



# भैषजिक समाचार © DPSRU



## Quarterly Newsletter of

**Delhi Pharmaceutical Sciences and Research University**

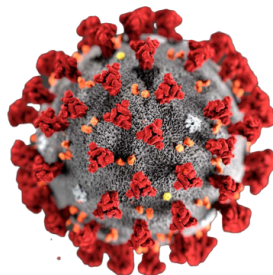
(Established Under Act 07 of 2008, Govt. of NCT of Delhi)

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

## DPSRU Fights Against COVID-19

Mr. Vivek Mishra  
(Disaster Management Officer)

House Keeping Staff of DPSRU  
Ashish, Kuldeep, Mukesh, Naveen,  
Akash and Shehzadi



Security Personnel of DPSRU

T.P. Singh and Jai Singh (Supervisor)  
Guards: Basudev Mishra, Mohan Ram,  
Chaman Lal, P.S. Mishra, Sachin Yadav  
and Pradeep Kumar



Mr. Ankit Goel  
(Disaster Management Officer)



Dr. J. Swaminathan  
(Disaster Management Officer)



Dr. Priyanka Sonam  
(Medical Officer)



Mr. Aditya Kaushik  
(Security Officer)

## DPSRU CORONA WARRIORS

### In This Issue

- Report on International Conference of Cardiovascular Sciences 2020 (ICCS-2020)
- Events held during March-April within university
- Awards, Publications and Faculty's Guest Lectures
- DPSRU Fight against COVID-19 (SARS-Cov-2 Corona Virus)
- Faculty and Staff meeting report during lockdown period
- Employment of Online Platforms for e-Classroom Programs
- National Service Scheme (NSS) and Rotaract Initiatives
- Cultural Societies of DPSRU

## “ Vice Chancellor's Concern for COVID-19



Whole world is passing through one of the worst, International Health Calamities in the form of Pandemics of Novel Corona Virus (COVID-19) of last one century. I wish you to be safe at the home with your family members. As per the Directives/ Requests/ Appeals of different authorities of the Government of NCT of Delhi and Hon'ble Prime Minister, it is expected that we must see that we follow the "Social Distancing and Isolation" as the part and partial of the Fight Against the Corona Virus. We are the Professional University, a unique University to be the first in India and third in the World as per the our information. We have an obligation to join hands with the Government to contribute in the Fight against Corona.

I am happy to share that our university started to contribute right from the beginning. We started with a few silent steps like, Awareness Program by the MHM/MPH students led by Dr. Jaseela Majeed; Exploring the Biodiversity of Aravali Hills Plants for getting the treatment, where Dr Mahaveer has prepared the extracts and off late joined hands with a pharmaceutical company and came at with formulations for prevention and treatment of patients with Corona. Providing surface disinfectant by one of the start-up "Brijkush Ltd" by DIIF incubatee Mr. Kushagra Khanna; preparation of various Hand sanitizers (By a group of Ph.D. students of Prof. Rajiv Tonk); and preparation of more Masks designed by another start-up Avol Pharma Ltd have been constantly meeting some of the needs for prevention of Corona.

International Conference of Cardiovascular Sciences was organized by the university with over 500 participants from all over the country and across the globe with 70 speakers from 15 countries on 21-23 February, 2020. It is well known that COVID affects cardiovascular and diabetic patients, prognosis of corona has a direct link. Faculty is working to give advisory in this direction and have new discovery collaborating with herbal companies.

ICCS-2020 was organized in collaboration with AIIMS, Department of Pharmaceuticals (DOP) of Ministry of Chemicals & Fertilizers, Defence Research and Development Organization (DRDO), PHD Chamber, and leading hospitals like Apollo, Max, National Heart Institute (NHI), Pt. Govind Ballabh Pant Hospital, Rotary Club of Delhi Central and Heart Care Foundation of India (HCFI). I am especially grateful to DOP, Department of Biotechnology (DBT), Science and Engineering Research Board (SERB), DRDO and all other sponsors for their generous support to ICCS-2020.

COVID-19 affected badly the routine academics and examination system. University had several meetings (over twenty five) with students and staff coming out with plans to have online teaching, assessments and internship program. University has planned such that post COVID period has minimum effect on the progress of the university. Let us all pray almighty to recover the world from this natural disaster.

**Prof. Ramesh K Goyal**  
Vice Chancellor, DPSRU

*Mentoring is a brain to pick, an ear to listen, and a push in the right direction.*

— John Crosby

# “ Purpose fuels our Passion

## International Conference of Cardiovascular Sciences-2020 (ICCS-2020)

Delhi Pharmaceutical Sciences and Research University (DPSRU) successfully concluded a three days International Conference of Cardiovascular Sciences-2020 (ICCS-2020) held during 21-23 February. The conference was inaugurated by Prof. (Dr.) Randeep Guleria, Director, AIIMS in the presence of Prof Ramesh K. Goyal, Vice-Chancellor, DPSRU, Prof Harvinder Popli, Officiating Registrar, DPSRU, Prof. C.C. Kartha, President, IACS – India Section, Prof. N.S. Dhalla, Founder, International Academy of Cardiovascular Sciences (IACS), Prof S.K. Gupta, Emeritus Professor, DPSRU, Prof Raja Babu Panwar, Vice-Chancellor, Rajasthan University of Health Sciences, Jaipur.

### 1. The Mega Health Camp "HEALTHON"

A mega health camp for a free screening of lifestyle related disorders was also organised in collaboration with Rotary Club of Delhi Central. Camp was inaugurated by Mr. Sanjeev Khirwar, Principal Secretary, Health & Family Welfare, Delhi Govt., Mr. Ajay Dutt, MLA (Aam Aadmi Party) also joined for the inauguration. Over 400 participants took Hands on Training on Cardio-pulmonary resuscitation (CPR) given by Dr. K. K. Agarwal, President, Heart care Foundation of India.

Rotarians from RCDC were also present, including President Rtn. K. S. Popli. He praised Rotaract and youth conducting the service projects on their own and for organizing the health camp at DPSRU. The dramatic society of DPSRU 'Fitoor' performed a nukkad natak on health awareness towards cardiovascular and other life style diseases. The Health Camp included full body check-up including Blood Tests, Diabetes Check-up, ECG and Lipid Profile, Blood Pressure and Urea Testing and so on. Eye and Dental Check-up were also conducted in the Health Camp, in vans from Rotary Eye Care Centre and Rotary Dental Centre. More than 50 ECGs were done on the day of camp.



Prof. Ramesh K. Goyal, Vice Chancellor, DPSRU delivering welcome address during inauguration ceremony



Release of Conference Souvenir of ICCS-2020 by Prof. Randeep Guleria, Director, AIIMS, New Delhi and other dignitaries during inauguration ceremony of ICCS-2020



Glimpses of Mega Health Camp organized in ICCS-2020

*If a window of opportunity appears, don't pull down the shade.*

- Tom Peters

The Camp included awareness sessions on Nutrition and Yoga, Workshop on Cardiac Resuscitation by Dr. K.K Aggarwal and Awareness on Menstrual Hygiene, including free distribution of Sanitary Napkins by SPER Women Forum. Over 300 participants learned the technique of Cardiac Resuscitation during the workshop. Over 500 people including, students, teachers of university and people from outside communities attended the Health Camp and got free health Check-up at DPSRU.



Dignitaries and Guests watching Nukkad Natak in Mega Health Camp

## 2. Distinguished Scientific Sessions with Awards and Orations

The scientific sessions of ICCS-2020 included 15 thought provoking sessions including lectures on translational research for cardiovascular injuries in the battlefield, medical devices for cardiac care, clinical cardiology cases, artificial intelligence and its applications in CV research, advances in nutritional interventions for cardiometabolic diseases.

There were more than 600 delegates that includes cardiologists and cardiovascular scientists from 12 countries including USA, Canada, Germany, Australia, Bulgaria, Saudi Arabia, Denmark and Holland. More than 250 abstracts from young investigators that includes researcher and students from pharmacy and medical colleges, national research organizations and hospitals. Keeping in mind the public healthcare a Health camp & Work shop for basic science has also been organized. To promote the research among investigators and young researchers, the scientific sessions are graced with 4 Orations, 25 Awards for Young Researchers and faculty are to be awarded.

The ICCS 2020 met the objectives of the IACS of promoting research, education and prevention of cardiovascular diseases. The conference covered not only a vast array of pertinent speaker sessions, but also a mega health camp for screening life-style disorders as well as sessions on Yoga and Nutrition to promote awareness and healthy lifestyle. The vastness of the conference can be gauged from the fact that at one end we are focusing on screening and promoting

promoting healthy lifestyle among general population and on the other end, we also have DRDO symposium on Translational Research in Battlefield Cardiovascular Emergencies. Keeping with the emerging and future trends, there is also a special focus on innovations in medical devices including smart gadgets, artificial intelligence and digital health. Eminent speakers from around the globe share their views and deliberate on complex issues and solutions regarding cardiovascular health.

Valedictory function was organised on 23rd Feb in the august presence of Dr. Dhananjay Sable, and Dr. N. Subramanian, Director, Indraprastha Apollo Hospital, New Delhi. Total 25 awards were given to young investigators including post graduate students for their best oral and poster research paper presentations.



Glimpses of Valedictory Function of ICCS-2020



**DISTINGUISHED GUESTS OF ICCS-2020**

 Shri Sanjeev Khirwar	 Dr. Randeep Guleria	 Dr. V. G. Somani
 Shri Ajay Dutt	 Shri Ajit Singh	 Shri Sanjay Aggarwal
 Dr. N. Subramanian	 Dr. K.K. Aggarwal	 Dr. N. S. Dhalla
		 Prof. C. C. Kartha



India Section

# DISTINGUISHED SPEAKERS OF ICCS-2020



Prof. N.S. Dhalla  
Canada



Prof. Pawan K. Singal  
Canada



Dr. Sanjiv Dhingra  
Canada



Dr. Buddhadeb Dawn  
USA



Dr. Lorrie Kirshenbaum  
Canada



Dr. Atul Abhyankar  
India



Prof. Vandana Patravale  
India



Prof. D. K. Agrawal  
USA



Dr. S. Vallurupalli  
USA



Dr. M.E. Yeolekar  
India



Dr. K.K. Agrawal  
India



Prof. Paul Ganguly  
Saudi Arabia



Dr. Naresh Bhatnagar  
India



Prof. Seth  
India



Dr. S. Bhattacharya  
India



Madhu Dikshit  
India



Dr. Krasimira Hristova  
Bulgaria



Prof. Shridhar Dwivedi  
India



Dr. Mohit Gupta  
India



Dr. Sandhya Sitasawad  
India



Prof. Tejal Gandhi  
India



Prof. Biju Soman  
India



Dr. Anil N. Gaikwad  
India



Prof. R. K. Goyal  
India



Dr. O.P. Yadav  
India



Dr. T. S. Kler  
India



Dr. N. Subramaniam  
India



Dr. Rajiv Aggrawal  
India



Dr. Ripen Gupta  
India



Dr. Rahul Chandola  
India



Dr. Ganesh Kumar Mani  
India



Prof. Trupti Swain  
India



Prof. D. Padmanabhan  
India



Dr. Rakesh C. Kukreja  
USA



Dr. Anil Gulati  
USA



Dr. Manju Popli  
India



Dr. Srinivas Gopala  
India



Dr. Manoj K Barthwal  
India



Dr. Thomas Jespersen  
Denmark



Dr. K.K. Sethi  
India



Dr. Y.K. Gupta  
India



Dr. Eswara Reddy  
India



Dr. Jay Prakash  
India



Dr. Suresh C. Tyagi  
USA



Prof. Suman Kundu  
India



Dr. Surya Ramachandran  
India



Prof. Anita Mehta  
India



Dr. S. Sumi  
India



Dr. Harpal S. Buttar  
Canada



Prof. Lindsay Brown  
Canada



Prof. Sukhinder Kaur Cheema  
Canada



Prof. Ipseta Ray  
Canada



Prof. Anuradha Majumdar  
India



Prof. Madhu Khullar  
India



Prof. Mahesh P. Gupta  
Chicago



Dr. Sanjay K. Banerjee  
India



Prof. Arunabha Ray  
India



Dr. Kaushik Ghosh  
India



Dr. Kavita Gulati  
India



Dr. Rajnish Sharma  
India



Dr. Suvo Chatterjee



Dr. Bhumika Patel  
India



Dr. Bharti Khanna  
India



Dr. Hari S. Sharma  
Netherland



Dr. Vipul Roy  
India



Dr. N. N. Khanna  
India



Dr. K.A. Mamun  
U.K.



Dr. Kunal Bose  
India



Dr. Shubash Guddati  
Singapore



Dr. H.N. Yadav  
India

Maj. Gen. S.S. Bhatia  
India

Dr. H.B. Mohanty  
India

Dr. P. Srivastava  
India

Surg Cmr S Narayan  
India

Dr. Sumati Randoe  
India

Dr. R.B. Singh  
Poland

Dr. Md. Iqbal Alam  
India

Dr. Khalid Khan  
India

*The first step towards getting somewhere is to decide you're not going to stay where you are.*

*- John Pierpont*

## Awards & Honors given in ICCS-2020 Conference

### IACS International Awards

Distinguished Leadership Award	:	Prof. Ramesh K. Goyal, New Delhi India
Distinguished Services Award	:	Prof. Harvinder Popli, New Delhi India
Lifetime Achievement Award	:	Prof. C. C. Kartha, Trivandrum, India
IACS Fellowship	:	Prof. Raja Babu Panwar, Jaipur, India
Prof. S. K. Gupta Oration	:	Prof. Buddhadeb Dawn, Las Las Vegas, USA
Prof. Rakesh Kukreja Oration	:	Prof. Vandana B. Patravala Mumbai
Prof. Buttar Oration	:	Dr Atul Abhyankar, Surat, India
Prof. Ramesh Goyal Oration	:	Prof. Lorrie A. Kirshenbaum, Winnipeg, Canada
SPARCS IACS (India Section) Distinguished Service Awards	:	Dr Mukesh Nandave & Dr Rajani Mathur
Vice Chancellor's Distinguished awards	:	Dr Ajit Thakor & Dr Rajiv Tonk



Prof. Goyal receiving Distinguished leadership Award



Prof. Popli receiving Distinguished Service Award



Prof. Raja Babu Panwar awarded with IACS fellowship



Dr. Rajani Mathur receiving Distinguished Service Award

### Awards to Faculty



Dr. Nandave receiving Distinguished Service Award



Dr. Sushama Talegaonkar being felicitated as Invited speaker in AKTU sponsored Faculty Development Programme (FDP) at NIET, Greater Noida

Dr. Parul Sharma was felicitated as “Guest Speaker” in 1st International E. Conference of Physiotherapists and Students, “YOUTH PHYSIO WEBICON- 2020” Organized by Haryana Chartered Association of Physiotherapist on 27th April, 2020.

## “Events at University

### Distinguished Guest Lecture and Interactive Session on prospects of collaboration with Chinese Universities



Distinguished guest lecture and interactive session on “Prospects of Collaboration with Chinese Universities” had been conducted on February 14, 2020 at Delhi Pharmaceutical Sciences & Research University (DPSRU), New Delhi. The lecture was arranged in order to spread purpose of MoU signing as well as the prospects & procedures of learning in the 1st Pharmacy university of World. To enlighten the bright career of students, Hon. Vice Chancellor, Prof. Ramesh K. Goyal, invited Mr. Shubhankar Mukhopadhyay, Ex-Public Relation Officer & P.G. student of China Pharmaceutical University (CPU), China.

In the inaugural function, Prof. Goyal, gave introductory remarks of invited guest Mr. Shubhankar Mukhopadhyay, CPU, China. Dr. Mahaveer Dhobi formally welcomed all the dignitaries present on the dais

colleagues & students. He mentioned about the significance of MoU and its aims about bringing together a core group of researchers from DPSRU, New Delhi. A total of more than 150 students participated from different departments of University. Mr. Shubhankar Mukhopadhyay gave an encouraging speech for the students as well as the prospects of learning in international universities. He also explained in detail about laboratory experiences, student life and research culture at CPU, China.

Dr. Mahaveer, coordinator of the event offered a vote of thanks and informed that the University looks forward to holding a potential workshop in order to inspire and prepare students to travel abroad as well as to learn about working communities and the technical possibilities of international universities.

### Workshop on “Issues and challenges for the Development of Phytopharmaceutical Drug”

Delhi Pharmaceutical Sciences and Research University (DPSRU) organized a workshop on “Issues and Challenges for the Development of Phytopharmaceutical Drug” on February 26, 2020 in the Board Room of the University.

The workshop was organized in association with University of Delhi, World Union for Herbal Drug Discovery Consortium and Hunan University of Chinese Medicine, China.

The event was inaugurated by Prof. Ramesh K Goyal, with Prof. Rajiv Aggarwal, Principal, Deshbandhu College, University of Delhi (DU); Prof. Veeranoot Nissapatorn, Walailak University (WU), Thailand; Prof. Harvinder Popli, offg. Registrar, DPSRU and other distinguished foreign dignitaries. The workshop started with an interactive session on “Significance of Phytopharmaceutical Drug Regulation in Quality and Safety Assessment” followed by a session on “Development of Phytopharmaceutical Drug Across the World”.

*Sharing knowledge ensures entry of new*

*– Pranav Acharya*

The panelists for the interactive session were Prof. Ramesh K Goyal, Vice Chancellor DPSRU, Prof. Vidhu Aeri, Jamia Hamdard and Dr. A. Najeerul Ameen, President, International Centre for Medical Education and Research, Prof. Veeranoot Nissapatorn from Thailand, Dr. Julius Meneses from Philippines, Prof. Vladimir V. Zarubaev from Russia, Prof. Chea Sin from Cambodia, Dr. Maria de Lourdes Pereira from Portugal, Dr. Mogana Rajagopal and Dr Chandramathi Raju from Malaysia. A total of 75 delegates including foreign participants, faculty members of DPSRU and DU and research scholars were presents during the workshop.

It was emphasized that phytopharmaceutical drug regulation is for quality and safety assessment of herbal drugs across the globe. Experts from various countries shared their views on Phytopharmaceutical Drug Development and its challenges. The workshop was ended with concluding remarks by Prof. Vidhu Aeri who also distributed certificates to the participants.



The vote of thanks was given by Dr. Mahaveer Dhobi with a special appreciation to Dr. Jaseela Majeed, DPSRU and Dr. Sunil Kayesth from University of Delhi who coordinated the workshop.

## Academic Success depends on Research and Publication

### PATENTS

**Ramesh K. Goyal, Manju Nagpal and Geeta Aggarwal. Stable Pharmaceutical Nasal Composition for Rhinorrhea. Indian Patent Application no. 202011007732.**

### PUBLICATIONS

- Bakshi H, Nagpal M, Singh M, Dhingra GA and Aggarwal G. Treatment of psoriasis: a comprehensive review of entire therapies. *Current Drug Safety*. 2020 [Epub ahead of print]
- Gupta M, Sharma V, Chauhan NS, Goyal RK. Amphiphilic Block Co-Polymer: A smart option for Bioactives drug delivery? In: *Advances and Avenues in development of novel carriers for Bioactives and biological agents*. Eds: Manju Rawat Singh, Deependra Singh, Jagat Kanwar, Nagendra Singh Chauhan. Academic Press. 2020. Paperback ISBN: 9780128196663.
- Gupta M, Raina N. Role of Angiogenesis in Wound Healing: Their impact in in Acute and Chronic Wound Healing In: *Endothelial Signaling in Vascular Dysfunction and Disease: From Bench to Bedside*. Academic Press (Elsevier Publishers). 2020. Paperback ISBN: 9780128161968.
- Jain K, Mehra NK, Jain VK, Jain NK. "Ch.6 IPN Dendrimers in Drug Delivery" in International Book "Interpenetrating Polymer Network: Biomedical Applications" Springer Nature Publisher, 2020; ISBN: 978-981-15-0283-5 (eBook), 143-182.
- Joshi K, Jain VK, Dhankhar K, Popli H, Jain K. "Respiratory Tract Function and Nutraceuticals" in International Book "Nutraceuticals for Prenatal, Maternal and Offspring's Nutritional Health: Recent Trends and Clinical Evidence" CRC Press, USA, 2020; ISBN: 9781138345829, 289-310.
- Jain P, Mirza MA, Talegaonkar S, Nandy S, Dudeja M, Sharma N, Anwer MK, Alshahrani SM, Iqbal Z. Design and in vitro/in vivo evaluations of a multiple-drug-containing gingiva disc for periodontotherapy. *RSC Advances*. 2020;10(14):8530-8538. Impact factor-3.0
- Sharma P, Goyal RK, Nandave M. A Review: Prevention, Treatment and Management of Tuberculosis through Combinational Approaches of Different Indian Systems of Medicine. *Drug Res (Stuttg)*. 2020 Feb;70(2-03):65-70. doi: 10.1055/a-1078-1087. Epub 2020 Jan 13. PubMed PMID: 31931549.
- Siddiqui L, Bag J, Mittal D, Leekha A, Mishra H, Mishra M, Verma AK, Mishra PK, Ekielski A, Iqbal Z, Talegaonkar S. Assessing the potential of lignin nanoparticles as drug carrier: Synthesis, cytotoxicity and genotoxicity studies. *International Journal of Biological Macromolecules*. 2020; 52:786-802. Impact factor-4.78
- Sharma Arun K, Bhatia Saurabh, Al-Harrasi Ahmed, Nandave Mukesh, Hagar Hanan. Crosstalk between GSK-3β-actuated molecular cascades and myocardial physiology. *Heart Failure Reviews* 2020, DOI: <https://doi.org/10.1007/s10741-020-09961-9>.
- Verma A, Nagpal M, Singh TG, Singh M and Aggarwal G. Improved efficacy of lovastatin from soluplus-PEG hybrid polymer based binary dispersions. *Current Bioactive Compound*. 2020 [Epub ahead of print].

*Experience, Exposure and Experiments transform a person into personality*

- Reya Govindani

# “Innovations in Fight against the Pandemic

With COVID-19 pandemic the need emerged for disinfection. Brajkush Industries Private Limited (2018), an Incubator at DIIF, DPSRU, founded by Mr. Kushagra Khanna and Mr. Prafulla Pant; came out with HOCL, a DCGI approved antiseptic with exceptional efficacy, safety and cost effectivity, promoted by the mentor’s lab as battlefield antiseptic (DRDO). They conducted R&D to convert and characterize it into a disinfectant and make it as secondary health product for rural sector where such products do not exist or have low penetration. Innovations are being optimized for the performance of these secondary HOCl products.

**The approach:** The chemical is produced through an electrolytic process just involving salt water and electricity. The safety and ‘green’ character of HOCl is obvious from the fact that WBC in humans and animals principally uses HOCL stored in lysosomes for killing germs in the blood.

**Status of the Product:** The product certified as useful by Department of Health, Australian Government and is developed and being marketed. During lock down period Brajkush Industries Pvt. Ltd. got order of 3000 L from DRODO, Ministry of Defence, New Delhi and in addition provided freed charge to university and nearby places.

HOCL is diluted and processed to develop various disinfectants. Many other brands under development are Power Ace (Surface Cleaner), Vejovis (Antiseptic), ClinAce (Hand Sanitiser), Urica Ace (Toilet Seat Sanitiser), Lima (Anti Cavity Mouthwash)



ClinAce (Hand Sanitiser)



Power Ace (Surface Cleaner)

भारत सरकार  
Govt. of India  
सूक्ष्म, लघु और मध्यम उद्यम मंत्रालय  
MINISTRY OF MICRO, SMALL & MEDIUM ENTERPRISES

MSME  
सूक्ष्म, लघु और मध्यम उद्यम  
MICRO, SMALL & MEDIUM ENTERPRISES

उद्योग आधार  
UDYOG AADHAAR  
Udyog Aadhaar  
MSME

**A**

Type of Enterprise	Micro	Small	Medium
Manufacturing	A	B	C
Services	D	E	F
UAM No.	DL07A0001231		

**Udyog Aadhaar Registration Certificate**

Udyog Aadhaar Number DL07A0001231  
Name of Enterprise BRAJKUSH INDUSTRIES PVT LTD  
Location of Plant Details

Flat/Door/Block No.	Name of Premises/Building Village	Road/Street/ Lane	Area/Locality	City	Pin	State	District
5th Floor	Delhi Pharmaceutical Science and Research University	Sector 3 Pusp Vihar	Meharauli Badarpur Road	New Delhi	110017	DELHI	NEW DELHI

## #DIIF Against COVID 2019



DPSRU Innovation & Incubation Foundation  
funded start-up  
Holycon Innovation Pvt. Ltd.

HOLYCON INNOVATION  
Commitment for health  
launches

**"IMMOSAN"**  
An Alcohol based hand sanitizer

MORE THAN  
**15000**  
UNITS SOLD IN  
WEST BENGAL

Incubator of DIIF have prepared HOCL based disinfectant and hand sanitizer, and alcohol based hand sanitizers:

**DISINFECTANT : POWERACE ( HOCL BASED )**

**HAND SANITIZER : CLINACE ( HOCL BASED)**

Incubatee : Brajkush Industries Pvt. Ltd.

**HAND SANITIZER : IMMOSAN ( ALCOHOL BASED)**

Incubatee : Holycon Innovation Pvt. Ltd.

*Optimism is the faith that leads to achievement.  
Nothing can be done without hope and confidence.*

- Helen Keller



## Research to Fight against the Pandemic

### Developing Herbal formulations from plants collected from Aravali Hills Biodiversity, New Delhi

Prof. Ramesh K. Goyal with Dr. Mahaveer Dhobi and Dr. Jaseela Majeed had a meeting with Dr. Babu, Chief of Aravalli Hills and Former Vice Chancellor of Delhi University to identify various plants that can be used for prevention and treatment of COVID-19.

- The plants were selected on the basis of discussion with scientists of biodiversity park, ethnopharmacological knowledge and available standard literature.
- Samples of plant *Croton bonplandianum*, *Euphorbia prostrata*, *Solanum nigrum* are prepared in the laboratory and are ready for the screening.
- Sample preparation of other plants has been in process in the laboratory.
- Communicated with virology labs like National Institute of Virology, Rajiv Gandhi Centre for Biotechnology (RGCB), for the antiviral screening of samples.

The team is now working to develop appropriate formulation that can be marketed for prevention and treatment of COVID-19.



Meeting with Prof. C R. Babu and other scientists of Aravalli Biodiversity Park, New Delhi



#### Details of potential plants ready to be screened against COVID-19

Sr. No.	Plant name	Part used for extraction	Virus against which activity reported
1	<i>Acalypha indica</i>	Whole plant	VSV, herpes simplex virus type-1
2	<i>Croton bonplandianum</i>	Leaves	Bean common mosaic virus (BCMV)
3	<i>Euphorbia prostrata</i>	Whole plant	HIV-1
4	<i>Lantana camara</i>	Leaves	Influenza A virus
5	<i>Rhcinus communis</i>	Leaves	HSV, VSV, herpes virus
6	<i>Solanum nigrum</i>	Seeds and leaves	HCV virus

Never lose hope. Storms make people stronger and never last forever.

– Roy T. Bennett

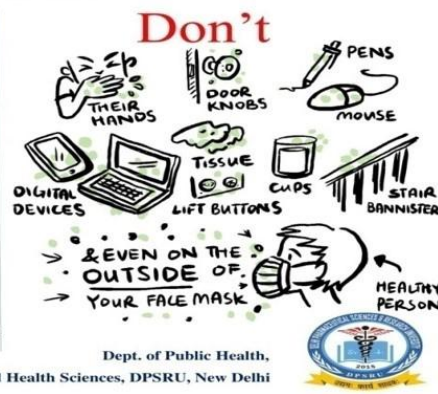
# “Community Services to Fight against the Pandemic

## Awareness Program on Corona Virus (COVID-19)

On 6th March, 2020 Awareness on prevention and spread of corona virus was conducted for Diploma (D.Pharm) and UG (BPT, B.PHARM) students of University. The program included Demonstration of Preventive Interventions like frequent hand wash, Respiratory Etiquette by Master of Public Health and Master of Hospital Management students. Special Awareness session was organized with demonstration to Sanitation Workers of the University along with Practical Awareness session and distribution of pamphlets by Vice Chancellor to faculty, staffs & students. In addition to it Awareness to public in the nearby bus stand , Auto stand and people waiting in bus stop was also conducted followed by concluding session by Hon'ble Vice Chancellor Sir.

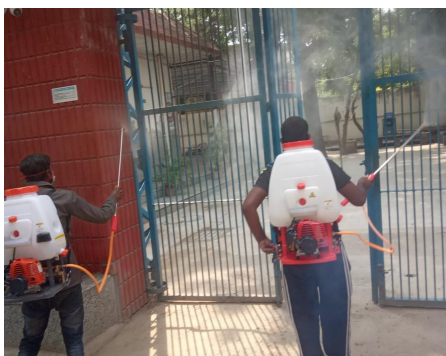


### Corona Virus



## Regular Sanitation of University Campus

According to World Health Organization (WHO) "The provision of safe water, sanitation, and hygienic conditions is essential to protecting human health during all infectious disease outbreaks, including the COVID-19 outbreak. Ensuring good and consistently applied WASH and waste management practices in communities, homes, schools, marketplaces, and health care facilities will help prevent human-to-human transmission of the COVID-19 virus" Keeping this in mind DPSRU has begun with following the sanitation practices in and around the university campus. All the areas in addition to the building including hostels, canteen, residential area are regularly sanitized in order to prevent the corona virus infection.



Awareness is a key ingredient in success. If you have it, teach it, if you lack it, seek it.

- Michael Kitson

# “Time does not stop Replanning in Academics

## FACULTY AND STAFF MEETING UNDER THE CHAIRMANSHIP OF PROF. R. K. GOYAL

The vice chancellor of the university, Prof. R. K. Goyal had six online meetings with faculty and staff members of DPSRU alongwith 20 meetings with different classes of university. Following were the deliberation of the discussion.

### Online Teaching/Academic Planning for students especially for B. Pharm. Sem VIII, BPT Sem. VIII, & M. Pharm.

It was decided to have online classes of students by faculty members using various portals/ technologies/ apps like Cisco webEx, zoom meeting, WhatsApp chat room, assignments and report writing etc. Syllabus of almost all the classes to be completed by 2nd week of May, 2020.

- It was decided to extend the period of appointment of Guest Faculty and Temporary Faculty (Hourly Basis) with following conditions:
  1. To complete the syllabus,
  2. Submission of the Internal marks based on Online examination/MCQs/assignment based, and
  3. Submission of documented proof of having conducted the classes with attendance.
- It was decided that one internal examination (Theory) will be based on Online examination/MCQs/ assignments, whereas 1st internal practical examination for almost all classes were completed before lockdown for a few papers which could be completed. The 2nd internal theory examination and end semester examination will be conducted after one week and one month, respectively, after opening of the university.
- Duties were assigned to faculty members for submission of Internal Examination Results before 25th May, 2020.
- All faculty members were requested to conduct online classes/sharing of material with students of their subjects using different tools.
- The faculty was advised to cover as much syllabus as early as possible through online classes/ assignments/ sharing of notes or presentations.
- It was directed to take feedback in the google forms from students to check if they are satisfied with these ways to complete syllabus
- All class coordinators prepared the schedule for online classes and attendance is being recorded by faculty for each such class.

### Preparation for NAAC and NBA accreditation

The Vice Chancellor assessed and shared the parameters required to be presented before going for NAAC considering the new guidelines for Health Sciences (Criteria 8). It was decided to invite Volunteering from faculty having previous experience and or willingness to contribute. It was discussed to prepare a detail plan and resume once the situation normalizes with respect to academic session 2019-20.

### General Staff Progress and Welfare

All the faculty and staff were directed to submit the APAR

- Annual Performance Assessment Report, Immovable Property Returns and Health Status of regular Faculty and Staff belonging to Group A and B (Both DIPSAR & DPSRU). It was decided to constitute the Medical Board with inclusion of Dr Priyanka Sonam (Medical Officer) for our University staff.

### Finalization and Printing of various documents like Pharmannual, Prospectus, Coffee Table Book, Vision 2030

- **Pharmannual** – The notice for distribution of part to be prepared by different faculty was circulated and All the staff members were requested to send their inputs to respective member. Most staff members have started to give their write ups. Faculty members have also given suggestion regarding preparation Pharmannual like inclusion of group photo of All Faculty; inclusion of a separate write up for University Attempt for COVID 19 Fight.
- **Prospectus** – The tentative format of the prospectus was circulated. Suggestions were given by faculty members like inclusion of List of Scholarships available; A Format for OBC certificate and Ethics part under the Section DISCIPLINE.
- **Coffee Table Book Preparation** – The First draft shared by Mrs. Yogita, Asst. Librarian, was reviewed by all. Following additional suggestions are to be included like; There should be more graphical presentation in addition to specific achievements of the University, The University Firsts and overview of School of Physiotherapy & other schools.
- **Vision 2030** – It was suggested to prepare such document for specific plans for each School and Department.

### Printing of Act, Statutes and Ordinances, syllabi, Policies of the University like IPR Policy, Consultancy, E-policy, MoU policy etc.

Dr. R. C. Khatri highlighted progress of the work. it was suggested by Prof. Pathak that the syllabus may maybe seen by the subject experts. The Cover pages may be designed by professional artist. Printing of Act, Statutes, Ordinances and Policies of the universities is to be undertaken by Dr. Madhu with Dr R. C. Khatri in the similar fashion as Syllabus.

### Program to contribute toward Nation by joining the Fight against COVID-19

As a part of DPSRU endeavour to contribute the fight against COVID 19, one of our start up, Brijkush Ltd., got an order for 3000 litres of disinfectant by the Ministry of Defense. Also from DPSRU with the help of Rotary Club, Free Food and disinfectants were given for the distribution in the community. A "DPSRU Natural Calamity Relief Fund" will be formulated.

### Pharmacy Museum & Medicinal Garden

More inputs received. We will resume once the situation normalizes with respect to academic session 2019-20.

# “ Time does not stop Replanning in Research

**"Be the change you want to see in the world" - That's what we believe!**

We at DPSRU University can not let our students pause when it comes to their academic performance this is the reason why our faculty members are employing Techniques/ICT tools/online methods to teach students from their home.

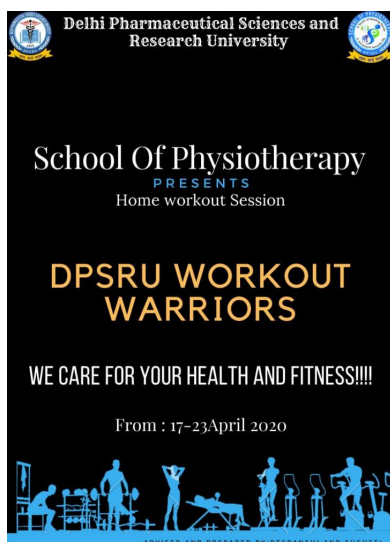
The decision taken by the University to take online classes befitted the second option for Dr. Abhilasha Abhay Gupta. It was challenging for her as it was a new feature of technology and the process of learning got reversed. She says "I became the student and my students guided me as to how to take classes online and everytime I was learning new features" She soon moved up and reached the 5th step of the SARAH principle of Change Management she added. S-shock, A-anger, R-Rejection, A-acceptance and H-healing. Healing, that is growth, learning and moving on. In no time, she felt as if this methodology of teaching was so easy and effective. This helped her completing the syllabus, guiding students in project work and meeting all deadlines. To conclude she added a quote by Albert Einstein "Do not grow old no matter how long you live. Never cease to stand like curious children before the Great Mystery into which we were born".

Prof. S. Wakode shared the e-copy of different books of Pharmaceutical sciences which were later compiled by Dr. Rajiv as google drive alongwith some books for Physiotherapy and School of Allied Health Sciences.

All the faculty members of different Schools and Departments including Dr. Richa, Dr. Sushama, Dr. Madhu, Dr. Keerti, Dr. Geeta, Dr. Ajit, Dr. Shilpa and all others conducted classes on web portal and used Digitally empowered learning environment, youtube lecture series, ICT tools for our students at DPSRU. Thus both Formative and Summative Assessments were conducted using Learning Management system.

## Home Workout Session

"Healthy citizens are greatest asset any country can have" with this feeling, School of Physiotherapy, DPSRU decided to design the home workout program to motivate the staff members and students to do workout daily for physical fitness and to improve the mental health and relieve stress, if any. BPT 4th Semester students Deepanshi and Susheel, under the guidance of Dr. Shilpa Jain



designed 7 daysdays workout program, that were floated in the form of PDF files daily, introducing simple exercises for different area of body day wise from 17th – 23rd April. 2020. This initiative was not only appreciated by the staff members but also by the parents and relatives of students.

## DPSRU - WCSC Organized e-Workshop on Graphic Designing Tools



On 24th April 2020 this e-workshop was organized to aware the trainees and enhances their communication mode with other people via means of posters, videos, animated design and many more. The whole program was coordinated by Master trainer Dr. Jitendra Chauhan, and hosted by Mr. Pranay Kumar, Sports fitness and yoga application. It serves to convey ideas in a way that is not only effective, but also beautiful and attended by about 40 participants. The workshop was chaired by Dr. Madhu Gupta, Offg. COO, DPSRU-WCSC & Ms. Archana Arora, Master trainers of WCSC also joined this event. The total no. of participants was forty. Mr. Pranay Kumar, explained about the basics of graphic designing tools, discussed in detail about the need and importance as well as practical demonstration. How we can effectively communicate the message to the target audience using tools of visual communication. The workshop ended with a question answer round based on the topic of the workshop with smile on the face of all participants. The students really appreciated the workshop and learnt new techniques/skills especially useful for Sports digitalization and Performance Management.

## QUARANTINE - BOOSTING HEALTH, FITNESS & BEAUTY TIPS, FROM AFAR

"World Class Skill Centre (WCSC)" of Delhi Pharmaceutical Sciences and Research University planned a program using online available tools i.e. "Quarantine- Boosting Health, Fitness & Beauty tips, from afar". In this program we came up with the daily basis yoga, fitness and beauty tips in the form of posters, PDF's and videos which was prepared and designed by the students of WCSC-DPSRU courses (Sports Fitness and Yoga Application, Sports Digitalization and Performance Management as well as Beauty Wellness Consultant courses).

WCSC-DPSRU also organized an online yoga session on 5th May,2020 in which the chief guest was our Hon'ble

# “ Together we can bring the change

Vice Chancellor sir and the yoga session was conducted by one of our WCSC student. This program was solely based on creating awareness on health and lifestyle as during this lockdown we all might be glued to the television screens, mobile phones or computer screens. WCSC-DPSRU is also planning to launch more such online programs on university level as well as for public also.



## National Service Scheme (NSS)

We all, at National Service Scheme (NSS) of Delhi Pharmaceutical Sciences and Research University believe on the NSS motto “Not me but you” and with this belief our university began with constituting a team of like minded volunteers



from all the batches and all the course offered by our university under the support and guidance of Dr. J. Swaminathan, NSS Coordinator and Prof. Rajiv K. Tonk, Programme Officer. We have, till date, more than 300 volunteers and still counting. Amid increase in severity of COVID-19 in India, NSS DPSRU contributed its part by conducting a Online COVID-19 Awareness Campaign where students shared their creative work, undertook a



Art submission by NSS Volunteers during COVID-19 Awareness Drive

quiz accessing their knowledge and awareness along with that we made an awareness video clip incorporating images and short video clips of students and faculty of DIPSAR and DPSRU. We are active on social media platforms such as facebook and share our day to day activities over there so that each and every member of DPSRU family can be benefited with the same. We all at NSS stick to laws and our responsibility for the same and we will continue to be so and contribute towards the well being of nation as far as we can.

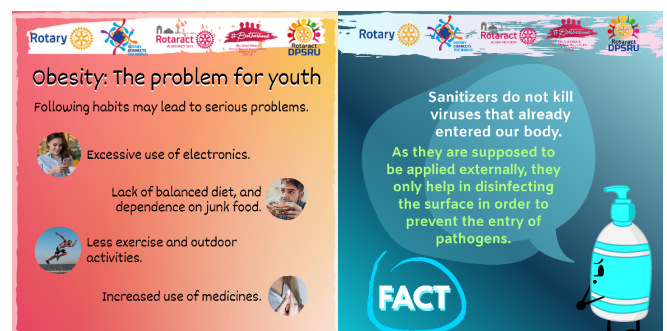
## Rotaract Club

Rotaract Club of DPSRU took an initiative to educate all college students on the novel coronavirus in the month of March when Covid-19 caused lockdown in Delhi. Over 50 posts, busting myths and giving out facts were shared on our Instagram and face



-book handles to create awareness. In such a crucial period, it is very important to maintain ones health and hygiene, which motivated us to educate people on the importance of healthy diet and exercise through our online project “Med/Ex Diet”. In continuation, “Fitness Mantra” was launched to promote exercise and workouts at home, when gyms were closed due to the lockdown.

Quarantine is incomplete without fun and games, that motivated us to conduct PUBG tournament and other engaging activities for enthusiastic students that gave a room for developing friendship and recreation and gaming skills. On 22nd April, RaC DPSRU celebrated Earth Day by conducting a DIY competition; winners were announced soon. The quarantine is bringing out the best in all of us, keeping that in mind RaC DPSRU presented “Bon Appetite” where participants were asked to upload their dishes with its cooking recipe and tag us on their Instagram story. An article writing competition on “Effects of quarantine on you/world” was also conducted. Another friendly PUBG tournament was held on 26th and 27th April that saw participation from other Rotaract Clubs and cash prizes upto ₹600 were given to the winners.



*I want to inspire people to their potential of greatness*

- Kim Butler

# “ All for one, one for all

## Verve - The Literary Society

Verve is a bunch of literature addicts with eloquent literary golden wings. It takes at least a few good words to make an amazing sentence, and it'll take lots of great people to make an amazing event, "Pencraft"- **Creative writing workshop** instructed by Mr. Chetanya Kapoor was a wondrous event on 5th February, 2020. The flamboyant and enigmatic charm of its members stand out among others as Verve participated actively in the **anchoring events of "The National Pharma Fest"** held at DPSRU. A **"CV Writing Workshop"** was conducted by Verve's President Ms. Ankita Gaur to indoctrinate the members about various aspects to enter into the professional world. During the lockdown period, an online activity, **"Idiom-a-day"** was conducted in which students diligently engaged and made it an overwhelming success.

## Aakriti - The Art Society

Aakriti participated in the making of India's very first Pharma Fest organised at DPSRU. The decorations at large were done by the members of the society. May it be the auditorium or the corridors of the university, the entire campus was beautifully decorated by the members.

## Paridrishya -The Photography Society

Paridrishya unabated covered International Conference of Cardiovascular Sciences (ICCS) 2020 held in DPSRU from 21 February to 23 February. We also successfully collaborated with Panacea - The pharma fest hosted by IPGA as their official photography partners. The team of Paridrishya also displayed their collection of photographs throughout the year at their 1st annual exhibition "pixels" on 29 Feb and 1st March.

## Raag - The Music Society

Raag performed at the International Conference of Cardiovascular Sciences (ICCS-2020) and it was appreciated by all the esteemed guests and in the musical feels they couldn't resist themselves to grab the mic and sing! It was indeed an adorable moment. We are happy to share that Lockdown didn't stop us! Raag's member Ms. Riya Tickoo went live for her music performance with number of online platforms like Asli ChatarPatar, The Wellness Circle, Advaita bennett etc in addition to it she secured second position in an Online Music competition by Vit Music Club.

*I want to inspire people to their potential of greatness*

*- Kim Butler*

## Scan Me Checkout social media pages!



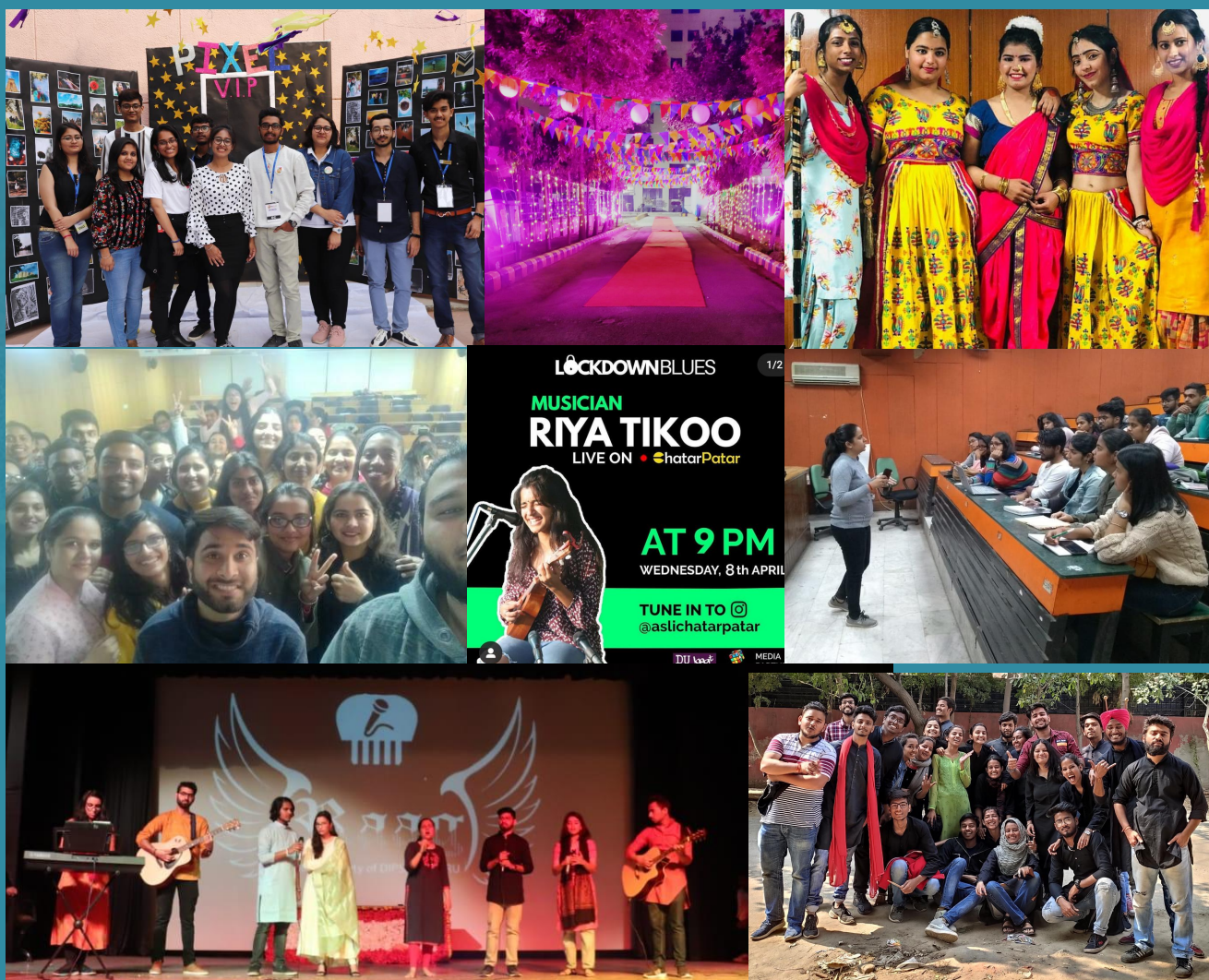
## Malang - The Dance Society

Malang came up with a campaign called shake it up in which we have uploaded videos for making this lock down more interesting and this campaign was especially for the beginners who love to dance but don't know how to dance. The dance videos were made by our society members which was then followed by others. We take a great pride in sharing that the response was just immense. Besides this, we also performed at the international Conference held at our college in February in which we had given solo classical dance performance and one group dance showing cultural diversity of India.

## Fitoor - The Dramatics Society

Fitoor performed their annual production for 2019-2020, The-Lit in the first pharma fest of DPSRU - Panacea. They performed in connaught place for Manthan-India's largest street theatre festival by CBS, recorded the original songs from our annual production for nukkad ki aawazein, gave the public performance at Dilshad Garden under Adaakari- the annual theatre festival celebrated by Memesis- the Theatre society of Daulat Ram College, performed in UDAAN'20 (Unfolding Drama & Acts to Awaken Nation), Madari'20 India and Sagar Nagpal Memorial Nukkad Natak competition organised by Jazba theatre group, participated in the nukkad natak event of various colleges such as Satyawati college, Maharaja Agrasen institute of management studies (MAIMS), Deen Dayal college (DDC), Bharti college, Swami shraddhanand college to name a few. Fitoor brought laurels to university by getting selected for Nukkad natak finals of many colleges but all got cancelled due to unavoidable COVID19. They were shortlisted for the final stage of e-live polling of LaMeandro University people's choice award organized by festmate and also got featured on the Manthan SSCBS YouTube channel along with Season 7 of Be on the street (BOTS) festival organized by v4v india and last but not the least they got the chance to submit their annual film production in the Moon Film Festival 2020 by MoonTV

# “ Students' Corner



## Acknowledgement

Newsletter Editorial team acknowledges the contribution of all the staff members of DPSRU

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