of faculty members and staff, and their families and students present at the ceremony. He expressed his visionary thoughts and also appreciated the efforts of all students, faculty and staff for having toiled hard even during the difficult pandemic times, and not only that but for having excelled and for having brought laurels to the university in different capacity. He also communicated despite of all the challenges the career prospects of the students were not affected, but have shown better placements in the preceding academic session. This was followed by the motivating words from Mr Partha Sarathy Krishnan, who reiterated that it was the right leader, the Honourable Vice Chancellor, who has paved the way to success for the University and also envisioned that DPSRU would soon be one of the best Universities on the World Map. Honourable VC informed that how this modest soul, Mr Partha Sarathy Krishnan, a wizard in numerous domains including Pharmaceuticals, AI and Machine learning and Big Data, Cyber Security and Health care systems, was a strong pillar of support and constantly extending his expertise for the growth of DPSRU.

We also heard Prof P.K Sahoo, Director DIPSAR speak his heart about the importance of our 'Matru-Bhasha' in context with the NEP 2020 and the optimism in Prof Geeta Aggarwal, Dean Academic's brief perspective on Unity.

This was followed by the felicitation of the faculty members, staff and students. The dignitaries on the stages as well as Honourable VC expressed their pride as they honoured Dr Gaurav Jain, Associate Professor, was felicitated for having won the prestigious 'IPA-ACG Scitech Innovation Award and 50k cash prize' for 'Innovation in Solid Dosage Development'. Dr Prabodh Chander Sharma, Associate Professor, was presented with the memento-certificate for his publication in International Journal of high repute on 'Microbial toxins as a therapy against cancer cells' and Dr Rajani Mathur, Assistant Professor, for having sought an ICMR grant of more than 55 Lakhs for her proposed work 'on protective role of medicinal plants against induced breast cancer in rodents'.

Dr Sushma Talegaonkar, Associate Professor, was acknowledged for sanction of a humongous grant, for 'development of functionalised dual loaded herbal non-collodial carrier,' by DST, SERB, Govt of India. The staff Krishan Kumar and Shankar Singh were honoured by presenting medals as well as certificate to acknowledge their 'excellence in performing their duties' towards the organisation.

The students who scored AIR 1 to 15 in the GPAT exam, a national level entrance exam for qualification to post graduate program in Pharma, were felicitated by the esteemed Chief Guest and Honourable VC sir. Mr Gourav Gupta (AIR 1), Mr Abhishek Gaba (AIR 4), Ms Ritika Srivastava (AIR 11), Mr Shashwat (AIR 15), Mr Vishal Shokeen (Gold medalist in Pre-national shooting championship and 4th rank in Junior National shooting championship), Ms Shweta Phd Scholar under Dr Meenakshi Chauhan, for having brought laurels to the University through their excellence in academia, sports as well as industry.

Honourable VC sir, was kind enough to acknowledge the behind-the-screen contributions by Dean Student Welfare Prof Rajiv K Tonk, identifying him as the 'Crusader' behind all the extra-curricular and Co-Curricular activities at the University. Honourable VC sir, also felicitated Prof Richa H Rai for her relentless contributions in all the University Extra-curricular and co-curricular activities, efficiently bearing the multifaceted role a teacher should execute in a teaching institution.

As the Faculty, staff and their wards performed, a sense of patriotism filled the air. Ms Lakshita and Ms Harshali danced to the folk music and Mr Afin Subu as well as Ms Anshika- Mr Akshat demonstrated their love for the nation through their commendable dance performance. Ms Fia Subu paid homage to the country as she strummed guitar and sung in her euphonious voice followed by melodious performances from Master Jayant Pareek, Dr Gaurav Jain his Wife Ms Vaidehi-son Mr Garv and also by Prof Richa H Rai. It was mystifying to observe the confidence with which young Ms Raika and Mr Vaibhav expressed their thoughts for the nation. Ramjilal Senior Office Assistant was also acknowledged and felicitated by Honourable VC sir for having stood by in all activities. The celebration, conducted by team effort of Prof Rajiv K Tonk, Mr Krishan Kumar, Prof Richa Rai, the anchors of the day Ms Kanishka- Ms Sheron (BPT 8thsem), Ms Mansi Pandey- Ms Anusha Anand (BPT 4thsem) with the lasting support of the office staff, Security personnel, horticulture and housekeeping staff of DPSRU was appreciated by all.

It was concluded by Prof Rajiv K Tonk, Dean Student Welfare's unequivocal poetry demonstrating patriotism.

DELHI BIODIVERSITY PROJECT MEETING

Delhi Pharmaceutical Sciences and Research University organized an event on "Strengthening and Capacity building for herbal Pharmaceutical manufacturing units" jointly with Delhi Biodiversity Society, Delhi Development Authority on 16th July, 2021. The meeting was chaired by Prof. Ramesh Goyal, Hon'ble Vice Chancellor DPSRU and Prof. C.R Babu, Ex Pro Vice Chancellor Delhi University & Professor Emeritus at the Centre for Management of Degraded Ecosystems (CEMDE) Delhi University.

The meeting began with University song followed by the welcome address by Prof. R.K Goyal Hon'ble Vice-Chancellor of the University. The progress of the Ayurvedic formulation for COVID-19, Coroquil-Zn developed by DPSRU was briefed by Dr. Jaseela Majeed, Head of School of Allied Health Sciences. Further research plans for Coroquil-Zn and its effectiveness on Post Covid effects were discussed by Prof. C.R. patil, Dr. Ajit K. Thakur, Dr. Mahaveer Dhobi and Dr. Kalicharan. The Ph.D and M. Pharm Scholars who are working in this direction presented their research work and had a brainstorming session with the participants.

Dr. Abhishek Dadhich presented a proposal to develop a long-term project on strengthening and capacity Building for Herbal Pharmaceutical Manufacturing Units. The proposed project will make Delhi Biodiversity Foundation-DDA (DBF-DDA) and Delhi Pharmaceutical Sciences and Research University (DPSRU) a hub to fulfill the demand supply gap for the herbal active pharmaceutical ingredients and support in the development of herbal formulation for commercialization. He also added that that once the project is implemented, it will be a unique venture in the promotion of the traditional medicines in India which also promote self-reliant perspective among

herbal pharma industry with the production of effective, safe, and quality herbal formulations. Prof. C.R Babu Sir discussed the feasibility of the proposal, also shared his vast research experience in the field of herbal drugs. The programme ended with vote of thanks by Dr. Mahaveer Dhobi where he gave his statement of gratitude towards all the members present in the meeting. The meeting was attended by the faculty and students and imparted insights, thoughts and suggestions on in-progress and upcoming research proposals to combat COVID-19. The programme was coordinated by Dr. Jaseela Majeed and Dr. Mahaveer Dhobi.



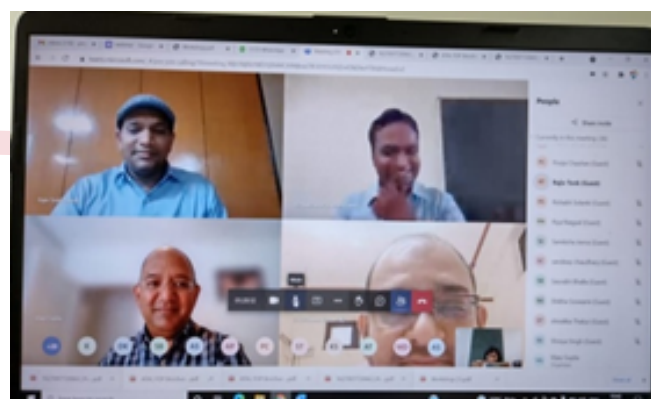
"If you set your goals ridiculously high and it's a failure, you will fail above everyone else's success."

-James Cameron

Other Academic and Co-curricular Events

One-day webinar on Mass Spectrometry and Liquid Chromatographic Separation

The Department of Pharmaceutical Chemistry, DPSRU organized a one-day webinar on mass spectrometry and liquid chromatographic separation on 23.07.2021. Dr. Vijay Gupta was invited as the guest speaker from ADVION X INTERCHEIM which is a Pharmaceutical company having worldwide mass dealings of liquid flow reactors, flow synthesis systems, mass spectrometers, and chip-based infusions. The webinar started with a brief introduction about the program by Dr. Priti Jain followed by the University "Kulgeet", after which all the participants were addressed with the welcome message by Dr. Kalicharan Sharma. The Hon'ble Vice-Chancellor, Prof Ramesh K. Goyal graced the occasion with his valuable presence and also addressed the participants and the faculty members present in the webinar with his ideas and thoughts proceeding by which Dr. Vijay Gupta enlightened us all with the new techniques and advancements in the mass spectrometry and liquid chromatography. He presented very descriptive illustrations about the functioning and advantages of all the new technologies. It was indeed a very informative and knowledgeable session with him. The program became more informative as he also shared his practical experience about the same. The session was further proceeded by the open house session which was coordinated by Dr. Prabodh Chander Sharma. All the participants enthusiastically took part in the questionnaire session. Summing up with Dr. Rajiv Tonk expressed his gratitude and the webinar was further concluded with the national anthem. The webinar was overall the successful event with the guidance and utmost support of the Hon'ble Vice-Chancellor, Prof Ramesh K Goyal; Prof O P Shukla, Registrar, DPSRU; Prof Harvinder Popli, Director, DPSRU; Prof Rajiv Tonk, Dean, Students welfare; Prof Geeta Aggarwal, Dean, Academics and the appreciable efforts of the organizing committee.

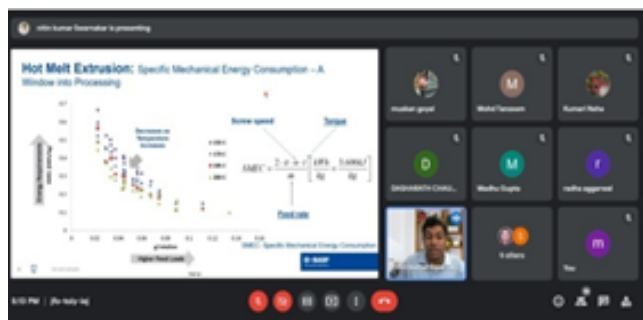


Webinar on Drug Solubilization Using Hot Melt Extrusion

The Department of Pharmaceutics, DPSRU organized a webinar on Drug Solubilization using Hot Melt Extrusion on 20.08.2021. Dr. Nitin Swarnakar who is Scientist III Global Technical Marketing, Pharma Solution was invited as a guest speaker. The webinar started with the brief introduction about the program and all the participants were addressed with the welcome message by Dr. Madhu Gupta. The Director of SPS, Dr. Harvinder Popli graced the occasion with her valuable presence and also addressed the participants and the faculty members with her ideas and thoughts about Drug Solubilization. Dr. Nitin envisioned us about Macrotrends in Solubilization, Amorphous Solid Dispersion, Selection of Excipients, Hot Melt Extrusion etc. It was an informative and knowledgeable session with him. All the participants enthusiastically took part in the questionnaire session and around more than 50 participants took part into this webinar.

The program became more interesting when he shared his experience with BASE, TesoRxPharma (Pomona, California). He has 4 US Patents and more than 30 Publications. In the last Dr. Madhu Gupta expressed her gratitude and thanked Dr. Nitin Swarnakar for his valuable time and for this wonderful talk.

The webinar was overall a successful event with the guidance and support of the Hon'ble Vice Chancellor Prof. Ramesh K. Goyal, Prof O.P. Shukla Registrar, DPSRU, Prof Harvinder Popli Director SPS, DPSRU, Prof Geeta Aggarwal, Dean Academics, Prof. Rajiv K. Tonk Dean Student Affairs, Dr. Sushma Talegaonkar, Associate Prof, Dr. Minakshi Garg, Associate Prof, Dr. Swaninathan, Assistant Professor, Dr. Suraj Pal Verma Assistant Professor, Dr. Vijendra Assistant Professor, Dr. Anoop Assistant Professor and the appreciable efforts of the organizing committee.



Brain Storming Session on DPSRU-NIB Certificate Program on Quality Control of Biopharmaceuticals

National Institute of Biologicals (NIB), an apex autonomous Institute under Ministry of Health & Family Welfare and DPSRU joined hands to initiate a certificate Program on Quality Control of BioPharmaceuticals.

The Scientific team headed by Dr. Anup Anvikar, Director NIB, visited DPSRU on Friday 13.08.2021. The meeting was chaired by Prof. Ramesh K Goyal Vice Chancellor DPSRU and Dr, Anup Anvikar, Director NIB. The delegates were welcomed by Prof. Geeta Aggarwal, Dean Academics DPSRU and gave a brief introduction about the University. Brain Storming Session was held on the proposed DPSRU-NIB Certificate Program on Quality Control of Biopharmaceuticals. Detailed discussions on the proposed syllabus for the certificate course, duration, pedagogy, logistics & examination between both the organizations. Prof. Goyal briefed the plans for further collaborations. Address was given by

Dr. AnupAnvikar Chief guest of the program, who emphasized on providing necessary practical skills and increase the employability of the proposed program. It was decided by Vice Chancellor DPSRU and Director NIB to proceed further with similar joint programmes in near future. The Scientific team from DPSRU included Prof. Geeta Aggarwal, Dr. Saurabh Dahiya, Dr. Jaseela Majeed, Dr. Madhu Gupta and Dr. Surajpal Verma. The Director NIB has constituted the team of Scientists, Dr. Harish Chander, Dr. Gauri Misra, Dr. Sudha V Gopinath,

Dr. Subhash Chand. Both the Scientific teams actively participated in the discussions. Apart from the team, the meeting was attended by Dr. J.P. Prasad, Deputy Director (QC) NIB, Prof. P K Sahoo, Director DIPSAR, Prof. Harvinder Popli Director SPS, DPSRU, Prof. Rajiv Tonk, Dean Student Affairs, DPSRU, Prof. C. R Patil, Dr. Mukesh Nandave and Dr. Ajit Thakur.

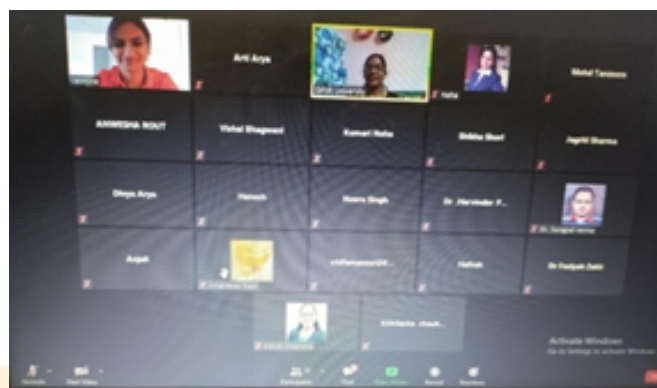
NIB has been supporting DPSRU for the various training programmes/ internships for Post graduate students of the University in the area of biologicals. The meeting also discussed to materialize the modalities of this collaboration through a formal Memorandum of Understanding (MoU) between the organizations. The meeting ended with vote of thanks by Prof. P K Sahoo, Director DIPSAR with a positive note to take these collaborations further. The meeting was coordinated by Dr. Jaseela Majeed (DPSRU) and Dr. Sudha V Gopinath (NIB).

Webinar on Quality by Design and its Role And Application in the Pharmaceutical Field

The Department of Pharmaceutics, DPSRU organized a webinar on Quality by design and its role and Application in the Pharmaceutical field on 06.08.2021. Dr. Jasmine who R&D Site Leader, Delivery Manager was invited as a guest speaker from Dr. Reddy's Laboratories SA, Basel, Switzerland which is part of the Pharmaceutical and Medicine Manufacturing Industry. The webinar started with the brief introduction a about the program and all the participants were addressed with the welcome message by Dr. Madhu Gupta, Associate Professor, DPSRU and chief coordinator of the program. The Director SPS, Prof. Harvinder Popli graced the occasion with her valuable presence and also addressed the participants and the faculty members with her ideas and thoughts about Quality by Design in manufacturing proceeding.

Dr. Jasmine enlightened us all with the new techniques and advancements in the Qbd designing in the pharmaceutical industry. She presented very descriptive illustrations about the functioning and advantages of all the new technologies. It was indeed a very informative and knowledgeable session with her. She also shared her practical experience about the same. All the participants enthusiastically took part in the questionnaire session. She shared alot about Qbd Roadmap, Need of Qbd, Quality-A Continuing Revolution and etc. It was an informative and knowledgeable session with her. The programs become more knowledgeable when she envisioned about her experience when she works in the laboratory. At last Dr. Madhu Gupta expressed her gratitude and says thanks to Dr. Jasmine for her valuable time and for this wonderful webinar. The webinar was

overall the successful event with the guidance and support of the faculty's members and students.



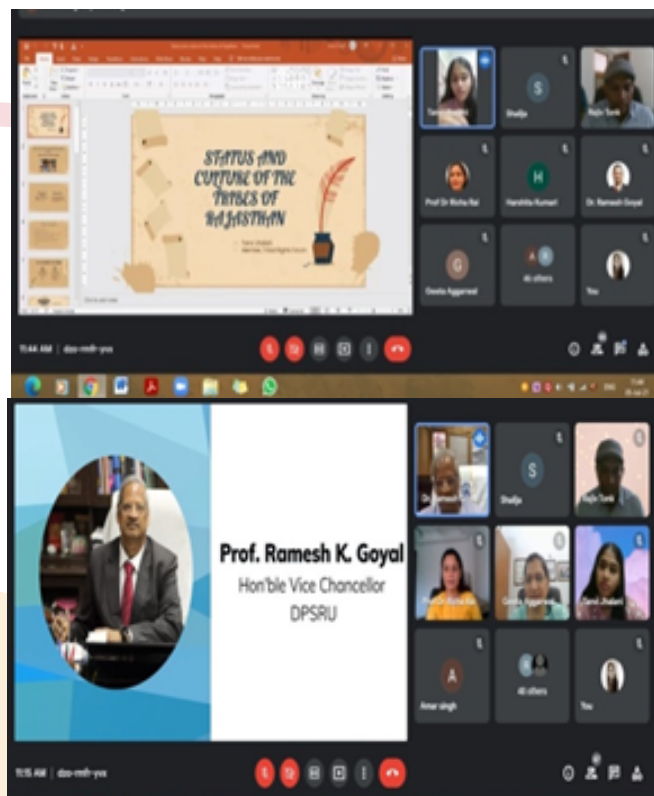
Awareness Session on Tribes of India with Think India: Tribal Rights Forum

The DPSRU/DIPSAR literary Society: Verve conducted this self inspiring and thought provoking awareness program in association with Think India and Tribal Rights Forum on the 5.07.2021. The enterprising members of Tribal Rights Forum are the students of The Indian Institute of Science, IIM Bangalore. They facilitate the upliftment of the tribes of India and in a minuscule of time since the inception of this forum, have conducted series of events and activities to meet the Philanthropic objective. This forum associated with Think India wants to recruit best talent and infuse the "Nation First" attitude and through various forums deal with specific issues of the various communities of the society, want youth to be proactive and help in improvising the situation.

The Speaker, Ms Tanvi Jhalani, currently a law student spoke on "The status and culture of the Tribes of Rajasthan" under the Project Eklavya. She elaborated on The Indian Concept of Tribes, the origin, what development means for them including legal provisions in Forest Rights Act and the Constitution of India.

The program started with a welcome note by Prof Richa H Rai, followed by inspiring words from Dean Academics Prof Geeta Aggarwal and a knowledgeable brief on Tribes of India and thought provoking ideas pronounced by Honourable VC sir, Prof Ramesh K Goyal. At the end Prof Rajiv K Tonk, Dean Students' Welfare applauded the efforts on the well conducted session, thanked the speaker and enthralled us all with his words of wisdom and Vote of thanks. There was an overwhelming response from the students to reach an approx. of 100 participants at a point of time. Avantika, Shailja and Amar Singh, B Pharma Students helped in organising and conducting the session well along with Dean Students' Welfare Office: Prof Rajiv K tonk and Prof Richa H Rai . Students who participated sent exciting positive feedbacks and were also certified by Think India.

The session concluded with a great carry home message by Prof Rajiv K Tonk- "ट्राइब्स की बस्ती से भी निकलती हैं हस्तियाँ, जैसे लहरों से टकराकर जहाज़ बनती हैं कश्तियाँ".

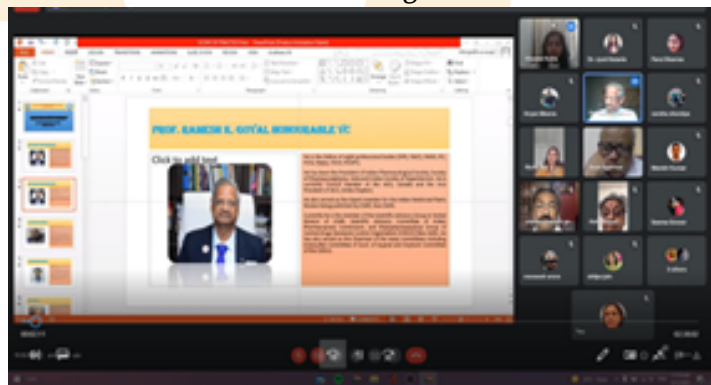


Deliberation on Scope of Physiotherapy Practice

School of Physiotherapy, DPSRU in association with Delhi Council for Physiotherapy and Occupational Therapy organized a deliberation on Scope of Physiotherapy Practice. The meeting was held through online mode on 12.06.2021.

Scope of Physiotherapy meeting was a continuation of National workshop on Development of Course structure and guidelines for Physiotherapy course in the light of NEP-2020 and Global development. Its objective was to create a model document that has a scientific basis and will have an advisory role for Physiotherapy practioners, academicians and for the forthcoming Physiotherapy Council. Professor Richa Rai and Dr Sheetal Kalra moderated the meeting that was attended by members of DCPTOT, faculty members of School of Physiotherapy and experts from outside University which included Presidents of Physiotherapy Council from different states of India, senior academicians and experts from industry. Honourable Vice Chancellor Prof Ramesh K Goyal and President DCPTOT Dr. Arun Aggarwal in their opening remarks emphasized the importance of scope, ethics standards of Physiotherapy practice and the importance of this document. Dr VP Gupta member DCPTOT mentioned the dire need for this document to

upgrade Physiotherapy profession and to prevent unethical practices. There were deliberations on various aspects like ethical issues, PhD in Physiotherapy guidelines, workshop regulations, interdisciplinary research, clinical and evidence based practice, need for regular syllabus revisions, Community based Rehabilitation, inclusion of indemnity clause in scope of Physiotherapy practice and many more. Professor Richa Rai and Dr Sheetal Kalra, expressed their gratitude to Honourable Vice Chancellor Sir for his support and guidance to conduct the meeting and to all the experts for their valuable suggestions. They also thanked Dr Varsha Chorsiya and Dr Jyoti Kataria for their constant support in coordinating with the experts and for smooth conduction of the meeting.



Virtual Lab Tour of Accuprec Research Labs Pvt. Ltd., Ahmedabad

On 19.06.2021, the virtual lab tour of Accuprec Research Labs PVT. LTD., Ahmedabad, India, was arranged for the students and faculty members of School of Pharmaceutical Sciences, DPSRU.

Prof. Ramesh K. Goyal, Hon'ble Vice Chancellor, DPSRU facilitate the Accuprec Team Members, students and faculty members. Prof. Goyal shared his words about importance of such meetings and how such industrial exposure is beneficial for the students.

Dr. Madhu Gupta Associate Professor, SPS, DPSRU welcomed the company representative Dr. Manish Rachh, Director, Ms. Mona C. Bhalani, Senior Research Associate, RA & QA Department, and Mr. Samee Master, HR Manager, The event was attended by approximately 100 participants encompassing Faculty members, B. Pharm., M.Pharm and PhD

students of various streams such as Cosmeceutics, Industrial Pharmacy and Pharmacology, Pharmacognosy, Analysis and Clinical Pharmacy. Accuprec Research Labs Pvt. Ltd. ® is a service provider for various testing services required for pharmaceuticals, chemicals and phytochemicals as well as herbal formulations.

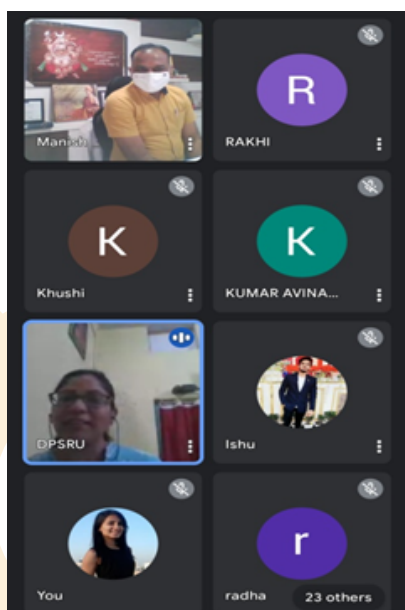
Ms. Mona Bhilani has guided the students and faculties about the instruments and facility spreaded in 14 different verticals under one roof.;

1. Analytical testing of pharmaceuticals and cosmetics
2. Biotechnological services
3. Microbiological services
4. Biocompatibility studies of medical devices
5. Preclinical and toxicological services
6. Phytochemical and AYUSH testing services
7. Food testing services
8. Formulation and development services
9. Dyes, pigment and plastic testing services
10. Research and development services
11. Stability testing services
12. Clinical services
13. Regulatory dossier preparation
14. IP management services.

Then she gave a explained role and importance of CRO (contract research organisations) through presentation and discussed differents sectors in the pharamaceutical market and scope of CRO. Also guided the students for the future career aspects and also given the answers of the queries asked by the students. Dr. Madhu Gupta concluded the session and shared her experience about Health Sciences and status of CRO in India and explained about the increased need of quality testing service providers to manufacturers of pharmaceuticals, chemicals, phytochemicals, herbal formulations, neutraceuticals and others falling in the category of food & drugs. She also stated about the amazing facts that India is top in world in exporting Generic medicines.

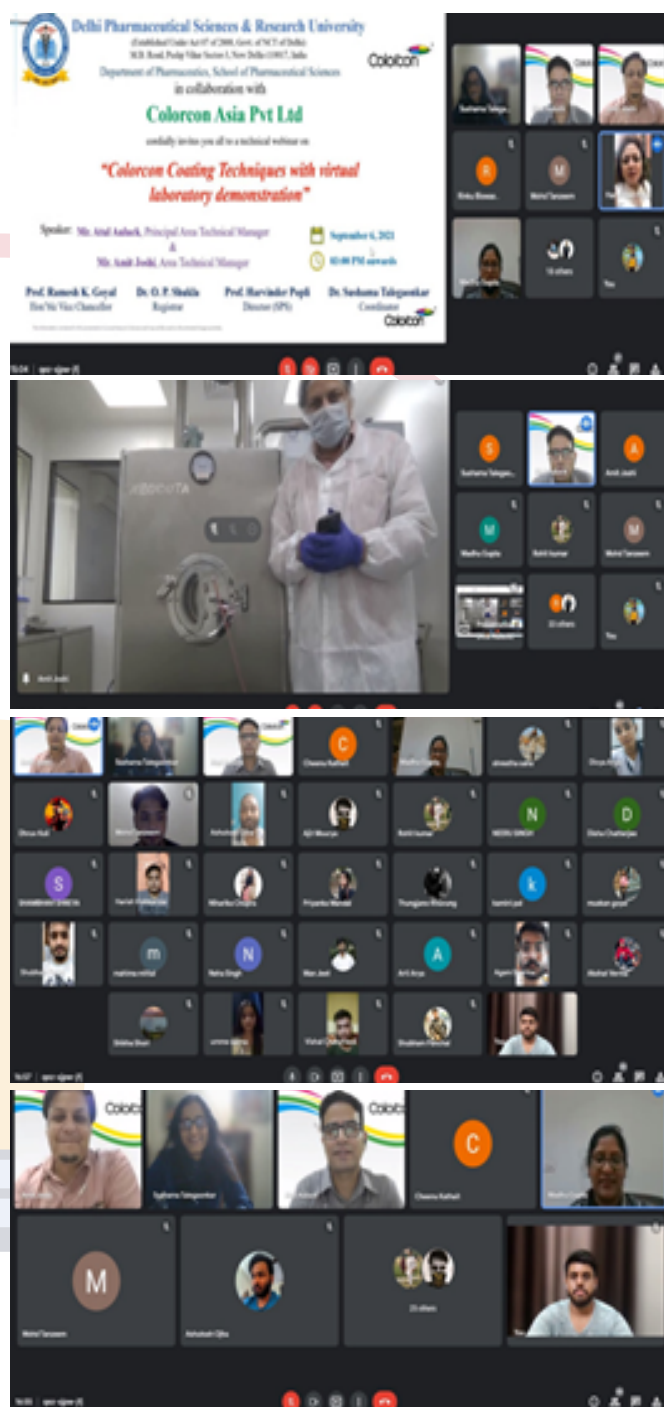
The whole program was coordinated by Dr. Madhu Gupta. Everyone learnt about the aspects of Accuprec Research Labs PVT. Ltd., Their services and facilities and lastly share their feed back with experts.





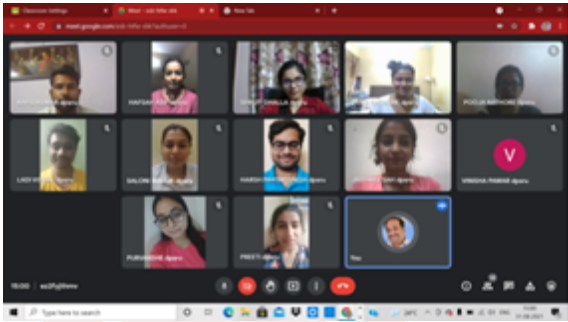
Webinar on “Colorcon Coating Techniques with virtual laboratory demonstration”

Department of Pharmaceutics, SPS, DPSRU, organised a technical webinar in collaboration with Colorcon, on 06.09.2021, on the topic “Colorcon Coating Techniques with virtual laboratory demonstration”. Colorcon is the world leader in the design and development of specialty excipients for solid oral dosages for the pharmaceutical and nutritional industries. Dr. Sushama Talegaonkar was the chief coordinator and Namish Manchanda, Student of B. Pharm 4th Semester, DPSRU was the student coordinator of the event. The webinar was open to the public and it was a great success as more than 80 participants including undergraduate, postgraduate, research scholars, PhD students and faculty members were in attendance. The webinar started at 3:00 pm with an introductory speech by Dr. Sushama Talegaonkar, followed by opening remarks by Prof. Harvinder Popli, Director, SPS. The eminent speakers for the day were Mr. Atul Auluck, Principal Area Technical Manager and Mr. Amit Joshi, Area Technical Manager who left no stone unturned to explain the topic and resolve the queries from the participants. The key takeaways from the session were virtual demonstration of all the equipments involved in tablet coating operation, tablet core designing for coating, coating formulas with a laboratory visual, the process parameters involved in coating, role of each ingredient in coating solution. In the end, Dr Sushama Talegaonkar gave concluding remarks and a formal vote of thanks expressing her gratitude towards the speakers and all attendees who had joined.



Brand Fair

Pharmaceutical Brand Fair activity was organized on 31.08.2021 by Department of Pharmaceutical Management under the School of Allied Health Sciences. During the activity, students of MBA-PM, plan and present different product brands under consumer healthcare and prescription medicines segments. This activity is a part of the course curriculum of MBA- PM (2nd Sem) wherein students get an opportunity to develop and present their product brand positioning which enables them to showcase their creativity and knowledge about pharmaceutical product and brand architecture in context to pharmaceutical business. The brand fair activity was conducted by course coordinator Dr. Abhishek Dadhich in online mode.



Expert Lecture on “The Role and Limitations of Sigma Analysis in Laboratory QC’

The School of Allied Health Sciences, DPSRU in collaboration with Sir Ganga Ram Hospital, New Delhi, organized an Expert Lecture on “The Role and Limitations of Sigma Analysis in Laboratory QC” on 27.08.2021.

The program started at 11 am in the board room, with the University Song. Prof. Harvinder Popli, Director SPS felicitated the expert speaker Dr Seema Bhargava, Senior Consultant and Professor, Sir Ganga Ram Hospital, New Delhi. Thereafter, Prof. Geeta Aggarwal briefed the members present about School of Allied Health Sciences. The Hon’ble Vice Chancellor, Prof. Ramesh K Goyal introduced the Expert Speaker, threw some light on the Vision of the University and also how the university progressed from its inception.

From 11:30 am onwards, the Dr Bhargava started her lecture on “The role and limitations of Sigma Analysis in Laboratory QC”. In her presentation, Dr Bhargava briefed about Sigmametrics and sigma analysis and its role in Quality Assurance of medical Diagnostic Laboratory. She also highlighted about its limitations and its future prospectives.

After the lecture was delivered, faculty members interacted with the guest speaker, clearing their doubts and sharing their experiences. Dr. Sheetal Yadav delivered the Vote of Thanks, and the event pleasantly ended at 1 pm with National Anthem. The Event was co-ordinated by Dr Sheetal Yadav under the supervision of Dr Jaseela Majeed, Head SAHS.



Short term Training Programme on Epidemiology at National Centre for Disease Control

National Centre for Disease Control (NCDC), Ministry of Health and Family Welfare have conducted a two day training program for the students of School of Allied Health Sciences (MBA-PM, MHM and MHM) on 25-26.08.2021. 19 participants attended the training physically at NCDC campus while 12 participants attended via online mode.

The session on first day covered Introduction to Epidemiology followed by Measures of Epidemiology along with the calculations used in the research and discussed various sample questions with the students.

Elaborative sessions were held on Descriptive and Analytical Epidemiology. The second day of training included theoretical and hand on training on Analytical Software named “epiInfo” used in the analysis of research studies. The experts explained about how epiInfo could be used in various studies and gave a sample problem to the students to analyze the data using the epi Info software. The training sessions were conducted by Dr. Anubhav Srivastava, Deputy Director, Epidemiology Division (ED), Dr. Suneet Kaur, Deputy Director ED, Dr. Tanzin, Joint Director ED, Dr. Vaibhav, Asst Director ED and Dr. Karishma, Technical Consultant, NCDC. The training programme was planned and organized by Dr. Jaseela Majeed, Head SAHS, along with Dr. Arti Behl, Head, Epidemiology Division of NCDC. It was a great experience and a wonderful opportunity for the students to enhance their practical knowledge and skills in the field of Epidemiology by the experts from the organization of national repute.





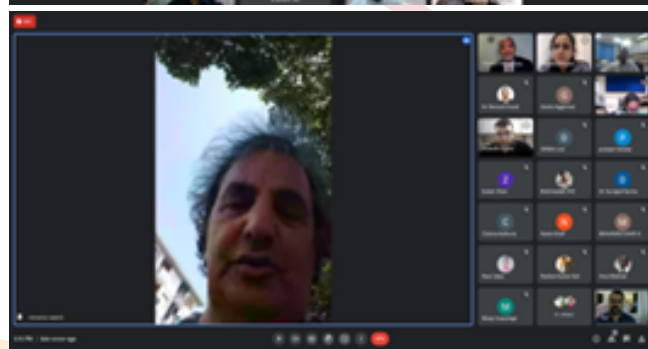
Webinar on Precision Medicine: Health & Care of the 21st Century

DPSRU-Centre for Precision Medicine and Pharmacy (DCPMP) organized an exclusive webinar session on Precision Medicine: Health and Care of the 21st century on 13.08.2021 at 3:30 IST. The speaker of the session was Dr. Madan Thangavelu, renowned genome biologist, Cambridge, UK with an unusually diverse academic background and wide range of research interests. The program was conducted through virtual mode with more than 100 participants both teaching Faculty and students. The event started with a welcome address to the speaker and the participants by Prof. (Dr) C. R Patil. Prof. (Dr). Ramesh K Goyal, Honourable Vice Chancellor gave a special address to the gathering.

The introduction about the esteemed speaker was made by Dr. Jaseela Majeed. During the talk, Dr. Madan started his lecture by remembering his research journey from India. Dr. Madan shared the thoughts of his own research work on precision medicine and various projects going on precision medicine globally. He briefed about the COVID-19 crisis, and how precision medicine can really add value for this crisis. Also highlighted that how some individuals are more prone to enter into serious conditions after getting SARS-Cov-2 infection and the reason for the severity of infection in males compared to females. Dr Madan explained correlation of Ayurgenomics and precision medicine and shared thought provoking idea about white prism of health. Throughout the lecture he motivated the participants the ways of to improve thinking skills and health. Prof. (Dr). Vincenzo Valenzi from Italy also joined the session and shared his thoughts on the same.

Followed the talk, the Q& A session was handled by Dr. Ajit K Thakur who gave the participants to clear their doubts and interact with the speaker. The webinar was hosted by Dr. Ruchika Sharma and the participants have provided positive feedback regarding the event and got an understanding on how to use precision medicines approaches in COVID-19 era. The webinar was organized by the Scientific team of DCPMP, Prof (Dr) Geeta Aggarwal, Prof (Dr) C R Patil, Dr. Jaseela Majeed, Dr. Ajit K

Thakur, Dr Ruchika Sharma and Dr Subodh Gupta.



Webinar on Precision Medicine and Wellness Genetics: Application in Daily life

DPSRU Centre for Precision Medicine and Pharmacy (DCPMP) is committed to foster knowledge and awareness about the potential and advancement in precision medicine based research, especially among young and dynamic researchers and faculty who are passionate to do research in Pharmaceutical sciences with application of genomics, proteomics and metabolomics to develop newer therapeutic drug for better management of the disease. To fulfil the objective, the centre is committed to organize regular webinar and lecture series by eminent scientist/faculty, working in the area of precision medicine.

In this connection we had organized a webinar on "Precision Medicine and Wellness Genetics: Application in Daily life" on 23 August 2021 by Dr. Sooraj Ratnakumar PhD (Cambridge) and Founder Scientist at Swagene, a renowned award winning NABL Accredited laboratory for genetics and molecular diagnostics.

The webinar was inaugurated by Prof. Ramesh K. Goyal Hon'ble Vice Chancellor, & Prof. (Dr.) Geeta Aggarwal, Dean Academics and Dr. O. P. Shukla, Registrar and advisor to DCPMP. During the inaugural speech Prof. Goyal, shared his words of wisdom highlighting the importance of precision medicine in modern era. Prof. Geeta Aggarwal briefed about the DPSRU Centre of Precision Medicine to the audience. Dr. Jaseela Majeed introduced distinguished speaker Dr. Sooraj Ratnakumar, to the audience.

Dr. Sooraj having vast experience in genetics, synthetic biology, personalized medicine and molecular diagnostics enlightened the participants on wellness genetics in a systematic way covering wide array of diseases like cancer, cardiovascular disease, cerebrovascular disease, diabetes, obesity and other metabolic syndromes. He highlighted the role of β -Blocker and salt sensitivity in hypertension through precision medicine approach. The lecture was followed by a Q&A session handled by Dr. Ajit K. Thakur and provided an opportunity to all the participants to interact with the expert and clear their queries. Dr. Sooraj cleared all the queries scientifically and threw light to the participants some thrust areas of research in disease diagnosis and management. The programme ended with vote of thanks on behalf of DPSRU Centre for Precision Medicine by Prof. (Dr.) C. R. Patil. The webinar was hosted by Dr. Subodh Kumar and received overwhelming positive feedbacks from the participants. The webinar witnessed Sixty five participants including Senior and Junior Faculties, Undergraduate and Post-graduate students, PhD scholars and Post-Doctoral Fellows from the University and other institutions. The webinar was organized by the Scientific team of DCPMP, Prof(Dr) Geeta Aggarwal, Prof (Dr) C R Patil, Dr. Jaseela Majeed, Dr. Ajit K Thakur, Dr Ruchika Sharma and Dr Subodh Gupta.

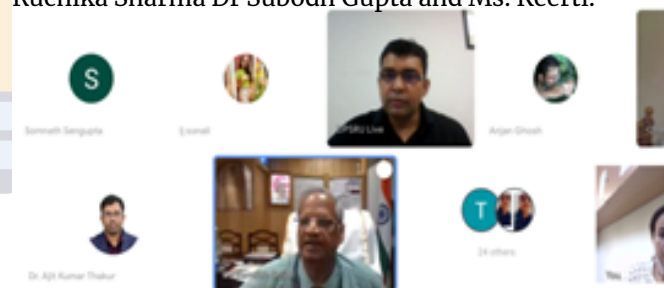
Learn With the Experts: A Webinar on Flow Cytometry”

DPSRU Centre for Precision Medicine and Pharmacy organized a talk on “Learn With The Experts: A Webinar On Flow Cytometry” on 22.09.2021, at 11:00 AM IST in collaboration with BD-Bioscience India (Pvt.) Ltd.. a well-known Multi-National Company and pioneer in Flow Cytometry. The speakers of the webinar was Mr. Anjan Ghosh, Application Scientist, BD Bioscience and knowledge partner, Dr. Somnath Sengupta, BD Bioscience.

The Webinar was inaugurated by Prof. Ramesh K. Goyal, Hon’ble Vice Chancellor and shared his vision about the DPSRU Centre For Precision Medicine and emphasized on the importance on skill development of Pharmacologist as well as of the budding Biotechnologist. During the inaugural address, Prof. Goyal emphasized on Academia-Industry bi-directional knowledge sharing which is very important to get updates about the latest technology in scientific research. The session was followed by introductory speech by Prof. C. R. Patil, about the mandate of DPSRU Centre for Precision Medicine and Pharmacy. The program comprised of two sessions.

In the first session, Mr. Anjan Ghosh, an experienced

Flowcytometry Instructor and Application Scientist, BD Bioscience discussed about Basics of Flow Cytometry and working principle of flow cytometry. Mr. Ghosh, briefed the applications of flow cytometry through which identification of particular cells by tagging the cell surface markers either by lineage marker or activation markers. The speaker also informed the participants that flow cytometry is very useful in many research areas for diseases like Lymphoma/Leukemia, Sepsis, AIDS, Cardiovascular disorders. Mr. Ghosh, addressed that “all the Sorter can be analyser but all the Analyser can’t be a sorter”. In the second session, Mr. Ghosh briefed about application of flow cytometry in Precision Medicine research. The webinar was moderated by Dr. Subodh Kumar, Research Associate, DCPMP, DPSRU and ended with vote of thanks by Dr. Ajit K. Thakur on behalf of DPSRU Centre for Precision Medicine. The webinar had 111 participants including Faculty, Undergraduate and Post-graduate students, PhD scholars and Post-Doctoral Fellows from host University and other Institutions and as well from the company. The participants gained knowledge about the basics and application of flow cytometry and received a positive feedback. The webinar was organized by the Scientific team of DCPMP, Prof (Dr) Geeta Aggarwal, Prof (Dr) C R Patil, Dr. Jaseela Majeed, Dr. Ajit K Thakur, Dr Ruchika Sharma Dr Subodh Gupta and Ms. Keerti.



Online Expert Lecture Series (SAHS)

- “What Is Public Health”

Expert: Prof. Koustav Dalal, Senior Health Economist & injury Prevention Scientist, Mid Sweden University, Sweden

Faculty Coordinators: Dr. Jaseela Majeed (Head SAHS), Dr. Puneeta Ajmera & Dr. J. Swaminathan

Student Coordinators: Danish Kamal and Sapna Yadav (MPH)

An expert talk on basics of Public Health was given by Prof. Koustav Dalal renowned Public Health Expert and Senior Health Economist of Mid Sweden University, Sweden on 14.08.2021 at 12 pm. Prof. Dalal has wide and long experience of developing and administering various Programmes of Masters in Public Health in world’s top Universities like Karolinska Institute

Sweden shared his knowledge and experiences in the field of public health to the students of MPH, MHM and MBA of School of Allied health Sciences. Prof. Dalal also emphasised on community based research, implementation and evaluation of public health projects and also guided students about the career prospects.

- **‘Measure of Disease Frequency: Incidence and Prevalence’**

Expert: Dr. Abha Mangal, Head of Community Health Department, St. Stephen’s Hospital, New Delhi

Faculty Coordinator: Dr. Jaseela Majeed (Head SAHS)

Student Coordinator: Ms. Amena Sherwani (MPH)

The School of Allied Health Sciences under its Online Expert Lecture Series conducted an expert talk for MPH, MHM and MBA students on 07.08.2021, at 04:30 p.m.

The expert session covered in depth concepts of prevalence and incidence of disease, their types, factors causing their increase and decrease, along with situational illustrations. Dr. Abha made the session interactive by making the students practice different numerical questions related to the topic. The entire session was informative and successful which helped the students a better understanding of the topic.

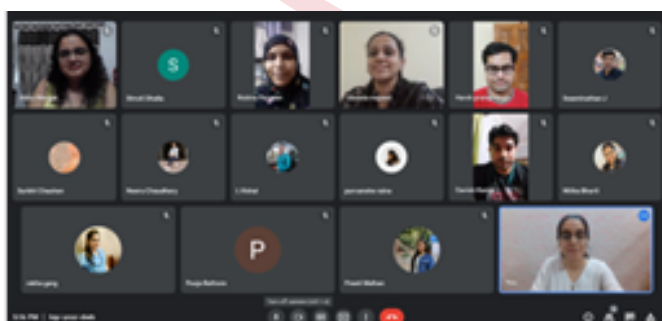
- **“Measurements in Epidemiology”**

Expert: Dr. Abha Mangal, Head of Community Health Department, St. Stephen’s Hospital, New Delhi

Faculty Coordinator: Dr. Jaseela Majeed (Head SAHS)

Student Coordinator: Ms. Nitika Bharti (MPH)

The School of Allied Health Sciences organized the Expert Lecture on “Measurements in Epidemiology” Dr Abha Mangal Head of Community Health Department, St. Stephen’s Hospital, New Delhi on 17.07.2021 at 4:30 pm. Dr Abha, believes that for community based health intervention perseverance is the key. The offering session included key techniques of measurements such as Counts, Rates, Ratio, Index, and Proportion along with briefing about mortality and morbidity rates. The session was really informative and benefitted the students and feedback was collected from all the participants.



- **“Application of IT in various Hospital and Healthcare Functions”**

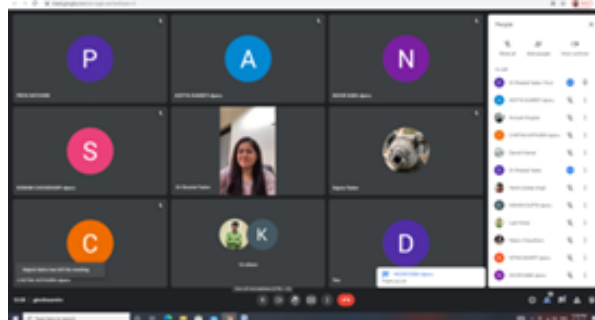
Expert: Mr. Rajesh Batra , VP – IT, Kokilaben Dhirubhai Ambani Hospital, Mumbai.

Faculty Co-ordinator: Dr Sheetal Yadav, under the guidance of Dr. Jaseela majeed, HOD, SAHS.

The School of Allied Health Sciences organized the Guest Lecture on on 06.08.2021 from 11 am to 1 pm. The students of MHM, MPH and MBA - PM attended the lecture.



Mr. Batra, an Automation Leader discussed about various drivers behind Healthcare IT and HIS evaluation Process. He also shared his own experiences of working for nearly two decades in the Healthcare Information System and how HMIS has evolved over the years, highlighting the path forward.



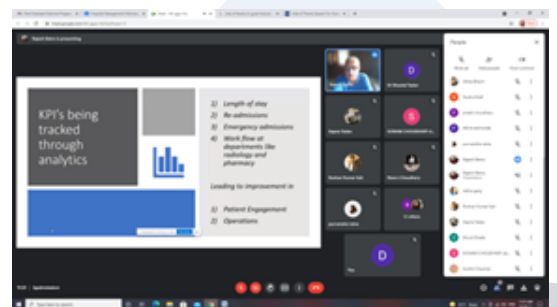
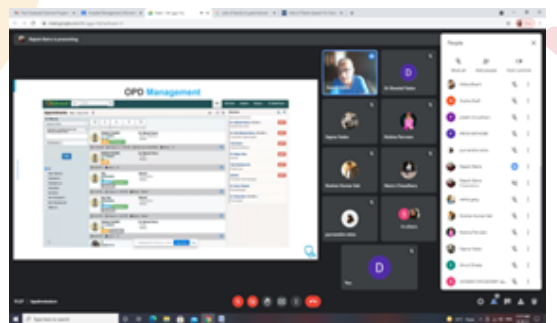
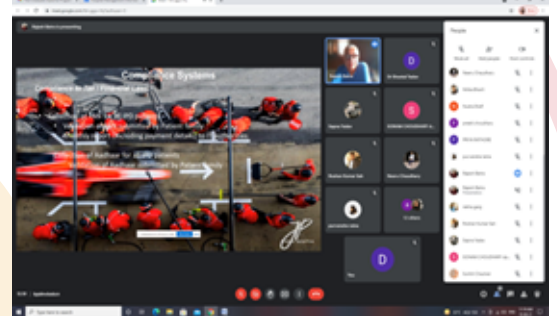
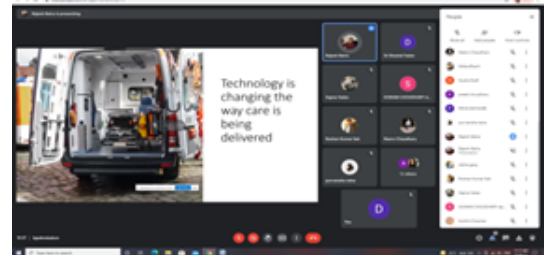
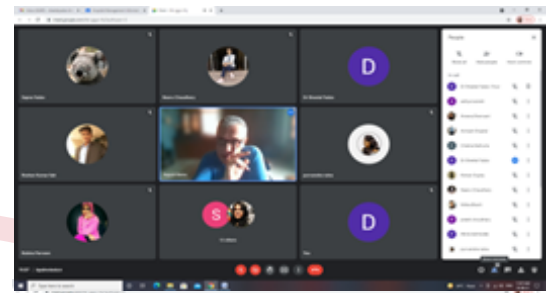
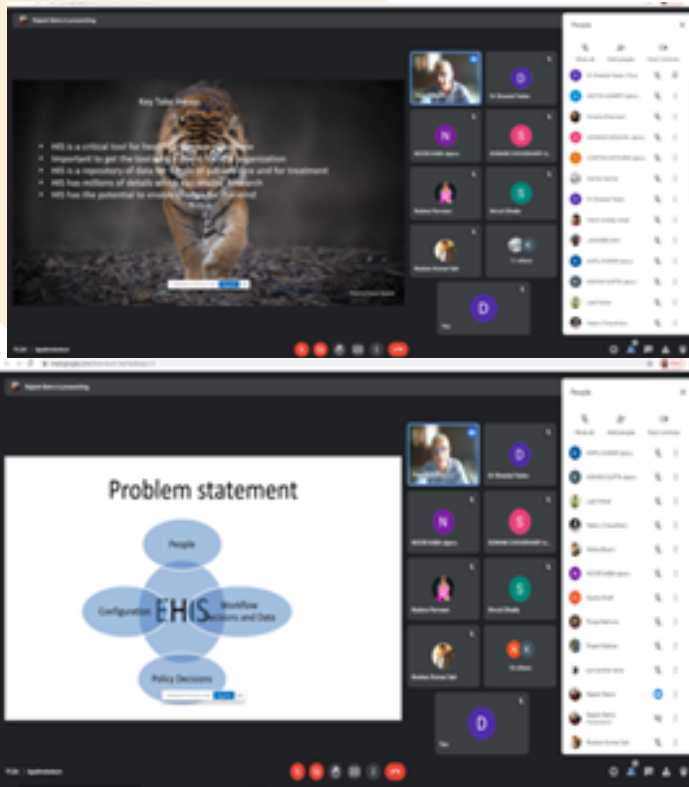
- **“Telemedicine”**

Expert: Mr. Rajesh Batra , VP – IT, Kokilaben Dhirubhai Ambani Hospital, Mumbai.

Faculty Co-ordinator: Dr Sheetal Yadav, under the guidance of Dr. Jaseela majeed, HOD, SAHS.

The School of Allied Health Sciences organized the Guest Lecture on 13.08.2021 from 11 am to 1 pm. The students of MHM, MPH and MBA - PM attended the lectures.

Mr. Batra, the guest speaker, discussed about the drivers of Telemedicine, recent developments in Tele-health sector in India and the strengths and opportunities that Telemedicine sector has in India as well as on global platform. He also highlighted that how the pandemic has been a blessing in disguise for Telemedicine and also the Practice guidelines that came in year 2020 have given authenticity and confidence to doctors to get on to the platform.



• **“HIS Implementation and its Ancillary Systems”**

Expert: Mr. Rajesh Batra , VP – IT, Kokilaben Dhirubhai Ambani Hospital, Mumbai.

Faculty Co-ordinator: Dr Sheetal Yadav, under the guidance of Dr. Jaseela majeed, HOD, SAHS.

The School of Allied Health Sciences organized the Guest Lecture on 19.08.2021 from 11 am to 12 pm. The students of MHM, MPH and MBA – PM attended the lectures.

The guest speaker Mr. Batra, discussed about HMIS compliance systems, different HIS modules and the key performance indicators that can be tracked through HMIS analytics. He also shared the experiences of implementation at Medanta–The Medicity Hospital, Kokilaben Dhirubhai Ambani Hospital Mumbai and Manipal Hospital.

Mr Batra also recommended to include the topic “Cyber Security and Governance” in the curriculum of the subject – Hospital Management Information System, since it is a very important and relevant area for which the students of MHM, MPH and MBA should be educated. The session was concluded with Vote of Thanks by Dr Sheetal Yadav.

Webinar - Creating a vision of hope through Palliative Care: Role of students

The School of Allied Health Sciences has organized a webinar titled “Creating a vision of hope through Palliative Care: Role of students” in association with Delhites’ National Initiative in Palliative Care

(DNipCare) , a voluntary organization focussing on voluntary services of Patient Care on Saturday, May 15 2021 . Dr. Jaseela Majeed, Head, School of Allied Health Sciences introduced the eminent speakers Mr. Antony Cyriac (Economic Advisor at Niti Aayog & Treasurer at DNipCare), Sr. Hanife MacGamwell (Palliative Care Nurse Specialist at ELNEC); and Mr. K.V Hamza (Secretary, DNip Care) and briefed the significance of palliative care during these difficult times of the pandemic. The speakers dealt upon the importance of Palliative Care and discussed on the potential of the community in carrying out its duty to the society. They also detailed about how students could be a part of this noble work and also explained their roles to help the needy ones, and how students can volunteer the palliative care activities during the devastating times of pandemic. Sr. Hanife motivated the students to take part in volunteering activities, shared her experience from the field, current scenario of palliative care in the world. A volunteer at DNipCare, shared his experience with the students about a real-life situation he encountered. The faculty of Dept. of Public Health, Dr. Puneeta Ajmera and Dr. Swaminathan shared their views in the webinar.

Organizing Team: Dr. Jaseela Majeed, Dr. Puneeta Ajmera and Dr. Swaminathan long with student coordinators Priya Rathore (MBA), Sapna Yadav (MPH) and Noor Saba (MHM).

One month Internship at NCDC

The 6 students of first year Masters in Public Health (MPH) of School of Allied Health Sciences, Aditya Kukreti, Amena Sherwani, Danish Kamal, Rekha Garg, Rubina Parveen and Sapna Yadav had undergone one month Institutional Internship (07/06/2021 to 07/07/2021) as a part of their mandatory internship curriculum of their course at prestigious National Centre for Disease Control (NCDC), Ministry of Health and Family Welfare (MoH&FW), New Delhi under the Supervision of Dr. Aarti Bahl Joint Director & Head of Epidemiology Division, NCDC from 7th June 2021-7th July 2021. The students were divided into 2 groups of 3 individual each and each group were assigned with specific task under the supervision of Dr. Arti Bahl, Dr. Meera Dhuria & Dr. Suneet Kaur of NCDC. The students had completed one minor project on Preparation of protocol on the "Vaccination status of Covid-19 positive employees in National Centre for Disease Control (NCDC), Delhi and their outcome." The internship programme was planned and coordinated by Dr. Jaseela Majeed, Head SAHS. NCDC is regularly supporting School of Allied Health Sciences in providing trained health manpower development which

is the mandate of the organization. and official collaboration of DPSRU with NCDC is underway.

Collaboration with Distress Management Collective India

Volunteering activities for the distribution of Oxygen Concentrators for COVID-19 patients in collaboration with an NGO Distress Management Collective India: In order to battle the second wave of Covid-19, the civil society organizations in India gears up holding hands each other, upholding that even if the entire system struggles to handle the surge in COVID cases, humanity works to save lives with essential support services. The School of Allied Health Sciences, joined the endeavour titled 'Praan Vaayu' (which means Life Force in Sanskrit)'with Distress Management collective India, a voluntary organization under the guidance of Dr. Jaseela Majeed, Head SAHS with three Masters students of SAHS, Ms. Pooja Rathore (MBA-PM), Ms. Chetna Kathuria (MHM) and Ms. Amena Sherwani (MPH) to provide Oxygen Concentrators for home care of COVID-19 patients when second wave of pandemic hit the country. The team has distributed oxygen concentrators free of costs to Covid-19 patients with proper sanitization protocols. The volunteers are involved in tracking the concentrators, performing inventory management and other support activities of these oxygen concentrators. In addition to that, tele counselling and prescription support were given to Covid-19 patients.



Alumni Talks organized by SAHS

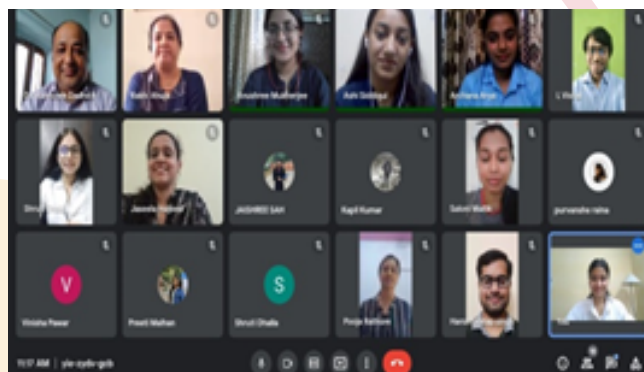
- A virtual talk on “Journey and learnings at NIPER, Mohali – An Alumni Talk was organised by the School of Allied Health and Sciences on 25.06.2021 for the students of MBA- Pharmaceutical management. The session was aimed to connect the students of MBA-Pharmaceutical Management with the alumni of DPSRU who have completed Pharm MBA at NIPER, Mohali.

The speakers of the vibrant session were Ms. Ashi Siddiqui, Ms. Archana Arya and Ms. Anushree Mukherjee alumni of 2015 BPharm batch of DPSRU. The session was initiated with welcome address by Dr. Jaseela Majeed followed with opening notes by Dr. Abhishek Dadhich. Ms. Rakhi Ahuja briefed the training and placement activities in the University. During their talk each one of the speakers took the students through their journey at NIPER and their learnings from their internships. All the speakers guided the students about various skills that are required to enter the Pharmaceutical industry and required soft skills and techniques along with the academic knowledge to crack the interview. There was an interactive and Q & A round where all three speakers whole heartedly cleared the doubts and apprehensions of the students. They also reiterated how DPSRU has given them a strong base to move ahead in their career and be at par with others in this competitive world. The programme was organized by Dr. Jaseela Majeed along with student coordinator Ms. Shruti Dhalla. The session was enriching and resourceful for the students and provided a platform to learn and connect.

An online talk on “Industry Insights- Alumni Talk” was also on 10 July 2021, for the MBA-Pharmaceutical Management students. The program started with the invocation by Dr. Abhishek Dadhich and a welcome address by Ms. Rakhi Ahuja. The alumni who joined were Mr. Nitesh Gunjan (2017 Batch), Mr. Nikhil Varshney (2018 batch), Mr. Prabhsimran Singh (2019 batch) of MBA-Pharmaceutical Management.

All the 3 speakers gave a deep understanding regarding the gaps in the pharmaceutical industry and their journey from University into the dynamic pharma industry profession. Their insights gave the students a clear picture of the road ahead and a deep dive into the implications of the industry. All the speakers shared their journeys of their transformations with students. The session was followed by an interaction round where all the alumni connected with the students on a personal

level and cleared every doubt with lot of patience. They provided with bird's eye view of the industry and also detailed the students with the prevalent skills and expectations of the industry from the freshers. The virtual meet helped the students to connect with their seniors and learn from their first hand industry experiences. It was a very informative and insightful session that motivated and energised the students for their future endeavours and gave them a glimpse of the professional life. Alongside it also connected the alumni with their alma mater that filled them with nostalgia and build a strong alumni community. The programme was organized by Dr. Jaseela Majeed along with student coordinator Ms. Shruti Dhalla.



Virtual Investors Awareness Program (IAP) Sessions

DPSRU recently held a Virtual Investors Awareness Program (IAP) Session 1, conducted by Dean Student's Welfare Office, under the leadership of Prof. Rajiv Tonk, on 13.07.2021 and 26.07.2021, from 11 AM to 12:30 PM.

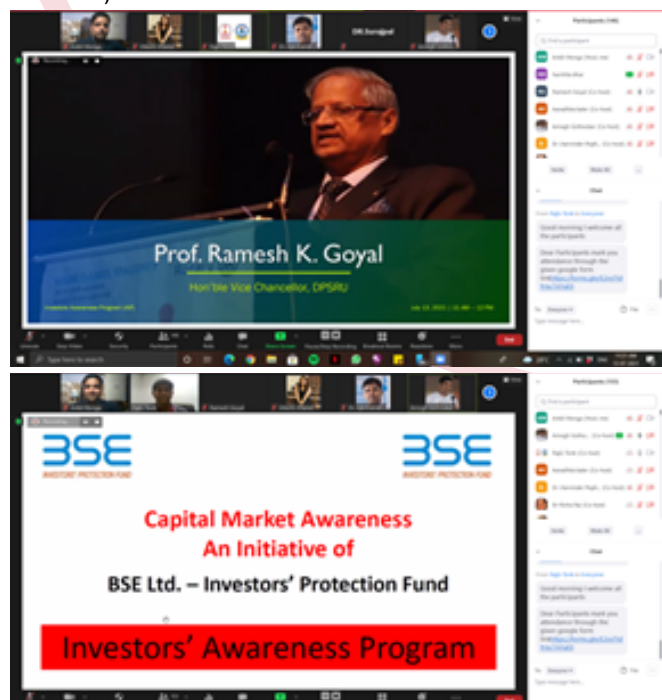
The program began with Introduction of the University and the Investors Awareness Program, by the anchors, Ankit and Hiteshi, from Verve: Literary Society of DIPSAR/DPSRU. It was followed by the playing of the Official DPSRU song. Prof. Rajiv K Tonk, Dean Student Welfare, DPSRU, delivered the Welcome Address, while introducing the Speaker for the day's program, Dr. Amogh Gothoskar. Prof. Rajiv Tonk also welcomed Hon'ble Chief Guest, Vice Chancellor Prof. Ramesh K. Goyal, and Hon'ble Guest of Honour, Registrar Dr. OP Shukla, and all Special Guests for the day including Prof. Harvinder Popli, Dr. Geeta Aggarwal, Prof. PK Sahoo, Dr. Shilpa Jain and all distinguished faculty members and mentors of DPSRU.

The Welcome Address was followed by remarks from Chief Guest and Hon'ble Vice Chancellor Prof. Ramesh K. Goyal, who highlighted the importance of Investor and Financial Awareness and the need amongst students to realise the importance of being aware and active in the corporate field to prepare for a dynamic

tomorrow and a competitive world that awaits the students after college.

Then, it was time for the Keynote Speaker of the Day, Prof. Amogh Gothoskar, to address the students and participants. Prof. Amogh began with an illuminating presentation and delivered an amazing pitch regarding financial literacy and emphasised upon the need amongst the students to be aware on the aspects of Investment. He energised them about the developments of the modern world when it comes to Investor Awareness and Financial Literacy. The students had a very positive feedback for the Keynote Speaker and many of them asked to have another session with the Speaker to discuss more about Investors Awareness. The speaker also took Questions from the students and faculty after concluding his presentation. The Q/A session was moderated by Prof. Dr. Richa H Rai, Faculty Coordinator, DPSRU, who conducted the interactive session amongst the students and the Keynote Speaker, and skillfully managed all queries for the Speaker to answer and address. Dr Prabodh Sharma helped the smooth technical execution.

The Vote of Thanks was delivered by Dean Student Welfare, Prof. Rajiv Tonk, who thanked the audience and the students for their participation and active interaction during the program, he also thanked all the invited dignitaries for their august presence during the program, which was followed by National Anthem and concluding remarks by the anchors. The next session was conducted on 26.07.2021 on the same lines on demand. The program was coordinated by Ankit Monga, Student Coordinator, DPSRU under the leadership of Prof. Rajiv K Tonk, Dean Student Welfare, DPSRU.



Expert talk on “Regulatory Affairs: Scope, Challenges and Futuristic Scenario in Covid time”

DPSRU Innovation and Incubation Foundation (DIIF) in collaboration with Department of Pharmaceutics, School of Pharmaceutical Sciences, organized an expert talk titled “Regulatory Affairs: Scope, Challenges and Futuristic Scenario in Covid time” on 23.06.2021. The event was conducted online on Google Meet and coordinated by Prof. (Dr.) Geeta Aggarwal with Dr. Foziyah Zakir as co-coordinator. The expert talk was inaugurated by Prof. Ramesh K. Goyal (Hon' V.C.), Dr. O.P. Shukla (Registrar) and Prof. Harvinder Popli (Director, SPS). The speaker of this session was Mr. Vipul Gupta, Regulatory Head, Roche India Pvt. Ltd, New Delhi. Mr. Vipul has 13 years of robust experience in various domains of Regulatory and Corporate Affairs in various pharmaceutical companies. Being an expert in the field, he talked about regulatory submission and strategies related to pharmaceuticals, medical devices, biologicals, biosimilars, cosmetics and OTC products during the Covid pandemic. Mr. Vipul has good acumen in training sessions on regulatory affairs and being a Regulatory Affairs Trainer, the students of M.Pharm. (DIPSAR and DPSRU) were benefitted from this event. He also talked about his experience on regulatory compliance for India, US and Middle East markets and expediting regulatory approvals. He outlined the NDA, ANDA and SNDA filing process for medical devices and drugs as per US, EU and ASEAN guidelines. In addition, Mr. Vipul also shared the details of his published book on ‘Drug Regulatory Affairs’ by CBS, which will be useful to the students of M.Pharm. (DRA) in their academic curriculum. The event was successful and participated by more than 100 students of M.Pharm. and faculty of DIPSAR and DPSRU

Expert talk on “The Changing Market Forces and Digital Adoption in Indian Pharma Industry: A Covid Impact”

An expert talk was conducted on 9.07.2021 at 3:00 pm on virtual platform. The lecture was delivered by Mr. Manas Ranjan, Founder and CEO of Cognitrex and SIMRACI Educations, Gurugram. He talked about “The Changing Market Forces and Digital Adoption in Indian Pharma Industry: A Covid Impact”. Welcome speech was delivered by Prof. Ramesh K. Goyal (Hon' V.C.), Dr. O.P. Shukla (Registrar) and Prof. Harvinder Popli (Director, SPS). Mr. Manas talked about the revolution of the Indian Pharma industry post Covid pandemic. He highlighted about the solutions and services provided by Congitrex Solutions Ltd. to pharmaceutical industries. Mr. Manas explained the various challenges faced by the technical giants

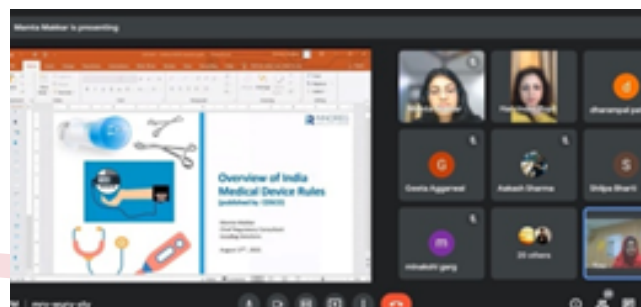
during this pandemic time and how the industry has evolved owing to digitalization. Approximately, 12 people from the industry also attended the program. The University has already signed MoU with the company and Cognitrex is placing our students every year. The event was jointly organized by DPSRU Innovation and Incubation Foundation (DIIF) and Department of Pharmaceutics, School of Pharmaceutical Sciences. Prof. Geeta Agarwal coordinated the event, with Dr. Foziyah Zakir acting as a co-coordinator. More than 100 students and faculty from attended the expert talk.



Expert talk on “Overview of Indian Medical Device Rules, published by CDSCO”

An expert talk was organized by Department of Pharmaceutics, School of Pharmaceutical Sciences through virtual platform on 17.08.2021 at 12:00 pm. The speaker for the webinar was Ms. Mamta Makkar, Chief Regulatory Consultant, InnoReg Solutions, New Delhi. Ms. Mamta is also an alumnus of DIPSAR where she obtained her B.Pharm. and M.Pharm. Ms. Mamta talked on the topic “Overview of Indian Medical Device Rules; published by CDSCO”. The event was attended by more than 100 students and faculty from DIPSAR and DPSRU. Additionally, approximately 10 people from the industry also participated in the expert talk.

Prof. Harvinder Popli delivered the welcome address and Prof. Ramesh K. Goyal (Hon' V.C.) and Dr. O.P. Shukla (Registrar) gave uplifting remarks on the topic of discussion. Ms. Mamta commenced the talk and gave an overview of registration process for regulatory approvals. She discussed the multiple aspects of medical device regulations like end-to-end registration process, labelling compliance and license lifecycle management for product changes. Having 13 years of regulatory experience in various MNCs, she talked about the requisite qualifications and talents required in a fresher to enter into the industry. Ms. Mamta mentioned the recent updates in the regulatory approval process and that the job seekers, especially freshers should be well versed in these areas from time to time. The talk was very interactive and concluded with a Q & A session where M.Pharm students discussed the scope and potential of the pharma regulatory industry.



The event was moderated and co-coordinated by Dr. Foziyah Zakir and coordinated by Dr. Geeta Aggarwal.

ATAL FDP on Drug Engineering: 5 days of feast of knowledge opened up new directions of learning and research in Pharmaceutical Sciences

AICTE ATAL FDP on Drug Engineering was organised by DPSRU in online mode from 28th June- 02nd July, 2021. During this 5 days educational program we had with us very sincere learners and very talented and specialized resource persons, delivering lectures, showing presentations along with hands on workshops. Participant's attendance and test were the mandatory components of the program. Participants from more than 15 states were available in this FDP. We had a packed class with no vacant seats, as 200 participants registered with us through the AICTE ATAL Academy portal, for this FDP on Drug Engineering.

The FDP was inaugurated by Prof. Rajendra B. Kakde, Advisor, AICTE along with Prof. Ramesh K. Goyal Hon'ble Vice Chancellor, DPSRU. Drugs save lives, alleviate suffering, and are highly cost effective compared to other treatments methodologies. Dr. Saurabh Dahiya ATAL FDP Coordinator said, having realized this, it becomes pertinent to train the pharmaceutical academicians, scientists and researchers in the various domains of Drug Engineering so that they continuously strive to evolve better drug design, drug development and drug delivery through their innovations in the emerging areas of pharmaceutical sciences. A galaxy of pharma fraternity were available during the inauguration program including Director DIPSAR Prof. P.K. Sahoo and Director SPS Prof. H. Popli in gracious presence of Registrar, DPSRU Dr. O.P Shukla.

Inaugural Technical Session was delivered by Prof. Ramesh K Goyal Hon'ble Vice Chancellor DPSRU wherein he shared success story of Development of Novel formulation for Covid-19 treatment by DPSRU. His session invoked huge interest among participants for drug formulations for Covid. He provided learning resources too for the participants. He kindly shared his valuable time in addressing the curious queries of participants.

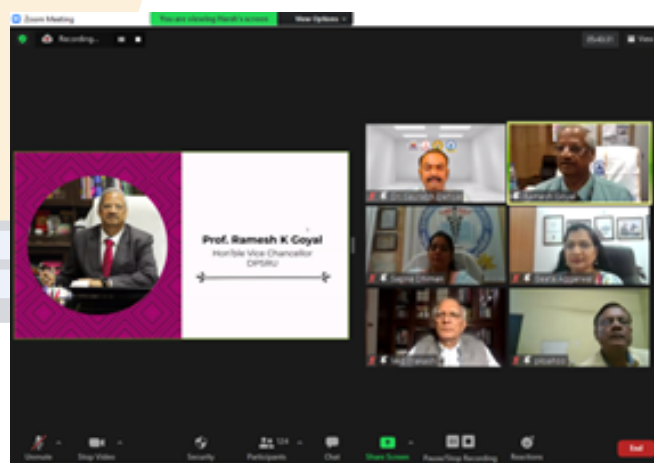
Technical sessions in this FDP gave a deep insight on latest know how in the fields such as Precision Medicine covered by Dr. J.B. Gupta, Ex-President Argen Biosciences USA. Precision medicine is an emerging approach for disease treatment and prevention that takes into account individual variability in genes, environment, and lifestyle for each person, this field opens up newer avenues of drug engineering.

Session on In silico drug design by Prof. Madhu Chopra from Ambedkar Center, DU very well bridged the gaps between traditional pharmacology and the modern methods of computational drug design. These in silico methods include databases, quantitative structure-activity relationships, pharmacophores, homology modelling and other molecular modeling approaches saving huge cost on drug discovery process. Dr. S. Debnath from Women's Polytechnic, Tripura opened up the approaches towards design and development of proteins as therapeutic agents with desired traits, the same session also covered Covid-19 vaccine development and hands on workshop on protein databases. The concept of chiral science and its role in design and development of newer drugs taken up by Dr. K. Valliappan generated great interest among participants. Dr. Jai Prakash and Dr. V. Kalaiselvan from Indian Pharmacopoeia Commission made the learners well aware about the monograph development, journey of pharmacopoeias, pharmacovigilance programs, and concepts such as medical devices and safety monitoring. Further, regulatory aspects related to development of herbal drug formulations were discussed at length by Industry stalwart Dr. Anil K Sharma VP, AIMIL Pharmaceuticals. New Education Policy 2020 was discussed in great details by Prof. P.K. Sahoo, Director, DIPSAR. Importance and changing landscape of start-ups was covered by Dr. H. Popli, Director, SPS, DPSRU. Frontiers of radiopharmaceutical and diagnostic development were opened up by Dr. Shubhra Chaturvedi, Scientist, INMAS, DRDO. The usage of nanotechnology in development of treatment and devices for protection from nuclear contamination was well explained by Dr. Navneet Sharma, DST Young Scientist. The field of sports pharmacy and dope testing still needs to be tapped by pharmaceutical scientists and academicians; the concepts of biochemical analysis and regulatory compliances were illustrated by Dr. P.L. Sahu Director, National Dope Testing Laboratory. This program also included the

aspects on stress management, human values and ethics, health and happiness by Mr. Varun Upadhayay Faculty, Art of Living, Bengaluru.

The Valedictory Session witnessed feedback and test of participants conducted by the ATAL FDP Coordinator Dr. Dahiya and valedictory speech by Prof. Ved Prakash, Former Chairman, UGC, New Delhi wherein he stressed upon building profound knowledge and skills among the faculty participants by way of continual FDPs thus developing a futuristic orientation.

Prof. R.K. Goyal, VC, DPSRU stressed upon taking up newer initiatives by faculty participants and appreciated the feast of knowledge in the form of ATAL FDP and hoped that after attending the knowledge and skill packed sessions the participants shall be equipped with the latest know-how in the field of drug engineering and shall be sparked to initiate best practices and innovations in their field of work and teaching. This program has tried its best in presenting before them new directions to plan and impart quality technical education at their working place taking use of the knowledge gained in the thrust area of drug engineering.



"I believe in innovation and that the way you get innovation is to fund research and learn the basic facts." – Bill Gates

अंदाज़े से न नापिये, किसी शिक्षक की हस्ती,
ठहरे हुए दरिया अक्सर गहरे हुआ करते हैं।

अंदाज कीजिए शिक्षक का हुनर,
जो लिखता है, कागज का नसीब,
कोई कागज रद्दी और कोई कागज गीता बन जाता है।
अंदाज यही है शिक्षक का
जो लिखता है पत्थर का भी नसीब,
कोई पत्थर ठोकर खाता है तो
कोई पत्थर भगवान बन जाता है।

अंदाज़े से न नापिये, किसी शिक्षक की हस्ती,
ठहरे हुए दरिया अक्सर गहरे हुआ करते हैं।

अंदाज करो जब तूफान भी हार जाते हैं, अगर कश्तियाँ जिद पे होती हैं,
और जब मंजिलें जिद्दी हों तो,
नसीब से भी मंजिलें नहीं मिलती हैं,
ये तो शिक्षक ही होते हैं जनाब,
जो तूफान से भी लडकर,
मंजिल हांसिल करने का रास्ता देते हैं

अंदाज़े से न नापिये, किसी शिक्षक की हस्ती,
ठहरे हुए दरिया अक्सर गहरे हुआ करते हैं

कोरोना काल में टीके आये,
दवा उद्योग से दवाएं आर्यीं,
कई काम आईं तो कई वापिस हुयीं,
ये तो जनाब, दिप्सरू शिक्षक थे,
हिम्मत से, कोरोक्विल को आगे ले रहे।

अंदाज़े से न नापिये, किसी शिक्षक की हस्ती,
ठहरे हुए दरिया अक्सर गहरे हुआ करते हैं

दिप्सरू शिक्षकों को विशेष अनुशंधान की शुभकामनाएं।

रमेश गोयल
कुलपति



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