

# ANNUAL REPORT 2023



भारत 2023 INDIA

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आज़ादी का  
अमृत महोत्सव



## KIRORI MAL COLLEGE UNIVERSITY OF DELHI

NAAC Accredited A++ Grade with 3.54 CGPA, Cycle 2

011-27667861

| [www.kmcollege.ac.in](http://www.kmcollege.ac.in)

| University of Delhi, Delhi – 110007





**Principal's Annual Report**

*Annual Day*  
**30<sup>th</sup> April 2023**



**Prof. Dinesh Khattar  
(Principal)**

## **PRINCIPAL'S ADDRESS**

### **The Annual Day 2023**

Namaskāra,

It is a matter of great joy for an institution or an academic body that the students who are enrolled or who have been taught are given a day, fully dedicated to celebrate their hard work, commitment and dedication when their achievements are certified, acknowledged and awarded. Today is that very day, which we call the Annual Day of the College, when we all gather to see together the exuberance and high flying energy of all our young and talented minds, preparing themselves to touch any height of success in present as well as in future, and determined to bring a number of accolades and laurels to their alma mater without any doubt.

As we all know about the global pandemic of Covid-19 which took over all the countries of the world in its grip, it was only last year February 2022 onwards, we were able to meet our students in person. It's not that the pandemic has only harmed or destroyed the humanity in many ways, but, in fact, it has also taught us many lessons to learn from life. It has taught us that life is transitory so there's no need to hurry or worry for anything. The best way as ever has been to live the present moment and try to do as many good things to people as one can. To engage in any kind of hatred or blame-game is not just futile but also an unnecessary step which all of us should get away with. What's, in reality, necessary is to be total in every moment that passes by. It is this totality of 'being' in a work that makes it a worship. And when work becomes worship, the result is nothing but ecstasy, the ecstasy which translates itself into everlasting happiness, which all of us are searching in life. And this has been a great message from our own very soil, which is condensed in Bhagwana Sri Krishna's Gita as –

**Karmaṇyevādhikāraṣṭe Mā Faleṣu Kadācana,  
Mā Karmaḥalāheturbhurṃā Te Saṃgo'stvakarmaṇi.**

Apart from the messages that cautioned every human being to be conscious of his/her health and make sanitizer and mask a part of his/her daily life, the Covid- 19 brought our attention to many new dimensions which have now become common affairs of our day-to-day life style: be it an on-line meeting or using digital interface for communication or conducting our classes or workshops through hybrid mode or using different social media platforms for disseminating information or so on and so

forth. When, last year, we came to offline mode from online, and at sometimes we have been both online and offline, it became very difficult for the teachers as well as the students to cope up with the new situation. It was very arduous, strenuous and challenging. But all our teachers and students did their best and came out of this whole new mess successfully.

I would like to thus congratulate all the teachers who have put in all their energy to make the teaching-learning process as smooth as possible in the moment of utter crisis as we faced in recent years. You all have given all your time without asking anything extra in return. You all have sacrificed your summer vacations. You all have gone beyond all measures to help our students. The College would like to salute you all and would like to express that it's you who have made what KMC stands today –

### **Tall, Towering and Tempestuous Cautioned, Composed and Continuous**

The College has gone through a massive change and shift in terms of its faculty strength and promotion of teachers in the span of last one year. We have done appointments on permanent basis very quickly and today we are about to finish all of them very soon. We have done 91 permanent appointments till date. Promotions of teachers also being the top priority, I would like to say it with a great proud feeling that there's no pending promotion of any of our faculty members till date. We have right now 33 Professors, 57 Associate Professors along with every eligible teacher having been promoted from one stage to the other senior stage.

The College library has now become the best place to cherish the world with books available in physical as well as in e-forms. The additional top floor in the library building has helped us in many other facilities library is able to provide now-a-days. The College has also done great in terms of electricity by installing many solar panels on the top of the Heritage Building. The College is now DBT Star College among all Delhi University colleges and is also known for CDRT, a Centre for Disability Research and Training, which is run by Prof. Someshwar Sati, the 1st Professor of English Department of our College.

One of the best achievements that the College had in the last academic year 2022- 23 has been the accreditation by NAAC in the month of December 2022. It's something which not only I but every Kirorian would like to say proudly that KMC has taken us ahead from its 1st Cycle of Accreditation. So, KMC is now A++ with 3.54 CGPA.

When I say KMC is A++, I want everyone not to forget that we have got this grade when we are yet to have a Girls' Hostel and the renovation of our Auditorium. You can imagine the growth of KMC in time to come when we will have both of them. I'm sure KMC will take a quantum leap in all India rankings. Further, we have also improved our NIRF taking from Top 20 to Top 10. At present, we are one of the best and premier institutions of the country which students wish to get admission in.

Amidst all this happiness, I further state that the Alumni Meet 2023 has also been a great success when we were able to enliven the feeling of nostalgia among all our Alumni after a long gap of 6 years after 2017. With a heavy heart, I remember the sudden departure of one of our most cherished Alumni, Shri Satish Kaushik Ji, who has been very supportive and active in bringing back the glory of Auditorium. But I can feel his energy every time which will be guiding us throughout and his dream project of the KMC Auditorium will be accomplished in near future. I also remember KK, one of the best playback singers KMC has ever produced and Hindi Cinema has ever known in its history.

Friends, nothing is impossible for a Kirorian. I know the KMC has produced the Best of the Best talents that are engaged in serving the Nation and the Globe around the world. It is a dream of every Kirorian which we are committed to fulfil that the KMC Auditorium after its renovation be inaugurated by our Mega Alumnus, Shri Amitabh Bachchan ji, who has always been supportive and expressed his cordial gesture to the College every time without fail.

With these words, let's celebrate our work, our commitment and our dedication to ourselves, our college and our society.

Jai Hind! Jai Bharata!

**(Prof. Dinesh Khattar)**  
**Principal**

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i. Department of History	
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# Academic Awards

## Academic Awards

Sr. No.	Name	Exam. Roll No.	CGPA	Course
<b>UNDER-GRADUATE STUDENTS</b>				
1	ANOUSHKA HOODA	19036510007	9.689	B.A.(H) Economics 3 <sup>rd</sup> Yr.
2	ABHIPSITO DAS	19036511003	7.959	B.A. (H) English 3 <sup>rd</sup> Yr.
3	BISTIRNA SAIKIA	19036513013	9.365	B.A.(H) Geography 3 <sup>rd</sup> yr.
4	UMESH KUMAR	19036516045	8.662	B.A.(H) Hindi 3 <sup>rd</sup> Yr.
5	DAKSH YADAV	19036518033	7.851	B.A. (H) History 3 <sup>rd</sup> Yr.
6	SAKSHI SEMWAL	19036527182	8.500	B.A.(H) Political Science 3 <sup>rd</sup> Yr.
7	ANJALI KAMAKSHI	19036529006	8.635	B.A. (H) Sanskrit 3 <sup>rd</sup> Yr.
8	ARSHI NAAZ	19036533018	8.068	B.A.(H) Urdu 3 <sup>rd</sup> Yr.
9	PADMA ANGMO	19036556026	9.257	B.Sc.(H) Botany 3 <sup>rd</sup> Yr.
10	TARNIJA MIDHA	19036557090	9.797	B.Sc. (H) Chemistry 3 <sup>rd</sup> Yr.
11	VIDHITA	19036563068	9.865	B.Sc. (H) Mathematics 3 <sup>rd</sup> Yr.
12	DIVYA	19036567042	9.486	B.Sc. (H) Physics 3 <sup>rd</sup> Yr.
13	TULIKA	19036568037	9.595	B.Sc. (H) Statistics 3 <sup>rd</sup> Yr.
14	JATIN PAL	19036569009	8.797	B.Sc.(H) Zoology 3 <sup>rd</sup> Yr.
15	PRACHI SHARMA	19036504058	9.216	B.Com. (H) 3 <sup>rd</sup> Yr.
16	DHRUV WADHWA	19036501050	8.364	B.A. (Prog.) 3 <sup>rd</sup> Yr.
17	AKSHITA SAGAR	19036503007	9.121	B. Com. (Prog.) 3 <sup>rd</sup> Yr.
18	SHUBHAM DAGUR	19036585027	9.318	B.Sc. (Prog.) Anal. Chemistry 3 <sup>rd</sup> Yr.
19	DOLAR	19036583007	9.621	B.Sc. (Prog.) Life Science 3 <sup>rd</sup> Yr.
20	BALKRISHAN MISHRA	19036582020	9.667	B.Sc. (Prog.) Physical Science (with Chem.) 3 <sup>rd</sup> Yr.
21	DEEPAK KUMAR SINGH	19036582104	9.455	B.Sc. (Prog.) Physical Science (with Comp. Sc.) 3 <sup>rd</sup> Yr.
<b>POST-GRADUATE STUDENTS</b>				
22	SUMIT SAGAR	20036745012	8.580	M.Sc. Botany Final Yr.
23	KUNIKA	20036746030	8.750	M.Sc. Chemistry Final Yr.
24	AGRIMA DUDEJA	20036758002	9.143	M.Sc. Mathematics Final Yr.
25	MANSI ARORA	20036761016	8.950	M.Sc. Operational Research Final Yr.
26	KM CHANCHAL	20036762024	7.950	M.Sc. Physics Final Yr.
27	SHILPA NANDI	20036766010	8.532	M.Sc. Zoology Final Yr.
28	JAHNAVI VAID	20036708008	7.446	M.A. English Final Yr.
29	SUDHIR	20036713024	7.500	M.A. Hindi Final Yr.
30	TANYA SINGH	20036716023	7.938	M.A. History Final Yr.
31	NITIN GUPTA	20036724029	7.300	M.A. Political Science Final Yr.
32	ATISH KUMAR ARYA	20036728009	8.744	M.A. Sanskrit Final Yr.
33	MOHAMMAD HATIM RAZA	20036732021	8.235	M.A. Urdu Final Yr.

## Academic Awards

Dr. N S PRADHAN AWARD				
1	ABHIPSITO DAS	19036511003	7.959	B.A. (H) English 3 <sup>rd</sup> Yr.
2	UMESH KUMAR	19036516045	8.662	B.A.(H) Hindi 3 <sup>rd</sup> Yr.
3	ARSHI NAAZ	19036533018	8.068	B.A.(H) Urdu 3 <sup>rd</sup> Yr.
4	JAHNAVI VAID	20036708008	7.446	M.A. English Final Yr.
5	ANJALI KAMAKSHI	19036529006	8.635	B.A. (H) Sanskrit 3 <sup>rd</sup> Yr.
Dr. N SUBRAHMANYAM AWARD				
1	DIVYA	19036567042	9.486	B.Sc. (H) Physics 3 <sup>rd</sup> Yr.
2	KM CHANCHAL	20036762024	7.950	M.Sc. Physics Final Yr.
Sh. N. S. KHARE AWARD				
1	DIVYA	19036567042	9.486	B.Sc. (H) Physics 3 <sup>rd</sup> Yr.
Dr. Y N BHATT AWARD				
1	SHREYANSH ANKIT	21036511062	8.230	B.A.(H) English 1 <sup>st</sup> Yr.
Sh. JAI DEV AWARD				
1	JATIN PAL	19036569009	8.797	B.Sc.(H) Zoology 3 <sup>rd</sup> Yr.
Sh. GANGA SARAN AWARD				
1	AMAN FALOR	20036510005	9.250	B.A. (H) English 2 <sup>nd</sup> Yr.
SULTAN CHAND MEMORIAL AWARD				
1	KAVISH PRANAV SHAH	20036504068	9.570	B. Com. (H) 2 <sup>nd</sup> Yr.
SULTAN CHAND DROPADI DEVI MEMORIAL AWARD				
1	SANIA MALHOTRA	21036504129	9.00	B.Com. (H) 1 <sup>st</sup> Yr.
Sh. OM PRAKASH MEMORIAL AWARD				
1	DAKSH YADAV	19036518033	7.851	B.A. (H) History 3 <sup>rd</sup> Yr.
2	VANSHIKA PODDAR	20036518059	7.820	B.A.(H) History 2 <sup>nd</sup> Yr.
3	PREYA PAWAR	21036518037	7.770	B.A.(H) History 1 <sup>st</sup> Yr.
Prof. B B SARKAR MEMORIAL AWARD				
1	SAKSHI SEMWAL	19036527182	8.500	B.A.(H) Political Science 3 <sup>rd</sup> Yr.
2	SANYA AHUJA	20036527084	8.040	B.A.(H) Political Science 2 <sup>nd</sup> Yr.
3	ISHANI GARG	21036527041	8.320	B.A.(H) Political Science 1 <sup>st</sup> Yr.
Dr. B D SYNGLE MEMORIAL AWARD				
1	ABHIPSITO DAS	19036511003	7.959	B.A. (H) English 3 <sup>rd</sup> Yr.
2	AMAN FALOR	20036510005	9.250	B.A. (H) English 2 <sup>nd</sup> Yr.
3	SHREYANSH ANKIT	21036511062	8.230	B.A. (H) English 1 <sup>st</sup> Yr.
Dr. V P SHARMA MEMORIAL SCHOLARSHIP IN CHEMISTRY				
1	TARNIJA MIDHA	19036557090	9.797	B.Sc. (H) Chemistry 3 <sup>rd</sup> Yr.
2	RADHIKA SHARMA	20036557104	9.500	B.Sc. (H) Chemistry 2 <sup>nd</sup> Yr.
3	ISHITA	21036557028	9.320	B.Sc. (H) Chemistry 1 <sup>st</sup> Yr.

**Academic Awards**

<b>Dr. V P SHARMA MEMORIAL SCHOLARSHIP IN MATHEMATICS</b>				
1	VIDHITA	19036563068	9.865	B.Sc. (H) Mathematics 3 <sup>rd</sup> Yr.
2	DEEPAK YADAV	20036563031	9.710	B.Sc. (H) Mathematics 2 <sup>nd</sup> Yr.
3	HIMANSHU	21036563044	9.730	B.Sc. (H) Mathematics 1 <sup>st</sup> Yr.



Many luminaries who have benefited our society with their skills and expertise came from Kirori Mal College. The IIT-JAM MS and Indian Statistical Service exams were successfully passed by the following college students. In the annual report for 2023, the college is honoured to include them.

<b>Sr. No.</b>	<b>Name</b>	<b>Course</b>	<b>Rank</b>	<b>Examination</b>
1	DHRUV AGGARWAL	B.Sc. (Hons.) Statistics (2020-2023)	28	IIT-JAM MS
2	LAGAN GUPTA	B.Sc. (Hons.) Statistics (2020-2023)	43	IIT-JAM MS
3	Shreya Aggarwal	B.Sc. (Hons.) Statistics (2016-2019)	9	Indian Statistical Service



***ACADEMIC  
CREDENTIALS***

***(Faculty Members)***



**Prof. Dinesh Khattar (Principal)**  
**Professor of Mathematics**

**Administrative Assignments:**

- Member, Academic Council, University of Delhi.

**Papers published:**

1. Dinesh Khattar, Neha Agrawal, Mukul Sirohi, Dynamical Analysis of a 5D novel system based on Lorenz system and its hybrid projective synchronization using adaptive control, Pramana, Springer. (Accepted: December, 2022).
2. Dinesh Khattar, Neha Agrawal, Govind Singh, Triple compound combination synchronization of eleven n- dimensional chaotic systems, International Journal of Dynamics and Control, Springer. (Published Online: February, 2023).
3. Dinesh Khattar, Neha Agrawal, Govind Singh, Chaos synchronization of a new chaotic system having exponential term via adaptive and sliding mode control, Differential Equations and Dynamical Systems, Springer. (Published Online: March, 2023).

**Books published:**

1. Dinesh Khattar, Neha Agrawal, Group Theory, ISBN 978-93-90658-94-7, Ane Books Pvt. Ltd. (January, 2022).
2. Dinesh Khattar, Neha Agrawal, Ring Theory, ISBN 978-93-90658-48-0, Ane Books Pvt. Ltd. (May, 2022).
3. Dinesh Khattar, Abhishek Tandon, Neha Agrawal, Linear Algebra, ISBN: 978-93-94883-35-2, Ane Books Pvt. Ltd. (September, 2022).



**Dr. Ajay Kumar (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Workshop on Arduino Programming (24<sup>th</sup> - 25<sup>th</sup> March 2023) at Department of Physics, Kirori Mal College, University of Delhi.
2. International Workshop on QCD with Electron Ion Collider (QEIC) (18<sup>th</sup> - 20<sup>th</sup> December 2022) at IIT Delhi.
3. Online Orientation Course: 01 (21<sup>st</sup> November - 20<sup>th</sup> December 2022) conducted by TLC, Ramanujan College, University of Delhi.
4. Online Refresher Course: 01 (27<sup>th</sup> October -11<sup>th</sup> November 2022) conducted by GAD-TLC and SGTB Khalsa College, University of Delhi.



**Ms. Arti (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Coordinator in the conduct of Seminar on “Einstein and the Magic of Space Time” by Mr. Syed Umar Husain Naqvi, Jagiellonian University, Krakow, Poland organized by The Physics Seminar Society on May 06, 2022.

2. Coordinator in the conduct of Seminar on “Astronomy: Brief Answers to Big questions” organized by the KMC Physics Astronomy Club under Physics Seminar Society on 30<sup>th</sup> August 2022.
3. Coordinator in the conduct of Seminar on “Indian Science@75 years: Azadi Ka Amrit Mahotsav” organized by the Physics Seminar society on January 23, 2023 at 12:00 pm.
4. Educational visit to: National Physical Laboratory on 29/09/2022 with 30 students On the occasion of CSIR-NPL open day.



**Dr. Biplob Barman (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/ Colleges/Institutes of Higher Education” from 20<sup>th</sup> January – 18<sup>th</sup> February, 2023.
2. Online Two - Week Refresher Course in “PHYSICS” from 27 February – 13 March, 2023.
3. Completed 2-days Workshop on Arduino Programming held on March 24<sup>th</sup> and 25<sup>th</sup> March 2023 organised by KMC Physics Robotics Club, Physics Department, Kirori Mal College.



**Dr. Gyanendra Pandey (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Refresher course (two weeks) on SEC, organized by Delhi University in collaboration with GAD-TLC SGTB Khalsa college North campus”, sponsored by Ministry of Education, Pandit Madan Mohan Malviya National mission on Teachers and Teaching, from October 27, 2022 to November 11, 2022.
2. Induction program (one month) organized by Teaching Learning Centre Ramanujan College”, University, sponsored by Ministry of Human resource development, Pandit Madan Mohan Malviya National Mission on Teachers and Teaching, from Nov 21, 2022 to 20 Dec, 2022.
3. Completed 2-Days Workshop on Arduino Programming held on March 24<sup>th</sup> and 25<sup>th</sup> March 2023 organised by KMC Physics Robotics Club, Physics Department, Kirori Mal College.



**Dr. Ishpal (Assistant Professor)**  
**Department of Physics**

**Papers published:**

1. Hydrogen environment-assisted temperature-dependent space charge-limited current conduction in n-ZnO/p-Si<sup>++</sup> hetero-junction device,

- Ishpal Rawal, V Kumar, V Kumar, P Gautam, Journal of Materials Science: Materials in Electronics, 34 (2023) 463.
2. Dielectric characteristics of multiwall carbon nanotube-filled polyaniline, R Pal, SL Goyal, Ishpal Rawal, V Gupta, Materials Chemistry and Physics, 297 (2023), 127428.
  3. Fabrication of  $\text{ZnMn}_2\text{O}_4$  spinel thin film devices for solar-blind ultraviolet photodetectors: Effect of  $\text{Zn}^{2+}$  concentration, S Agrohiya, S Dahiya, Ishpal Rawal, PK Goyal, A Ohlan, R Punia, AS Maan, Journal of Materials Science: Materials in Electronics, 34 (2023) 514.
  4. Self-powered solar-blind UV photodetectors based on Zn:NiO/p-Si heterojunction devices, Sunil Agrohiya, Ravinder Singh, Sajjan Dahiya, Ishpal Rawal, Anil Ohlan, R. Punia, A.S. Maan, Applied Physics A, 129 (2023) 233.
  5. Nickel doped zinc oxide thin films for visible blind ultraviolet photodetection applications, S Agrohiya, S Dahiya, PK Goyal, Ishpal Rawal, A Ohlan, R Punia, AS Maan, ECS Sensors Plus, 1(2022) 043601.
  6. Tailoring of EMI shielding properties of polyaniline with MWCNTs embedment in X-band (8.2–12.4 GHz), R Pal, SL Goyal, Ishpal Rawal, AK Gupta, Journal of Physics and Chemistry of Solids, 169 (2022) 110867.
  7. Structural characteristics and opto-electrical properties of in-situ synthesized polyaniline films, A Sharma, PK Goyal, Ishpal Rawal, A Rajpal, A Khokhar, V Kumar, S Dahiya, Optical Materials, 131 (2022) 112712.
  8. Highly sensitive and selective room temperature ammonia sensor based on polyaniline thin film: in situ dip-coating polymerization, A Sharma, Ishpal Rawal, A Rajpal, A Khokhar, V Kumar, PK Goyal, Journal of Materials Science: Materials in Electronics, 33 (2022) 14071.
  9. Fabrication of n-TiO<sub>2</sub>/p-Si Photo-Diodes for Self-Powered Fast Ultraviolet Photodetectors, Sunil Agrohiya, Vipin Kumar, Ishpal Rawal, Sajjan Dahiya, Parveen K. Goyal, Vinod Kumar, Rajesh Punia, Silicon, 14 (2022) 11891.
  10. Selective methanol sensors based on polyaniline/V<sub>2</sub>O<sub>5</sub> nanocomposites, R Pal, SL Goyal, Ishpal Rawal, Iranian Polymer Journal, 31 (2022) 519.
  11. Self-driven solar-blind ultraviolet photodetectors based on p-Zn<sub>1-x</sub>Sb<sub>x</sub>O/n-Si<sup>-</sup> (x = 0.03, 0.05) heterojunction diodes, V Kumar, Ishpal Rawal, V Kumar, Journal of Materials Science: Materials in Electronics, 33 (2022) 920.
  12. Fabrication of n-ZnO/p-Si<sup>++</sup> Hetero-junction Devices for Hydrogen Detection: Effect of Annealing Temperature, V Kumar, Ishpal Rawal, V Kumar, Silicon, 14 (2022) 7711.

#### **Professional Trainings/ Refresher Courses/ Workshops:**

1. Educational visit to: National Physical Laboratory on 29/09/2022 with 30 students on the occasion of CSIR-NPL open day.
2. Faculty Development Program: One-Week Online National Faculty Development Program on “Python: Essentials, Programming and Analytics” jointly organized by University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) of Ministry of Education from October 27 to Nov. 3rd, 2022.

3. Online Refresher Course/Faculty Development Program: on “*Managing Online Classes and Co- Creating Moocs 21.0*” organized by the Teaching Learning Centre, Ramanujan College, University of Delhi under the Ministry of Education (erstwhile, Ministry of Human Resource Development), Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) In collaboration with Shri Guru Ram Rai University Dehradun, Uttarakhand from December 07-21, 2022.
4. Online Faculty Induction/Orientation Program: organized by Teaching Learning Centre (TLC), Ramanujan College, under the Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) from December 21, 2022 to January, 19, 2023
5. Faculty Development Program: on “Intellectual property rights” organized by the Teaching Learning Centre, Ramanujan College, University of Delhi under the Ministry of Education (erstwhile, Ministry of Human Resource Development), Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) from January 23-29, 2023.



**Dr. Kajal Jindal (Assistant Professor)**  
**Department of Physics**

**Papers published:**

1. “Fabrication of GaN-based MSM droplet triboelectric nanogenerator by the conjunction of Photovoltaic and Triboelectric effect”, Gunjan Yadav, Kajal Jindal, Monika Tomar, Journal of Alloys and Compounds, 944 (2023) 169178 (IF = 5.316).
2. “Determination of Chromium in Contaminated Water Samples Using Chemically Modified Nanoadsorbent: A Computational and Experimental Study”, Dr. Shelja Tiwari, Amit Lochab, Dr. Kajal Jindal, Prof. Reena Saxena, ChemistrySelect (2023) 8, e202203316 (IF=2.307).
3. “Theoretical insight of origin of Rashba–Dresselhaus effect in tetragonal and rhombohedral phases of BiFeO<sub>3</sub>”, Tahir Ahmad, Kajal Jindal, Monika Tomar, Pradip K. Jha, Phys. Chem. Chem. Phys., (2023) 25, 5857-5868 (IF=3.676).
4. “Influence of pulsed laser deposited hafnium oxide thin film as gate dielectric on the fabrication of Al<sub>0.1</sub>Ga<sub>0.9</sub>N/GaN MOS-HEMT”, Gunjan Yadav, Kajal Jindal, Monika Tomar, Materials Science in Semiconductor Processing, 153 (2023) 107136 (IF=4.644).
5. “Microfluidics Integrated NiO based Electrolyte-Gated FET for detection of Cortisol”, Nidhi Dhull, Gurpreet Kaur, Kajal Jindal, Mallika Verma, Monika Tomar, Journal of Materials Chemistry B, (2022) 10(44):9226-9234 (IF=7.57).
6. “Influence of post deposition annealing on thermoelectric properties of In<sub>2</sub>Se<sub>3</sub> thin films, Chanchal, Monika Tomar, Kajal Jindal, Anjali Sharma, Pradip K. Jha, Materials Science in Semiconductor Processing, 153 (2023) 107127 (IF=4.644).
7. “Role of coordination site in governing the structural, electronic and optical properties of Ca-doped strontium barium niobate”, Tahir Ahmad, Monika Tomar, Kajal Jindal, Pradip K. Jha, Physica Scripta, 97 (2022) 095814 (IF=3.081).
8. “Role of vacancies in tuning the electronic and magnetic properties of BiCoO<sub>3</sub>”, Manisha Kumari, Kajal Jindal, Monika Tomar, Pradip K. Jha, Physica Scripta, 97 (2022) 075819 (IF=3.081).

**Invited Talks/ Paper presented/ Session chaired in National/ International Conferences:**

1. Invited talk on “Density Functional theory as a powerful computational tool to probe the properties of materials” in “2nd International Conference on “Advanced Functional Materials and Devices (AFMD-2023)” organized by Atma Ram Sanatan Dharma College, University of Delhi, from March 13-15, 2023.
2. Session Chair in “2nd International Conference on “Advanced Functional Materials and Devices (AFMD-2023)” organised by Department of Physics & IQAC, ARSD College, University of Delhi during 13 -15 March 2023.
3. Paper presentation: “Development of integrated uric acid biosensor based on Al:GaN/GaN MOS-HEMT for point-of-care diagnostics”, Kajal Jindal, Gunjan Yadav, Monika Tomar presented at “Recent advances in Nano Medical Sciences (RANMS-2022)” organized by Institute of Nano medical Sciences (INMS) and Institution of Eminence (IoE), University of Delhi from 22<sup>nd</sup> -23<sup>rd</sup> June 2022.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Coordinator in the conduct of “2-day Hands-on Workshop on Arduino Programming” organized by the KMC Physics Robotics Club, Department of Physics, Kirori Mal College, University of Delhi during 24<sup>th</sup> - 25<sup>th</sup> March, 2023.
2. Member of the organizing committee in the conduct of “Two Week Hands-on Training Workshop on Semiconductor Devices Fabrication” from 20 March– 03 April 2023 organized by Miranda House in association with Center for Innovation in Infectious Disease Research, Education and Training (CIIDRET) and Delhi School of Skill Enhancement and Entrepreneurship Development (DSSEED).
3. Online Inter-Disciplinary Two-Week Refresher Course On “Managing Online Classes & Co- creating MOOCS 21.0” from 07 - 21 December, 2022 organized by the Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with Shri Guru Ram Rai University Dehradun, Uttarakhand under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
4. Faculty Development Programme (FDP) on Incubation, Entrepreneurship And Innovation, 28<sup>th</sup> Nov. 2022 to 4<sup>th</sup> Dec. 2022 organized by the Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching in collaboration with Miranda House, University of Delhi.
5. 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/ Colleges/Institutes of Higher Education” from 20 January – 18 February, 2023 organized by Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.



**Dr. Kavita Gupta (Assistant Professor)**  
**Department of Mathematics**

**Papers published in Journals /Conference Proceedings:**

1. Gupta, K., “Naïve Bayes Classifier Model for Predicting Admission in Master’s Program Based on Academic Grades”, accepted for publication in Conference Proceedings of 4<sup>th</sup> virtual International Conference path to a knowledge society-managing risks and innovation.

**Papers presented:**

1. Presented paper entitled “Naïve Bayes Classifier Model for Predicting Admission in Master’s Program Based on Academic Grades” in The 4<sup>th</sup> Virtual International Conference Path To A Knowledge Society-managing Risks And Innovation, December 08-09, 2022, Mathematical Institute Sanu.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Completed online two - week refresher course in “Mathematical Sciences” organized by Ramanujan College University of Delhi under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching from 26<sup>th</sup> September- 10<sup>th</sup> October, 2022 and obtained grade A+.
2. Completed a 4-week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher education” from 21.12.2022 – 19.01.2023 organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching and obtained grade A+.
3. Completed online Inter-Disciplinary Two-Week Refresher Course on “Managing Online Classes & Co- creating MOOCS 23.0” from 07 - 21 February, 2023 organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry Of Education Pandit Madan Mohan Malaviya National Mission On Teachers And Teaching and obtained Grade A+.



**Mr. Kirtee Kumar (Assistant Professor)**  
**Department of Physics**

**Papers published:**

1. Effect of electric and magnetic field on thermal property of two dimensional harmonic oscillator, M Arora, R Giri, Varsha, K Kumar,

C Yadav, B Vidhani, M Gambhir, V Prasad Results in Physics-2023.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Completed 15 days Online **National Refresher Course** on “Python: Essentials, Programming and Analytics & Visual Communication, Photography, Graphic Design & Animation and Digital Film Production” jointly organized by University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education, during 27<sup>th</sup> October – 11<sup>th</sup> November, 2022.
2. Completed a **4-Week Faculty Induction/Orientation Programme** for “Faculty in Universities/Colleges/Institutes of Higher Education” jointly organized by University of Delhi and Teaching Learning Centre, Ramanujan College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education, during 21st November – 20th December, 2022 and obtained Grade A+.



**Dr. Leena Shakya (Assistant Professor)**  
**Department of Botany**

**Papers published:**

1. Singh, D.; Dhiman, S.K.; Kumar, V.; Babu, R.; Shree, K.; Priyadarshani, A.; Singh, A.; Shakya, L.; Nautiyal, A.; Saluja, S. Crop Residue Burning and Its Relationship between Health, Agriculture Value Addition, and Regional Finance. *Atmosphere* 2022, 13, 1405. <https://doi.org/10.3390/atmos13091405>
2. Sachin; Raj, Rohit ; Dhiman, Srishti ; Shakya, Leena Nanotechnological interventions in sustainable agriculture *IJBB* Vol. 59 (12) [December 2022] <https://DOI: 10.56042/ijbb.v59i12.67308>

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Participated in Course Workshop on “Science and Society” organised by Value Addition Courses Committee (University of Delhi) in collaboration with Mahatma Hansraj Faculty Development Centre, Hansraj College, University of Delhi on 20th October, 2022.
2. Workshop Convenor in One day National Workshop in Hybrid Mode on Hydroponics-Smart Urban Farming On 11th March 2023 in Kirori Mal College, University of Delhi (Under the aegis of DBT Star Status Scheme) In collaboration with Indian Agricultural Research Institute, New Delhi.
3. Participated in the webinar on "Legal Framework of Disaster Management in India" organized by National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India on 25 Nov 2022.
4. Attended the workshop on Discrimination against Women Pakhwada organized by ICC in collaboration with IQAC, Kirori Mal College, University of Delhi.
5. Attended the Webinar on Mushroom: Nutraceuticals Capsule, Organised by Medini-The Botanical Society of Kirori Mal College on the occasion of "Poshan Maah".
6. Online One-week Faculty Development Programme on National Education Policy 2020 from Feb. 1, 2023 - Feb. 7, 2023 conducted by Teaching Learning Centre, Ramanujan College, under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Ministry of Education.
7. Completed 2nd Certificate course in hybrid mode on Nano biotechnology (NBT (2)-2022) From 20th July (Wednesday), 2022 organized by Kirori Mal College & Institute of Nano medical Sciences (INMS) University of Delhi.
8. Completed Online Refresher Course in Botany (18th February 2023 to 4th March 2023), conducted by Teaching Learning Centre, Ramanujan College, under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Ministry of Education.



**Dr. Manisha Tyagi (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Participated in an Online Inter-Disciplinary Two-Week Refresher Course on “Managing Online Classes & Co-creating MOOCS 21.0”

organized by the Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Shri Guru Ram Rai University Dehradun, Uttarakhand under the Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers, and Teaching from 07<sup>th</sup> Dec 2022 – 21<sup>st</sup> Dec 2022.

2. Participated in a 4-Week Induction/Orientation Program for “Faculty in Universities/Colleges/Institutes of Higher Education” organized by the Teaching Learning Centre, Ramanujan College, University of Delhi under the Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers, and Teaching from 21<sup>st</sup> Dec 2022 – 19<sup>th</sup> Jan 2023.
3. Participated in an Online Two-week Refresher Course in “PHYSICS” organized by the Teaching Learning Centre, Ramanujan College, University of Delhi under the Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers, and Teaching from 27<sup>th</sup> Feb 2023 – 13<sup>th</sup> Mar 2023.
4. Completed 2-Days Workshop on Arduino Programming held on March 24<sup>th</sup> and 25<sup>th</sup> March 2023 organised by KMC Physics Robotics Club, Physics Department, Kirori Mal College.



**Dr. Mujeeb Ahmad Khan (Assistant Professor)**  
**Department of Urdu**

**Papers published:**

1. Allama Iqbal: Hayat aur Fikr-o-Fun ki Asas, July to September 2022, Page No. 89-100, Published by Javed Anwar, Mahaveer Press, Varanasi (UP) 221103. Tahreek-e-Adab (Quarterly Magazine), Issue-58, Vol-15, UGC Care Listed, Peer Reviewed Journal, Referred Literary and Research Journal, Website: www.tahreekeadab.com , email: tahreekeadab2008@gmail.com, ISSN: 2322-0341.
2. Ghalib aur Unka Fun, January to March 2023, Page No. 268-280, Published by Javed Anwar, Mahaveer Press, Varanasi (UP) 221103, Tahreek-e-Adab (Quarterly Magazine), Issue- 61, Vol-16, UGC Care Listed, Peer Reviewed Journal, Referred Literary and Research Journal, Website: www.tahreekeadab.com , email: tahreekeadab2008@gmail.com, ISSN: 2322-0341.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. One week FDP on “Indian Ethics and Human Values” organized by UGC – Human Resource Development Centre, Jamia Millia Islamia, New Delhi – 110025, from 2nd January to 7th January 2023.



**Dr. Nirmal Kumar (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Online Faculty Induction/Orientation Program: organized by Teaching Learning Centre (TLC), Ramanujan College, under the Ministry of Education, Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) from December 21, 2022 to January, 19, 2023.



**Mr. Pankaj Bharti (Assistant Professor)**  
**Department of English**

**Paper presented:**

1. "Using Science Fiction Prototyping to Improve Cognitive and Problem-solving Skills in Indian Students" at ICON-BITS 23, an international conference on Best Innovative Teaching Strategies, organized at BITS Pilani, Pilani campus, from 9 to 11<sup>th</sup> February, 2023.



**Dr. Prachi Yadav (Assistant Professor)**  
**Department of Physics**

**Poster presented:**

1. Poster presentation in International Conference, Advanced Functional Material & Device organised by ARSD college, University of Delhi, 13<sup>th</sup> - 15<sup>th</sup> March 2023.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Online Faculty Induction/Orientation Program organized by Teaching Learning Centre, Ramanujan college university of Delhi in collaboration with Women's college, Tinsukia from 20 October-18 November 2022.
2. Refresher course organized by Teaching Learning Centre, Ramanujan college university of Delhi in collaboration with Shri Guru Ram Rai University Dehradun, Uttarakhand from 7- 21 December, 2022.
3. Participated in workshop on Arduino Programming on 24-25 march, 2023 organized by KMC Physics Robotics club, Department of physics, Kirori Mal College.



**Dr. Pranav Kumar (Assistant Professor)**  
**Department of Physics**

**Papers published:**

1. Theoretical analysis of relativistic energy corrections, partition function and thermodynamic properties of spherically confined hydrogen atom, Rachna Joshi, Arun Goyal, Pranav Kumar & Man Mohan, The European Physical Journal D volume 76, Article number: 149 (2022), <https://doi.org/10.1140/epjd/s10053-022-00484-6> E-ISSN: 1434-6079.
2. Above Threshold Ionization spectra for Debye plasma embedded atom interacting with femtosecond laser pulse, Rachna Joshi, Pranav Kumar, Alok Kumar Singh Jha & Man Mohan, 2023, Published online on 31<sup>st</sup> March 2023. <https://doi.org/10.1080/00387010.2023.2194366>

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Teacher Coordinator to conduct a webinar on "INSTRUMENTS IN INDIAN ASTRONOMICAL TEXTS" by Dr. B.S. Shyalja, Director, JLN Planetarium, Bangluru, on the day of Equinox 21<sup>st</sup> March 2023 organised by KMC Physics Astronomy Club, Department of Physics, Kirori Mal College, University of Delhi
2. Teacher Coordinator to conduct a Seminar on "Astronomy: Brief Answers to Big Questions", 30<sup>th</sup> August 2022, organised by KMC Physics Astronomy Club, Department of Physics, Kirori Mal College, University of Delhi.

3. Short course on 'Fundamentals of Astronomy Using Stellarium' 8<sup>th</sup> to 26<sup>th</sup> August 2022, TLC, IUCAA.
4. Online Inter-Disciplinary Two-Week Refresher Course On "Managing Online Classes & Co-creating MOOCs 21.0" from 07 - 21 December, 2022 organized by the Teaching Learning Centre, Ramanujan College University of Delhi in collaboration with Shri Guru Ram Rai University Dehradun, Uttarakhand under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
5. 4-Week Faculty Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from 20 January – 18 February, 2023 organized by Teaching Learning Centre Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malviya National Mission on Teachers and Teaching.
6. Online Two - Week Refresher Course in "PHYSICS" from 27 February – 13 March, 2023 organized by the Teaching Learning Centre, Ramanujan College, University of Delhi under the Ministry of Education, Pandit Madan Mohan Malviya National Mission on Teachers, and Teaching.
7. Completed 2-Days Workshop on Arduino Programming held on March 24<sup>th</sup> and 25<sup>th</sup> March 2023 organised by KMC Physics Robotics Club, Physics Department, Kirori Mal College.



**Dr. Praveen Kumar Anshuman (Associate Professor)**  
**Department of English**

**Books published:**

1. Shabd-Dasrhan, Diamond Publication, New Delhi. ISBN: 978-93-5529-267-4
2. Main Kavi-Hriday Hoon, Kavi Nahin. Authorspress, New Delhi. ISBN: 978-93-5584-044-7

**Publications in Magazine:**

1. A film review titled "दृश्यम 2 मात्र एक फिल्म नहीं है" published in Purvai e-magazine from London. Link of the article – <https://www.thepurvai.com/an-article-on-drishyam-2-by-dr-pravin-kumar-anshuman/>
2. A film review titled "रूमनियत के एहसास से ज्यादा रात की दहशतगर्दी बयाँ करती है सिद्धांत गुप्ता अभिनीत फिल्म 'ऑपरेशन रोमियो'" published in Purvai e-magazine from London. Link of the article – <https://www.thepurvai.com/operation-romeo-movie-review/>
3. An article titled "सतीश कौशिक देहमुक्त हैं, चेतनामुक्त नहीं" published in Purvai e-magazine from London. Link of the article – <https://www.thepurvai.com/special-story-on-legendary-actor-director-late-satish-kaushik/>

**Other Publications:**

1. A 160 line poem titled "Women Today" published in a major research project Woman Atlas of India: Science & Technology Perspective by Seema Mehra Parihar in collaboration with Govt. of India.
2. Five Poems titled – 'बेहोशी के आगोश में', 'दबे पाँव आकर भी', 'ज़िन्दगी का कतरा-कतरा', 'हर क्षण का इतिहास', और 'बेहोश जीवन का प्रतीक' – published in an anthology of "दबे पाँव" edited by Sona Saharavat and Pragya Bajpai. ISBN: 978-9355-04-1500.

3. A Poem on Elizabeth published in The Queen anthology of poems The Poet, Uniting the World through Poetry: <https://www.facebook.com/Poetryforthequeen/>
4. Publication of my shot stories in *Man Ki Laghukatha*, e-magazine, by Mera Panna: बात ही गलत है “कि कुछ भी असम्भव नहीं इस दुनियाँ में” - चतुर्थ अंक, 2022
5. Poems published in Brahmand: Voices of the Cosmos, e-magazine for creative writing (A Literary Warrior Group Initiative) Volume 2, Issue 2:
  - a) ‘Fate of Female Foetus’
  - b) ‘Bimb Kaa Pratibimb’
6. Poem titled ‘Palpably, Sea affects’, published in an edited anthology of ‘Soul Serenade: Sea Songs for the Soul’, Rhyvers ONE, New Delhi, ISBN: 9789392014369.

**Honours:**

1. Selected among 100 writers for History TV18 out of the competition conducted by #Kalakar.
2. Name included in the Harvard World Record 2022 for having written highest number of Shayaris in a day as 207, in a month as 1990 and in a span of two years 16716 along with a record of 100 poem written in Hindi in a day on 7<sup>th</sup> May 2021.
3. Honoured with the BEST ILLUSTRATOR AWARD Q2, 2022 by Ukiyoto on my book “शब्द-संवाद: ‘अविचारों’ की अविरल धारा”.
4. Enlisted as one of the poets in the list of the biggest online platform of कविता कोश.
5. Awarded with Best Professor of the Year by Indian Shiksha Awards 2022 of Education Sensations.

**Research Associateship:** Indian Institute of Advanced Study, Summer Hill, Shimla

Serial Number	Tenure	Spell
<b>2022-23</b>		
1.	October 2022	Three

**Papers presented:**

1. Presented a Paper on ‘Ambedkar’s Idea of India: Whether United or Partitioned?’ in a Two Day National Seminar on ‘Partiton of Indian and Dr. Ambedkar: Context, Causes, Consequences of the Partition and Challenges for Contemporary India’ organized by Dr. Ambedkar International Centre, 15, Janpath, New Delhi on 22-23 February, 2023.
2. Presented a Paper on ‘Bharata, the Only Hope for the World: The Role of Vishwa-Guru in the Vishwavidyalaya’ in a Two Day National Seminar on ‘India’s Future and Higher Education’, organized by Hansraj College, University of Delhi and organized at Vigyan Bhawan on 23-24 March, 2023.

**Extracurricular Activities:**

1. Invited as a Guest in the talk-show of Archana Jain, “Baaten Archana Ki” on 11.12.2022 at 11.00 am LIVE on Facebook – <https://fb.watch/hlcaoFcV8S/>
2. Kavya Paath at Kavya Manjusha FB Page on the occasion of Mother’s Day on 07.05.2022 at 09.00 pm – <https://fb.watch/el2lxUM-aX/>
3. Online Poetry Café at Mera Panna FB Page Season 1, Episode 4 on 31.05.2022 at 08.00 pm – <https://fb.watch/dKAZjoCOOo/>
4. Kavya Goshthi – 58 at Neelam Sexena FB Page on 03.06.2022 at 09.00 pm – <https://fb.watch/dKBLYxILPK/>

5. Poetry Recitation at Sahityoday-Antarrashtriya Sahitya Kala Sanskriti Nyas FB Page on 08.06.2022 at 09.00 – <https://www.facebook.com/groups/sahityoday/permalink/1186772225511413/>
6. Kavya Paath on the theme of Aayaa Chaand Zameen Par at Kavya Manjusha FB Page on 022.06.2022 at 09.00 pm – <https://fb.watch/eI2J03HJf/>
7. Geet Tumhaare, Bol Hamare at Kavya Manjusha FB Page on 06.07.2022 at 09.00 pm – <https://fb.watch/e5rZVXVUW0/>
8. Kavya Paath and Anchoring in the 63<sup>rd</sup> Kavya Goshti on Neelam Saxena FB Page on 29.07.2022 at 09.00 pm – <https://fb.watch/eEuVd6jUvQ/>
9. Kavya Paath at Neelam Saxena FB Page on 19.08.2022 at 09.00 pm – <https://fb.watch/f8rEB9cFi7/>
10. Ekal Kavya Paath at Neelam Saxena FB Page on 28.08.2022 at 07.00 pm – <https://fb.watch/fbbVr6pXrZ/>
11. Kavya Paath at Neelam Saxena FB Page on 02.09.2022 at 09.00 pm – <https://fb.watch/fhXriIDXdQ/>
12. Kavya Paath at Priyanshu Saxena's FB Page Mera Panna on 14.09.2022 at 08.00 pm – <https://fb.watch/v/6h9AYNEKc/>
13. Kavya Paath at Neelam Saxena FB Page on 25.11.2022 at 09.00 pm – <https://fb.watch/h8iMfEmxS8/>
14. Kavya Paath at Priyanshu Saxena's FB Page Mera Panna on 29.11.2022 at 08.00 pm – <https://fb.watch/h5SvvhzKlZj/>
15. Kavya Paath (Dil Ke Alfaaz) at Deepti Saxena's FB Page Kavyadeep on 10.12.2022 at 08.30 pm – <https://fb.watch/hkoLYMc--z/>
16. Kavya Paath – 80 at Neelam Saxena FB Page on 30.12.2022 at 09.00 pm – <https://fb.watch/hKP-QbAj7g/>
17. Kavya Paath at Deepti Saxena's FB Page Kavyadeep on 01.01.2023 at 09.00 pm – [https://fb.watch/hNuTJ7ZO\\_9/](https://fb.watch/hNuTJ7ZO_9/)
18. Kavya Paath at Deepti Saxena's FB Page Kavyadeep on 08.03.2023 at 08.00 pm – <https://fb.watch/juOBRhGmN6/>

#### Invited lectures:

1.	International Conference on "Teaching and Learning English Language and Literature in the 21 <sup>st</sup> Century: Preparing Learners for a Global Citizenship"	Christ Academy Institute for Advanced Studies, Bengaluru	14.07.2022	Chairperson
2.	Lecture on Hindi Divas – "Hindi Bhasha Mein Vahya Shabdavaliyon Ke Shabdon Ka Prayog Evam Iska Samkaleen Swaroop"	Shaheed Rajguru College for Women, DU	14.09.2022	Guest Speaker
3.	Lecture on Hindi Divas – "Hindi Hai Bharat Ki Bindi"	Mera Panna Official FB Page	14.09.2022	Guest Speaker

4.	Lecture on “Choiceless Awareness: The Way of J. Krishnamurti”	S.B.N. Govt. P.G. College Barwani, Madhya Pradesh	03.12.2022	Guest Speaker
5.	Lecture on “Creative and Critical Thinking”	Department of English Language & Literature, Govt. Degree College Tral, Kashmir	13.12.2022	Resource Person
6.	Lecture on “What is Classical in Indian Classics?”	Department of English, Rajdhani College, University of Delhi	29.03.2023	Resource Person



**Dr. Prikshit Gautam (Assistant Professor)**  
**Department of Physics**

**Paper published:**

1. Hydrogen environment-assisted temperature-dependent space charge-limited current conduction in n-ZnO/p-Si<sup>++</sup> hetero-junction device,

Ishpal Rawal, V Kumar, V Kumar, P Gautam, Journal of Materials Science: Materials in Electronics, 34 (2023) 463.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Educational visit to: National Physical Laboratory on 29/09/2022 with 30 students On the occasion of CSIR-NPL open day.
2. Two day Workshop on *Arduino programming* organized by KMC Physics Robotics Club, from 24-25 March 2023.
3. Online Faculty Induction/Orientation Program: organized by Teaching Learning Centre (TLC), Ramanujan College, under the Ministry of Education, Pandit Madan Mohan Malviya National Mission on Teachers, and Teaching (PMMMNTT) from December 21, 2022 to January, 19, 2023.
4. Two Week Online Refresher Course on "FDP-102 Python: Essentials, Programming and Analytics" and "FDP-106 -Big Data Analytics" organized by the University of Delhi in collaboration with GAD-TLC of the Ministry of Education. National Online FDPs organized by University of Delhi in collaboration with GAD-TLC, a Centre under PMMMNTT, Ministry of Education, Government of India held from 27 October to 11 November 2022.



**Dr. Pushendra Kumar (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/ Colleges/Institutes of Higher Education” from 20 January – 18 February, 2023.

2. Online Two - Week Refresher Course in “PHYSICS” from 27 February – 13 March, 2023.
3. Completed 2-days Workshop on Arduino Programming held on March 24<sup>th</sup> and 25<sup>th</sup> March 2023 organised by KMC Physics Robotics Club, Physics Department, Kirori Mal College.



**Prof. Rakesh Kumar Pandey (Professor)**  
**Department of Physics**

**Invited Talks/ Paper presented/ Session chaired in National/ International Conferences:**

1. Participated virtually in an international conference: The 2<sup>nd</sup> World Conference on Sustainability, Energy and Environment and presented a paper virtually in a hybrid mode by [www.steconf.org](http://www.steconf.org) in Berlin, Germany on 9-11 December. Paper Title: "Sustainable World: Protection of Emotional Resources".
2. Chaired a session in an international conference: International Conference on Advances in IoT, Security with AI (ICAISA-2023) Approved by Springer for LNNS series in Deen Dayal Upadhyay College, Delhi on 24-25 March 2023.
3. Presented a paper in an international conference: International Conference on Advances in IoT, Security with AI (ICAISA-2023) Approved by Springer for LNNS series in Deen Dayal Upadhyay College, Delhi on 24-25 March 2023. Paper Title: "Entropic Analysis of Reservation Policy of Government of India".

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Coordinator in the conduct of “2-day Hands-on Workshop on Arduino Programming” organized by the KMC Physics Robotics Club, Department of Physics, Kirori Mal College, University of Delhi during 24<sup>th</sup> - 25<sup>th</sup> March, 2023.



**Dr. Raksha Sharma (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Awarded the certificate of excellence for planning and organizing the annual training camp of NCC.
2. Successfully completed the refresher course from 30 January to 18 February 2023 at officers training academy gwalior leading to the promotion from lieutenant to the captain rank.



**Ms. Rashmi Meena (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Orientation program-“Faculty in Universities/Colleges/Institute of Higher Education” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi for period 20 October, 2022 to 18 November, 2022.
2. Refresher Course- “Managing online classes & co-creating MOOCS 21.0” conducted by Teaching Learning Centre, Ramanujan College, University of Delhi for period from 07<sup>th</sup> December, 2022 to 21 December, 2022.



**Prof. Renu Kathpalia (Professor)**  
**Department of Botany**

**Papers published:**

1. Kathpalia R, Biswas L, Bhardwaj K, Kapinder and Verma AK. 2022. Evaluation of cytotoxic and genotoxic effects of Butyl Hydroxylated Anisole (BHA) on somatic cells of *Allium cepa* L. Biospectra 17(1):135-140 (ISSN:0973-7057)
2. Kaur I and Kathpalia R 2022. Want To Assist Soils – Just Mulch. International Journal of Creative Research Thoughts 10 (8):
3. Kathpalia R, Kaur I and Kaur P. 2022. Hydroponics-Changing Plantation Zones. International Journal of Multidisciplinary Educational Research 11(6): 29-33.ISSN2277-7881.
4. Kathpalia R, Bhardwaj K, Biswas L and Verma AK. 2022. Cyto-Genotoxic Evaluation of Frequently Added Food Preservatives on the Root Meristem Cells of *Allium cepa*. International Journal of Current Science Research and Review 5 (10):3812-3817.
5. Kathpalia R 2022. Phytochemical Potential of “*Dimocarpus Longan* Lour.” as an Essential Nutraceutical. International Journal of Current Science Research and Review 05 (11): 4226-42231
6. Bharadwaj K, Jha BS, Kathpalia R. 2022. Biofabrication and optimization of silver nanoparticles using *Campsis sp.* to explore their antimicrobial properties. Indian Journal of Biochemistry & Biophysics 59:
7. Rajpal VR , Singh A, Kathpalia R , Thakur Rk , Khan MK , Pandey A, Hamurcu A and Raina SN 2023. The Prospects of gene introgression from crop wild relatives into cultivated lentil for climate change mitigation. Front. Plant Sci., Sec. Technical Advances in Plant Science Volume 14

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Participated Two-day National conference on “Sustainable Environmental Perspectives: A journey from Ancient India” organized by Deen Dayal Upadhyaya College in collaboration with Prayavaran Gatividhi on 5-6<sup>th</sup> June, 2022.
2. Attended webinar on “Nanotechnology in Natural Food Colors” organised by DBT-TDNBC- Deakin “Research Network Across Continents for Learning and Innovation” (DTD-RNA) TERI on October 20, 2022.
3. **Co-Coordinator** Certificate course in hybrid mode on **Nanobiotechnology** (January - April 2022).
4. **Co-Coordinator** 2<sup>nd</sup> Certificate course in hybrid mode on **Nanobiotechnology** organized by Kirori Mal College in collaboration with Institute of Nanomedical Sciences (INMS), July –October 2022.
5. **Botany Coordinator, DBT Star Status** 2023. The following activities were organized under the aegis of DBT Star Status.
  - Organized online “Gender Sensitization” Survey” <https://forms.gle/kmPeXSfZAqmeJciVA> on 20th November 2022
  - Convenor for the workshop on “Sustainable Urban Gardening” organised on the occasion of World environment day on 6<sup>th</sup> June 2022
  - Conducted a Science workshop for the school students on 8<sup>th</sup> December, 2022

- A National Workshop on “**Hydroponics-Smart Urban Farming**” in hybrid mode was organized under the aegis of DBT Star Status on 11<sup>th</sup> March 2023.

**Awards:**

1. Received “Distinguished Alumnus Award” on 61<sup>st</sup> Annual Day of Shivaji College, University of Delhi on 27th April 2022



**Dr. Sangeeta D. Gadre (Associate Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Coordinator in the conduct of Workshop on Arduino Programming-Level 01 organized by Department of Physics under the aegis of DBT star college scheme in collaboration with Physics Seminar society on June 28-29, 2022.
2. Coordinator in organizing seminar on “Formation of Structures in the Universe” by Dr. Sampurn Anand, Central University of Tamil Nadu, India by the Department of Physics under the aegis of DBT star college scheme in collaboration with Physics Seminar society on June 30, 2022.



**Prof. Seema Mehra Parihar (Professor)**  
**Department of Geography**

Professor Seema Mehra Parihar contributed significantly to academics in 2022- 2023. First and foremost is her being accorded a “Fellow” at the Delhi School of Public Health (DSPH), Institute of Eminence (IoE), University of Delhi (DU) on 01 June 2022 based on her contributions in academics over the years. Also, what is essential to be mentioned here is the “Exit meeting” during the recent NAAC visit in December 2022, where all three experts said two Unique Academic activities with extensive outreach that they observed in the college and one of them was the contribution of the project "Women Empowerment Atlas of India: Science & Technology Perspective" where Professor Parihar is a Principal Investigator and the project sanctioned by Department of Science & Technology, GoI. In addition, she is also a Visiting Scholar at Le Havre University, Normandie, France, for the fourth consecutive year in 2023.

Dr Parihar is also engaged with three Research Projects one entitled, 'Mapping Good Practices of Institutions for Supporting Redressal of Violence Against Women in India' sanctioned by the World Health Organisation and the second entitled "WEB GIS-based Women's Health Atlas of India: Public Health Perspective" approved by Delhi School of Public Health, Institute of Eminence, University of Delhi. Her third project, “Women Empowerment Atlas of India: Science and Technology Perspective”, sanctioned by SEED Division, Department of Science & Technology, till now had four deliverables with “Atlas” and “Movie” duly launched by the Honourable Minister of Science and Technology, Shri Jitendra Prasad Jee. Geospatial experts launched ten thematic booklets and a dashboard later during the UN conference. All these documents add value to the missing gaps of the gender-disaggregated data and promise to empower women and society and contribute towards SDG 5.

In addition, presently, Dr Parihar is also a Programme Coordinator of a ‘Capacity Building

Programme Creating Healers in Public Health in Higher Education (CBP-HHH:2023.-2025)' approved by Delhi School of Public Health, Institute of Eminence, University of Delhi. The first programme under this banner "Enabling Youth to Address Suicide Prevention" was held at Kirori Mal College, University of Delhi on February 7, 2023. She also got three papers published in three journals during 2022-2023. They include "International Sustainability Indices", jointly hosted by Eren, G. Sirin and Parihar, S. M. (2022), " in Geographies, Planning & Tourism Studios-2022, 2(1): 46-57, <https://doi.org/10.5505/gpts.2022.43043>; "Landuse Dynamics and Impact on Regional Climate Post-Tehri Dam in the Bhilangana Basin, Garhwal Himalayas" jointly published by Parihar, SM et al., (2022), in the journal Sustainability, Vol.14, Issue 16,10221 and "The Idea of Geospatial-Gender-Based Data Infrastructure for Protecting Women Living in Post Covid-19 Created Global Village" jointly published by Parihar, SM et al., (2022), in the journal, Advances in Social Sciences Research Journal – Vol. 9, No. 10 DOI:10.14738/assrj.910.13232.

Professor Parihar has also been a speaker at 17 plus national and international programs and panel discussions on gender, women, health and various geospatial themes, tool, and related technologies in 2022-2023. Currently, Professor Parihar is also a National Trainer under *Rashtriya Kishor Swasthya Karyakram (RKSK)*, Ministry of Health and Family Welfare, GoI, facilitated with the support of the UNFPA and its technical partner Plan India for State Master Trainers Welfare targeted for State Master Trainers (Medical Officers) located in different parts of India. (Participants States- Meghalaya, Tripura, Gujarat, Bihar, Punjab, Andaman & Nicobar, Daman & Diu, Jammu & Kashmir in October 2022 & (Participants States- DNH, Meghalaya, Nagaland, AP, Kerala, Karnataka, Jharkhand, Assam, Telangana and West Bengal in November 2022) Her theme of the presentation is , "*Prevention of Injuries and Violence*". To name a few selected exhibitions include a presentation at UGI - IGU , Paris, in July 2022 on "*Emerging New Ideas in Validating Gender Disaggregated Data in the Making of the Women Empowerment Atlas of India during Pandemic (2020-2022): Strengthening GI Sciences*" and "*Mapping Healers of Spaces of Women's Trauma: Geographical Insights from VAWG Redressal Institutions of India 2017-2022*". As an Invited speaker, she talked about "*Women Empowerment Atlas-Focus Livelihood Opportunities and Health Sector*" at the National level stakeholders Meeting for the study of Women Technology Parks (WTPs) for the Integrated Development of Rural Women across the country on 12 July 2022 in a programme organized by Vigyan Prasar, Department of Science and Technology, Government of India at India International Centre, New Delhi and on "*Agricultural Resource Information System & Micro Level Planning for enhancing Farm Health -Key to achieving the DFI by 2022 Agenda put forth*" in a 93rd Edition of national Webinar Series on Doubling Farmers' Income by 2022 organized by Centre for Agricultural Informatics and e-Governance Research Studies (CAIRS) and Center for Agribusiness and Disaster Management Studies (CADMS), Shobhit Institute of Engineering and Technology, India in September 2022. Professor Parihar presented an invited talk on "*Contextualising Health and Women Empowerment: Sharing Challenges and Usefulness in Geospatial Visualisation of 300+ gender-disaggregated data in the making of three Atlases*" ( Invited Presentation presenting to Addl—Chief Secretary Planning & Development, Government of Tamil Nadu, (25 November 2022). In November 2022, the Keynote Address "*Geographers' Perspective of Five P was IN 2022: An Integrated Lens*" at the thematic International Geographical Union (IGU-2022) Congress at Mahender Garh, Haryana. In October 2022, Dr Parihar also presented a paper during the Second United Nations

World Geospatial Information Congress in a session called TP10A – “*Celebrating diversity in geospatial information management*” at Hyderabad, India. On 15 March 2023, Professor Parihar gave a talk on “*Push in Higher Education Institutions 2023: Insights & Reality Checks*” in a “Gender Sensitisation Programme organized by ICC in collaboration with IQAC at Kirori Mal College.

Professor Parihar was also invited to be a Jury member at National and International Programmes during 2022-2023. One such programme was “*Geo Enabling the global village with Generation Z and Alpha*”, held on Monday, 10 October 2022, during the Second United Nations World Geospatial Information Congress (UNWGIC 2022), where students showcased the “spatial thinking” of Generation Alpha in localizing the SDGs. In addition, Professor Seema Mehra Parihar was also invited to be one of the three Jury Members of “FICCI National Geospatial Awards 2022”, which aimed to recognize and felicitate some of the path-breaking initiatives towards geo-enablement of the nation. The final ceremony was held on 27 March 2023 where awards were bestowed in five categories. In addition, Professor Parihar is a Steering Committee Member of five International Conferences and an Organising Committee Member of three National Level Programmes.



**Dr. Shashwat Malhotra (Assistant Professor)**  
**Department of Chemistry**

**Papers published:**

1. Monoclonal antibodies in breast cancer: a critical appraisal.

Akanksha Behl, Zahoor A. Wani, Nagendra Nath Das, Virinder S. Parmar, Christophe Len, Shashwat Malhotra,\* and Anil K. Chhillar\*. *Critical reviews in Oncology/hematology*, 2023, 183, 103915 (Elsevier, Impact factor: 6.6) ISSN: 10408428.

2. Biodegradable PEG-PCL Nanoparticles for Co-delivery of MUC1 Inhibitor and Doxorubicin for the Confinement of Triple-Negative Breast Cancer. Akanksha Behl, Subhash Solanki, Shravan K. Paswan, Tirtha K. Datta, Adesh K. Saini, Reena V. Saini, Virinder S. Parmar, Vijay Kumar Thakur, Shashwat Malhotra\*, Anil K. Chhillar\*. *Journal of Polymers and the Environment*, 2023, 31, 999–1018 (Springer, Impact factor: 4.7) ISSN:15728900.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Participated in International Conference on “Contributions of Acharya Prafulla Chandra Ray as a Chemist and Freedom Fighter” held on 02<sup>nd</sup> and 03<sup>rd</sup> August, 2022, organized by the “Department of Chemistry, University of Delhi, Delhi”.



**Dr. Shikha Jain (Assistant Professor)**  
**Department of Computer Science**

**Papers published:**

1. Shikha Jain, Navneet Kaur, Sahil Verma, Kavita, A. S. M. Sanwar Hosen, and Satbir S Sehgal. "Use of Machine Learning in Air Pollution Research: A Bibliographic Perspective" *Electronics* 11, no. 21: 3621. <https://doi.org/10.3390/electronics11213621>, 2022.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Participated in the 5-days Face to Face Training Programme on ‘Disaster Risk Reduction Measures For Urban Resilience’ from 14th to 18th November, 2022 at Kirori Mal College, University of Delhi.
2. Successfully completed a 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from 20 February – 21 March, 2023.



**Dr. Shyam (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Completed a 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from 20 October – 18 November, 2022, organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Women’s College, Tinsukia under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on teachers and Teaching.



**Dr. Siddhartha Lahon (Assistant Professor)**  
**Department of Physics**

**Papers published:**

1. T Study of third harmonic generation in  $\text{In}_x\text{Ga}_{1-x}\text{As}$  semi-parabolic 2-D quantum dot under the influence of Rashba spin-orbit interactions (SOI): Role of magnetic field, confining potential, temperature & hydrostatic pressure. S. Dahiya, Siddhartha Lahon, Rinku Sharma, Physica E: Low dimensional System and Nanostructures, 147, 115620 (2023).



**Dr. Sunita Singh (Assistant Professor)**  
**Department of Physics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Refresher Course: Attended from 26 October - 11 November 2022, organised by University of Delhi in collaboration with GAD-TLC under PMMMNMTT, Ministry of Education, Government of India.
2. Faculty Induction Programme: Attended from 20 January-12 February 2023, organised by TLC, Ramanujan College, University of Delhi in Collaboration with PMMMNMTT, Ministry of Education, Government of India.
3. Completed 2-Days Workshop on Arduino Programming held on March 24<sup>th</sup> and 25<sup>th</sup> March 2023 organised by KMC Physics Robotics Club, Physics Department, Kirori Mal College.



**Prof. Usha Kulshreshtha (Professor)**  
**Department of Physics**

**Papers published:**

1. Usha Kulshreshtha, Daya Shankar Kulshreshtha, Bheemraj Sihag,

- “Maxwell-Chern-SimonsHiggs theory”, Acta Polytechnica, 62(1):85-89 (2022).
2. Daya Shankar Kulshreshtha, Usha Kulshreshtha, “On the Wess-Zumino model: A supersymmetric field theory”, Acta Polytechnica, 62(1):80-84 (2022).

**Invited Talks/ Paper presented/ Session chaired in National/ International Conferences:**

1. Invited talk at the International Conference on Algebraic and Analytic Methods in Physics, Institute of Nuclear Physics, Prague, Czech Republic, September 6-9, 2022 (Online)
2. Invited talk at the International Conference on Physics of Hadrons on the light front September 19-23, 2022 (Online).



**Dr. Vibha Gulyani Checker (Assistant Professor)**  
**Department of Botany**

**Papers published:**

1. Vibha Gulyani Checker, Bhavana Sharma, Renu Kathpalia (2022) Nanoinformatics - A newly introduced tool for research. Indian Journal of Biochemistry and Biophysics Vol. 59.
2. Renu Kathpalia, Vibha Gulyani Checker, Bhavana Sharma Jha and Tanushri Saxena (2022) Environmental Nanotechnological Applications for Sustainable Agriculture. Indian Journal of Biochemistry and Biophysics Vol 59: 1056-68.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Attended the Faculty Development Programme on First-Hand Experience on SPSS-Introductory Module, Organised by Research Foundation of India and RFI-CARE from 16-22 August 2022.
2. Completed One-Week Online National Faculty Development Program “Basic IT tools, Advanced Spreadsheet Tools and Statistical Software Package with SPSS” jointly organized by University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of Ministry of Education from 27 October 2022 to 3 November 2023 in Grade A.
3. Successfully completed 4-Week Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from December 21, 2022 - January 19, 2023 and obtained grade A+, organized by Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of Ministry of Human Resource Development, Pandit Madan Mohan Malaviya National Mission on teachers and teaching.
4. Completed two-week Refresher course in ‘BOTANY’ from January 18 to March 4 2023 with A+ grade organized by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Government Arts College (Autonomous), Karur, Tamil Nadu, India under the aegis of Ministry of Education, Pandit Madan Mohan Malaviya National Mission on teachers and teaching.



**Dr. Vijendra Kumar Pandey (Assistant Professor)**  
**Department of Geography**

**Papers published:**

1. Pandey, V.K.; Kumar, R.; Singh, R.; Kumar, R.; Rai, S.C.; Singh, R.P.; Tripathi, A.K.; Soni, V.K.; Ali, S.N.; Tamang, D.; Latief, S.U.; 2022. Catastrophic ice-debris flow in the Rishiganga River, Chamoli, Uttarakhand (India). *Geomatics, Natural Hazards and Risk*, 13:1, 289-309. ISSN No. 1947-5705 DOI:10.1080/19475705.2021.2023661
2. Pandey, Vijendra Kumar; Tripathi, A.K.; Sharma, K.K., 2022. Implications of landslide inventory in susceptibility modeling along a Himalayan highway corridor, India. *Physical Geography*, 43:4, 440-462, doi.org/10.1080/02723646.2021.1872857 ISSN No. 0272-3646
3. Prakash, S.; Sharma, M.C.; Sreekesh, S.; Chand, P.; Pandey, V.K.; Latief, S.U.; Deswal, S.; Manna, I.; Das, S.; Mandal, S.T.; Bahuguna, I.M., 2022. Decadal Terminus Position Changes and Ice Thickness Measurement of Menthosa Glacier in Lahaul Region of North-Western Himalaya. *Geocarto International*; 37:22, 6422–6441. doi.org/10.1080/10106049.2021.1939437 ISSN No. 1010-6049
4. Parihar, S.M.; Pandey, V.K.; Anshu; Shree, K.; Moin, K.; Ali, M.B.; Narasimhan, K.; Rai, J.; Kamil, A., 2022. Land Use Dynamics and Impact on Regional Climate Post-Tehri Dam in the Bhilangana Basin, Garhwal Himalaya. *Sustainability*, 14, 10221. https://doi.org/10.3390/su141610221 ISSN No. 2071-1050
5. Pandey, V.K., & Sharma, M.C., 2023. Sedimentological characteristics and their relationship with landsliding in the Bhilangana Basin, Garhwal Himalaya, India. *Earth Sciences Research Journal*, 26(4), 345-358. https://doi.org/10.15446/esrj.v26n4.94720

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Land-Use Dynamics and Its Impact on Regional Climate Post-Tehri Dam in the Bhilangana Basin, Garhwal Himalaya. National Seminar and First Annual Meet of Geographical Society of Himachal Pradesh (GSHP) on “Geography, Development And Public Policy” jointly organized by Department of Geography, Himachal Pradesh University, Shimla & Geographical Society of Himachal Pradesh; September 23-24, 2022
2. Evaluation of GIS-based Machine Learning Methods of Landslide Susceptibility Analysis: A Case Study in Bhilangana River Basin, Garhwal Himalaya (India). Organized by “Department of Geography (UGC-DRS SAP-I& DST-FIST Supported) Faculty of Natural Sciences Jamia Millia Islamia, New Delhi; 01-02 November, 2022
3. Faculty Development Programme on “Qualitative Research and Issues in Plagiarism (An Interdisciplinary Approach).” Organised by Guru Angad Dev Teaching Learning Centre, A Centre of Ministry of Education under PMMMNMTT Scheme; February 16-22, 2023.

**Research Projects (Major Grants/Research Collaboration)**

1. Co-Project Director of a Major research Project funded by ICSSR on “Community Discourse of Climate Change and adaptation Policy in the Western Himalaya Region of India.”

**Association with Professional Bodies**

1. Life Member of National Association of Geographers, India (LM-2727).



**Mr. Vishal Dhawan (Assistant Professor)**  
**Department of Mathematics**

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Completed a 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/ Colleges/ Institutes of Higher Education” organised by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with MIT School of Education & Research, MIT Art, Design & Technology University under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 20<sup>th</sup> September to 19<sup>th</sup> October 2022 and obtained A+ grade.
2. Completed an online Inter-Disciplinary Two-Week Refresher Course on “Managing Online Classes & Co-creating MOOCS 22.0” organised by Teaching Learning Centre, Ramanujan College, University of Delhi in collaboration with Jyoti Niwas College Autonomous, Bangalore, India under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 7<sup>th</sup> January to 21<sup>st</sup> January 2023 and obtained A+ grade.
3. Completed the Two-week Refresher Course in “Mathematical Sciences” organised by Teaching Learning Centre, Ramanujan College, University of Delhi under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching from 28<sup>th</sup> January to 11<sup>th</sup> February 2023 and obtained A+ grade.



**Dr. Yamal Gupta (Assistant Professor)**  
**Department of Botany**

**Papers published:**

1. Yamal G, Biswas L, Kathpalia R (2022) Exploiting the potential of bio-synthesized silver nanoparticles to enhance the shelf life of *Gladiolus*. Indian Journal of Biochemistry & Biophysics 59, 486-490. ISSN 0975-0959 (Online), *Impact Factor 1.918*.
2. Yamal G, Singh M, Pardha-Saradhi P, Rao K.S. (2022) Roots of *Pennisetum* sp. possess the competence to generate nanoparticles of noble metals. Indian Journal of Biochemistry & Biophysics 59, 461-467. ISSN 0975-0959 (Online), *Impact Factor 1.918*.
3. Patel K, Bidalia A, Tripathi I, Yamal G, Arora P, Rao K.S. (2022) Effect of heat stress on wild type and A7a knockout mutant *Arabidopsis thaliana* plants. *Vegetos*. 35, 168-178. eISSN : 2229-4473), *Impact Factor 0.042*.
4. Yamal G, ‘Assessment of Heavy Metals in Sewage Sludge Generated From Sewage Treatment Plants of Delhi’ for Ecology and Environment Research Committee Published in Proceedings of the XLV Indian Social Science Congress, March 28 – April 01, 2022 at BSAR Crescent Institute of Science and Technology, Vandalur. Chennai. pp 391-392.

**Paper presented:**

1. Paper presented on ‘Assessment of Heavy Metals in Sewage Sludge Generated From Sewage Treatment Plants of Delhi’ for Ecology and Environment Research Committee of the XLV Indian Social Science Congress, March 28 – April 01, 2022 at BSAR Crescent Institute of Science and Technology, Vandalur. Chennai.

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Completed an Online Induction Training for Faculty of Higher Education, 21 December 2022 to 19 January 2023, conducted by Teaching Learning Centre, Ramanujan College, under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Ministry of Education.
2. Completed an Online Refresher Course in Botany, to be held from 18<sup>th</sup> February 2023 to 4<sup>th</sup> March 2023. The Program is conducted by Teaching Learning Centre, Ramanujan College, under the aegis of Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching, Ministry of Education.

**Participation in Activities of College**

1. Participated as a resource person in a ‘Science Workshop’ organized for students of Navyug School, Mandir Marg, on December 8, 2023, under the aegis of DBT Star Status.
2. Member, Decoration-cum-Exhibition Committee for Founders Day Celebration.
3. Organized a Factory visit to Yakult Danone India Pvt. Ltd. HSIIDC, Rai, Sonipat, Haryana on March 2, 2023, for B.Sc. (H) Botany, VI Semester students.
4. Organizing Member for One day National Workshop on Hydroponics-Smart Urban Farming, organized by Department of Botany on March 11, 2023.



**Dr. Yash Mangla (Assistant Professor)**  
**Department of Botany**

**Chapter published:**

1. Manisha, Mangla Y, Tandon R, Goel S. 2022. Current Status of Chromosome-Based Gender determination in Seabuckthorn. *In: The Seabuckthorn Genome*. Sharma P. Springer-Nature, Switzerland. *Equal contribution*. ISBN: 978-3-031-11275-1 (pp:67-78)

**Book published:**

1. Reproductive Biology of Angiosperms: Concepts and Laboratory Methods. **Yash Mangla**, Priyanka Khanduri, Charu Khosla Gupta Publisher: Cambridge University Press, UK. ISSN: 978-1-009-16040-7

**Professional Trainings/ Refresher Courses/ Workshops:**

1. Resource person for Six days hands-on National workshop on ‘Microtomy: Principle, Procedures and Applications’ October 07-12, 2022 in Department of Botany, University of Jammu, J&K.
2. Completed 4-Week Faculty Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” from 20 January – 18 February, 2023 organized by Teaching Learning Centre, Ramanujan College, University of Delhi, under the aegis of Ministry of Education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.
3. Served as Session Co-chair in 3rd International Symposium on Ciliate Biology November 8, 2022 in 7th International Conference of Indian Network for Soil Contamination Research. Jointly organized by Acharya Narendra Dev College and Maitreyi College, University of Delhi.
4. Manisha, Yash Mangla, Shailendra Goel, Rajesh Tandon. Poster entitled ‘Genomic similarities and differences at gender specific locus in geographically partitioned natural

populations of *Hippophae rhamnoides*' presented at International conference on Advances in plants, microbes and agricultural sciences. March 2-4, 2023, Organized by Department of Botany, University of North Bengal, West Bengal.



**TOUR DE FORCE**



**MEGA EVENTS  
OF  
THE COLLEGE**

## Alumni Meet 2023

Convener: Dr. Ajeet Kumar

Student days, hostel life, canteen chit-chats, someone special in the college corridors, and, also, classes are a few things that always remain a memory as alive as a throbbing heart. The Alumni Committee of the College organized KMC Alumni Meet: ALUMNITE 2023, a programme to facilitate, consolidate and coordinate alumni activities in the Ashoka Lawn on 8<sup>th</sup> April 2023.

The Alumni that started arriving in College on 5:00 PM onwards were received by the Registration and Reception team. Hon'ble Justice of Delhi High Court Smt. Jyoti Singh was the Chief Guest on the occasion. Guests of Honour on the occasion included renowned historian Prof. Harbans Mukhia, Member of Rajya Sabha Sh. Vivek Thakur; Hon'ble Justice of Delhi High Court Sh. Kailash Gambhir (Retd.) along with bureaucrat Alumni like IPS Kumar Viswajeet, Seemant Singh, Sachin Badshah, Ashwini Chand, Ramesh Reddy, MLA from Bihar Sh. Sudhakar Singh, former Principal of the College Dr. Bhim Sen Singh among others. The Meet was attended by dignitaries from various walks of life – Director Vijaykrishna Acharya (Victor), Indresh Malik, Lyricist Rajshekhar, Actor Vidhaat all from Bollywood; Prof. Balram Pani, Dean of Colleges, DU; Hon'ble members of the Governing Body of the College, Oscar nominee Shaunak Sen, are a few to name. All of them shared their memories of their College time. The occasion provided a fantastic opportunity for graduates of various batches of the College to exchange ideas, memories and views.

The Alumni Meet started with a welcome address by the Alumni Committee Convener Dr. Ajeet Kumar, who expressed the Committee's resolve to hold the Annual Alumni Meet regularly. Addressing all the participants themselves as distinguished guest of honour themselves, the Principal Prof. Dinesh Khattar expressed his promise of renovating the FTD Auditorium at the earliest by soliciting the support from the alumni.

The College expressed gratefulness and paid tribute to its alumni – the Late Satish Kaushik, KK, Valentine, and Sonam Sherpa. It is worthwhile to mention here that the date of 8<sup>th</sup> April (2023) for the Alumni Meet was selected by Late Satish Kaushik himself. In this regard, a message of remembrance for the Late Satish Kaushik from the Mega Alumnus Shri Amitabh Bachchan was conveyed to the gathering. The Principal, while welcoming the august gathering, announced that the plan of naming the existing academic auditorium as The Satish Kaushik Memorial Academic Auditorium.

The Chief Guest of the event, Hon'ble Justice Jyoti Singh said that she had a deep association with the College. She began her academic career at University of Delhi from this College when she completed her B.S. Hons. in Botany. Later on, she joined Law Faculty of the (Delhi) University. Apart from this, she said that she met her life partner Shri Shakti Singh (B.A. History Hons.), who was two year senior to her. They are happily married and it was indeed a pleasure that both of them had joined the Meet. Prof. Harbans Mukhia, one of the first graduates of the College fondly remembered his days here when the renowned historian Prof. K. M. Ashraf happened to be a teacher whom he considered his revered 'Guru'. The Guest of

Honour Shri Vivek Thakur, MP, Rajya Sabha talked about how he decided to be here at this College only and did not leave it in his first year even when he got an opportunity to get admission in yet another institution of excellence. He promised financial assistance of Rs. 10 Lakh for the renovation of FTD Auditorium. Lastly, the cover page of the proposed first ever souvenir, by the name *kmc@alumni* was also unveiled by the distinguished guests on the occasion.

Thereafter, an enthralling performances by the college Societies 'The Musoc', 'The Sensation' and 'The Players' along with a performance by Raj Shekhar, and Bollywood playback singer Shaheen, which kept the audience entertained. The chief highlight of the event was the musical performance by MUSOC: The Music Society of the college as a tribute to K.K., alumnus of the College, who passed away in 2022. The tribute piece concluded with K.K.'s iconic song 'Yaaron'. K.K. was a very active member of The Music Society during his college days. Tribute was also paid to another popular alumnus of the College Mr. Satish Kaushik, who passed away in the month of March 2023. A special film screening was organised in memory of Late Satish Kaushik, documenting his journey as an actor. Rare photos and videos from his early acting days were featured in the movie from the time when he was a student of the College and an active part of PLAYERS: The Theatre Society of the College. Director Man Mohan Bhasin, a close friend of Shri Kaushik and his classmate/batch-mate too, was also present for the event. He had directed Shri Kaushik in his plays during the college days and also seen his journey as a first hand actor, which he reminisced about. The College Alumni turned up in great numbers for the event and had an enjoyable evening with nostalgic feelings.





## **Three-day Workshop For Educators On Vedic Mathematics**

A three-day workshop was organized under the patronage of Prof. Yogesh Singh, the Hon'ble Vice Chancellor, University of Delhi, the Committee of Value Edition Courses (VAC) of the University in collaboration with Kirori Mal College from 11<sup>th</sup> April 2023 to 13<sup>th</sup> April 2023 in the Academic Auditorium. The main objective of this workshop was to attract and bring together experts and teachers of different streams involved in teaching and learning Vedic Mathematics.

The theme of the inaugural session was 'History and Evolution of Vedic Mathematics', which was chaired by Prof. Niranjan Kumar. The session started at 10:30 am with the lightning of lamp, Saraswati Vandana, and the Rashtryagaan, the students of The MUSOC. This was followed by felicitations and a thought-provoking welcome address by Prof. Dinesh Khattar, the Principal, Kirori Mal College. The dignitaries on the dais were the Hon'ble Chief Guest Dr. Atul Kothari, National Secretary, Shiksha Sanskriti Uthan Nyas, Special Guest, Shri Utpal Kumar, Editor, CNN and Opinion Editor, First-post, Prof. Niranjan Kumar, Chairman, Committee of Value Addition Courses and Dean Planning, University of Delhi and Prof. Prabhat Mittal, Coordinator, Vedic Mathematics (VAC).

The keynote speaker of the event Shri Atul Bhai Ji Kothari shared his struggle and the long fight to implement our old values of ancient times into the present New National Education Policy. He explained in a very motivational way how important it is to know our own ancient Vedic Mathematics. Shri Utpal Kumar also gave several examples of our ancient Mohenjodaro civilization, Mahabharata, and geometrical and astrological knowledge of that era. He pointed out with several examples how rich the Indian knowledge system of that time was.

Technical Session 1 was dedicated to the contributions of our ancient Indian mathematicians like Varahmihir, Brahmagupta, Srinivasa Ramanujan, Neelkanth Somayya, and Bharti Krishna Tirtha. Prof. Prabhat Mittal reminded the participants of the contributions of these greats, and motivated all attendees to discuss other famously known mathematicians and their contributions. Prof. Sarla Bhardwaj connected Vedic Mathematics with examples of real life. She explained Miracle Multiplication during technical session 2. Technical sessions 3 and 4 were taken by Dr. Rakesh Bhatia, a renowned name in the field of Vedic Mathematics. He explained the Baudhayana Theorem and the concept of an angle given by ancient Indian mathematicians in several Shulb-Sutra almost 400 years before Pythagoras. The entire trigonometry is based upon various amazing facts written in our ancient Sulbha-Sutras. Prof. Haneet Gandhi explained Geometrical constructions (such as Altars), the Transformation of simple shapes, and Kalpa Sutras-Srautha Sutras and Sulbha Sutras in the technical session 4. Shri Ram Chauthai Wale took two sessions before the valedictory session. It was another amazing experience of great learning.

The Valedictory Session was graced by the Chief Guest Shri Kapil Khanna, President, VHP Delhi, Guest of Honour, Dr. Vikas Gupta, Registrar, University of Delhi, Distinguished

Guest Dr. Paresh Saxena, IPS, ADG Police, and Prof. Niranjana Kumar, Dean Value added courses committee.

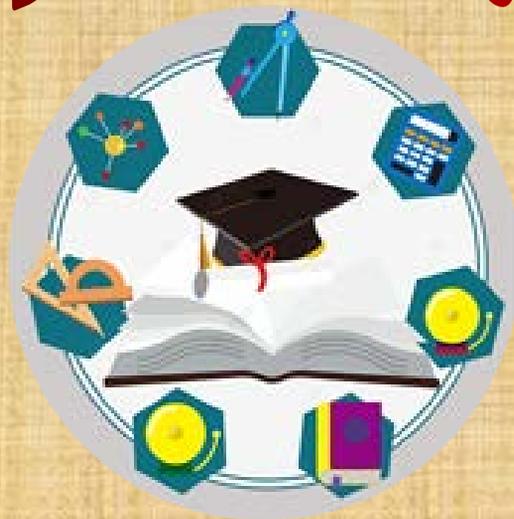
The Workshop, which was attended by more than 90 teachers from across the colleges of the University set a perfect platform to discover new directions as well as potential applications of the Vedic Mathematics in the current educational world. The success of this three-day workshop on Vedic Mathematics was the result of the able and constructive guidance of Prof. Niranjana Kumar, along with the entire Value Addition Courses Committee that has implemented the VACs in all the course run at the College level itself.







# DEPARTMENTS



# DEPARTMENTAL SOCIETIES

## DEPARTMENT OF BOTANY

**Teacher-in-Charge and Staff Advisor: Prof. Renu Kathpalia**

The Department of Botany entered in its fifty years of journey which has been all the way very beautiful and commemorating. To remember the Golden Jubilee Celebration, the Department organized various events under the aegis of the Departmental Society 'Medini' and the DBT Star Status. The ethos of Department since its inception is to inculcate scientific spirit among the students by engaging them in research activities, lectures, workshops etc. To further motivate them and make them aware about the legacy of Department in its 'Golden jubilee year', distinguished Alumni Lecture Series was programmed. Under this aim, six lectures were successfully held. Notable Alumni Ms. Meena Vaidyanathan, Prof. Archana Chugh, Prof. Ratnum Kaul Wattal, Mr. Priya Ranjan, Ms. Harshita Pant and Ms. Vishakha V. Jha from different fields appraised the students of the career options, recent research trends and shared their valuable experiences.

This academic year the Department feels elated for having seven permanent Assistant Professors specialized in their respective fields. In this Golden Jubilee year; the Department also marked the inauguration of the Botanical Garden, Mushroom cultivation facility, hydroponics unit, rock garden and zodiac garden.

Some of Students' Achievements worth citing are:

- Mr. Yash, a student of B.Sc. (H) Botany semester V, worked under the able guidance of Prof. Rajni Gupta and presented his work in form of a poster entitled 'Vertical farming - An alternative opportunity for food security' in an International Conference on Recent Advances in Horticulture Research, 8<sup>th</sup> & 9<sup>th</sup> August 2022, organised by Amity International University, Uttar Pradesh.
- Mr. Ayush, a student of B.Sc. (H) Botany, semester V, worked under the guidance of Prof. Renu Kathpalia. Students from SGTB Khalsa College and Department of Biotechnology, Jamia Millia Islamia, jointly presented poster on 'Seaweeds for sustainable agriculture - A preliminary study on the growth and survival of Brinjal, Chilli and moong plants using *Sargassum sp.* as fertilizer' in 7<sup>th</sup> Annual International Conference of Indian Network of Soil Contaminated Research (INSCR-2022) on 'Modulating the Environment with Microbes' 7<sup>th</sup> -11<sup>th</sup> November 2022.
- Mr. Ayush and Mr. Vishal Jhakar, B.Sc. (H) Botany, semester VI, under the guidance of Prof. Renu Kathpalia and Dr. Vibha G. Checker presented poster on the topic 'Medicinal Plants Cultivation Marketing and Entrepreneurship: Role Of Rural Youth' in National Conference on Medicinal Plants-Frontier Areas of Research and Developments, organised by Hans Raj college on 16<sup>th</sup> & 17<sup>th</sup> March 2023.
- Mr. Yash, B.Sc. (H) Botany, semester VI and Divyanshi, B.Sc. (H) Botany, semester IV under the guidance of Prof. Rajni Gupta, got the golden opportunity of representing the start-up idea of Mushroom cultivation in Inception'23 organized by CISE (Centre for Innovation and Social Enterprise) of the College on 20<sup>th</sup> & 21<sup>st</sup> March 2023. It was an impactful interaction at open platform where students networked with participants and

made them aware about mushroom cultivation as innovation start-up and earnings of high profit from the same.

The Department organized a National Workshop on ‘Hydroponics-Smart Urban Farming’ in hybrid mode on 11<sup>th</sup> March 2023 under the aegis of DBT Star Status. Seventy six researchers, faculty members from various colleges and universities participated in it. Thirty six participants attended the workshop in physical mode while the others attended in virtual mode. The workshop started with brief highlights of various programs conducted by the College under the aegis of DBT Star status by Prof. Anita Kamra Verma, Programme Coordinator, DBT Star Status. The Principal Prof. Dinesh Khattar welcomed the chief guest and encouraged the participants. Prof. D.S. Rawat, Chairperson of the College and Dean of Examinations, University of Delhi, was the Chief Guest for the workshop. He appreciated the efforts of the Department for promoting sustainable agricultural practices by means of hydroponics. The Guest Speaker Dr. Murtaza Hasan, Principal Scientist, IARI delivered a lecture on ‘Smart Urban Farming - Technological Details’. Next speaker for the day was Mr. Anand Zambre, Executive Director, National Committee on Precision Agriculture and Horticulture (NCPAH) under the Ministry of Agriculture and Farmers Welfare, New Delhi presented an illustrative lecture on ‘Hydroponics and vertical farming in India - Present status and way forward’. Persons from the booming industry of hydroponics, Mr. Venkesh (Barton Breeze Pvt. Ltd.) and Mr. Kapil Verma (Green Hack Pvt. Ltd.) discussed about the suitable specifications for Hydroponics set up in academic institutes. Ms. Rama Tyagi, President, Horticulture and Floriculture Society discussed the the topic ‘Future Urban Gardening’ with great zeal and enthusiasm. She motivated the participants for home gardening etc. In the end, an interjection session was eloquently conducted by Prof. Rajni Gupta. The workshop concluded with vote of thanks by Prof. Renu Kathpalia, Teacher-in-Charge & workshop convenor to every one present there.

## DEPARTMENT OF CHEMISTRY

**Teacher-in-Charge: Dr. Kiran Arora; Staff Advisor: Dr. Ram Sunil Kumar Lalji**

The Department of Chemistry had a productive year by making progress in the areas of teaching and research for the academic year 2022-23. The Department is one of the four supporting Departments of the College, which received the DBT STAR STATUS SCHEME. This report will highlight some of the Department’s achievements and challenges over the past years. The Department’s faculty members were dedicated to provide high-quality education to the students at all levels – from introductory courses and lecture series to seminars, and from conferences to under graduate projects. The Department offers a variety of courses in B. Sc. Chemistry (H), B. Sc. (Prog) in Analytical, Physical Sciences, and Life Sciences. Apart from this under NEP, the Department is engaged in teaching Skill Enhancement Courses (SEC), Value Addition Courses (VAC) and Generic Elective (GE) papers to the interdisciplinary courses. The Department’s faculty members have been active in their services to the University and the broader community, by working in committees, organizing seminars and conferences, and volunteering their expertise for various outreach activities.

Some noteworthy achievements of the last academic year include: the implementation of a new curriculum under NEP for introductory chemistry courses that emphasizes problem-solving and critical thinking skills; the Department's faculty members continued making important contributions to their respective fields of research, publishing several articles in high-impact journals; the Department's faculty is also involved in core committee of the NEP syllabus framing for courses like B. Sc. Chemistry (H), B. Sc. (Prog.) in Analytical, Physical Sciences, and Life Sciences; the Department in collaboration with the Department of Forensic Medicine and Toxicology, AIIMS Delhi, conducted a certificate course in forensic sciences from 30<sup>th</sup> September to 18<sup>th</sup> October 2022. This course in hybrid mode included hands on session with experts from the field; the installation of PNG supply in the Department laboratories was completed successfully. This year, an eye station is also installed in the lab as one of the safety measures. B. Sc. (H) Chemistry students have also secured different ranks in IIT JAM Exam – Chetan Rathi – 44, Harshita Agarwal – 47, Rajat Chauhan – 48, Mehak Batra – 191, Mridul Shayam – 259, Priyanka Amrawat – 335, Reetik – 339, Shaurya – 354.

#### **WORKSHOP ON LAB SAFETY AND GREENER LABS ON 31<sup>ST</sup> JANUARY 2023:**

The Department organized workshop under the aegis of DBT Star Status Scheme on 'Lab Safety and Greener Labs' on 31<sup>st</sup> January 2023. Prof. Mallika Pathak, Department of Chemistry, Miranda House (University of Delhi) and Prof. Vimal Rarh, Coordinator - National Centre of Chemistry & Joint Director, GAD TLC, Ministry of Education, Govt. of India and a Faculty members in the Department of Chemistry, SGTB Khalsa College (University of Delhi) were the eminent speakers for the event. Prof. Mallika began with the discussion about the safety measures to be taken in Chemistry Labs. The speaker started with listing a few essential items that are must before entering the lab, out of which the most important is a lab coat most preferably made up of cotton. Then she discussed other protective clothing that the people need to wear in Chemistry Labs, including leather shoes, safety glasses, and clothes of appropriate length. She also talked about the general precautionary measures like avoiding eating or drinking in labs, not applying cosmetics, tied hair and also warned the students to always use a pipette dispenser for sucking acids or bases. She also enlightened the students about the various ways of disposing of chemicals about which she specifically mentioned that the liquid chemical wastes should be drained by flushing with water and the solid chemical wastes are always to be first diluted with sand and then disposed off in a chemical disposal pit. She further emphasized that chemicals should neither be ingested nor be inhaled directly, and, if required, one should smell the chemical by the method of wafting, and not directly. Moving ahead, she made the audience aware about various pieces of information cited on the labels of storage bottles, including its chemical name, molecular weight, melting point/boiling point, health hazards, various symbols drawn over it, its color, number coded labels, different materials in which these chemicals are stored along with emergency phone numbers. She then talked about the Material Safety Data Sheets (MSDS) and asked the students to download WISER and SDS mobile apps that contain all the information of various chemicals. To make the students conscious of the probable laboratory hazards, she also recalled some accidents that had happened in labs while working and concluded by again emphasizing upon precautionary methods that one needs to take care of while working in a chemistry lab. Following this, there was an interactive question-answer segment which was conducted.

The second speaker Prof. Vimal Rarh began the session with the lecture on Safer and Greener Methodologies in Chemistry Labs. She made students be acquainted with her self-written Chemistry Lab Manual (2010). She introduced SWAYAM, an Annual Refresher Programme in Teaching (ARPIT) and innovative & unique modules especially about Chemistry Safe Labs. She discussed about the sustainable developmental goals wherein she mentioned different approaches towards sustainable and environmental friendly and safer approaches in Chemistry Labs. After this, she extensively discussed different modules like lab safety and first aid measures. She additionally discussed some emergency assistance in case of chemical spill, for instance using  $\text{NaHCO}_3$ , acetic acid (1%) and ammonia solution (2%) in case of acid, base and bromine spill respectively. She explained different ways through which chemicals can enter our body and informed the audience about cases of eye accidents, chemical poisoning and different case studies related to formalin, sodium and Kjeldahl's flask. She stressed upon the need of incorporating 3 Rs i.e. Recycle, Reuse and Reduce in Chemistry for a greener approach, and mentioned different safer methods for obtaining boiling point and melting point. Lastly, she also talked about various chemical disposal plans. Towards the end, the inquisitive minds got an opportunity to ask questions to the speaker during the question-and-answer segment. The event was a huge success with over 100 participants from different colleges.

#### Under Graduate Students Project:

S.No	Name of Student	Class	Teacher	Lab
1.	Harioum	I, Chemistry	Prof. Kalpana Bhrara	1
2.	Aaradhya	I, Chemistry	Prof. Kalpana Bhrara	1
3.	Ishika Sharma	III, Chemistry	Prof. Reena Saxena	3
4.	Shourya Bardiya	II, Chemistry	Prof. Reena Saxena	3
5.	Nishant Shekhar Jha	III, Chemistry	Dr. Shalini Baxi	3
6.	Purnima Tiwari	II, Chemistry	Dr. Shalini Baxi	3
7.	Palash Tripathi	III, Chemistry	Dr. Akhilesh Bharti	2
8.	Nidhi	III, Chemistry	Dr. Akhilesh Bharti	2
9.	Gaurav Kumar Jha	III, Chemistry	Dr. Priyanka Jhajharia	2
10.	Sarvdaman Singh Tomer	II, AC	Dr. Priyanka Jhajharia	2
11.	Priya Jaiswal	III, Chemistry	Dr. Jai Prakash Chaudhary	5
12.	Manish Kumar	III, AC	Dr. Jai Prakash Chaudhary	5
13.	Mahima Kumari	I, Chemistry	Dr. Ruchi Sharma Pandey	1
14.	Sahil Chaurasiya	I, Chemistry	Dr. Ruchi Sharma Pandey	1
15.	Akshat Bhatnagar	I, Chemistry	Dr. Hemlata Vashisht	5
16.	Shaurya	III, Chemistry	Dr. Hemlata Vashisht	5

#### STUDENT DEVELOPMENT PROGRAM ON 'MOLECULAR MODELLING WITH JMOL' FROM 31<sup>ST</sup> MARCH TO 4<sup>TH</sup> APRIL 2023:

The Department under the aegis of DBT Star Status Scheme organized a Student Development Program (SDP) on 'Molecular Modeling with JMol' in collaboration with the Spoken Tutorials, IIT Bombay in a hybrid mode from 31<sup>st</sup> March to 4<sup>th</sup> April 2023. An overwhelmingly a large number of students from all over the University (of Delhi) as well as

other universities, participated enthusiastically in the Programme. The Principal of the College gave a short speech and encouraged all the participants. Prof. Reena Saxena, DBT Star coordinator of the Department, explained the 5 day Programme in details, and explained that JMol is a computer software for molecular modelling chemical structures in 3-dimensions. JMol returns a 3D representation of a molecule that may be used as a teaching tool for research in chemistry and biochemistry. Then Dr. Kiran Arora, TiC of the Department was invited to honour the guest.

Inaugural session was held on 31<sup>st</sup> March 2023, in the Academic Auditorium of the College. Dr. Divya Nayar, Assistant professor, Department of Material Science and Engineering, IIT, Delhi, was invited to deliver a lecture on ‘Molecular Modeling and Computer Simulation Methods in Chemistry’. The session began with a discussion on how lab experiments can be simplified and done through software by using ‘Computational Chemistry’. She further gave the reference of the Covid time and told that how the various experiments were done through computational chemistry. Molecular modelling encompasses all methods, theoretical and computational, used to model or mimic the behaviour of molecules. The methods are used in the fields of computational chemistry, drug design, computational biology, and materials science to study molecular systems ranging from small chemical systems to large biological molecules and material assemblies. She then gave example of water molecule and how its model is made by using various bond lengths and bond angle. Following this, an interactive question-answer session was conducted in which the students cross-questioned Dr. Divya. Dr. Ruchi Sharma Pandey, Assistant Professor, Department of Chemistry proposed the formal vote of thanks to the speaker. The event was a massive success attended by more than 120 participants from different colleges and universities of Delhi.

Second session in an online mode through Zoom Meeting was held on 1<sup>st</sup> April 2023. The participants were welcomed by Prof. Reena Saxena. Prof. Anita Kamra Verma, Programme Coordinator, DBT Star Status Scheme explained about the scheme and how the Department is trying to teach the students beyond the textbooks. The first lecture was delivered by Ms. Sudehaa Shirke from the Spoken tutorial, IIT Bombay that helped the students to install the JMol applications on their computers and then access the self-learning online modules. The second lecture of the day was delivered by Prof. Smriti Sharma Bhatia from the Department of Chemistry, Miranda House, DU, on ‘Drug Designing using JMol’. Students learnt the JMol application using the video lectures provided by the Spoken Tutorials, and attempted practice assignments and quizzes, which could be done at their own pace over the next three days. The Programme was aimed at introducing students to the basics of molecular modeling and the use of JMol in drug discovery. A discussion session to clarify doubts of the students was held on 4<sup>th</sup> April 2023, the last day which was a continuation of the previous session. Prof. Smriti Sharma Batia introduced various open-source software tools, including Auto dock, Chimera, Discovery Studio, Avogadro, Open Babel, PyreX, and JMol. She explained how these tools can be used for molecular modeling and how they can be downloaded and explored by beginners. She explained the various applications of molecular modeling in drug discovery, such as designing new drugs, predicting drug interactions, and optimizing drug properties. She highlighted on the importance of molecular modeling in drug discovery and how it can save time and resources in the drug development process.

The talk concluded with a question-answer session, wherein Prof. Smriti Sharma Batia answered all the questions related to molecular modeling and its applications. After the session, there was a discussion and doubt-clearing session about the assignment, certification, and other related topics. The session concluded with vote of thanks by Dr. Ruchi Sharma Pandey, accentuating on the importance of computational chemistry in providing insights and directions for wet lab chemists.

### **STUDENTS ACTIVITY DONE BY SEMINAR COMMITTEE:**

ChemSoc, The Chemistry Society, has been one of the renowned Societies of the College. It has been organising insightful lectures, enthralling events, quizzes, and still counting more in the queue. Not just summing up to Chemistry, The ChemSoc has engaged hundreds of students that beautified our college with their creative minds. The Colloquium-International lecture series facilitate the interaction of students with the International Scientists. The Alumni Speak Event gives our Alumni the platform to share their experiences. And Nobelium is a newly started series of enlightening lectures over the topics presented by esteemed Nobel Laureates worldwide and on the Nobel Prize winning reactions which hope to bring forth love for Chemistry among the young minds. These events cover a wide range of topics, including Organic Chemistry, Biochemistry, Physical Chemistry, and Materials Science. The Society's aim is to cultivate interest in students for Chemistry, make them be acquainted with the developments in the field of Chemistry and provide them with the opportunities to learn and engage with Chemistry outside the classroom. Overall, The ChemSoc provides a valuable platform for students to explore their passion for Chemistry and enhance their knowledge and skills about it.

The successful execution of the tasks and the achievement of their incredible results require teamwork, collaboration and guidance of the teachers. The Department has a wonderful team of teachers and students: Prof. Geetanjali, Co-Convener, Seminar Committee, Team Chemsoc; Nishant Shekhar Jha, (President), IIIrd yr B. Sc. (H) Chemistry; Ishika Sharma (Vice-President), IIIrd yr B. Sc. (H) Chemistry; Manish Mandiya (Vice- President), IIIrd yr B. Sc. (Prog.) Analytical Chemistry; Radhika Kesar (Gen Sec.), IInd yr, B. Sc. (H) Chemistry; Lakshita (Gen Sec.), IInd yr, B. Sc.(H) Chemistry; Sarvadaman Singh (Joint Secretary); Rakesh Yadav (Joint Secretary); Nitesh Mohan Mishra (Treasurer); Harsh Singh (Coordinator); Deepak Singh (Coordinator); Ishita (Content Head); Shreya Sharma (Content Co- Head); Aakriti Aggarwal (Event Head); Gaurav (Event Co-Head); Varun Jindal (Technical Head); Reetwik Kumar Mishra (Technical Co-Head); Tejinder Mohan (Colloquium Head); Aditi Patra (Colloquium Co-Head); Ayush Diwakar (Marketing Head); Rijul Kumar Mishra (Marketing Co- Head); Rashi (Outreach Head); Deepak Kumar (Outreach Co-Head); Harshita Ahuja (Creative Head); Rohan Meena (Creative Co-Head); Skand Sharma (Alumni Head); and Kartik Sharma (Alumni Co-Head).

The ChemSoc has till now successfully organised all six Colloquium lectures - both online and offline. The very first lecture of the session 2022-23 i.e. the fifth lecture of the Colloquium Series was on 'Recent Successes in Continuous Catalytic Routes for the Selective Synthesis of

Bio-sourced Chemicals' on 29<sup>th</sup> September 2022. Prof. Dr. Christophe Len, FRSC, was the eminent speaker for the event. The speaker discussed different types of catalysis and the beneficial impact of ICHEM.

The sixth lecture of the Series was on 'Rare-Earth Metal-Organic Frameworks' conducted on 24<sup>th</sup> February 2023. Dr. Ashlee J. Howarth, Concordia University Research Chair at Concordia University in Montreal (Canada), who was invited introduced the various research areas associated with MOFs, such as synthesis catalysis and enzyme encapsulation. She talked about the RE-MOFS Research Programme, SHP topology and sustainable synthesis.

The Alumni Speak is another interactive series which provides the students with a chance to interact with the Alumni, get to know about their success journey, and learn many things from their experiences. This helps them in getting proper guidance for their future initiatives. The first Alumni Speak Event of this session was held on 31<sup>st</sup> October 2022 to discuss the career opportunities after graduation. It was addressed by Dr. Abhishek Kumar Singh, a post-doctoral fellow from Freie Universität, Berlin, Germany. He intensively discussed the process of getting admission into foreign universities and ways to excel there.

Another lecture under the same series was organised on 21<sup>st</sup> January 2023 that discussed the career journey of five speakers who had completed their undergraduate at KMC itself. The panellists shared bits of their journey on how to get into the prestigious Master's Degree college(s) and demonstrated a pathway to the young college students. They discussed the importance of reading books, solving past-year question papers, preparing concise notes for exams, the importance of different Societies in the college life, and the opportunities to study abroad.

An Inaugural lecture on recent advances in Drug Design and Development was held on 24<sup>th</sup> November 2022. Prof. Sunil Kumar Sharma was the eminent speaker. He discussed the importance of drugs and their synthesis, the Pharma Drug Cycle, and the various side effects of drugs.

The culture of Fest and fun events has always been prevalent in the Delhi University campus. Due to COVID-19, all this was put to a halt. But, with the reopening of the institutions, everyone herein has revived that culture and successfully organised the Official Fresher's Party - Synergy 23 for the batch of 2022-26 on 7<sup>th</sup> February 2023. The event was attended by students with great enthusiasm, and they got to interact with their seniors. It was great fun with everybody enjoying several dances and singing performances.

This year, The ChemSoc organised the very first lecture of its new lecture series, Nobelium, on 'Click Chemistry: A Nobel Prize Reaction, the Growing Impact in Glycoscience' on 20<sup>th</sup> February 2023. Prof. Vinod Kumar Tiwari, Department of Chemistry, Institute of Science, Banaras Hindu University, was the eminent speaker for the event. Dr. G. L. Sharma, a former scientist at IGIB, Delhi was the special guest. He talked about the importance of biomedical sciences and highlighted the importance of the research work. Prof. Tiwari gave an interactive lecture on Click Chemistry and Click Reactions in Carbohydrate Chemistry and triazole-appended glycodendrimers. The lecture covered various compounds and methodologies,

including Bertozzi Methodology, One-Pot Three-Enzyme Synthesis, and CuAAC-Click Inspired Synthesis. The lecture was informative and engaging with the discussion of real-life applications of the compounds.

Last but not least, the Society recently organised the most awaited Annual Departmental Fest – KHRUSOS'23, which was a 2 day event. Inaugural lecture on 'Chemical Ways of finding Neuropathic Biomolecules ' on 22<sup>nd</sup> March 2023 by Prof. Biswajit Kundu, IIT Delhi. He discussed proteins getting misfolded due to which they function abnormally and result in various abnormalities in the human body. He talked of various types of diseases being caused by the mis-folding of amyloids like Alzheimer's and Parkinson etc. and their successful prevention methods. The Society also organised various games and competitions for the students of different colleges and departments. There has been an arrangement of amazing food, books and game stalls. There were various competitions and games held on both the days that included Oral and Poster Presentation, Quiz, Open-Mic and Treasure hunt and Debate competitions etc. Winners of all these competitions were provided with exciting gift hampers and certificates. The grand success of this event is clearly an example of successful teamwork and cooperation of members of Department of Chemistry.

### **INDUSTRIAL VISIT TO SUN PHARMA, GURUGRAM:**

The Department organised an Industrial Visit to Sun Pharma on 19<sup>th</sup> April 2023 under the guidance of Dr. Bhagat S. Bhakuni. Visit Comprise 46 final-year students B.Sc. (H) III<sup>rd</sup> Yr. and B.Sc. III<sup>rd</sup> Yr. Analytical Chemistry students along with additional two faculty member, Dr. Jai Prakash Chaudhary and Dr. Swati Bishnoi. Students were provided with refreshments and were moved to the auditorium where they were explained about the motto, vision and working in Pharma industrial setups. Students visit three important section at Sun Pharma:

**API Section:** This department works on the synthesis of compound which is bioequivalence to patent drugs.

**Analytical Department:** This department uses various chromatography techniques (majorly using HPLC & LC chromatography), spectroscopy (using FTIR, UV, XRD).

**Formulation Section:** This department works on the final stage of drug manufacturing where API and excipients are mixed.

Students were well motivated, encouraged and enlightened by Industrial Visit and learnt significant aspect of Pharma companies and various career option available for chemistry graduates.

Overall, the Department of Chemistry (KMC) had a successful year with achievements in research, teaching, and service. The Department is committed to continuously improvise and look forward to another year of progress and innovation. Finally, the Department is pleased to announce the appointment of 14 new faculty members on a permanent basis, who bring with them diverse research interests and expertise, and will contribute to the Department's continually accelerated growth and success.

## DEPARTMENT OF COMMERCE

**Teacher-in-Charge: Mr. Pankaj Solanki; Staff Advisor: Mr. Vipin Kumar**

The Department of Commerce's Society is known as COMSOC which Mr. Vipin Kumar is running as the Convener for the year 2022-23. The Society has Dr. Aishwarya Nagpal as the Co-Convener. The Society has been successfully in moving towards creating a vibrant academic environment under the mentorship of the advisors and the team members. This Society is an association of students that represents the Department of Commerce. It is one of the most eminent and fulgent Societies of the institution. Office bearers of the Society are – President: Vanshita Sharma, Vice-President: Rohan Fulwari, General Secretary: Akshat Gandhi, Secretary: Apoorv Arora, Event Heads: Aditi Gupta, Aryan Kapoor and Gunjan Bhatia, Marketing Head: Japneet Kaur, Corporate Head: Nandini Pandey, Content Head: Shreya Sharma, Technical Heads: Poorva Narang and Kashish Mehta, PR & Promotions Head: Bhumica Gupta and Mohit Grover, Administration & Treasury Head: Shouraya Miglani, Operations & Logistics Head: Pulkit Mittal, Creative Head: Arushi Rajpurohit, and Alumni Relations Head: Avni Jain.

The Society works with a view to foster social and intellectual activity among the students through talks, lectures, group discussions, competitions, seminars, and conferences throughout the year.

The COMSOC takes utmost pride in its 4A's namely Aarohan, Advent, Appulse and Adieu.

- *Aarohan*: It is what infuses the young blood into the Society. The orientation programme welcomes the new recruits into the Society and marks the first step of their COMSOC journey.
- *Advent*: It is a one-day inter-college event which gives a spectacular chance for the new members to showcase their skills in organizing and event management.
- *Appulse*: It is an inter-college initiative which attempts to bring together the creative potential of young minds in the University. Sharing a common dream, the Society grooms itself every year to excel and add new dimensions.
- *Adieu*: Last, but not the least, Adieu, is the Farewell that the Society hosts for the senior year students in order to celebrate their graduation and college life and bid them bon voyage for their journey ahead.

The last academic year 2022-23 witnessed many activities of the Society as follows:

**APPULSE'22**: The COMSOC conducted its Appulse'22 on 24<sup>th</sup> & 25<sup>th</sup> April 2022. An array of events and competitions spread over 2 days tested the intelligence and creativity of students across the University by putting them in dynamic events. It brought 4 intriguing events to the table this year, namely Lyons Range X, Madness in Multiverse - an auctioning event, NBA- a trading event, and Phantom - The Treasure Hunt. The Society successfully pulled off Aspirations 2022, a flamboyant speaker session, as a part of its Annual Flagship Event -

Appulse on 26<sup>th</sup> April 2022. Every year, the Society invites illustrious personalities from allwalks of life, and allows the students of the College to meet real-life epitomes of successful personas, witness the charisma of their personalities and get engaged in some enriching and fascinating discussions.

This year we had the following eminent personalities on board: Mr. Anant Ladha, a distinguished Chartered Accountant, Certified Financial Planner, Chartered Financial Analyst Level 3 candidate and has conducted 200+ Financial Literacy Sessions covering more than 15000 people. He is the founder of INVEST AAJ FOR KAL. Another personality was Mr. Nishkarsh Arora, an Indian, Calisthenics Athlete, Founder of Delhi based start-up ‘Koozies Ice Cream’ and a dancer. He is a TV Star who made his debut in the Popular Youth show MTV Roadies. Last personality was Mr. Anil Swarup who is the author of ‘Ethical Dilemmas of a Civil Servant’ and ‘Not Just a Civil Servant’. He is a former civil servant belonging to the Indian Administrative Service (IAS). He held the post of Secretary to the Government of India from 2014 to 2018 in the Ministry of Coal and subsequently in the Department of School Education.

### **ADIEU‘2022**

Adieu is a name of the Farewell that the Society hosts for the senior year students to celebrate their graduation and college life and bid them bon voyage for their journey ahead. It took place on 5<sup>th</sup> May 2022 this year.

### **ADVENT‘22**

With the notion of reviving the age-old DU culture after the corona pandemic, The COMSOC conducted its first offline Semi-Annual Fest Advent‘22 on 23<sup>rd</sup> September 2023. This one-day inter college event consisted of three sub-events namely, Lyon’s Range 12.0 - The Mock Stock Competition, Campus Diaries - One-of-a-kind treasure hunt, and Show-biz - A trading event, based on OTT platform and series. The Fest provided a platform for various like-minded participants to test their intellect and challenge it at the same time. With a great number of participants from throughout the Delhi University and beyond, ADVENT‘22 was marked with great success owing to the combined efforts and dedication of the entire Team COMSOC.

### **AAROHAN‘22**

The COMSOC organized its Orientation Program Aarohan‘22 for the first-year students of the Department on 21<sup>st</sup> November 2022. It was aimed to welcome the enthusiastic first-year students of the Department into the Society’s illustrious fold. The meticulously planned Orientation Programme served as a primary platform for the eager newcomers to gain profound insights into the inner workings and lofty aspirations of the Society. The experienced representatives and heads of the Society left no stone unturned in clarifying the intricate nuances and the multifaceted aspects of the Society, and patiently solved all queries and apprehensions of the inquisitive first years with precision.

### **FRESHERS’ – AAGAZ**

The Society hosted the Department’s First-Year’s students in one of its kind Departmental

Freshers'- AAGAZ on 4<sup>th</sup> February 2023. The theme of the Freshers' was 'Jab Reel Met Real' which offered a first-hand experience of the dreamy Bollywood college life people generally yearn. It was where the students got to dress as their favourite Bollywood/fictional characters. The faculty, the seniors and the juniors all came together to mark the commencement of the college life for the batch 2025-26. The event was marked by an astounding talent show with dance, drama and songs with exciting prizes and titles.

## DEPARTMENT OF COMPUTER SCIENCE

**Teacher-in-Charge: Dr. Mamta Sarin; Staff Advisor: Dr. Geethanjali Kher**

The Department of Computer Science made continuous and valuable contributions to the learning and growing process of both students and teachers in this session. Staff Coordinators for the academic session 2022-23 were Dr. Mamta Sareen, Ms. Shikha Jain.

The third year began their session in July and second years began in August. The Orientation Program for the first year students was held on 02<sup>nd</sup> November 2022. Teachers provided various facets of information about the College, courses, extracurricular activities and different Societies along with rules and regulations to the enthusiastic batch of the first year. The students also got an opportunity to interact with their faculty members like Dr. Mamta Sareen, Ms. Geethanjali Kher and Ms. Shikha Jain. This session was followed by the Orientation Programme of The Computer Prodigies, the Computer Science Society. The first-year students got to know more about the Society and its working along with various events that were held in the past. They also interacted with the second and third-year students of the Department.

The Computer Prodigies, the CSS organized several interesting events this academic year: On 19<sup>th</sup> & 20<sup>th</sup> January 2023, the Society hosted Tech Talks, in which current and emerging technologies were addressed through seminars and workshops led by experts. There were a total of 4 seminars and 1 workshop held in the Academic Auditorium. The speaker of the seminars and workshop were as follows:

Mr. Shashank Yadav, a well-respected senior software engineer at the prescient healthcare group, spoke on the topic 'Machine Learning'. He held an interactive session on Machine Learning in which the students were explained in great detail about different kinds of Machine Learning models, Artificial Intelligence, Deep learning, and much more.

Ms. Nidhi Sharma who spoke on the topic 'Personal Branding' is presently working at Adobe as a software development engineer. She is also an influencer with more than 30,000 followers. In her talk, the students were able to learn different methods to present themselves on social media and how to be consistent in building a growing their brand.

Dr. Pinaki Chakrabarty, a Professor at the Netaji Subhash University of Technology, spoke on the topic 'Human-Computer Interaction: Software for everybody' and made everyone understand the importance of Human Computer Interaction and how it has helped us in the

present world. He used excellent examples to discuss the points we should keep in mind while creating a friendly user interface.

Mr. Sandeep Rawat, CTO and Co-founder of OpsTree Solutions, spoke on the topic 'DevOps'. He discussed different job opportunities in the field of DevOps and its different types like GitOps and FinOps. He was very interactive and ebullient session.

Mr. Aman Mittal, a User Experience Designer at DigiLocker, presented a workshop on the topic 'UI/UX Designs' against which students were divided into groups of five and he demonstrated how to create a successful UI/UX design using a case study on *How to Make Public Transportation More Safe and Accessible*.

An Annual Technical Festival i.e. Technival 7.0 was held on the 27<sup>th</sup> March 2023. In this Fest, several events were organized; they aimed at promoting the application of real-world problems. The Fest featured seven different events that took place throughout the day. The events were as follows-

1. **Hackathon:** The hackathon was conducted in online mode for 24 hours. It aimed to promote creativity, teamwork, and problem-solving skills among students. After 24 hours of intense work, the solutions were evaluated by a panel of judges based on creativity, originality, and technical skills. The event was a big success, and encouraged the use of technology for social impact, and provided a platform for students to enhance their technical skills.
2. **Artista:** Artista was a digital drawing competition that aimed at promoting digital art as a form of creative expression. The topic for the same was 'If AI is human, how it will work.' The participants were judged based on the creativity, technique, originality, and overall aesthetic appeal of the drawing. The winner showed a diverse range of subjects, styles, and techniques. The event was detrimental in providing artists with a platform to exhibit their technical skills and creativity. The event was a success in assisting digital art as an expression and encouraged more people to explore this medium.
3. **Meme War:** Meme war was a meme-making competition in which students were asked to make memes on the topic programmes under G20 SUMMIT 2023. The participants were evaluated based on originality, humor, and relevance to the given theme. The event was a great success and it aided students to show their creativity and humor. It also promoted memes as a medium of creative expression.
4. **FIFA:** FIFA gaming event in which many students who are passionate about gaming and soccer took part was organized. Gaming consoles as well as screens were provided for the same. The participants were divided into groups and they played against each other in a knockout format in which the last two remaining players competed for the championship title. The event was overall a success and provided entertainment and an opportunity for students to connect and build a sense of community.
5. **Code Uncode:** Code-Uncode event promoted logical thinking and problem-solving skills in students. The participants were required to code their solutions in a given time frame of 1 hour. The students were required to solve a series of complex code problems. It provided a platform for students to test their coding and decoding skills. Students were

judged based on the correctness, readability, and efficiency of the code.

6. **Treasure hunt:** It was a non-technical event conducted to promote teamwork, problem-solving skills, and exploration among students.
7. **Open mic:** It was the concluding event of the day, which provided a platform for individuals to express themselves and their talents. Dance performance by The Sensation Society was met with enthusiastic applause from the audience. RJ Naved was invited to give away the prizes.

The academic session's tremendous success can be attributed to the teacher's and team members' dedication and cooperation. The Computer Prodigies are resolute in their commitment to sustain their efforts to foster learning and growth.

## DEPARTMENT OF ECONOMICS

**Teacher-in-Charge: Dr. Chitra Verma; Staff Advisor: Dr. Rabi Shankar Prasad**

The Economics Society is a centre of knowledge and research in economics beyond all the walls of a classroom. The Society embraced the new session of 2022-23 with renewed vigor and determination. The session commenced with elections for senior positions with the Orientation Programme on 10<sup>th</sup> January 2023, kicking off the search for a team of leaders to direct the Society towards new heights and continue its legacy of more than 37 years. The rigorous recruitment process concluded on 16<sup>th</sup> January 2023 with a team of 16 enthusiastic leaders with Dhruv Garg as the President, navigating the Society on a new and challenging road ahead.

Further, the elections for the first years commenced on 31<sup>st</sup> January 2023 with an Orientation Programme, kicking off the hunt for leaders of tomorrow. The recruitment process was concluded on the 3<sup>rd</sup> February 2023 with 2 Joint Secretaries elected to guide and mentor the new batch. So, the Office Bearers for the year 2022-23 were – Dhruv Garg (President), Shikhar Kapoor (Vice-President), Ajay Reddy (Chief of Events), Pavitra Singla (Editor-in-Chief), Priyanshu Kumar (Treasurer), Devansh Rastogi (General Secretary), Gaura Kukreti (Co-Editor), and Shantanu and Aryan Sharma (Joint Secretary).

### **Orientation and Freshers**

The Society conducted its Orientation Session under the guidance of Mr. Saumyajit Bhattacharya on 31<sup>st</sup> January 2023 at 2.00 pm. The meeting was rounded up in a span of two hours by the core members and the heads of the Departments. The main agenda was to make the Freshers aware of the various departments in the Society and its working. The meeting started with a brief history of the Society while specifying various alumni associated with it. Moreover, the President of the Society gave a review of 2021-22 and the vision of the Society for the coming session. After the short review, all the heads of different departments explained their workings. The meeting concluded with a discussion about the recruitment process for the Freshers. To welcome the batch of 2025-26, a Freshers Party was organized on 8<sup>th</sup> February 2023 with a unique theme, The Disco 80s. The fun evening was filled with dance, music,

comedy and a Talent Show for choosing Mr. and Ms. Freshers.

### **Townhouse Meet with Mr. Parth Khare**

A Townhouse meeting was organized on 20<sup>th</sup> March 2023 with Mr. Parth Khare, an alumnus from the Department of the Batch 2009, who has worked as an A.I. consultant with the World Bank and has an impressive experience of more than ten years as a Data Scientist. The session sought to enlighten young minds with his invaluable experience on the scope of Public policy and its future prospects along with the role of Artificial Intelligence and data in formulating policies.

### **Session on Careers in Risk Management with GRMI**

A seminar on risk management was held by GRMI (Global Risk Management Institute) with its founder Mr. Puneet Malhotra on 21<sup>st</sup> March 2023. GRMI provides a 1-year post graduate program in risk management and boasts of past placements and internships of PGDRM batches in Deloitte, Mahindra, KPMG, BIBA and various other renowned MNCs. This seminar enlightened the minds of students with the careers in risk management and the applications of the same. It was an insightful session which enlightened the students through real life case studies like that of Johnson & Johnson. The session also informed the students on how to scale risk parameters and respond to the 'risk' with appropriate strategies.

### **The Pareto Time**

The Annual Flagship event of ECOSOC, The Pareto Time, for the year 2023 will take place on 24<sup>th</sup> & 25<sup>th</sup> April 2023. The event will comprise a wide variety of captivating and insightful speaker sessions and various inimitable competitions, along with a Paper Presentation Competitions inviting students to showcase their researches in the field of Economics. With the onset of the new session, the event will also unveil its 37<sup>th</sup> edition of OIKOS, the Annual magazine of The Society. The flagship event will also include brainstorming case competitions and auction rounds along with a debate competition.

## **DEPARTMENT OF ENGLISH**

**Teacher-in-Charge: Dr. Satyendra Kumar; Staff Advisor: Prof. Someshwar Sati**

For a growing community of literature enthusiasts with an interest for analytic reading, The Literary Society of the Department of English, GrubStreet focused this year on how to read. Keeping this in mind, The Grubstreet, organized a number of events in the academic year 2022-23.

The year began with a short story discussion on 'Lihaaf' by Ismat Chughtai, conducted on 2<sup>nd</sup> September 2022 in the presence of Mr. Dhananjay Kapse raising questions about queerness and female sexuality. Threat to the queer desire was one of the major themes of the discussion. A creative writing activity was held in the Department Room on 28<sup>th</sup> September 2022 wherein the participants were provided with a prompt on the spot and they coalesced their thoughts into a prose or a poetry piece. The participants also shared their ideas that went behind their written piece.

An Orientation programme was held on 9<sup>th</sup> November 2022 for the batch of 2025-26. Freshers joined it in great numbers and were briefed about the Society's working and its annual events, followed by an informal interactive session among the students of the Department. A Lecture series was organized which comprised three lectures on how to view a text from different perspectives. On 15<sup>th</sup> November 2022, the first lecture titled "Reading and Analysing Literary Texts through a Feminist lens" by Dr. Anjana Sharma, Professor, Department of English, University of Delhi was organized. Ms. Tanvi Sharma chaired the lecture in the presence of our faculty members. The Lecture focused on how the historical changes affected the societal structure in the 18<sup>th</sup> century and how women writers of this period grappling with their 'internal revolution' finally emerged as rational thinking creatures. She talked about the embracement of fluidity and change in female texts. Women writers like Mary Hayes, Austen, Mary Wollstonecraft and Catherine Macaulay and their contribution formed the basis of the lecture. A mentoring session was organized on 16<sup>th</sup> January 2023 to assist the first year English Department students in academic matters and provide them with helpful advice for writing an academic paper and/or exams.

The next lecture in the Lecture series was on 'Structuralism and Post-Structuralism' by Dr. N. A. Jacob, Associate Professor, Ramjas College (University of Delhi) which took place on 24<sup>th</sup> January 2023. Dr. Saumya Garima Jaipuria chaired the lecture. The lecture acted as a succinct insight into reading literary texts from a Structuralist and Post-Structuralist perspective. Dr. Jacob introduced the students to the foundational backdrop of the concerned theory using the work of Ferdinand de Saussure, Noam Chomsky, Claude Levi Strauss, and so on, by creating an understanding of the theories explicated by these crucial thinkers through examples of Structuralist readings of texts the students were familiar with.

The Grubstreet held elections for the post of the Joint Secretary on 15<sup>th</sup> February 2023 in the presence of Prof. Someshwar Sati. Niyati Garg (1<sup>st</sup> year) has been elected for the position. FTS or Fresher's Talent Show was organized by the first-year students of the English Department on 17<sup>th</sup> February 2023 which comprised of Prose Writing Competition wherein the first year students from various Departments tried their hand at creative writing. The competition was judged by Ms. Neeru Jaiswal, followed by a Monologue Competition wherein students performed particular scenes from plays such as Antigone. The competition was judged by Mr. Rudrashish Chakraborty. The day ended with an Open Mic event with students reciting their self-composed poetry and songs.

The Grubstreet organized its Annual Departmental Fest Bohemia'23 on 28<sup>th</sup> and 29<sup>th</sup> March 2023 on the theme of 'The Chasm between Subjectivity and Objectivity' in line with which all the activities were conducted. Day 1 of the Fest was dedicated to Seminar and Paper Presentations on the 'Social Media and the Politics of Identity Formation'. The idea emerged from the fact that social media has altered our systems of communication and social interaction. With this significant alteration has emerged a shift in the way we construct the 'self'. Prof. Subarno Chattarji (Department of English, University of Delhi) and Dr. Arjun Ghosh (Department of Humanities and Social Sciences, IIT) were invited as the guest speakers who delivered insightful and stimulating lectures of the topics 'Social Media and the Politics of Identity Formation' and 'Understanding Social Media: The Problem of Plenty'

respectively.

Day 2 of the Fest was dedicated to Creative Competitions and an Open Mic event. The day started with the Photography Competition ‘The Last Shutter: I click, therefore I am.’ The competition sought to highlight how one negotiates the notion of subjectivity in objective spaces like Delhi and portray that through photography. There were 12 participants and Mr. Sarthak Ahuja (Cinematographer), an alumni of the Department, was the judge for the photography competition. Another significant work of the Society this year is the production of the Department magazine, Palimpsest, which was launched on the first day of Bohemia on 28<sup>th</sup> March 2023. The published copies were given to the guest speakers, Dr. Arjun Ghosh and Dr. Subarno Chattarji along with the Staff Advisor Prof. Someshwar Sati and Mr. Rudrashish Chakraborty. The theme for the issue was ‘Memory and Illusions’, featuring ‘Dasht-e-Tanhaii’ by Anusha Khan and ‘Memory, Trauma and History in Toni Morrison’s Beloved’ by Anushka Pragma.

## DEPARTMENT OF GEOGRAPHY

**Teacher-in-Charge: Dr. Karuna Shree; Staff Advisor: Dr. Khusro Moin**

The Department has organised various academic and extra-curricular activities during the academic year 2022-23. The activity begins with the Teacher’s Day celebration on 5<sup>th</sup> September 2022. The students have organised this event full of liveliness and greetings.

The Onam celebration was organised on 6<sup>th</sup> September 2022, focusing on giving the students and faculty a cultural glimpse of the festival. This event was a lifetime experience for the students.

The Department democratically elects student representatives every year for the *Geography Association*. It is the Geographical Society, that organises the Department’s Fest and other extracurricular activities. This year the elections were held to elect the President, Senior Vice President, General Secretary and Treasurer on 27<sup>th</sup> September 2022. The students of the 2<sup>nd</sup> and 3<sup>rd</sup> years participated in the electoral process. Elections for the post of Vice President and Joint Secretary took place on 31<sup>st</sup> January 2023, since the first-year admissions were completed in the month of November 2022. The members are President: Anurag Shukla – 3<sup>rd</sup> year; Senior Vice President: Akshay Preet – 3<sup>rd</sup> year; Vice President: Parmeshwar Kumavat – 1<sup>st</sup> year; General Secretary: Shushikshita Garg – 2<sup>nd</sup> year; Joint Secretary: Yogesh Detha – 1<sup>st</sup> year and Treasurer: Yash – 2<sup>nd</sup> year. Dr. Md. Baber Ali with Dr. Vijendra Kumar Pandey conducted the elections.

The Department also organised an interactive session for the “Differently abled students and their problems” on 4<sup>th</sup> November 2022. This programme was organised to understand and find an appropriate way to address the issues of special students.

The Department also organised a one-week Training Programme on Disaster Risk Reduction Measures for Urban Resilience, organised by the National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India in collaboration with the College during 14-18 November 2022. The objectives of this training programme were to understand the disaster management scenario of the country and Delhi in particular and provide a detailed domain function of the Disaster Mitigation and Management. It also focused to impart the knowledge of disaster management cycle: pre and post-disaster management, disaster preparedness, vulnerability assessment and risk reduction in urban spaces. A broad understanding of the seismic risk assessment of structural and non-structural components in and of the institutional buildings with special focus on the College itself; and understanding disaster mitigation of fire hazards through fire audits and relevant control measures, with demonstrations from the Fire Services Department.

The Department also organized a one-day field study at Indian Meteorological Department (IMD), Lodhi Road, New Delhi on 1<sup>st</sup> December, 2022 from 9:30 am to 5:00 pm. A group of 46 students from 2<sup>nd</sup> year along with the faculty coordinator Prof. Anshu, Dr. Karuna Shree and Dr. Vijendra Kumar Pandey visited different divisions of IMD.

The students visited Central Hydro Met Observatory and learned about the daily observations of rainfall, wind speed and direction, soil temperature, and ambient temperature. The National Centre for Satellite Meteorology was the next stop for the students to learn about satellite communication and its function in weather reporting and monitoring in India. The National Weather Forecasting Centre hosted the students, who received an introduction to weather forecasting, its methodology and its significance. The visit enhanced the knowledge of meteorology and climatology among the visitors through learning in the field – transforming from armchair geographers to field geographers.

The Department and National Service Scheme (KMC) in association with the District Disaster Management Authority organised Mock Exercise to generate awareness amongst the Staff and students of the College regarding disaster risk management. The Central District Disaster Management Authority organised a drill on 20<sup>th</sup> January, 2023 at 11:00 am. The DPO-DDMA, Central, Shri Harish Mathur, conducted the programme. The members of Civil Defence, Delhi Fire Service, Delhi Police and Department of Health Services participated in it. The students specially from NSS and the Department along with the faculty members were briefed regarding the vulnerable points in the College Campus. About 300 students participated in the drill. The major observations were – Main Gate is small and in case of a major disaster big Fire engine cannot pass through it. The height of the portico restricts the movement of a fire engine and the Canteen area is inaccessible. Alarm systems, fire hydrants and assembly areas in case of disasters need to be identified. The helpline number of DM response is 1077.

The ‘Fresher Party’ to warmly welcome our First Year Students was organised by the Department on 20<sup>th</sup> January, 2023. It was an event organised by the “Geographical Society and Senior students” to welcome the new students to the College. This event has given an opportunity for new students to interact with seniors and showcase their talents through poetry, mimicry, dance, quiz etc.

A Capacity Building Programme for Healers in Public Health in Higher Education CBH: HHH 2023-25 and Outlive Enabling Youth to address Suicide Prevention were organised by Prof. Seema Mehra Parihar, Programme Director, CBP: HHH and Fellow DSPH, Institute of Eminence, DU on 7<sup>th</sup> February 2023.

“GEOTIME” is one such event which is the Annual Fest, which provides a platform for students to showcase their skills and talents in various fields. GEOTIME 2023 was held on the 15<sup>th</sup> & 16<sup>th</sup> February, 2023 with a resounding success. Despite the challenges, the organizers managed to put together an impressive event that was well-received by students, faculty members, and guests from other colleges and universities.

The current year’s issue of Geoline was titled ‘Global Turmoils: World Order Engulfed in a Swirl of Chaos’. Everybody appreciated the efforts of the Geoline team and acknowledged the significance of the magazine in creating awareness and understanding of global issues among the college community. The audience left the event feeling inspired and informed, with a renewed sense of responsibility towards the world we live in.

The two-day event was packed with a wide range of activities and events. The Fest began with the lecture of the renowned Retd. Scientist Dr. Ramesh Kumar from the National Institute of Oceanography, Goa, who was also the Chief Guest for the day. He emphasized the assessment of climate change over the Indian Subcontinent. He also spoke about the role of geography in addressing climate change and the melting of Antarctic glaciers. He also spoke about the polar regions’ ecological imbalances and how they magnified the ongoing struggle between humans and the environment. The Fest had several events on the first and the second day. The first day involved the Extempore, Flag Trivia and the K. K. Majumdar Memorial Debate. The extempore covered a diverse range of topics such as “Environmental Challenges and Sustainable Development”, “Ukraine-Russia Conflict” and “Equity-Efficiency debate”. The students shared their knowledge on these pressing issues.

The K. K. Majumdar Memorial Debate competition was a highly anticipated event at the College level, with students and faculty members eager to witness the intellectual prowess of the participants. The competition was intense with participants from various departments, showcasing their persuasive skills and critical thinking abilities.

The second day started with Nukkad Natak, by Amrita Group of Theatres, on awareness of laws on Acid Attacks. The play was held in the Library Lawn, and was attended by the college students in good numbers. This was followed by a Legal Awareness session by Panel Advocate, Ms. Sarika from the DLSA on laws on the acid attack. The second day comprised events like Map Pointer, Poster Making and the GeoQuiz. The posters covered a wide range of topics, including climate change, biodiversity conservation, land use patterns, and many more. The posters were evaluated by a panel of judges consisting of Professors from the Department, and the winners were awarded certificates and prizes.

The Department organised a compulsory Field Trip for B.A. (Hons.) Geography 2<sup>nd</sup> year, 4<sup>th</sup>

Semester and 3<sup>rd</sup> year, 6<sup>th</sup> Semester students 2022-23 to Manali-Solang Valley-Kasol-Manikarn, Himachal Pradesh from 14<sup>th</sup> to 20<sup>th</sup> March 2023. The Tour-in-Charge for the second-year students was Prof. Anshu who was accompanied by Dr. Jeetesh Rai and Dr. Vijendra Kumar Pandey.

The students conducted Field Work on Tourism Potential and the impact of Covid 19 in the study area; Solid Waste Management, Livelihood challenges in the mountain area and Disaster Risk Assessment and Preparedness in the vulnerable Himalayan ecosystem during the five days of their stay. Forty eight students accompanied by three faculty members (Prof. Anshu, Dr. Jeetesh Rai & Dr. Vijendra Kumar Pandey) interviewed the respondents through structured questionnaires. A field experiment on the Beas River and Parbati River to measure the river velocity was demonstrated. The weather was cold with the temperature falling below 0°C in Manali and near Atal Tunnel. The team experienced mild to heavy snowfall near the tunnel while it rained incessantly in Kasol and Vashishth Kund areas. The geothermal hotspots of Manikaran gave the students an insight into the Geology of the Himalayas and the intrusive volcanic activity. All along the mountains, debris deposition was observed on the slopes. Students analysed the channel morphology of the rivers – Beas, Parbati and other tributaries. Identification and differentiation of vegetation types such as Deodars and Pines made an interesting study. Students felt enriched as this was their first experience of interacting with the physical environment.

The Tour-in-Charge of 3<sup>rd</sup> year students was Dr. Mohammed Baber Ali, accompanied by Dr. Vinod Kumar. The students visited many disaster sites and learned about mitigation and management practices. It has allowed students to apply classroom-based knowledge to the real environment.

## DEPARTMENT OF HINDI

**विभाग प्रभारी: प्रो. बीना जैन; संयोजक: डॉ. अमन कुमार, डॉ. ऋतु वाष्णीय गुप्ता एवं डॉ. मंजू रानी**

‘आज़ादी का अमृत महोत्सव’ के तहत दिनांक 15 अगस्त 2022 को हिंदी विभाग द्वारा ‘हर घर झण्डा’ कार्यक्रम का आयोजन किया। यह आयोजन ‘स्वरचित काव्य पाठ प्रतियोगिता’ के रूप में किया गया। विभाग प्रभारी प्रो. बीना जैन के उद्बोधन के साथ कार्यक्रम का आगाज़ हुआ। कार्यक्रम में प्रतियोगिता आयोजन के बाद विभाग के सभी प्राध्यापकों ने काव्य पाठ किया। कार्यक्रम के निर्णायक मण्डल में प्रो. नामदेव और प्रो. बली सिंह शामिल थे। अंत में प्रो. नामदेव सर ने निर्णय की घोषणा और डॉ. ऋतु वाष्णीय गुप्ता के धन्यवाद के उपरांत राष्ट्रगान के साथ कार्यक्रम का विधिवत समापन हुआ। कार्यक्रम के समन्वयक के रूप में डॉ. ऋतु वाष्णीय गुप्ता और डॉ. मंजू रानी, संचालक के रूप में शहवाज़ और आकाश, प्रतियोगिता पंजीकरण व रचना संकलन के रूप में लक्ष्मी थे। प्रतियोगिता में विजेता – प्रथम: कनिष्का तिवारी, द्वितीय: अंजली और तृतीय: शहवाज़ रहे।

### दिवस हिंदी

हिंदी भाषा के निर्माण में बोलियों का अभूतपूर्व योगदान है। हिंदी दिवस के अवसर पर

दिनांक 14 सितम्बर 2022 को हिंदी सृजन संस्था की ओर से एक संगोष्ठी का आयोजन किया गया जिसमें डॉ० पल्लव, संपादक बनास जन पत्रिका मुख्य वक्ता के रूप में शिरकत किए। द्वितीय वक्ता के रूप में डॉ० धर्मद्र प्रताप, अध्यापक, हिंदू कॉलेज राष्ट्रीय शिक्षा नीति और हिंदी की स्थिति जैसे विषयों पर संभाषण दिया। इस कार्यक्रम में विभिन्न अध्यापकों के साथ प्रोफेसर बीना जैन, संयोजक डॉ० अमन कुमार, डॉ० ऋतु गुप्ता, सह-संयोजक के रूप में डॉ० मंजू रानी, शैलेंद्र कुमार, डॉ० मनीष कुमार, डॉ० अरुण पांडे के अलावा अन्य विभागों से आए हुए कई प्राध्यापक भी शामिल हुए।

### जयशंकर प्रसाद महानता के आयाम: एक विमर्श

वरिष्ठ प्रोफेसर करुणा शंकर उपाध्याय, हिंदी विभाग, मुंबई विश्वविद्यालय; प्रोफेसर आनंद प्रकाश त्रिपाठी, आचार्य एवं अध्यक्ष हिंदी व संस्कृत विभाग हरिसिंह गौर विश्वविद्यालय, सागर; प्रोफेसर सत्यकेतु सांकृत, संकाय अध्यक्ष, मानविकी, अंबेडकर विश्वविद्यालय, दिल्ली; श्री राकेश पांडे, संपादक, प्रवासी संसार; और श्री विजय शंकर प्रसाद, महाकवि जयशंकर प्रसाद न्यास आदि सभी के समक्ष दिनांक 16 सितम्बर 2022 को 'जयशंकर प्रसाद महानता के आयाम' पुस्तक पर राष्ट्रीय संगोष्ठी का सफल समापन हुआ। राष्ट्रीय संगोष्ठी की सफलता के लिए 'आज़ादी का अमृत महोत्सव' की टोली प्रो.राकेश पांडेय, प्रो. शोभा कौर, प्रो. बीना जैन, डॉ. ऋतु, डॉ. मंजू रानी के संग अन्य सभी साथियों का विशेष सहयोग रहा।

### विश्व हिंदी दिवस

'विश्व हिंदी दिवस' के अवसर पर किरोड़ीमल महाविद्यालय के हिंदी विभाग की 'सृजन संस्था' द्वारा दिनांक 10 जनवरी 2023 को एक कार्यक्रम का शुभारंभ किया गया जिसके मुख्य वक्ता के रूप में हिंदी भाषा के गंभीर पाठक और प्रचारक, भारत सरकार के संसदीय कार्य मंत्रालय के हिंदी सलाहकार समिति के नामित सदस्य प्रो. हरेंद्र सिंह थे। इसके अतिरिक्त कार्यक्रम में सान्निध्य के रूप प्राचार्य प्रो. दिनेश खट्टर, कार्यक्रम संयोजक: डॉ० अमन कुमार, डॉ० ऋतु वाष्णीय गुप्ता, कार्यक्रम सह-संयोजक: डॉ० मंजू रानी, शैलेंद्र कुमार सिंह और विभाग प्रभारी प्रो. बीना जैन उपस्थित रहे। सृजन संस्था द्वारा आयोजित इस कार्यक्रम का विषय था - 'हिंदी का वर्तमान परिदृश्य'। मंच संचालन की जिम्मेदारी को आकांक्षा इंदौरिया ने वहन किया। कार्यक्रम की शुरुआत सरस्वती वंदना से हुई और मुख्य वक्ता प्रो. हरेंद्र सिंह के गंभीर एवं तर्कपूर्ण वक्तव्य के बाद छात्रों द्वारा विषय से संबंधित पूछे गए प्रश्नों पर चर्चा भी हुई। अंत में हिंदी विभाग के प्राध्यापक प्रो. बली सिंह ने सभी को धन्यवाद ज्ञापित किया। राष्ट्रगान के साथ कार्यक्रम का विधिवत सफल समापन किया गया।

### अंतर्राष्ट्रीय मातृभाषा दिवस

'आज़ादी का अमृत महोत्सव' एवं 'शिक्षा संस्कृति उत्थान न्यास' के संयुक्त तत्वावधान में दिनांक 13 फरवरी 2023 को अंतर्राष्ट्रीय मातृभाषा दिवस के शुभ अवसर पर एक 'लोकगीत प्रतियोगिता' का आयोजन किया गया। इस कार्यक्रम में आयोजित प्रतियोगिता के निर्णायक के रूप में डॉ० संध्या, डॉ० प्रतिभा, डॉ० संदीप लांबा और डॉ० दीपक सैनी ने कार्यभार सम्हाला। कार्यक्रम के मुख्य अतिथि के रूप में प्राचार्य प्रो. दिनेश खट्टर, कार्यक्रम के मुख्य संयोजक: प्रो. राकेश कुमार पाण्डेय एवं डॉ० मंजू रानी, कार्यक्रम-संयोजक: डॉ० ऋतु वाष्णीय गुप्ता, डॉ० विनय कुमार, शैलेंद्र कुमार सिंह और हिंदी विभाग के अन्य प्राध्यापक प्रो. नामदेव, प्रो. प्रजा, डॉ० मनीज कुमार, डॉ० आलोक कुमार एवं डॉ० वेद प्रकाश उपस्थित रहे।

सभागार में मौजूद सभी सदस्यों से मातृभाषा में हस्ताक्षर करवाया गया। कार्यक्रम में डॉ० ऋतु वाष्णीय गुप्ता ने विद्यार्थियों का मार्गदर्शन एवं प्रोत्साहन किया। इस प्रतियोगिता के लिए विभिन्न कॉलेज के प्रतिभागियों ने पंजीकरण किया था। प्रतियोगिता की शुरुआत

सरस्वती वंदना से हुई। राजस्थानी, मैथिली, अंगिका, बूंदेलखंडी, भोजपुरी, अवधि, मगही, पंजाबी और बंगाली जैसे लोक गीतों को गाकर सभी प्रतिभागियों ने जोशीले एवं मार्मिक अंदाज में अपनी प्रस्तुति दी। प्रतिभागियों के कलात्मक गानों की सुंदर प्रस्तुति ने इस कार्यक्रम को सफल बनाया। कार्यक्रम की प्रस्तुति के बाद प्रो. राकेश कुमार पाण्डेय ने विद्यार्थियों का मार्गदर्शन किया और साथ ही प्रतिभागियों की प्रस्तुतियों पर विचार भी प्रकट किया। प्रो. पाण्डेय एवं डॉ० मंजू ने फिर लोकगीत भी प्रस्तुत किया।

प्रतियोगिता के परिणाम में अधोलिखित नाम घोषित किए गये: (1) संजीव कुमार (रामजस कॉलेज), (2) बलजीत सिंह (हंसराज कालेज), (3) राजा सिंह परमार (किरोड़ीमल कॉलेज) व श्वेता कुमारी (दौलतराम कॉलेज)। सभी प्रतिभागियों को प्रमाण पत्र और विजेता प्रतिभागियों को प्रमाण पत्र के साथ विजित राशि को दिया गया। कार्यक्रम के अंत में राष्ट्रगान गाया गया तथा कार्यक्रम का विधिवत एवं सफल रूप से समापन हुआ।

### लेखक से संवाद

किरोड़ीमल महाविद्यालय के 'हिंदी विभाग' द्वारा दिनांक 16 फरवरी 2023 को कार्यक्रम का आयोजन किया गया। कार्यक्रम के मुख्य वक्ता के रूप में हिंदी के वरिष्ठ आलोचक, कवि और गद्यकार डॉ० विश्वनाथ त्रिपाठी रहे। इसके अतिरिक्त कार्यक्रम के सान्निध्य के रूप में प्राचार्य प्रो. दिनेश खट्टर, संयोजक: डॉ० अमन कुमार, डॉ० ऋतु वाष्पण्य गुप्ता, डॉ० मंजू रानी तथा डॉ० बीना जैन और डॉ. बली सिंह भी उपस्थित रहे। मंच संचालन का कार्यभार आकांक्षा इंदौरिया ने सम्हाला।

इस कार्यक्रम का विषय 'लेखक से संवाद' था जिसमें डॉ० विश्वनाथ त्रिपाठी ने 'बिसनाथ' से 'विश्वनाथ' बनने तक के सफर को उल्लेखित किया। छात्रों द्वारा डॉ. विश्वनाथ त्रिपाठी के जीवन से जुड़े कई भावनात्मक भी प्रश्न पूछे गए। अंत में हिंदी विभाग के प्रवर प्राध्यापक प्रो. बली सिंह ने सभी को धन्यवाद ज्ञापित किया और राष्ट्रगान के साथ कार्यक्रम का विधिवत एवं समापन किया गया।

## DEPARTMENT OF HISTORY

**Teacher-in-Charge: Mr. Dhiraj Kumar; Staff Advisor: Dr. Amit Kumar Suman**

The Department of History has a great history of events managed and excelled by an enabling unknit, the selection of which happens through a rigorous process. It is why the Leadership Committee's establishment marked the beginning of an exciting academic year for the Kirori Mal College History Department in 2022-2023. The selection of students for various positions of responsibility among the first, second and third years was based on their credentials and the opinion of the department. Each student is in-charge of planning activities and liaising with teachers and asset persons. The Office Bearers of Legacy: The History Society are – Aashi Tyagi & Shiraj Khan: President; Kashvi Sachdeva & Kiran: Vice-President; Saharsh Pandey & Ayushi: General Secretary; Prem Kumar: Joint Secretary; Akshit Kumar Bhadauria & Saurabh Rana: Treasurer; Siddharth & Pankaj: Sports Committee Convener; Pravishiti & Shambhavi: Social Media Committee Convener; Rimi & Muskan: Cultural Committee Convener; and Vanshika: Seminar and Journal Head.

On 20<sup>th</sup> July 2022, a few of Legacy's inquisitive third year and second year students set out to explore the new Pradhanmantri Sangrahalaya at Teen Murti Estate in New Delhi, and brought back these beautiful glimpses of the memories displayed there. The Museum recalls the tenures of 14 Prime Ministers from Jawaharlal Nehru to Manmohan Singh, and the various challenges they faced while leading the country. It tells the story of how our Prime Ministers navigated the nation through various challenges and ensured the progress of the country. Apart from this, the Museum also holds a collection of other exhibits of immense historical importance to India and the world.

The Students of Society organised a Teachers' Day Programme. It was a day full of poetry, songs, love, emotions and nostalgia. Professors shared their experiences of teaching various students through the years. Students made the event interactive and lively.

The Society organised a student-led Conversation on 'Recent Trends in History Writing' with Dr. Arun Kumar on 9<sup>th</sup> September 2022. Dr. Kumar, a Faculty members at the Department of History, University of Nottingham, United Kingdom is a historian of modern India with an interest in social, economic, education and labour history. He gave insightful details on the new historiography that has come up in the recent years, dealing with the questions of how to overcome a historian's own biases in his writing and also highlighted the same through his own recent works.

On 15<sup>th</sup> October 2022, the students of the Department under the guidance of Prof. Shahana Bhattacharya explored the ruins of Kashmiri Gate and Chandani Chowk. The first stop was the Nicholson Cemetery, formerly known as the Old Delhi Military Cemetery, just a few steps away from the Kashmiri Gate Metro Gate No.4. Students uncovered the memories of the 1857 Revolt. Brigadier-General John Nicholson had played a pivotal role in seizing Delhi during the mutiny and was among the first people who were buried there. Following that, students reached the Kashmiri Gate or Kashmiri Darwaza, which was built as a gateway of the fortified city of Shahjahanabad. The Gate symbolised the valour of sepoys of the 1857 Revolt, who assembled behind it and utilised the same to attack the British Forces. Upon going inside, one could find a stone slab memorial that pays tribute to the British soldiers and their Indian subordinates, who faced the rebels, showing the dichotomy of the history.

Following this, they explored the architectural beauty of Dara Shikoh's Library. Set inside the Ambedkar University's campus, the library was later converted into a museum by the Archaeological Survey of India. It is said to be the personal library of the Prince, used for multiple purposes during the Mughal period. But after Dara Shikoh's assassination by his step brother, Aurangzeb, during the battle for the throne, the library lost its importance. Today, it chronicles not only the ill-fated life of Dara Shikoh but also his deep interest in literature and architecture. While roaming through the busy roads of Kashmiri Gate, the students also came across the Old Hindu College which had sadly lost its former glory. The story goes via the phase when St. Stephen's college was founded, it catered only to the Europeans, and Indians were refused admission into the College. In order to give Indians nationalist education, and to stand up against the elitist outlook of St. Stephen's, a Hindu trader set up a college right next to it. Today, it consists of torn up walls with 'ABANDONED' written on them but what

must be remembered here is the opportunity it provided to the Indian students during the colonial times and how it continues to do so in its newer manifestation in the Delhi University Campus now. On the second part of the walk, students set out once again to discover Chandani Chowk with a new lens. The Haveli of Begum Samru, a fascinating woman, who largely remains forgotten, was visited first. Students then went on to visit other sites like Mirza Ghalib's Haveli and Fatehpuri Masjid.

The Society honoured the history of chess, its roots in India and the legacy it carries by organising an intra-departmental chess competition on the 14<sup>th</sup> November 2022. The one-day competition was organised by the Department's Sports Committee. It was run smoothly with the help of volunteers from within the Department. It was the first Departmental event in which the first year students got an opportunity to participate with the second and third year students.

Just after a month of the Departmental excursion on 15<sup>th</sup> November 2022, The Society successfully hosted the 'Certificate Distribution and Presentation of Interim Project Report' on Chandrawal, Urban History Project of The History Society, Kirori Mal College. Guest speaker and Oral historian Dr. Richa Raj from Jesus Mary College History Department and Faculty Coordinator Dr. Shahana Bhattacharya gave valuable insights about the oral history and its importance. The Urban History Project is an initiative undertaken by the Department that imagined and initiated it in a preliminary stage in September 2018 with the aim to record and preserve the oral history of urban villages. Chandrawal was chosen as the focal point of this research due to its proximity to the North Campus. Chandrawal project focuses on observing and understanding the history of this urban village in the bustling markets of Kamla Nagar, which hosts a number of international brands. It is intriguing to ponder over the question of how this rural village of immense historical significance has transformed through centuries in the context of political, social, economic, and structural changes and how it has managed to acclimatise with the changing times. The event was a chance for the current students to reconnect with the former students, who initiated the project and to appreciate their hard work. It was a way to officially thank the batch of 2021 and 2022 for their efforts despite the hardships of the pandemic.

The Society further organised a screening of the movie 'Lincoln', a 2012 American biographical historical drama film, directed and produced by Steven Spielberg, starring Daniel Day-Lewis as United States President Abraham Lincoln on 13<sup>th</sup> January 2023. The film chronicles Abraham Lincoln as he uses his powers as the President of the United States of America, striving to abolish slavery and re-unite his country during the Civil War. The screening was an enriching experience as it familiarised students with the conditions at the time of the Civil War, which was America's bloodiest and the most divisive conflict to have put the Union Army against the Confederate States of America.

The Official Fresher's Function "PARICHAY" for the first years was organised by the Department on 17<sup>th</sup> January 2023. Professors and students both participated enthusiastically in the event. Juniors were introduced first, and then senior students performed activities, music, and dances. The students had the opportunity to demonstrate their talents, and they received

titles such as Mr. and Ms. Freshers, etc. The Department had a great time at the activity, and friendships were solidified.

On 20<sup>th</sup> January 2023, students from the Department visited the 71, Lodhi Estate to participate in a volunteer training course organised by The Indian National Trust for Art and Cultural Legacy (INTACH), which was founded as a volunteer-led organisation with the mission of conserving and preserving India's tangible and intangible heritage. It has set precedents for widening the breadth and bandwidth of heritage, and pioneered an integrated and inclusive approach to its conservation over the years. It has also evolved into a people's movement with a very broad reach that represents all sections of the country with the goal of instilling the concept that every Indian is a natural guardian of his/her distinctive history. INTACH is now regarded as a key think-tank and influencer at the policy, advocacy, and grassroots levels as a result of its extensive and diverse body of work. Since its foundation in 1984, it has been a registered Society and a national level entity, dedicated to the conservation of India's architectural, natural, art & material, and intangible heritage. The workshop began with a brief definition of heritage, followed by a discussion of India's culture and monumental legacy, such as Kalidasa's *Kumarrasm*, describing the Himalayas, the significance of Tiger in life cycle, Sataria the endangered dance, and the relevance of heritage mentioned in Rigveda:10.161.2. The event was then resumed by three famous speakers, Dr. Swapna Liddle, Dr. Ajay Kumar, and Mr. TS Randhawa. They discussed the architecture of the Red Fort, Bada Lao Ka Gumbad (Vasant Vihar), Hastar Minar, St. James Church, and why the Parliament is located in Rasina Hills.

Students then went up for a trip around Lodhi Garden, where they learned about Mohhamed Shah's Tomb, Mehman Khana and other sites. The students were also given a tour of INTACH's preservation labs. At Last, they were given a group task with Mata Sundri College students to create a chart and present what they had done to preserve heritage and how they could contribute to INTACH.

The Society in its series of events also organised its first Heritage walk of the year 2023, led by Professor Shahana Bhattacharya in Coronation Park. The park is often referred to as the Coronation Memorial, and has served as the venue for the Delhi Durbar of 1877 when Queen Victoria was proclaimed the Empress of India. It was later also used to celebrate the accession of King Edward VII in 1903 and it was here that the Durbar commemorating the Coronation of King George V as the Emperor of India took place on 12<sup>th</sup> December 1911. The decision to hold the Coronation Durbars in Delhi at the vast open ground at Coronation Park was a move to emphasise the historical significance of Delhi as the former capital of the Mughal Empire and then the new capital of the British Empire. The main question explored by the students throughout this walk was how nations build their histories and how they deal with the parts of history that are uncomfortable. Following the Independence of India on 15<sup>th</sup> August 1947, the park has become the final resting place for some of the statues of the former British kings, governors and officials of the British Raj. The statues were moved from various locations, including Rajpath to the red stone plinths built in the park. The idea was to preserve the history that is stored in those statues however, toning down their former glory and power. The park hosts the largest and tallest statue, 15 meter high, of King George V, designed by Sir

Edwin Lutyens. This statue earlier stood atop a canopy in front of the India Gate, which now holds a statue of Netaji Subhash Chandra Bose. The other statues are those of Sir Guy Fleetwood Wilson and Viceroy Lord Willingdon, Lord Irwin, and Lord Hardinge. The park also has a Coronation Memorial, erected as an obelisk in the sprawling Coronation Park which is made up of sandstone, standing at exactly the same location where all the three Delhi Durbars were held in the past.

Afterwards, The Society successfully organised an exhilarating lecture to commemorate the legacy of Prof. Kunwar Mohammad Ashraf (1903-1962) on 23<sup>rd</sup> & 24<sup>th</sup> February 2023. The Prof. K.M Ashraf Memorial lecture was based on the theme 'Public History: People's Perception of the past' to understand the dynamics and perceptions of history throughout Indian history. The event took place in the Academic Auditorium and was open for all Delhi University students. The Guest speakers for the event were eminent authors and historians Prof. Andre Wink, Dr. Shashank S. Sinha, Dr. Prabhat Kumar, and Dr. Swapna Liddle. The seminar sessions were attended by many students from various colleges. On the first day of the event, Prof. Andre Wink graced the stage and delivered the first session on the topic 'Making of the Indo-Islamic World', emphasising on the geographical and environmental perspectives of the Indian Subcontinent and West Asia by presenting five thesis works on the same. After a short break, Dr. Shashank Sinha gave a speech on the topic of Monuments and popular Perceptions of Indian History. He highlighted the various aspects of public history such as the academic community, versions of history, importance and potentials of monuments and museums etc. Afterward, the final speech of the first day was given by Dr. Prabhat Kumar, who focused on the various (Im)possibilities of Indian history of the World and discussed about Pandit Ramavatar Sharma and the tale of a divine sage Mudgarānad' Caritāvalī. The event was concluded with a few interactive questions from the listeners. On the second day, Dr. Swapna Liddle gave a fascinating speech on Delhi before 1857. She focused on Delhi during the East India Company rule and the Mughal Empire and popular writings on the past. She also emphasised on public history recording and the importance of popular history. The event ended with a few question-answer sessions with the speaker.

An interactive session with Dr. Riho Isaka was held on 27th March 23. The title of the session is 'The role of manga in letting us rethink our notion of history'. Dr. Riho Isaka is a Professor of the Department of Area Studies at the Graduate School of Arts and Sciences, the University of Tokyo. Her research interests concern issues of language, politics, food, and identity in colonial and postcolonial India, especially Gujarat.

Some of humankind's earliest civilizations have been found in South Asia, and its cultures have coexisted for millennia in a cosmopolitan, interconnected, and constantly changing continuum. To encapsulate the socio-cultural, economic, political, and geographical richness and complexities of an area that is home to half the world's population, an all-inclusive title is insufficient, as any history buff would know. The Kirori Mal College History Society has always been driven by a love for discovering and returning to the uncharted regions of the past and addressing the study of history from a broad perspective. So, the programme Riwaaz-e-Taarikh, a Paper Presentation Competition, is another step towards The Legacy's goal of promoting inclusive, ground-breaking research. The KMC Journal of South Asian Studies, an

initiative led by The Society aspires to focus on creating an accessible and comprehensive forum for studies, related to the subcontinent in order to preserve a history as wealthy as that of South Asia. It will be a yearly book that serves as a collection of works from both academics and students.

An Annual Fest of a Department i.e. ATEET is typically a major event that takes place once a year and is organised by the students and Staff of the college. It is an occasion for the College to showcase its talents, skills, and accomplishments to the wider community. The Fest may involve a range of activities such as cultural performances, sports competitions, academic and technical events, guest lectures, exhibitions, workshops, and social gatherings. The purpose of the Annual Fest is to foster a sense of community and collaboration among students, Faculty members, and the Staff. It provides an opportunity for students to showcase their talents and skills, to learn new things, and to interact with other students and the faculty members. It also serves as a platform for the College to connect with the wider community, including alumni, industry partners, and other institutions. Overall, an Annual Fest is an important event that not only celebrates the achievements of the College but also strengthens the bonds between the various stakeholders in the College community.

## DEPARTMENT OF MATHEMATICS

**Teacher-in-Charge: Prof. Pratibha Kumar; Staff Advisors: Prof. Raj Kumar & Dr. Kavita Gupta**

The Department of Mathematics of the College is one of the finest departments in the University of Delhi. This department has a history of nurturing academics, research, extra-curricular activities and the practice of evolving as a team. The academic session 2022-2023 of the Department began with an Orientation Programme to welcome the first year students on 2<sup>nd</sup> November 2022. “TENSORS” organized a fresher’s party named ‘MATH GALA’ on 2<sup>nd</sup> February 2023 in which a fun and healthy competition was organized to adjudge Mr. and Ms. Freshers’, Mr. Well dressed and Ms. Well dressed. The Department celebrated an International Pi Day on 14.03.2023 in collaboration with the film society of college “MONTAGE”. During this event, a movie named “THE MAN WHO KNEW INFINITY” based on the life of legendary Indian Mathematician Shri Shrinivasa Ramanujan was filmed in the Seminar Hall of the College. After the movie screening, a discussion session took place in which students of the MONTAGE and TENSORS discussed the movie and how it has impacted on the history of Indian Mathematics and their mathematical thinking.

“The Tensors” celebrated its much awaited Annual Festival SUPREMUM 2k23 on 28<sup>th</sup> March, 2023. It endeavored to bring together the creative potential of young minds by providing them a great platform to show their talents in various intellectual and co-curricular fields. The Department carried forward the legacy of conducting Qazi Zameeruddin Memorial Lecture by inviting Prof. Pankaj Jain, Professor and Director (Admissions & Examination), South Asian University, New Delhi. He delivered a lecture on the topic “On Size of infinity”. The lecture saw an active participation of teachers and students and received a huge success. Then it was followed by another events like Mathadola, IPL Bidding war, Treasure hunt,

paper presentation and many more. The festival saw an active participation from students across the university.

This year has been quite eventful and the contribution of each member of the department has been pivotal in making this a vibrant, vigorous, flourishing and an inspiring year. The office bearers of the Society were: President: Raghav Agarwal; Vice President: Jiya Assija; General Secretary: Saumya Yadav; and Joint Secretary: Ritin Thakurail and Aviral Moral.

## DEPARTMENT OF PHYSICS

**Teacher-in-Charge: Prof. Rakesh Kumar Pandey; Staff Advisor: Ms. Arti**

The Department of Physics conducted the following events during the academic year 2022-23:

### **SEMINAR ON ‘EINSTEIN AND THE MAGIC OF SPACE TIME’ BY MR. SYED UMAR HUSAIN NAQVI, JAGIELLONIAN UNIVERSITY, KRAKOW, POLAND:**

A seminar was conducted by The Physics Seminar Society on 06<sup>th</sup> May 2022 at 10:15 a.m. in the Seminar Room for students of the college. The topic of the Seminar was ‘Einstein and the Magic of Space Time’. The speaker for this programme was Mr. Syed Umar Husain Naqvi, who is presently a Ph.D. student at Jagiellonian University, Krakow, Poland. It was a proud moment for the Department as Mr. Syed is also an Alumnus. A total of around 100 students and faculty members from Physics Department attended the seminar.

One of the most ground-breaking discoveries in the field of physics was the theory of relativity developed by Albert Einstein. Mr. Syed highlighted how Einstein’s theory of relativity revolutionized everyone’s understanding of the universe by showing how space and time are intertwined. An important consequence of Einstein’s theory, which led to the concept of gravitational waves was explained. Numerous discoveries and advancements in the fields of astronomy, physics, and cosmology as a result of Einstein’s theory were discussed. The seminar was highly informative and motivated students on how to apply the concept of relativity in the understanding of Universe.

### **DEPARTMENT FAREWELL TO THE 2019-22 BATCH STUDENTS:**

A Farewell function was organized for the outgoing batch (2019-22) of the B. Sc. (H) Physics students after the seminar on 06<sup>th</sup> May 2022 at 03:00 pm in the college premises. The event included a number of performances from the second-year students including singing, dancing, enacting and poetry. Numerous games were organized to add fun and frolic in the celebrations for the third-year students. Mr. and Ms. Farewell contest was also conducted for the graduating students. The students were awarded titles by the second-year students. Also, mementoes were given to all the graduating students by the faculty members of the Department. The event involved huge participation from the students.

### **WORKSHOP ON ARDUINO PROGRAMMING - LEVEL 01 WORKSHOP:**

An Arduino workshop was organized by Department under the aegis of DBT Star College scheme in collaboration with Physics Seminar Society on 28<sup>th</sup>-29<sup>th</sup> June 2022. The workshop

was conducted by TI Centre for Embedded Product Design, Netaji Subhas University of Technology, Delhi. The workshop began with the inaugural lecture by Prof. Dhananjay V. Gadre, Division of Electronics and Communication Engineering, Netaji Subhas University of Technology on the topic 'Microcontroller based Projects Demonstration'. In his lecture, Prof. Gadre highlighted the need of microcontrollers and also demonstrated a number of projects/experiments made at TI-CEPD, NSUT based on Arduino and similar platforms (ESP32, MSP430, ATTiny etc.). Further, two hand-on sessions were conducted for the students with the help of three resource persons, Mr. Naman Puri, Mr. Mudit Aggarwal and Mr. Roshan Deswal from TI Centre for Embedded Product Design which included a number of experiments such as Blinking of LEDs, usage of breadboard, taking digital and analog inputs and outputs. The workshop was attended by 30 students of II year.

**SEMINAR ON 'FORMATION OF STRUCTURES IN THE UNIVERSE' BY DR. SAMPURN ANAND, CENTRAL UNIVERSITY OF TAMIL NADU, INDIA:**

Another seminar was organized by the Department under the aegis of DBT star college scheme in collaboration with Physics Seminar society on June 30, 2022 at 2:00 pm. The topic of the Seminar was 'Formation of Structures in the Universe'. The speaker for this programme was Dr. Sampurn Anand, who is presently an Assistant Professor at the Central University of Tamil Nadu, India. Dr. Sampurn is also an alumnus of the Department. The seminar was attended by about 50 students and teachers from the Department. The formation of structures in the Universe is a complex process that has been shaped by various forces, including gravity, dark matter, and dark energy. Dr. Sampurn, in his talk, addressed the audience how tiny fluctuations in the distribution of matter and energy eventually led to the formation of galaxies, clusters of galaxies, and larger structures. The role of gravity and dark energy in the formation of structures was discussed in detail. The seminar helped students greatly improve their understanding of history and evolution of universe. The seminar was highly interactive and was enthusiastically attended by students.

**SEMINAR ON 'ASTRONOMY: BRIEF ANSWERS TO BIG QUESTIONS':**

Date: 30<sup>th</sup> August 2022; Time: 12:00PM

Speakers: Mr. Rishabh Jain, Ms. Subarna Chaki and Ms. Kaushkee Vats

Venue: Academic Auditorium

Number of Participants: More than 80

This seminar was organized by the KMC Physics Astronomy Club under Physics Seminar Society on the topic 'Astronomy: Brief Answers to Big questions'. It was very special as the speakers of this seminar were our own students who graduated from the College in the year 2022. Mr. Rishabh Jain, Ms. Kaushkee Vats and Ms. Subarna Chaki have been successful to obtain three provisional discoveries of main belt asteroids named P115QYc, P115ReG, and P11cbC5 by National Aeronautics and Space Administration (NASA) and were thus invited to share their experiences with current aspiring students in the field. The seminar began with an introduction to astronomy. The speakers gave an overview of their journey of Asteroid hunting to the audience and briefed them about the challenges and how to deal with those challenges leading to successful discovery. The students felt highly motivated from their seniors. Further, the speakers gave a demonstration of the installation of telescope and the handling instructions to the students.

**VISIT TO NATIONAL PHYSICAL LABORATORY:**

An educational tour was organised by the Department on 28<sup>th</sup> September 2022 to CSIR-National Physical Laboratory, New Delhi on the occasion of CSIR-NPL open day. 30 students with 5 Faculty members from the Department visited different research and Indian standard labs at CSIR-NPL. It was a very good opportunity for the students to explore the state-of-the-art facilities of the laboratory and various research fields. Various scientific models and number of audio-visual shows were displayed based on the scientific activities of the laboratories at CSIR-NPL. Students interacted with different scientists at CSIR-NPL and gained knowledge on Force, Vacuum and Current standards, generation of low temperature upto 1 micro-kelvin through different cryogenic techniques. Students also got to understand the growth and development of bio-sensing devices, thin film-based gas and chemical sensors, fabrication of organic and inorganic [silicon-based] solar cells.

In addition, students visited recycling facility of plastic and non-degradable products and gained the knowledge on the development of fire proof tiles from waste materials. Students found the visit very interesting, inspiring and highly motivating.

**ORIENTATION PROGRAMME FOR FIRST YEAR STUDENTS:**

An Orientation Programme for the first-year students of the Department in the last academic session was conducted on 2<sup>nd</sup> November 2022 at 09:30 am. Students were addressed by the Teacher-in-Charge, Prof. Rakesh Kumar Pandey and then by other faculty members of the Department. Students were given an idea of the course structure in NEP, number of credits, learning outcomes i.e. course and programme outcomes in detail. Students were also apprised of the functioning of different Societies/Clubs. This was then followed by a brief introduction by the students.

**SEMINAR ON 'INDIAN SCIENCE@75 YEARS: AZADI KA AMRIT MAHOTSAV':**

A seminar was organized by the Physics Seminar Society on 23<sup>rd</sup> January 2023 at 12:00 pm. The topic of the Seminar was 'Indian Science@75 years: Azadi Ka Amrit Mahotsav'. Our speaker for this programme was Dr. Ashok Kumar, who is presently Principal Scientist at National Physical Laboratory. The seminar was attended by about 100 students and teachers from the Department. The programme started with an introductory address by Prof. Rakesh Kumar Pandey. Dr. Ashok Kumar then addressed the students and talked about some of the great experiments in Physics. He also gave an insight of the discoveries done by Indian scientists in various fields of science. Further, he discussed the roadmap to smart cities in India, various challenges that people need to work upon so that the city they inhabit in can become a smart city and also the possible viable solutions. Overall, the seminar was academically very enriching for the students.

**FRESHERS' WELCOME:**

A Freshers' Party 'Welkom Fiesta' was organized by the Department for the students of B. Sc. (H) Physics admitted in the academic year 2022-23 on 23<sup>rd</sup> January 2023. The programme began with an address by the Teacher-in-Charge. Students of 2<sup>nd</sup> year and 3<sup>rd</sup> year welcomed the first-year students and presented various performances like singing, dancing etc. Various games and talent hunt rounds were organized for the contest of Mr. Fresher, Ms. Fresher,

Mr. Handsome and Miss. Charming. Through this party, students of 1<sup>st</sup> year got to know about their classmates as well as their seniors while enjoying the day simultaneously at the same time.

**WEBINAR ON ‘INSTRUMENTS IN INDIAN ASTRONOMICAL TEXTS’ BY DR. B.S. SHYLAJA, FORMER DIRECTOR, JAWAHARLAL NEHRU PLANETORIUM, BENGALURU:**

Date: 21<sup>st</sup> March 2023 (Equinox Day); Time: 11:00AM

Speaker: Dr. B. S. Shylaja, Former Director, JLN Planetarium, Bengaluru

You tube link: <https://youtu.be/Dcw6aWqi0m4>

Number of Participants: More than 40.

KMC PHYSICS ASTRONOMY CLUB of the Department organised an online seminar on “INSTRUMENTS IN INDIAN ASTRONOMICAL TEXTS”. The lecture was delivered by Dr. B. S. Shylaja, former Director of JLN Planetarium, Bengaluru. The talk started with explanation of basics units of measurements and numeral systems in Indian astronomy like *Ahoratram* (=24Hrs), *Ghati or Nadi* (=24 minutes), *Pala or Vighati* (=24 Seconds) etc. After that the speaker mentions the YANTRAS (instruments) written in the chapter *Yantradhyaaya of Siddhanta Siromani*, an ancient astronomical treatise by Indian mathematician Bhaskara II in the year 1150. Working of the following Indian astronomical instruments were explained by the speaker:

- Gola Yantra – Spherical instrument or representing Celestial Sphere
- Nadi Valaya – To find the ascendant (Lagna)
- Ghatika and Shanku – Measuring ghatika and giving information on time and place of observation respectively
- Chakra Yantra- Measuring coordinates of celestial objects
- Phalaka Yantra- Estimating time from graphical construction
- Yashti Yantra- Estimating Latitude of the place by shadow measure
- Swaynvaha Yantra- Perpetual machine
- Dhruvabhrama Yantra- Measuring time in the night
- Dhi Yantra- Measuring latitude of the place
- Dakshinottara Bhatti yantra – Measuring Equinox marker
- Other Yantras- Chapa (Semicircle), Turya (one-fourth of circle)

March 21<sup>st</sup> is marked as the day of celestial event when the Sun crosses celestial equator, hence known for Equinox Day. At the end of the talk, the Speaker with the help of Mr. Anand (Staff at Planetarium) demonstrated the equinox marker with the instrument named *Dakshinottara Bhatti yantra* at JLN Planetarium. The yellow circular spot near zero marking is Sun rays coming from a hole at the top of the Yantra. When the spot is at zero, that is, the place when the Sun is at the equator.

**DEPARTMENT FEST ‘NEWTONIAN 2023’:**

The Department organized 2-day Annual Festival ‘Newtonian’ on 22<sup>nd</sup> & 23<sup>rd</sup> April 2023. The first day of the programme began with an interactive speaker session by Dr. Sushil Singh, a Senior Scientist at DRDO. He spoke about the value of questioning and how people from various fields and spheres of knowledge can help look at problems with different perspectives

and dig out new questions and insights. Students learned about the intriguing living system that is a silk cocoon and how it relates to inventions that can be inspired by its design. The lecture was highly motivating for the students. The lecture was followed by a debate competition on the topic ‘The House believes that a particle accelerator should be built on the moon’.

This was further followed by a quiz competition based on modern physics, astrophysics and classical physics in which students from different colleges of Delhi University participated. Another important part of the Day 1 events was the paper presentation competition by the students. The participants were supposed to explain any research topic or original idea within 10 minutes using a Poster or PPT or chalk/board etc. They were marked by expert faculty on the basis of evaluation criteria and then ranked to award best presentations. This was followed by stall visit by the faculty members who appreciated what students had set up there to demonstrate various experiments in the field of Physics.

Day 2 of the event again began with a seminar on the topic ‘Atomic Process in Plasma Environment’ by Dr. Alok Kumar Singh Jha, Assistant Professor, School of Physical Sciences, JNU. In his lecture, the speaker explained the most important atomic processes in a plasma environment such as ionization, electron capture, recombination, excitation and de-excitation. Further, how these processes play a crucial role in shaping the properties and behaviour of a plasma environment was discussed. Students got deeply engaged in this thought-provoking lecture. The seminar was then followed by some fun activities and games for the students such as Bollywood and Meme Quiz, treasure hunt and talent hunt competition which included shuffle dancing to melodic singing, poetry, jokes, contemporary dance, and soulful instrumental performances.

## **2-DAY HANDS ON WORKSHOP ON ARDUINO PROGRAMMING:**

Date: 24-25 March 2023; Time: 09:00 AM – 05:00 PM

Speaker: Prof. Sandeep S. Ghugre, Scientist H, UGC-DAE Consortium for Scientific Research Center, Kolkata

Number of Participants: 53 (15 Faculty members, 38 students from I, II and III year B.Sc. (H) Physics)

A two-day hands-on workshop on ‘Arduino Programming’ was organized by the KMC Physics Robotics Club of the Department for its own students and teachers on 24<sup>th</sup> & 25<sup>th</sup> March 2023. The workshop was conducted by Prof. Sandeep S. Ghugre, Scientist H, UGC-DAE Consortium for Scientific Research Center, Kolkata. Registration of the participants for the workshop was done on 24<sup>th</sup> March 2023 from 08:30-09:30 a.m. The workshop began with an inaugural session on 24<sup>th</sup> March 2023 at 09:30 a.m. The inaugural session was graced by the Principal, who motivated the participants with his magical and inspiring words. The Chief Guest for the occasion was Prof. Binay Kumar, Senior Professor, Department of Physics & Astrophysics, University of Delhi. He highlighted the need of learning Arduino Programming in the current scenario. The detailed outline of the workshop was given to the participants by the TiC.

The 2-day workshop included two theoretical sessions and five technical hands-on sessions.

The honourable speaker first introduced the participants about the microcontroller, variants of Arduino, the essential components required, its architecture, pin layout diagram and its interfacing with the computer. Further, he demonstrated how to use Integrated Development Environment (IDE) for Arduino and configure it. Beginning with the description of sketch in Arduino, implementation of simple and innovative experiments such as blinking the on-board LED, ADC using Arduino, obtaining time-stamped data, charging of capacitor, time period of pendulum was demonstrated. Prof. Ghugre highlighted how basic sensors such as Thermistor, LDR etc. can be integrated with Arduino for temperature, humidity and electromagnetic radiation etc. Students were highly excited with the flavour of hands-on sessions and performing the experiments on their own.

The Valedictory Session of the Workshop was held on 25<sup>th</sup> March 2023 at 3:00 pm. Prof. S.K Awasthi, Dean, Faculty of Science (University of Delhi) graced the occasion as the Chief Guest for the session. The TiC presented a brief report of the workshop before the audience and thanked Prof. Ghugre for agreeing to the invitation sent to her to conduct the workshop. He also appreciated the intensive engagement by Prof. Ghugre with each of the participants individually. Prof. S. K. Awasthi appreciated this initiative of the KMC Physics Robotics club to conduct this hands-on workshop. He shared his experiences and motivated the students for many such activities. Certificates of participation were given to all the participants by the distinguished Chief Guest and Teacher-in-Charge of the Department. The Workshop ended with vote of thanks by Dr. Kajal Jindal, Convenor of the KMC Physics Robotics Club.

## DEPARTMENT OF SANSKRIT

विभाग प्रभारी: प्रो. सुभाष कुमार सिंह; संयोजक: डॉ० भूपेन्द्र कुमार

शैक्षणिक सत्र 2022-23 में संस्कृत विभाग द्वारा अधोलिखित गतिविधियां आयोजित की गयीं –

22 नवम्बर 2022, मंगलवार को नवागंतुक विद्यार्थियों का स्वागत समारोह आयोजित किया गया तथा संस्कृत परिषद् एवं संस्कृत संगोष्ठी हेतु पदाधिकारी छात्रों का चयन किया गया ।

क्रम सं०	पदनाम	संस्कृत-परिषद्	संस्कृत-संगोष्ठी
1.	अध्यक्ष	मुस्कान अग्रवाल	अभिनव
2.	उपाध्यक्ष	दीपचन्द्र कोटिया	दीपिका
3.	सचिव	माधव सिंह यादव	दिव्यांशु झा
4.	सहसचिव	शिवम कटारिया	रीतेन्द्र प्रताप सिंह
5.	कोषाध्यक्ष	प्रतीक तिवारी	

विभाग की ओर से ऑनलाईन पत्रिका 'दिग्दर्शिका' हेतु जिन छात्रों का चयन किया गया उनका विवरण निम्नलिखित है –

संपादक	प्रेरणा बहल
सह- संपादक	हिमांशी यादव
सदस्य	वैभव राघव
सदस्य	लोकेश
सदस्य	चिराग

महाविद्यालय की पत्रिका 'न्यू आउटलुक' में विभाग की ओर से छात्र-संपादक के रूप में तृतीय वर्ष के छात्र नवीन कुमार और द्वितीय वर्ष से प्रतीक तिवारी का चयन किया गया है।

“सुजलां सुफलां मलयजशीतलाम्” भारतवर्ष वीर शहीदों का देश है और शहीदों का ऋण प्रत्येक भारतीय पर है। ये ऐसा ऋण है जिससे हम उऋण नहीं हो सकते हैं। इसी को ध्यान में रखते हुए संस्कृत विभाग एवं भारतीय शिक्षण मंडल की ओर से शहीदों के प्रति अपनी कृतज्ञता व्यक्त करने हेतु तथा हृदय के अंतःस्तल से सम्मान हेतु 'भारत माता पूजन' कार्यक्रम का आयोजन 30 दिसम्बर 2022 को आयोजित किया गया जिसमें मुख्य वक्ता के रूप में प्रो० राकेश कुमार पाण्डेय (भौतिकी विभाग, किरोड़ीमल महाविद्यालय) ने अपना व्याख्यान दिया तथा छात्रों के भीतर देशसेवा की भावना का संचार किया।

12 जनवरी 2023 को युवा दिवस के उपलक्ष्य में संस्कृत विभाग की ओर से '21वीं शताब्दी की चुनौतियाँ और युवा भारत: स्वामी विवेकानन्द के दृष्टिकोण में' विषय पर प्रसिद्ध शिक्षाविद डॉ० सुधीर सिंह (राजनैतिशास्त्र विभाग, दयाल सिंह महाविद्यालय) ने अपना विचार रखा।

संस्कृत विभाग ने इस वर्ष प्रसिद्ध संस्था 'संस्कृत भारती' के साथ एक समझौता पत्र (MOU) हस्ताक्षरित किया जिसके अन्तर्गत 16<sup>th</sup>-30<sup>th</sup> जनवरी 2023 तक संस्कृत भाषा के प्रशिक्षण हेतु सर्टिफिकेट कोर्स का आयोजन किया गया। इसका उद्घाटन संस्कृत विभाग, दिल्ली विश्वविद्यालय के विभागाध्यक्ष प्रो० ओमनाथ बिमली और संस्कृत भारती की ओर से इस कार्यक्रम के मुख्य अतिथि सुशील कुमार ने मिलकर किया। समापन समारोह में संस्कृत विभाग, दिल्ली विश्वविद्यालय से प्रो० भारतेन्दु पाण्डेय जी विशिष्ट अतिथि के रूप में तथा प्रो० रामराज उपाध्याय जी मुख्य वक्ता के रूप में संस्कृत भाषा के संवर्धन हेतु अपना-अपना व्याख्यान प्रस्तुत किया।

संस्कृत विभाग ने अखिल भारतीय विद्यार्थी परिषद के संयुक्त तत्त्वावधान में वाद-विवाद प्रतियोगिता, काव्य प्रतियोगिता, बैडमिंटन प्रतियोगिता, निबन्ध लेखन प्रतियोगिता एवं शतरंज प्रतियोगिता का आयोजन किया जिसमें महाविद्यालय के विद्यार्थियों ने भारी संख्या में भाग लिया।

संस्कृत विभाग (किरोड़ीमल महाविद्यालय), भारतीय इतिहास अनुसंधान परिषद एवं भारतीय सामाजिक विज्ञान अनुसंधान परिषद, नई दिल्ली के संयुक्त तत्त्वावधान में 'विवेकानंद के सांस्कृतिक राष्ट्रवाद का समग्र चिंतन' विषय पर 25<sup>th</sup>-26<sup>th</sup> मार्च 2023 को दो-दिवसीय राष्ट्रीय संगोष्ठी आयोजित की गई।

इस संगोष्ठी के उद्घाटन सत्र की अध्यक्षता संस्कृत विभाग के अध्यक्ष प्रो. ओमनाथ बिमली, मुख्य अतिथि के रूप में भाजपा संसदीय दल के कार्यालय सचिव डॉ० शिवशक्ति नाथ बख्शी, विशिष्ट वक्ता के रूप में विवेकानंद अध्ययन केन्द्र के प्रान्त संगठक श्री मानस भट्टाचार्य और मुख्य वक्ता के रूप में जम्मू कश्मीर अध्ययन केन्द्र के निदेशक श्री आशुतोष

भटनागर जी उपस्थित रहे । संगोष्ठी में डॉ० शिवशक्ति नाथ बखशी ने प्राचीन भारतीय सन्दर्भों के साथ-साथ आधुनिक इतिहास के परिप्रेक्ष्य में राष्ट्रवाद की व्याख्या की । उन्होंने 'स्वामी विवेकानन्द के राष्ट्रवाद' और 'महर्षि अरविंदो के राष्ट्रवाद' विषयक विचारों पर तुलनात्मक दृष्टि से विचार प्रस्तुत किया ।

दो दिवसीय राष्ट्रीय संगोष्ठी में 11 सत्रों में सार्थक शोधपत्रों का वाचन किया गया । कुल 9 राज्यों से 56 शोधार्थियों ने शोधपत्र प्रस्तुत किया । विभिन्न सत्रों में भारतीय जीवन मूल्य, धर्म-दर्शन, भारत की सांस्कृतिक विरासत, आध्यात्मिक राष्ट्रवाद, स्वामी विवेकानन्द का सर्वसमावेशी दर्शन जैसे अनेक विषयों पर समग्रता से चिन्तन किया गया । संगोष्ठी के समापन में श्री अशोक ठाकुर (निदेशक NAFED), श्री सुनील यादव (प्रदेश उपाध्यक्ष, भाजपा एवं डीडीसीए कन्वीनर), श्री राजा बुंदेला (अभिनेता एवं उपाध्यक्ष, बुंदेलखंड विकास प्राधिकरण) और प्रो. अजय कुमार भागी जी (अध्यक्ष, दिल्ली विश्वविद्यालय शिक्षक संघ) उपस्थित रहे ।

31 मार्च 2023 को संस्कृत विभाग का वार्षिक कार्यक्रम 'वागीशा' का आयोजन किया गया जिसमें दो (संस्कृत प्रश्नमञ्च एवं श्लोकान्त्याक्षरी) प्रतियोगिताओं का आयोजन किया गया । इन प्रतियोगिताओं में विभिन्न महाविद्यालयों से आए हुए प्रतिभागियों ने हिस्सा लिया । प्रश्नमञ्च प्रतियोगिता में 15 टीमों ने एवं श्लोकान्त्याक्षरी प्रतियोगिता में 12 टीमों ने भाग ग्रहण किया । प्रथम स्थान पर रहे प्रतिभागियों को सम्मान राशि के साथ-साथ चलवैजयन्ती ट्राफी दी गई । निर्णायक के रूप में प्रो. दयाल सिंह पवार (श्रीलाल बहादुर राष्ट्रीय संस्कृत विद्यापीठ, दिल्ली) एवं प्रो. श्रीवत्स जी (मोतीलाल नेहरू महाविद्यालय, दिल्ली विश्वविद्यालय) उपस्थित रहे ।

इसके साथ ही हमारे विभाग के छात्रों ने अन्य महाविद्यालयों में भी विभिन्न प्रतियोगिताओं में भाग ग्रहण किया और वहाँ पर विजयी होकर किरोड़ीमल महाविद्यालय का नाम रोशन किया । प्रतिभागी छात्रों का विवरण अधोलिखित है -

छात्र का नाम	महाविद्यालय का नाम	प्रतियोगिता	पुरस्कार
दीपचन्द्र कोटिया	हिन्दु महाविद्यालय	श्लोकगायन	प्रथम
	सेंट स्टीफन महाविद्यालय	श्लोकगायन	द्वितीय
	सेंट स्टीफन महाविद्यालय	प्रश्नमञ्च	द्वितीय
	हिन्दु महाविद्यालय	प्रश्नमञ्च	प्रथम
	किरोड़ीमल महाविद्यालय	श्लोकान्त्याक्षरी	प्रथम
	किरोड़ीमल महाविद्यालय	प्रश्नमञ्च	द्वितीय
	माता सुन्दरी महाविद्यालय	प्रश्नमञ्च	द्वितीय
	माता सुन्दरी महाविद्यालय	श्लोकगायन	तृतीय
	राजधानी महाविद्यालय	प्रश्नमञ्च	प्रथम

आशु कुमार ठाकुर	किरोडीमल महाविद्यालय	श्लोकान्त्याक्षरी	प्रथम
	हिन्दु महाविद्यालय	प्रश्नमञ्च	प्रथम
	किरोडीमल महाविद्यालय	प्रश्नमञ्च	द्वितीय
	राजधानी महाविद्यालय	प्रश्नमञ्च	प्रथम
प्रतीक तिवारी	सेंट स्टीफन महाविद्यालय	प्रश्नमञ्च	द्वितीय
	माता सुन्दरी महाविद्यालय	प्रश्नमञ्च	द्वितीय

वार्षिक विवरण प्रस्तुत करते हुए अपार हर्ष का अनुभव हो रहा है कि यह वर्ष संस्कृत विभाग के लिये बहुत ही शानदार रहा है। इस वर्ष जहाँ विभाग में चार नियमित शिक्षकों की नियुक्ति हुई वहीं विभाग में बहुत ढेर सारे कार्यक्रम भी आयोजित हुए। इसमें संस्कृत संभाषण शिविर एवं राष्ट्रीय संगोष्ठी का भी सफलतापूर्वक आयोजन किया गया। संस्कृत विभाग के छात्रों ने भी विभिन्न अंतरमहाविद्यालयों में विभिन्न प्रतियोगिताओं एवं सांस्कृतिक गतिविधियों में भाग लिया और अनेक पुरस्कार भी प्राप्त किए।

यह वार्षिक विवरण हमारे विभाग की प्रगति को प्रदर्शित करने का एक ईमानदार प्रयास है। संस्कृत विभाग के लोग विभाग की सफलता को गर्व के साथ याद करते हैं और अपनी सभी उपलब्धियों को संस्कृत विभाग के साझा प्रयासों को समर्पित करते हैं। यह सब हमारे शिक्षकों एवं गुरुओं के मार्गदर्शन से ही संभव हुआ है।

## DEPARTMENT OF STATISTICS

**Teacher-in-Charge: Dr. Shrawan Kumar; Staff Advisor: Dr. Rashmi Goel**

Department of Statistics, Kirori Mal College, is a department which is active all around the year. It conducts various events and activities for the students of the department. A lot of events could not be conducted in the previous years due to the pandemic, but the department is reviving them once again, and has organised many events so far. Office-Bearers of Society are: President – Aryan Gupta, Vice-President – Sehaj Singhal, Treasurer – Raunak Tibdiwal, General Secretary – Sujal Yadav, Cultural Secretary – Kaveri Singh, Joint Secretaries – Aman Raj, Prisha Mathur. A list of the events conducted from April 2022 to March 2023 is as follows:

**5<sup>TH</sup> SEPTEMBER, 2022: TEACHER'S DAY:** Teachers are our helping hands, our mentors and the most important of all, our friends. With this spirit in mind, the students of the Statistics Department celebrated Teacher's Day with their teachers, and their bond with their students. A small event was conducted in the Statistics lab itself, where all the teachers of the Department were cordially invited to celebrate the event, which started with two brilliant solo-singing performances, followed by a poem, dedicated to the teachers and written & sung and by a

student of the Department. There were games, in which all the teachers participated with full enthusiasm. There was also a cake cutting ceremony for the teachers, followed by refreshments for the students by the Department.

**26<sup>TH</sup> SEPTEMBER, 2022: DEPARTMENTAL ELECTIONS:** 26<sup>th</sup> September was the day full of competitive spirit. The elections for the Student Union of the Statistics Department was the day when the students exercised their right to vote and selected their representatives to the teachers. The elections were held for the President, the Vice-President, the General Secretary, the Cultural Secretary and the Treasurer of the Statistics Department for the academic year 2022-23. The voting was done by the batches of 2023 and 2024. Approximately 90 students participated in the voting. Just like the Indian Electoral system, all the interested candidates had initially submitted their names to the Election Commission of the Statistics Department that had then formally announced their names and opened the floor for informal propagation of their agendas before the Election Day. Candidates, and their supporters, forwarded posters and slogans for gaining votes. On the Election Day, all candidates had put forward their agendas in front of the students and the faculty members of the Department, which was followed by voting and the counting of the votes. Aryan Gupta and Sehaj Singhal, both from the batch of 2023, secured the posts of President and Vice-President respectively, uncontested. Sujal Yadav, batch of 2024, secured the post of General Secretary. The post of Cultural Secretary was secured by Kaveri Singh, batch of 2024. The post of the Treasurer was secured by Raunak Tibdiwal, batch of 2024. The event was followed by refreshments.

**1<sup>ST</sup> OCTOBER, 2022: SELECTION OF SOCIAL MEDIA HEADS:** To inform the world about the activities of the Department of Statistics, the Department has an official Instagram page, @stats.kmc. Also, to inform the students about the various Departmental activities, posters are floated in the groups. To manage the posts and posters, the Department selected Social Media Heads, Harsh Jain and Nishika Taneja from the batches of 2023 and 2024, respectively.

**5<sup>TH</sup> OCTOBER, 2022: SELECTION OF CONTENT HEAD:** To create the captions of the Instagram posts as well as to manage other content related tasks of the Department, the Department selected Navya Garg from the batch of 2024 as the Content Head.

**2<sup>ND</sup> NOVEMBER, 2022: INFORMAL MEET AND GREET:** The University of Delhi welcomed the batch of 2026 on 2<sup>nd</sup> November 2022. The students and the teachers of the Department of Statistics, KMC, welcomed its fresher's with a small, warm, informal meet-and-greet before they officially began their classes.

**9<sup>TH</sup> JANUARY, 2023: ELECTIONS FOR THE POST OF JOINT SECRETARIES:** The Student Union of the Statistics Department has two posts reserved for the first years of the Department – the posts of Joint Secretaries. The elections for the posts for the academic year 2022-23 were held on 9<sup>th</sup> January 2023. The voting was done by all the three batches - batch of 2023, batch of 2024 and the batch of 2026. Approximately, 120 students participated in the voting. The session began with a campaigning round. Each candidate put forward their agendas in approximately 2-5 minutes before the students and the faculty members of the

Department, followed by the voting round and counting of the votes, conducted by the Election Commission of the Department. Aman Raj and Prisha Mathur (out of 6 nominations) secured the posts of the Joint Secretaries of the Statistics Department 2022-23. Each candidate had put forward their own perks and made promises. It was indeed a tough choice for the voters to decide where to give their votes. The elections were followed by refreshments.

**27<sup>TH</sup> JANUARY, 2023: OFFICIAL FRESHERS TO THE BATCH OF 2026:** College is not only about studying but also about meeting and interacting with others, and making memories with them. For this, the Official Fresher's for the Batch of 2026 was organised on 27<sup>th</sup> January 2023. It was a fun-filling day, not only for the fresher's, but also for the senior batches, that organised and participated in the event. The theme of the event was Bollywood-'Aao Milo Chale'. The lovely afternoon was an amalgamation of games, bouts of laughter, and power packed performances, which made the spectators feel as if they were watching a movie. The event had 3 games. The performances by the seniors of the Department included dance sequences, which were choreographed to utmost perfection, a jamming session which warmed the hearts of the students and a solo singing performance as melodious as a nightingale's song. This was followed by highlight of the evening-ramp walk. Every student in the batch of 2026 paired themselves up with their batchmates (or seniors) and walked down the ramp, showcasing their classy outfits. After the ramp walk, there were dance and singing performances by the students of the batch of 2026. The titles of Ms. And Mr. Fresher's and Ms. And Mr. Fashionista were awarded to 4 students by the President and the Vice President of the Department. The official event was rounded off by the vote of thanks by the treasurer of the Statistics Department. This was followed by the D. J. and lunch for the students.

**14<sup>TH</sup> TO 19<sup>TH</sup> FEBRUARY, 2023: OFFICIAL DEPARTMENT TRIP:** The Department also organized a trip for its students to Manali, Sissu, and Kasol from 14<sup>th</sup> to 19<sup>th</sup> of February 2023. The objective of the excursion was to offer students with an opportunity for recreation and respite from their academic responsibilities. This excursion included 32 students of second and third year under the supervision of TiCs Dr. Shrawan Kumar. The journey began on the evening of February 14 with a bus ride from Delhi to Manali, including a meal stop at Murthal. The 15<sup>th</sup> of February saw the students at Manali, where they visited the Hadimba Devi shrine and Old Manali market. On the 16<sup>th</sup> of February, the students enjoyed the snow-covered fields of Solang Valley during the day and a campfire that evening. The next day, after a hike to Jogini Waterfalls, all of the students toured the local markets on Mall Road. Plans to visit Sissu village were canceled due to heavy snowfall-related travel restrictions imposed by the authorities. By bus, students left for Kasol on the 17<sup>th</sup> evening. There was an energetic D. J. night. The next day, everyone departed for Manikaran and received the blessings of Manikaran Sahib on the Holy Day of Shivaratri. The next stop was the Kasol marketplace. Then, everyone left for Delhi in the evening of the 18<sup>th</sup> and arrived at College the following morning. Overall, the College excursion to Manali achieved its goals. Students were afforded the opportunity to explore and enjoy the natural beauty and cultural diversity of Manali.

**17<sup>TH</sup> MARCH, 2023: CAREER LAUNCHER SESSION:** The Department organised a fruitful seminar on the 'Quantitative Aptitude for CAT' in association with Career Launcher.

This was a knowledgeable and skilful session headed by Mr. Shubham Kumar, a CAT trainer (QA & DI-LR) and Content Creator (MBA entrance). During this session, he introduced everyone with what the importance of CAT exam is and how a strategy can be framed for its preparation, and explained a few tricks and basic concepts and then presented certain questions for the students and tested their knowledge. It was a very interactive session as the students were actively taking part to answer the given questions.

**23<sup>RD</sup> TO 24<sup>TH</sup> MARCH, 2023: OFFICIAL DEPARTMENT FEST:** The Department organized its Annual Fest- E(X)PECTATIONS'23 in the offline mode on 23<sup>rd</sup> & 24<sup>th</sup> March 2023. The two-day event witnessed a footfall of about 1000 people from various colleges and institutions. The Fest consisted of speaker sessions to enhance the student's knowledge in the field of statistics, and various competitions which were organized not only enhanced the creative and critical thinking abilities of the participants but also were fun to witness and participate.

**DAY 1: 23 MARCH 2023:** Event Name: Data Science Seminar; Time: 10:00 AM - 12:00 noon; Venue: Seminar Hall; Audience count: 100+. The esteemed speaker was Mr. Sanjeev Kumar, an alumnus. The seminar started with the address of the Principal. During Seminar, the speaker introduced everyone with data analysis and also reminisced his college life. He presented everyone with the use of analysis such as prediction analysis and industrial applications. Audience got to know how data collection is done for analysis in industries such as Digital media records, ERP/CRM. The audience was introduced to the classes of data analysis, namely, descriptive analysis, predictive analysis, prescriptive analysis and advanced analysis. The event ended with felicitation of the speaker with a letter of gratitude.

Another event namely MEMATHON followed at 12:00 noon - 1:00 PM at Statistics Lab in which there were 20+ people (8 teams, 2-3 members each). The competition started with the introduction of rules to the participants. In the first round, the participants were given a pdf file containing two meme templates, and the teams which made the most quality memes within 10 minutes were qualified for round two. In the second round, the participants were supposed to guess the password of a pdf file based on clues within two minutes. The file contained a topic on which the participants were required to make one quality meme within 15 minutes. Round three consisted of making a meme on a real-life business idea within 20 minutes. The winners had to enact the mems they had curated in round one and two.

**Results:** Team 2 represented by Naveen Tomar and Vinay Karnani from SGSCC bagged the first position with a cash prize of Rs. 3000/-. Team 1 represented by Vishesh Lakra and Ishar Singh from Ramjas College won the second prize of Rs. 1000/-

Another event namely Wall Street: The Bidder's Chamber followed at 2:00 PM - 4:30 PM in Statistics Lab where there were 13 participants. The auction event started with an exciting investment challenge. Face Value of Stock of 10 Companies was presented before the participants. Their past year performance statistics were shared with the attendees via a WhatsApp group. The participants were given only 20 minutes to make their personalized portfolio out of multiple companies. The challenge provided an opportunity for participants to

showcase their investment knowledge and gain valuable experience in a fast-paced environment.

The auction event also focused on trading Zomato's recently launched IPO. Each team was provided with 50 shares of the company with a face value of 525 INR of each share. The participants were challenged to trade among the stocks of the new company with the goal of maximizing their liquidity within a set timeframe. At the end of this round, only the liquidity was considered, and the shares bought in this round were not transferred to the next round. This round tested the participants' ability to make informed investment decisions in a high-pressure environment and provided a unique opportunity to invest in a new and exciting company.

The ultimate round of the auction event was focused on insider information and offline stock trading. Participants not only received company-related statistics and news information, but also had the opportunity to bid for exclusive insider information. Bidding for the insider information took place through a Google Form, with each team given five minutes to register their bidding amount. The bidding for the insider information started at Rs. 10,000. After the bidding round, offline stock trading started for 20 minutes. All teams were required to make deals amongst themselves and submit signed contracts with stock names and quantities to the coordinators within the specified time. It was a truly exciting and unique round that provided a realistic experience in the world of stock trading.

**Results:** Lone Wolf represented by Krishna Golyan from Hansraj College won the first prize of Rs. 3,000/-. KMC Stats represented by Debangshu Roy and Priyanshu Sriwastawa from won the second prize of Rs. 2,000/-. Losers represented by Vishesh Jain from SRCC won the third prize of Rs. 1,000/-

Another event namely WEBCRUX - An Artificial Intelligence Competition at 12:00 noon - 2 PM in Room 116 in which 14 people (8 teams, 1-2 members each) participated. The participants were required to find a write-up on the topic 'Can AI completely replace human jobs?' in around 200 words from Chat GPT and a suitable image from DALL.E software within 30 minutes. Editing the write-up was prohibited but multiple tries to find the best write-up was allowed. Submissions were taken by a Google form.

**Results:** Team 2 represented by Saumya Singh and Radhika Gupta from Ramjas College won the first prize of Rs. 2000/-. Team 1 represented by Ashok Aggarwal and Mehak Sharma from Ramanujan College won the second prize of Rs. 1000/-.

**STALLS:** Time: 12 noon - 5 PM: Venue: Canteen Lawn

Apart from the competitions and seminars, there were food and fun games stalls set up for the non-participants to enjoy and feel as a part of E(X)PECTATIONS 2023: Caricature stall by a freelancer; Handicraft ornaments stall by a student from other college; Food stall with momos and spring rolls; Food stall with Maharashtrian food; Handicraft stuff stall by a student of our department; and Games and jewelry stall by a student of our Department.

**DAY 2: 24 MARCH 2023:** Event Name: ISS Seminar; Time: 10:00 AM - 12:00 noon; Venue: Academic Auditorium; Audience count: 100+. The esteemed speaker for the session was Ms. Navanita Gogoi, an alumnus, who talked on the topic 'ISS: The Journey and Perspectives'. During Seminar, she introduced everyone with what is Statistical Services and how an ISS officer does the work for government and general public. She gave some historic proofs of the ancient India where Statistics was introduced in *Arthashastra* by Kautilya. Students also got to know about Father of Indian Statistics Late. Prof. P.C. Mahalanobis and statistics in British era. She also shared details about how UPSC started conducting exam for ISS. Students learned about different positions and levels in Indian Statistical Services. She shared some census and the issuing ministries. After ISS, students also learned about another profession that is 'Subordinate Statistical Services', a group B Central government job. She also shared her preparation strategy which is beneficial for UPSC aspirants. At the end of the session, students got an opportunity to ask their questions related to Indian Statistical Services and UPSC.

Another event namely E(X)-quiz-IT at 12 noon - 2 PM in Statistics Lab in which 17 teams had registered in the quiz through Google form and 10 showed up for the event. On the second day of E(X)PECTATIONS, the legacy of the Department of Statistics was continued with the organisation of the E(X)-quiz-IT, a fun quiz based on statistical and mathematical concepts. The quiz was organised on 24<sup>th</sup> March 2023 in the Statistics laboratory. The quiz saw participation from statistics and management students of Delhi University circuit.

The quiz had 3 rounds: First round had 15 questions with time duration of 30 seconds per question. There was no elimination in each of the 3 rounds. Second round had 10 questions with time duration of 30 seconds per question. Final round had 10 questions with time duration of 1 minute each. The cumulative score of three rounds were considered to select the Winners. The teams participated with a competitive spirit going neck to neck in each round and the results even saw position of 1st runner up being tied and sharing the cash prize.

**Results:** Random Sample represented by Mohan Arora and Srijoy Das from our College won the first prize of Rs. 2,000/-. Outliers represented by Aayushi Sharma and Harshit Singh from Ramjas College and Baniye represented by Dhruv Aggarwal and Ashis Agarwal from our College tied and won the second prize of Rs. 1000/-. The Test Case represented by Khushi Panjabi and S. Skanda from Sri Venkateshwara College won the third prize of Rs. 500/-

Another event namely 'Case Casino - Let the Numbers Talk' at 1 PM - 3 PM in the Academic Auditorium in which total 180 registrations were received. 11 teams participated in the offline mode. The first two rounds were conducted in the online mode. In the first round, title 'Case it till you Make It', the participants were given questions related to anything and everything, data, business, basic statistics, and general aptitude. 35 teams were shortlisted on the basis of their skills, knowledge, and speed they had shown in this round. For the round two titled, 'CAS-(A-NOVA)', the teams that qualified from round one was given a problem statement to find the most optimised solution for the problem presented. The teams could choose between the 3 case studies our knowledge partner Cube Consultancy Services provided us. 12 teams were shortlisted on the basis of their research game, knowledge, and understanding of the

case statement. The third round was titled ‘Case-o-Con’. Conducted online was the real thrill of the competition. 11 teams presented their solutions in front of the most qualified panel of judges – Rishabh Jain (Analyst, McKinsey & Company) and Aditya Pathak (Manager, EY – Parthenon). The teams were judged on the uniqueness of the solution, creativity, innovation, and confidence with which they answered the questions the judges had asked.

**Results:** Team Brownie represented by Maanya Sareen, Aryan Nadkarni and Shivansh Bajoria from St. Stephen’s College won the first prize received a cash prize of Rs. 3,000/-. Team IMI represented by Aditi Dudeja, Kapil Agrawal and Chandra Kant Bhardwaj from International Management Institute and Baniye represented by Dhruv Aggarwal and Team Aces represented by Riddhii Garg, Radhika Singh and Sakshi Singh from Shaheed Sukhdev College of Business Studies tied and won the second prize of Rs. 2,000/-. Team Ukiyo represented by Krishna Golyan, Surabhi Parida from Hansraj College and Team Divergent represented by Vaedehi Rastogi and Tanisha Jain from Delhi Technological University & Daulat Ram College tied and won third prize of Rs. 1,000/-. The judges were so impressed by the quality of the presentations that they contributed Rs. 3,000 as cash prizes to be distributed to the teams which had a tie.

Another event namely ‘Treasure Hunt Competition: Find Kabir’s Treasure Before Sid’ at 12 PM - 3 PM in College Premises in which 30+ participants across 8 teams participated. The whole event was divided in two rounds: 1. Treasure hunt: One with the imposter 2. Boll buzz: Devise your own cast. **Round – 1:** All the teams were given a question which they had to answer correctly for which they were given a clue to the first location and so on. The team that reached a location first was given the maximum points and the points decreased subsequently depending upon the rank on which they reached the location. There were six locations to which they had to find the clues and after reaching the last clue they were directed to round 2. There was an imposter in each team, chosen randomly through chits, whose purpose was to stop their team from winning in order to get the ‘imposter prize’. **Round – 2:** Using the points earned in Round - 1, participants had to devise a Bollywood cast. They first had to choose a movie genre and then, the best possible cast as per their genre. Personalities to be chosen from was provided by us in every category (male lead, female lead, etc.) and there were only 8 of them in each category so the person with highest bid i.e., Maximum points from Round - 1 would have an advantage. The event had a ranking system according to each genre and celebrity, on the basis of which the final result was devised.

**Results:** Black Team represented by Sanyam, Ujjwal, Jigyasa and Piyush from Motilal Nehru College won the first prize Rs. 3,000/-. Orange Team represented by Ashutosh, Mansi, Uday and Shivangi from Sri Aurobindo College won the second prize Rs. 2,000/-. Green Team Imposter Piyush from Hindu College won the Imposter prize of Rs. 1000/-.

#### **SPONSORSHIPS AND COLLABORATIONS:**

For a successful conduct of the event, we collaborated with various organizations, which are mentioned as follows: **Food Partners:** The Bombay Project; **Knowledge Partners:** Cube Consultancy Services; **Education Partners:** Career Launcher, Supremum Classes, Sankhyiki, Alpha Plus; **Gifting Partners:** Howdy, The Choco Rush, Que Belleza; **Media Partners:** DU

Competition, DU Online Campus, DU Circuit Updates; **In College Collaborations:** ChemSoc, KMC, Department of Statistics, LSR Department of Statistics, Ramjas College.

## DEPARTMENT OF ZOOLOGY

**Teacher-in-Charge: Dr. Gauri Garg Dhingra; Staff Advisors: Dr. Anjali Priyadarshani & Dr. Haren Ram Chiary**

THE BIOCENOSE is the Zoological Society of the College. The Word 'Biocenose' describes the interacting organisms living together in a habitat (biotope). Biocenose experienced another extremely successful year in providing skills and learning experience to its enthusiastic and dynamic students through their constant efforts in organizing various academic and cultural activities. Office Bearers for the academic year 2022-23 are President: Om Das, Vice-President: Reema, General Secretary: Meghna T.M., Joint Secretary: Kumkum Rathore, Cultural Secretary: Sanjeev Kumar, Research and logistics Head: Vasundhara Sharma, Content Head: Sahil Sangwan, Technical Head: Stuti Khandelwal, and Social Media Head: Meghana T.M. Total Members in Biocenose are 150.

Some highlights of all the events of the year 2022- 2023 are as follows:

Name of the Event: Counting butterflies to access the environment and a talk on collection and preservation of insects along with a field visit to Kamla Nehru Ridge, held on 16 September 2022. Speaker for the event was Dr. M. Ojit Kumar Singh, Associate Professor, Ramjas College. Dr. Ojith, who had a very detailed knowledge about butterflies, explained to all the students about different kinds of butterflies and explained how the life cycle of butterflies occurs and tried to show each and every stage to the students.

Name of the Event: Hands on Workshop on "Experimental Embryology" on 28 September 2022. Guest speaker of the event was Prof. K. K. Sharma, Former Vice Chancellor, MDS University, Ajmer. This hands-on workshop on "Experimental Embryology" was organized under the aegis of DBT Star College Scheme. The Day 01 of the workshop was based on the practical hands-on experiment of chick embryo culture first demonstrated by Prof K. K. Sharma and further followed by the faculty members as well as the students of the Department. Students from outside and Department of Life Sciences of the College also joined it. The students learned about chick embryology and technique of identification of fertilized and unfertilized eggs. Day 2 was focused on "Digitization of Museum Specimens", explained by Prof. K. K. Sharma. In this session, the participants got to know about the addition of hyperlinks in a document file which simplifies the method of construction of a digital museum. The event was a great success as the students were able to relate the procedure of digitalization, discussed by Prof. Sharma.

Name of the Event: "Departmental Elections" held on 17<sup>th</sup> October 2022. All the faculty members were there to ensure there as observers. The elections were creatively and very effectively organized through an online platform. The candidature debate was held on google meet where all the candidates tried to prove their candidature. Voting then was transparently done through google forms and these elections established the student's council of the

Department as follows: Om Das, the President; Reema, the Vice-President; Meghana T.M., the General Secretary; Kumkum Rathore, the Joint Secretary and Sanjeev Kumar, the Cultural secretary.

Name of the Event: BIRDS PHOTOGRAPHY COMPETITION on 12<sup>th</sup> November 2022. The BIOCENOSE organized a Photography Competition commemorating the birth anniversary of renowned ornithologist Salim Ali, the Bird man of India! This event engaged the general public to care about maintaining healthy bird populations and protecting breeding, non-breeding, and stop over habitats used by migratory birds. National Bird Day programs often are activities such as bird walks, art and photography competitions, nature based festivals, and presentations. These programmes take place in a variety of settings such as zoos, aquariums, protected lands, biospheres, and museums.

Name of the Event: The Official Freshers Party BOLLYVISTA on 13<sup>th</sup> January 2023. The Department organized Freshers Party to welcome the Batch of 2025-26 alongside making every new student feel connected as an integral part of the Biocenose family and be ready to take on the challenges of the year ahead. Jovial smiles and high spirits marked the welcome party for the new students. The theme of the party was Bollywood, making the set-up at the venue look lightening and brightening. The dress code for the students was as per the theme. BOLLYWOOD CHARACTERS. Freshers' party is all about creating everlasting relationships with each other. The event is an indication of union among the students. Winners in the Party were: Mr. Fresher – Ayushman, Miss Fresher – Anjali Bisht, Mr. Well Dressed – Shantanu Sagar, Miss Well Dressed – Smitha Yadav, Mr. Entertainer – Aditya Raj, and Miss Entertainer – Anika A.P.

Name of the Event: BIOCENOSE ANNUAL CALENDAR RELEASE on 3<sup>rd</sup> January 2023. In this event, students were asked to present their ideas through handmade posters and drawings for the layout of the calendar with a theme that signified the prominence of the month in the world of Zoology. The theme and design was a visionary, cumulative and unified combination of thoughts and ideas which made this outline a huge success.

Name of the Event: SEWAGE TREATMENT PLANT VISIT on 9<sup>th</sup> November 2023. A site visit to the sewage treatment plant at Delhi gate, owned by Delhi Jal board on was organised by The Society in collaboration with Bhoomi: The Eco Club Society. A group of students from 1st year B. Sc. Zoology Hons. went to the trip accompanied by Zoology faculty, Dr. Anjali Priyadarshani (Associate Professor) and Dr. Haren Ram Chiary (Assistant Professor). The students learned about the sequence of purification and this trip helped them wonder about the amount of polluted water produced and purified everyday and hence the importance of using it wisely.

Name of the Event: OPEN DISCUSSION ON CANCER on 15<sup>th</sup> February 2023. The Society organized an open mic discussion on Cancer to aware general public on Cancer day, aiming to prevent millions of deaths each year by raising awareness and education about cancer, and pressing governments and individuals across the world to take action against the disease. Dr. Anita Kamra Verma and Dr. Anjali Priyadarshani opened the discussion forum by giving a

scientific knowledge about cancer and its progress. The talks were further carried forward by students. Detailed cancer information and how many types of cancer there are, statistics on cancer in India every year, the treatments available in the world for cancer and how cancer cells are spread, and the causes of cancer were discussed in detail. Every student took part in the discussion and shared their knowledge on cancer and about their experiences.

Name of the Event: INTERNATIONAL WEBINAR ON 'BIOLOGICAL EFFECTS OF RADIATION EXPOSURE' on 18<sup>th</sup> March 2023. Speaker for the webinar was Prof. Sanjay Arya, Assistant Professor of Radiologic Technology in Allied Health Department at Hostos Community College, a part of the City University of New York and an alumnus of Kirori Mal College, batch 1983-86. The Society organized an International webinar on the topic of BIOLOGICAL EFFECTS OF RADIATION EXPOSURE under the guidance of the Principal, Prof. Dinesh Khattar, Staff Advisors Dr. Anjali Priyadarshini and Dr. Haren Ram Chiary and Coordinator DBT star status college scheme, Prof. Anita Kamra Verma. The event started with gratitude to the special guest Dr. Sanjay Arya who is working efficiently on his COIL programme i.e. a body of collaboration of international learnings. He briefly explained the radiation and its source, types with specific characteristics. He also explained the radiation quantities and units of measure, the method of photon interaction with tissue, radio sensitivity, and the law governing sensitivity. Dr. Arya explained target theory, the mode of action to cause various effects and mutations at the molecular, chromosomal, and cellular levels, the importance of the cell cycle its various phases check and balances, and the development of cancer with various risk models to predict these effects. At last, he explained the diagnostic and therapeutic applications of radiation following radiation exposure. The event ended with Q&A session.

Name of the Event: VIRTUAL FIELD VISIT TO NDRI (National Dairy Research Institute) on 22<sup>nd</sup> March 2023. Speaker for this session was Prof. Brajendra K. Meena. An educational virtual trip to National Dairy Research Institute NDRI, Karnal was organized via google meet platform. NDRI is devoted to study and resource development in areas of dairy production, processing and management. A virtual field tour to NDRI Dairy Extension division envisioned students with various aspects of dairy production, packaging and storage of traditional milk and milk products. Students were showcased at a comprehensive exhibition & video conference elaborating the technical aspects of dairy production and scientific activities undertaken at NDRI including career options in the field. Students were familiarized with the techniques of cattle breeding and various indigenous as well as hybrid varieties of cattle. In addition, they showed about the activities for farmers and spreading the awareness upon Women empowerment and the Mainstreaming of gender issues.

Title of the Workshop: Workshop on Drosophila as a Role Model on 28<sup>th</sup> March 2023. This workshop was organized at Deshbandhu College for the students of B.Sc. Zoology (Hons.) 3<sup>rd</sup> year students with the collaborative efforts of Dr. Anjali Priyadarshini, Dr. Jahanwi Ojha from the Department of Zoology (KMC) and Dr. Varsha Baweja (Professor at the Department of Zoology, Deshbandhu College) under the Biocnose. A lecture to the Drosophila culture Extension division envisioned students with various aspects of culturing the Drosophila species in the laboratory. Students were familiarized with techniques of Drosophila culture

and how it is applicable in the world of modern Research. Various life stages were seen under the microscope (pupa, larva, newly hatched drosophila) which helped students in expanding their vision towards this simple and tiny fruit fly. It was a hands on workshop where students themselves experimented with the drosophila. It was really an informative field visit followed by workshop in which the students not only got to know about the concepts of culturing the Drosophila but also learned about the practical methods and how things take place in practical form.

## ARTS IN PROGRAMME

**Convener: Dr. Sagarika Dutta**

The B. A. Programme Society namely Resurgence is not only College's one of the biggest Societies but also one of the oldest ones. It includes various disciplines and combinations of the subjects. Here is the list of programs organised by the Society:

**DARSANA 2022:** The B.A. Programme Society i.e. Resurgence (Department of Philosophy) in collaboration with of the College organized a two-day Philosophy Fest 'Darśana - An Insight into the Self' on 26<sup>th</sup> & 27<sup>th</sup> September 2022, which included talks by eminent intellectuals, followed by exciting competitions for the students. The first day constituted a very thought-provoking talk by Dr. Ajay Verma from J.N.U on the broad topic of 'Technology and Ethics', followed by the preliminary round for debate and poster making and creative writing. All three competitions were highly appreciated and were well-received by the audience as well. The second day started with a talk by Prof. R.P. Singh from J.N.U on the broad topic of 'Religious Diversity'. After the talk, what followed was the final philosophical debate on the interesting topic of 'Tolerance'.

**Ishq-e-Dilli:** The Freshers welcome was organized by a talented pool of students, newly elected members, and the amazing faculty members of the College on 14<sup>th</sup> February 2023. The Programme started with a melodious song sung by Prof. Rakesh Pandey, Department of Physics and a welcome speech by Mr. Rudrashish Chakraborty, Department of English, followed by awesome performances by 2<sup>nd</sup> and 3<sup>rd</sup>-year students. On behalf 'Resurgence', Dr. Sagarika Datta gave a vote of thanks to the entire organizing committee. It was a very successful and well-coordinated event.

Last year in 2022, The Resurgence organized a Farewell party for the students of 2019-22 batch. Held on 5<sup>th</sup> May, the programme commenced with a welcome note by Dr. Rajib Ray, followed by various cultural performances by 2<sup>nd</sup> year students. The 3<sup>rd</sup> year students were then felicitated by respected Prof. Saumyajit Bhattacharya, Dr. Rajib Ray, Prof. Bali Singh and many other respected teachers. The event concluded with a vote of thanks by Dr. Rudrashish Chakraborty, Convener of The Society, Dr. Sagarika Datta, the Co-convener, and Dr. Manju Rani, the Program coordinator.

ICPR Sponsored Periodic Lecture Series on 'Ethics of Globalization' was organized by the College on 17<sup>th</sup> March 2023. The Series hosted two eminent speakers Prof. Shashi Motilal,

(Retd.) Professor of the Department of Philosophy, University of Delhi, and Dr. Ayesha Gautam, Assistant Professor of the Department of Philosophy, University of Delhi, who enlightened the students on the prescribed theme. Prof. Shashi with her half an hour discourse elaborated on the significance of having an Ethical Mind-set while dealing with the goals of a globalized village such as Sustainable Development Goals. She spoke on the topic 'Role of Ethics in the era of Infosphere and Globalization'. After a rigorous deliberation, Dr. Rajib Ray gave the vote of thanks. He not only appreciated the sponsorship and guidance of the Indian Council for Philosophical Research (ICPR) for this lecture series but also thanked the guest speakers for taking time out of their busy schedules to impart the necessary knowledge about the theme.

Another event based on Fundamentals of UPSC in collaboration with the Chahal Academy was conducted on 10<sup>th</sup> April 2023 in the Academic Auditorium of the College by The Society. Mr. Vipin Dubey, IPS Officer of UPSC batch 2021 and Mr. Prateek Akkanawru, a faculty/lecturer at Chahal Academy Private Limited were the Guest speakers. Mr. Prateek Akkanawru shared some of his insights about the Civil Services Examination and explained the structure of the examination, the main and significant resources for the study of the exam and also many key points relating to the examination. Thereafter, Mr. Vipin Dubey shared his experience and reflected on the preparation strategies for clearing the UPSC examination. He explained the students how to manage the routine for study and the some key strategies to crack the various stages in the examination. Students also raised their queries related to UPSC which was answered by both the speakers. The students had positive reviews about the session and many claimed the seminar to be quite good as it helped them gain more knowledge and solved many of their queries.

The Resurgence, in its Annual Fest, organized a two-day competition on 17<sup>th</sup> & 18<sup>th</sup> April 2023. Students from various disciplines participated enthusiastically in many competitions like Painting competition (Theme-Rainbow of Emotions), best out of waste, reel competition, singing and dancing competitions. This event provided them with the amazing golden opportunity to explore their imagination and creativity. The programme was followed by awesome performance of talented pool of students.



# Cultural Societies



## DEBSOC- The Debating Society

**Convener: Mr. Saumyajit Bhattacharya**

### **Orientation Programme**

The Debating Society (Debsoc) began its operations this academic year (2022-23) with an Orientation Programme. The orientation programme was held on 18<sup>th</sup> November 2022. The Orientation was attended by approximately 300 students. During the Orientation Programme, students were introduced to the Debsoc's activities, followed by the presentation of mock parliamentary debates in both Hindi and English.

### **Hindi Wing:**

#### **Udbhav – Freshers Conventional Cum Parliamentary Debate**

On 28<sup>th</sup> & 29<sup>th</sup> January 2023, the Hindi Wing of The Debsoc hosted Udbhav i.e. Annual Freshers Conventional-cum-Parliamentary Debate Competition. It served as a platform for the Freshers to learn and become acquainted with the parliamentary debating. The Debsoc hosted 34 Freshers teams from various institutes throughout the (Delhi) University. The debate had one round of Conventional Debating format, followed by a round of Parliamentary Debating format. The competition was won by the Freshers of Shivaji College, and the runner-up was Shaheed Bhagat Singh College (Morning). The Rolling Trophies were presented to the teams. As Adjudicators, several Debsoc Alumni made a significant contribution to the success of this event.

#### **N.S. Pradhan Memorial Parliamentary Debate Competition (32<sup>nd</sup> Edition)**

The N.S. Pradhan Memorial Parliamentary Debate Competition (NSP) is one of the country's most prestigious and oldest Hindi debate competitions. The Debsoc hosted the 32<sup>nd</sup> Edition of NSP this year on 8<sup>th</sup>, 9<sup>th</sup> & 10<sup>th</sup> April 2023. The competition drew about 40 teams from across the country, including NLU Bhopal, Rajasthan University, and various colleges from the University. This year, we have also introduced a trainee adjudicator competition in NSP so that the debaters can learn about the adjudication process. Politics, History, Society, Miscellaneous, and KMC Classic (Sex & Gender) were among the competition's motions. The JNU cross Shivaji team won the 32<sup>nd</sup> NSP, with the Faculty of Arts team finishing second. The rolling trophies were presented to the teams. There was also a significant role for the Society alumni, who guided the participants and served as adjudicators.

Apart from organising annual events, the members of The Debsoc also won various Conventional, Turncoats and Parliamentary Debate competitions in this academic year. To name a few of them, they were Motilal Nehru Memorial Parliamentary Debate, Vedangam (ARDS Annual Parliamentary Debate), Satyawati (E) Annual Parliamentary Debate, and Rajdhani College National level Conventional Debate Competition.

### **English Wing:**

#### **42<sup>nd</sup> Frank Thakurdas Memorial Parliamentary Debate Competition:**

The 42<sup>nd</sup> edition of the Frank Thakur Das Memorial Parliamentary Debate (FTD/42) was a huge success. It was conducted on 11<sup>th</sup>, 12<sup>th</sup> & 13<sup>th</sup> February 2023. With the participation of

42 teams from prestigious institutions across the country, this year's FTD was a resounding success. A cross team comprising students from Deen Dayal Upadhyay College and Delhi Technological University was the winner of this year's tournament after they defeated a cross team from Gargi and Delhi College of Arts and Commerce with a 7-2 split. The themes of the motions included topics from History, International relations, Economics, Philosophy, Feminism etc.

The Society also organised the first Intra-Society British-Style Parliamentary Debate Tournament on 7<sup>th</sup> & 8<sup>th</sup> April 2023. It had 2 rounds where 8 seniors teamed up with 15 juniors, followed by a round debated completely by juniors, who were selected on the basis of their speaker scores. Kashika and Harshit emerged as the winners of this tournament. The practice provided great exposure to the emerging debaters.

After a hiatus of almost 2 years (due to the pandemic), the academic year 2022-23 was full of memorable experiences and learning for The Debsoc as members got the opportunity to debate in the offline mode. Students actively participated in tournaments across the country and bagged positions in several of them.

This includes being part of the winning team (Novice) at Ikhitilaf PD, organised by Zakir Hussain College as well as at Polemic organised by Ramjas College. The KMC Debsoc team was also the Novice Finalists at People Speak organised by Shri Venkateshwara College.

In adjudication, several of the Society members did remarkably well such as being declared the best adjudicator at IIT Delhi PD and College of Vocational Studies PD and second best adjudicators at National Law University Jodhpur, Symbiosis Centre for Management Studies Noida, Punjab Engineering College, Chandigarh and FTD'42 (KMC).

## **FAPS- The Fine Arts and Photography Society**

**Convener: Dr. Praveen Kumar Anshuman**

The Fine Arts and Photography Society is an integral part of the College which has sought to maintain its stature as one of the most prestigious cultural Societies at the University level. Consisting of an array of competent fine artists and photographers, it aims to provide an environment rich in knowledge, experience and expertise to inspire and create the best. The Society has established its presence by receiving some of the most honourable awards and recognitions in various events at the national level. It is worth mentioning that the post holders' as well as the members' consistent efforts have helped in carrying on the legacy of the Society. The session of 2022-23, so far, has gone remarkably well under the excellent supervision and all time support of Dr. Praveen Kumar Anshuman as the Society's convener.

### **About the Members:**

The Society has a total number of thirty-five members pursuing different courses in this session. It recruited sixteen new members during the general trials for the session 2023-24. Besides recruiting fine artists and photographers, the Society gave various opportunities to filmmakers, graphic designers, digital artists and sculptors by making them a part of the team and

showcasing their work. The office bearers of the society consist of the following posts: President: Shubhra Garg; Vice-President: Sheefa Bin Sofi, General Secretary: Anushka Trivedi.

#### Events and Activities:

- **Annual Day 2022:** The Annual Day of FAPS was celebrated on 4<sup>th</sup> May 2022. The Society put up an exhibition for the event which showcased the exquisite work of the members of the Society, followed by an award ceremony where our notable alumni Mr. Mohit Jindal and Mr. Anubhav Singh were felicitated for the award of ‘The Best Creative Photographer’ and ‘The Best Creative Artist’ respectively.
- **Publication Designing:** As a token of gratitude to the graduating class of 2022, everyone came together to curate a yearbook for the farewell of the seniors.
- **Members Photoshoot:** The FAPS announced its executive team of fine artists, photographers and the core team on its social media on 13<sup>th</sup> July 2022. The Society conducted a shoot for the members to showcase the camaraderie and spirit of the Society, as well as to promote it to potential new members. The serene and beautiful Humayun’s tomb became the choice for the shoot as it is visually appealing, and represents the society’s identity, and the photographers have had many photo walks at this place. This supports the recruitment of new members, engages current ones, and enhances the Society’s reputation.
- **Fashion Photoshoot with VASTRAM, the Fashion Society of SGTB Khalsa College:** The FAPS aimed to collaborate with various Societies of the University to build a network, improve each other’s skillsets, and have some healthy connections. Keeping that in mind, we therefore had our first major collaboration with VASTRAM, that is, the Fashion Society of SGTB Khalsa College, on 15<sup>th</sup> September 2022, conducted at our very known, beautiful place, Lodhi Garden. Each photographer got to work with each model of the other Society. This gave them a chance to be as creative as they could be and explore and experiment with different aesthetics with every member.
- **Art walk with Delhi College of Arts:** On 27<sup>th</sup> September 2022, The FAPS went on an Art walk with Delhi College of Art students to Jaipur House, the former residence of the Maharaja of Jaipur in New Delhi. Fine artists from the Society as well as students from Delhi College of Art participated in an interactive session to learn about Indian culture, hidden art forms from the past, and the works of many Indian artists. Exposure to various art forms inspired the Society’s fine artists to explore various mediums of art as well as improve their art styles to the finest.
- **FAPS at #DUwaliDiwali:** The Delhi University is known for its festivals and extravagant celebrations of various festivals. With Diwali festivities taking place in the month of October, there were many festivals, melas, and fairs. The FAPS became a part of these celebrations and put up stalls in two Diwali melas on the University of Delhi’s North Campus. The preparations for the stalls began a week in advance. The stalls consisted of

various activities for the visitors to engage in such as face painting, hair braiding through colourful threads and a photo-booth the visitors could buy handmade products such as bookmarks, postcards, badges, stickers, etc. from.

- **Generals Trials:** The students of the College were provided with an opportunity to be a part of the Society through the general trials. The recruitment process included various stages starting with the Orientation Programme for the students, conducted in College on 16<sup>th</sup> November 2022 where the students were briefed about the working of the Society and the essential information regarding the recruitment process. Approximately fifty candidates appeared for the trials and were selected through critical rounds of evaluation and screening so as to maintain the level of quality of work that is expected by a member of the FAPS.
- **NAAC Visit:** An exhibition of various clubs, Cells, Committees and Societies of the College was organised for the honourable guests from the National Assessment and Accreditation Council on 19<sup>th</sup> & 20<sup>th</sup> December 2022. The FAPS had the opportunity to display their work on the event day. The group displayed its impressive talents by setting up an exhibition on the grounds of the library. The Principal, several academics, and the Chief visitors attended the exhibition and praised the participants' abilities, which were evident in their individual works. The Chief Guest discussed his passion for both photography and fine arts while giving the Society guidance on how to go global.
- **Art Walks:** The session's first art walk after the recruitment of new members was held at Bikaner House, Delhi where the members also got to meet and learn from Mr. Muzaffar Ali, who is an Indian filmmaker, fashion designer, poet, artist, cultural revivalist, and social worker. To gain inspiration and witness different art forms and styles, the fine artists of the Society have also marked their presence at the Jaipur House, which is the former residence of the Maharaja of Jaipur in the city of New Delhi.
- **Photo Walks:** The session's first photo walk which was accompanied by all the members of the FAPS began on the Yamuna Ghat. It was where the introduction of the members was initiated and followed by a session by a renowned photographer Vineet Vohra. The members explored and expressed the beauty of Old Delhi through their art. Throughout the session, the photographers have been to various photo walks, exploring Delhi through their cameras. From the streets of Chandani Chowk to the beautiful monuments and tourist places such as Lodhi Garden, Jama Masjid, Majnu Ka Tilla, and Sunder Nursery, they have covered them all!
- **The Founder's Day:** The Society showcased its brilliant skills by putting up an exhibition on the College's Founder's Day. The Chief Guest and the Principal, along with various other alums, graced the exhibition and appreciated the members' skills, which were apparent in their respective works.
- **Perceptions:** The Society organized its two-day Annual Fest 'Perceptions' on the 17<sup>th</sup> & 18<sup>th</sup> April 2023. It imitated every aspect of a professional exhibition and set up a new standard for all art exhibitions across the University. The exhibition had various

installations which illustrated the theme of 'Festive Tranquillity' in their own way, stalls which offered face painting, temporary hair colour and sold customized bookmarks and postcards, a space for various artisans who needed a platform to showcase their work, a marvellous interior section and a plethora of competitions calling all the artists and photographers of the University to compete against each other. The event was highly acclaimed by the general audience, teachers and participants.

- **Going Digital - Instagram:** The Society initiated its digital expansion project in 2019. The first target on the social media app was Instagram. The project was experimental in nature with initial followers of 400 accounts at that time. Through numerous collaborations, competitions, features, giveaways, live sessions and other engaging as well as education-based posts, the page has now gathered 2,600 followers till date.
- **Going Digital - Website:** The Society progressed in its digital expansion in 2022. After the first social media app being the Instagram, our newly launched website is here at [www.fapskmc.com](http://www.fapskmc.com) to bring an informative, and interactive platform where one can discover all the latest blogs, events and surprises, the Fine Arts & Photography Society has to offer.

#### **Achievements 2022-23:**

1. Atin Bhatia: B. R. Ambedkar University - On-the-spot Photography competition - 3rd Position; Kirori Mal College - National Bird Day Photography Competition - 1st Position; Hindu College- Wildlife Photography Competition- 2nd Position; and IIT DELHI- Street Photography Competition- 3rd Position.
2. Pratham Raj: Picasso International art competition - 2nd Position.
3. Vivek Kumar: ASRD Delhi University - Pixelation photography competition - 3rd Position.
4. Sheefa B. Sofi: Kirori Mal College - Poster making by Department of Philosophy - 2nd Position.
5. Shubhra Garg: Satyawati College - Collage Making Competition- 1st Position; Delhi Technological University - Face Painting competition- 1st Position; and IIT Bombay - Print Making (Investigative journalism)- 1st Position.
6. Rohit Dabaas: St. Stephens College- Minimalism photography competition - 3rd Position.
7. Parthsarathi Varma: Miranda House- Juxtaposed On-the-Spot Photography- 1st Position; Kirori Mal College- National Bird Day Photography Competition- 2nd Position; and Lady Hardinge Medical College- Silhouette Challenge- Special Mention.

To summarize, the session of 2022-23 has seen a significant amelioration in all aspects of the Society. The Society would like to express our heartfelt gratitude towards its Staff advisor, Dr. Praveen Kumar Anshuman, for his immeasurable guidance and constant support throughout the session. It shall also be noted that, without the immense support of the Principal, Prof. Dinesh Khattar, the Society would not have had the requisite platform to work on what it currently has. Lastly, the Society extends big thanks to Shubhra Garg for presiding over the Society during the session of 2022-23 and our post holders, Sheefa Bin Sofi and Anushka Trivedi for their valuable contribution to the Society

## MONTAGE- The Film Society

**Convener: Mr. Pankaj Bharti**

Montage: The Film Society (KMC) strives to build a culture of serious cinema viewing and analysis in college and further encourages some of the members to take a step forward in filmmaking. This year was a successful one for The Montage. The calendar was filled with a plethora of public screenings, interactive workshops and collaborations. We were also able to fully operationalise the film-making wing this year and start working in a full-fledged manner.

The Society began its official work for the session in June 2022. The Montage in collaboration with Wylo (a community-based platform) organized an event with writer, director and actor Divya Unny. We screened two of her short films: 'Her First Time' and 'Dancing Queen'. The screening was followed by a one-on-one interactive discussion with her.

The filmmaking-wing organized informational and interactive workshops on different aspects of pre-production such as screenwriting, shot-listing and storyboarding. Simultaneously, the analytical wing had also been organising closed interactive sessions on film criticism, synthesis and film writing. These sessions allowed us to critically examine films from different filmographies and movements and bring distinct perspectives to the discussion.

On the 5<sup>th</sup> September 2022, The Montage successfully collaborated with the Ritva, a non-profit organisation, committed to de-mystifying the stigma around menstruation. The collaboration was done to screen Alfonso Cuarón's Academy Award-winning work 'ROMA'.

The event was graced by the founder of Ritva, Ms Tanisha Pandit.

Striving to build a culture of serious cinema viewing and analysis, the analytical wing of The Montage organised a public screening and discussion on Ingmar Bergman's 'Persona', a black-and-white Swedish psychological drama on 24<sup>th</sup> September 2022.

In October, the filmmaking wing created a full-length documentary on the various facilities available in our College for PwD students to create awareness about their issues and to break the ableist barrier. On 31<sup>st</sup> October 2022, The Montage successfully conducted the screening and discussion on 'Mirror', a 1975 Russian language film, directed by renowned Soviet filmmaker Andrei Tarkovsky. On 19<sup>th</sup> November 2022, The Society conducted the screening and discussion on the sci-fi film 'The Butterfly Effect' and received a positive response from the audience and members alike.

The Orientation session for the new members was conducted on 16<sup>th</sup> December 2022. This year marked the first full-fledged offline recruitment process of the Society since 2019. The applying candidates were judged on their acumen, expression and synthesis through a number of written and group discussion rounds. On 30<sup>th</sup> December 2022, we conducted the screening and discussion on Reservoir Dogs, a classic 1992 American indie neo-noir crime film written and directed by Quentin Tarantino.

In January 2023, the filmmaking wing of The Montage collaborated with ‘ShubhAshish Productions’, a broadcasting and media productions company to gain hands-on industry experience and collaborate on joint venture projects. The Society also conducted workshops on production and cinematography, and successfully compiled scripts for more than 35 short length frames and 10 sketches. On the 25<sup>th</sup> January, The Society conducted an interactive session with the renowned Indian filmmaker, writer, musician and producer Mr. Aditya Kriplani.

On 2<sup>nd</sup> February 2023, The Society along with the North East Students’ Cell organized a film screening of ‘Village Rockstars’, directed by Rima Das. The unprecedented support which the event got by the students of not only KMC but also from the attendees of the other colleges exhibited the soothing picture of the young generation’s keen interest in reviving the regional cinema. Also, in February 2023, The Society conducted the screening of Wong-Kar-Wai’s ‘In the Mood for Love’. In February 2023, the filmmaking wing successfully produced two experimental short films titled ‘Judwig’ and ‘Dolorous’.

On the 2<sup>nd</sup> & 3<sup>rd</sup> of March, 2023, the filmmaking wing successfully conducted a 2-day dedicated on-set workshop in collaboration with ShubhAshish Productions in order to practice all aspects of filmmaking simultaneously. On 14<sup>th</sup> March 2023, to celebrate the International Mathematics Day as well as National Pi Day, The Society in collaboration with Tensors, the Mathematics Department Society conducted the screening and discussion on ‘The Man Who Knew Infinity’.

The Annual Fest ‘Mise-en-Scène’ was organized from April 1<sup>st</sup> to April 3<sup>rd</sup> 2023. The theme for the exhibition this year was ‘World Cinema’. The following was the schedule for Mise-en-scene’23 –

1. **April-1:** Movie screening and discussion on ‘Dhuin’ in presence of director Achal Mishra. Cinema Quiz and Treasure Hunt contest were conducted.
2. **April-2:** On-Spot short filmmaking competition that was attended by teams from multiple colleges of Delhi University.
3. **April-3:** Movie screening and discussion on ‘The Banshees of Inisherin’ and ‘Jaane Bhi Do Yaaro’. Speaker session led by Abhija Ghosh on ‘Comedy and Urban Dystopia in Cinema’.

## MUSOC- The Music Society

**Convener: Dr. Mohd Baber Ali**

With the admission of first year ECA students on the basis of their musical talent in Western and Indian vocals, tabla and keyboard, the year 2022 began in right earnestness for MUSOC. Prior to this, the Society held the general auditions earlier in August 2022 to widen the pool of students admitted in MUSOC on the basis of their musical talent and potential. A three-week Orientation Workshop was also arranged for all incoming members to help them learn vocal techniques and different genre requirements. During the workshop, members were also

taught earlier compositions of MUSOC – amongst which was an old MUSOC composition based on three ragas: Nat Kamod, Nandkauns, and Shuddh Kalyan.

Additionally, all the students were taught the annual western Acapella piece, consisting of three songs – *Just the Two of Us* (Bill Withers), *Japanese Denim* (Daniel Caesar), and *I Wish* (Stevie Wonder). An important feature of this year’s programme was the several occasions when MUSOC choir and soloists showcased their talents in the following events:

The MUSOC organised a memorable musical tribute to honour its alumnus KK in April 2022 after his sudden demise. Several contemporaries of KK attended the event to sing his songs and share stories of his days in college. A Farewell to Sumitra Mohanty, the Founding Staff Advisor of MUSOC, and a MUSOC Alumni Meet were organised on 3<sup>rd</sup> September 2022 in which the MUSOC members re-visited earlier times through songs, reminiscences and laughter since 1984.

The NAAC Cultural Evening (December 2022) in which the band’s performance was appreciated by the audience that was enthralled by the musicians’ skills and talent. The Founder’s Day celebration (February 2023) was another event in which the band’s performance was a fitting tribute to the 69<sup>th</sup> anniversary of the College’s foundation. Further, the College Alumni Meet 2023 (April 2023) gave The MUSOC members an opportunity to perform for their seniors and showcase the group’s growth and development over the decades.

The Parivartan programme on the theme of the Girl Child was also organized with the MUSOC members. The Department of Computer Science, University of Delhi invited MUSOC to perform at its Annual Festival in March 2023. The performance was well received by festival participants and Department faculty members.

Throughout the year, The MUSOC participated in several competitions across the DU circuit and won appreciation and several prizes:

#### **INDIAN CHOIR**

1. Dyal Singh (E) College	1 <sup>st</sup> Position
2. Delhi Technological University	2 <sup>nd</sup> Position
3. Jesus and Mary College	2 <sup>nd</sup> Position
4. Miranda House	2 <sup>nd</sup> Position
5. Deshbandhu College	3 <sup>rd</sup> Position
6. St Stephen’s College	3 <sup>rd</sup> Position

#### **WESTERN ACAPELLA**

1. Miranda House	1 <sup>st</sup> Position
2. Shaheed Bhagat Singh College	1 <sup>st</sup> Position
3. St Stephen’s College	1 <sup>st</sup> Position
4. Aurobindo College	2 <sup>nd</sup> Position
5. Dyal Singh (E) College	2 <sup>nd</sup> Position
6. Shri Ram College of Commerce	2 <sup>nd</sup> Position
7. Lady Shri Ram College for Women	3 <sup>rd</sup> Position
8. Ram Lal Anand College	3 <sup>rd</sup> Position

**SOLOS**

1. JASON SUNNY VARUGHESE
  - Maitreyi College 1<sup>st</sup> Position
  - Deshbandhu College 1<sup>st</sup> Position
  - Kalindi College 1<sup>st</sup> Position
  - IIT (Delhi) 3<sup>rd</sup> Position
  - Miranda House 3<sup>rd</sup> Position
2. PRASEN SINGH INDOLIYA
  - Jesus & Mary College 2<sup>nd</sup> Position

The year has not ended yet for us. With SURMANJARI'23 lurking round the corner (on 24 & 25 April 2023) is ready to feature competitions amongst the University's best teams in the Indian Choir and Western Acapella categories. The high point of the music festival, as always, will be a concert by The MUSOC members featuring a vocal and instrumental mix of several performances.

The credit for pulling through a challenging year goes to the fine team work of our student Office-Bearers – Harsh Bhardwaj (President, and Western Acapella In-charge), Aryan Dogra (Vice-President), Jason Sunny Varughese (Treasurer), Avni Gupta (Indian Choir In-charge) and Siddharth Shah (Band In-charge). In addition to these, special mention must be made of the following students – Prasen Singh Indoliya, Ayushman Chaudhary, Anupam Anil, Shauray Tiwari, Kshitiz Atwal, Shivam Roy, Faith Merin Job, Falak Khan, Akanksha Pateria and Parinamika, who made difference with their talent and dedicated additional support to the group.

## SENSATION- The Dance Society

**Convener: Ms. Balbir Kaur**

Sensation established itself as an official extracurricular organization in the year 2000 with the goal of providing students with a venue to celebrate and showcase their love of dance. Every year since its inception, it has competed in more than 50 institutions (pan-India) in an effort to establish a legacy, and it has consistently placed in the top three lists of the Delhi University dance circuit. Sensation is renowned for the inventiveness of its dance routines and the montages it has produced live. Only through the sacrifice, hard effort, long hours of practice, and dedication of the pupils has any of this been made possible.

Sensation comprises two wings namely the Choreography Wing and the Western Wing. Both the wings prepare their separate productions every year and work on different dance forms. The Western Wing focuses on dance styles such as popping, jazz, etc. while the Choreography wing focuses on the contemporary dance style. The Society began its session for the year 2022-23 with 37 students in November 2023. The Society practices a myriad number of dance forms like House, Contemporary, Popping, Locking, Hip Hop etc. making it one of the few versatile Societies in the University.

**Achievements 2022-23:**

S. NO.	NAME	DATE	INSTITUTION	PRIZE
1.	Abinaya Balaji	23/3/2023	Bharati Vidyapeeth Deemed University	1st
2.	Aashish	28/1/2023	IIT Delhi	1st
3.	Aashish	17/2/2023	DTU	1st
4.	Ryana Singh	19/11/2022	University College of Medical Sciences	2nd
5.	Pratishtha Joshi	14/2/2023	Sri Aurobindo College	2nd
6.	Western Group Dance	18/9/2022	AIIMS Delhi	2nd
7.	Ryana Singh	11/2/2023	Lal Bahadur Shastri Institute of Management	2nd
8.	Ryana Singh	12/12/2022	IMT, Ghaziabad	2nd
9.	Ryana Singh	16/12/2022	IBS, Gurgaon	2nd
10.	Abinaya Balaji	27/2/2023	Daulat Ram College	Special Mention
11.	Western Group Dance	5/2/2023	IIT Guwahati	-
12.	Adamyia Soni	16/12/2022	IBS, Gurgaon	-
		12/12/2022	IMT, Ghaziabad	-
13.	Ryana Singh	23/3/2023	Bharati Vidyapeeth Deemed University	-
		29/3/2023	SRCC	-
14.	Abinaya Balaji	17/3/2022	IIT Kanpur	-
		18/2/2022	DTU	-

**Additional Performances:**

1. NAAC Survey Cultural Event: The event was conducted on 19<sup>th</sup> December, 2022. Sensation represented the College to the NAAC officers with various dance forms including contemporary, western and classical.
2. Founder's Day 2023: The Event was conducted on 1<sup>st</sup> February, 2023. Sensation actively participated in the event and had four performances of different dance forms in total, including Contemporary, Bharatanatyam and Western.

**Event's Organized:**

1. Fresher's Talent Show: Freshers were given a platform to showcase their talent: be it any dance form. They were given a time limit of 1-1.5 minutes to perform and display their talents.
2. Choreography and western Workshop: Both the wings organized separate workshops for their respective dance forms. All the students were taught basics of the dance forms and a small choreography.

We would also like to thank Prof. Roopinder Oberoi, Dr. Karuna Shree, Dr. Khusro Moin, Dr. Leena Devi and Ms. Manisha for their support and guidance throughout the year. Office Bearers of the session 2022-23 include: Aditya Tomar (President), Avni Kharbanda (Vice-President: Choreography), Vanshika Dhingra (Vice-President: Western), Abinaya Balaji (General Secretary: Choreography), Ryana Singh (Treasurer: Choreography), Arjun P H (Treasurer: Western), Ayushi Sahu (PR Head: Western).

## SPIC-MACAY- The Indian Classical Music and Cultural Society

**Convener: Dr. Ram Sunil Kumar Lalji**

THE SPIC MACAY: The Indian Classical Music and Cultural Society, founded in 1977, conducts its VIRASAT series annually comprising an eclectic mix of performances by artists, workshops in classical music, classical arts and folk. Coordinators of the Society for the academic year 2022-23 are Ms. Ishika Sharma, Mr. Nishant Kumar Jha, Mr. Manish Kumar, and Mr. Varun Jindal. Executive members are Mr. Reetwik Mishra, Shubham Jha, Ishika Singla, Mr. Kartik Sharma, Ms. Sanjana Bano, Ms. Vishakha, Mr. Akshat Bhatnagar, Ms. Sanvi, Kritika, Aryan Arun, Ajay Singh, Naresh, and Parth Lohia, Gitesh.

The College returned to its SPIC MACAY programme after a brief hiatus post COVID, with Kathak recital by Padmashri Shovana Narayan, an internationally celebrated Kathak dancer. She was accompanied by Ustad Shakeel Ahmed Khan on the Tabla, Shri Madho Prasad, music composer, and vocalist Shri Mahaveer Gangani on Pakhavaj and Azhar Shakeel Saheb on the violin. She was performing in the College after a long gap of 43 years, with her last performance in the college held in 1980.

After the ritual lamp lighting and felicitation of the artists with shawls, the lecture demonstration programme started with respected Ms. Shovana have performance with her signature rhythmic brilliance which mesmerized the whole audience. She described the origins of the Kathak dance form, different mudras, movements, the play of the sound of ghungroos. She enacted through Abhinayam several famous mythological sequences from the Mahabharata like the court room scene among others.

The programme was well attended by both faculty members and students. The packed crowd rejoiced and enjoyed the lecture demonstration thoroughly. The event closed with students enthusiastically taking pictures with the team and interacting with Ms. Shovana, regarding the dance form, her journey and the training programs offered by her.



# **Student Empowerment Societies/Cells**

## AVENUES - The Placement Cell

**Convener: Mr. Ajay Ranjan Singh**

Kirori Mal College has always been a preferred destination to recruit from a large number of companies as the students here not only prove their mettle in academics but also excel in extra-curricular activities. With the relentless support of the staff and the students associated with The Placement Cell in the Placement Session 2022-23, our college offered great opportunities for the students to connect to the best recruiters in every field and sector.

Avenues - The Placement Cell of the College is among the oldest and the most active placement cells of the University. The main objective of Team Avenues is to bridge the gap between the stringent competition in the industry and the talent available in the College. It serves to assist the students in the corporate world. With a team of 30+ motivated members, Avenues resourcefully utilizes its network with esteemed recruiters from the corporate world for fulfilling its commitment towards bringing multifarious opportunities to campus. The College produce graduates that are well equipped to handle the working norms of the industry and commerce in the public and private sectors, helping every student to define his/her career interest.

A record-breaking Benchmark has been set by having 180+ companies that offered an average of INR 8.89 LPA, demonstrating the tremendous faith of leading organizations in the exceptional capabilities of the students of the College. In total, 170+ students were placed. Cobblestone Energy offered the *highest international package* this year, valued at INR 49.70 LPA whereas Trilogy offered the *highest domestic package* valued at INR 36.50 LPA. The gross package came to a whopping INR 11 crores! It is also at the forefront of securing the exciting internship opportunities for students of all majors. 980+ recruiters collaborated for furnishing first-hand experience in the real world. It is not only these figures that show the belief of recruiters in us but is also evident in their positive feedback when they praise the enthusiasm of the students exuded in the placement process.

The Placement Cell has always strived to identify each student's potential and has unconditionally worked to initiate programmes presenting exposure that is vital to hone skills and nurture talent. The Cell serves as a strong interlink between the students and the corporate world, ensuring that each job aspirant meets his employer. The Cell engages the students and exposes them to the experiences of the corporate world through *pre-placement talks, interactive sessions and competitions* to give a strong insight to the students on future career prospects as well as an understanding of corporate dynamics.

### INTERNSHIP HIGHLIGHTS:

With 980+ recruiters offering to collaborate, the Placement Cell completed another successful internship session. *Data Analytics, Business Research, Audit, Consulting, Investment Banking, Actuaries, Finance, Marketing, Research, Web Development, Human Resources, Content Creation, and Business Development*, to mention a few, experienced a significant increase in

the number of firms recruiting interns from our college with 245+ internships offered along with INR 4.20 Lakhs and INR 18k as the *highest stipend offered* and *average stipend offered* respectively.

#### ALUMNI PLACEMENT HIGHLIGHTS:

The median CTC offered for alumni was INR 5.01 LPA, with an average CTC of INR 5.72 LPA. The total gross CTC offered was around INR 9.60 Crores. *Byju's, Global Health Strategies and Healthium MedTech* gave the highest package i.e. INR 20 LPA. Neenopal and Impendi offered the second and third highest packages, with CTCs of INR 14.2 LPA and 13 LPA respectively.

Our major recruiters include DE Shaw & Co, Deloitte, LEK, Accenture, ZS, Willis Towers Watson, Bain & Company, Axxela, Trilogy, KPMG, Cobblestone Energy, EY, PWC, HCL, Tresvista, Nation With Namu, RSA, UBS, Fundwave, Joveo, Optum, Impendi, MGH, Frost & Sullivan, Authbridge, RSM, BDO among others.

Carrying forward the legacy of surpassing history, our students proved their mettle by seizing opportunities at revered companies. We envisioned greater heights, strengthened our corporate network, amplified growth opportunities, and diversified our associations, which were testified by a striking round of statistics achieved over the session. The TiCs that coordinated with us were: Dr. Pratibha Kumar, Mrs. Geetanjali Kher, Dr. Mamta Sareen, Dr. Uma Sharma, Dr. Agam Kumar Jha, Dr. Vikram Singh Chaudhary, Dr. Reena Saxena, Dr. Alka Sabharwal, and Dr. Vandana. Office Bearers of the Cell are: Vaidehi Vyas- Head Coordinator, Naman Bhatia- Vice Head Coordinator, Kanan Bansal- Operations & Outreach Head, Divit Garg- Corporate Head, Riyansh Jain- Corporate Head, and Swayam Pratap Singh- Internships Head. Senior Coordinators were: Apoorv Arora, Apoorva Mittal, Celina Srivastava, Charvi Singh, Bhavya Gakhar, Gunjan Bhatia, Jasmeet K. Gill, Kankana Saha, Kartikeya Khanna, Namrata Goyal, Rishita Bulchandani, Shreya Sharma, and Vaibhav Agarwal. Other coordinators were: Aman Raj, Dhruv Gupta, Divit Lamba, Jiya Jindal, Kushagr Sinha, Naija Budhiraja, Naman Arora, Nidha Mohammed, Parth Rathi, Prachi Bhambri, Riddhi Rastogi, Saksham Dixit, Shivam Pansari, Siddhant Jain, and Tanisha Omar.

### ECO-CLUB: BHOOMI- The Environmental Society

**Convenor: Dr. Anjali Priyadarshani**

As a body of dedicated members to promote environmentally sustainable practices, Bhoomi: The Eco Club is committed to work in the direction of protecting the planet earth and foster a community that prioritizes the health of our ecosystem. Over the span of a few months, The Club has worked tirelessly to spread awareness about the importance of environmental conservation and to implement various initiatives aimed at reducing our carbon footprint. Through educational campaigns, community outreach events, and hands-on environmental projects, The Club has strived to engage its members and the wider community in sustainable practices. Office Bearers of The Club are – President: Manya Jain, Vice President: Sakshi

Rawat, General Secretary: Aditi Jha, Treasurer: Manya Gupta, Marketing Head: Somil Singhanian, Marketing Co-head: Ashish Pachauri, Event head: Ravinder Singh, Event Co-head: Shubkamna, Technical Head: Aditya Kumar, Technical Co-head: Shivansh, Social Media Head: Kritika, Content Head: Rajashree Pathak, Content Co-head: Kunal, Research and Development Hed: Sagnik Pal.

To mark the celebration of Van Mahotsava which is celebrated during the first week of July every year, The Club organised a plantation drive on 7<sup>th</sup> July 2022 from 9 am to 11 am in the College premises. The front yard of the College's Boy's Hostel mess was chosen as the venue for the event. On 26<sup>th</sup> August 2022, The Club organised a dog feeding drive on the occasion of International Dog's Day. The main theme of this drive was to encourage people for adopting stray dogs along with focusing on creating awareness on social media by making two reels, one of which focused on the importance of adopting dogs rather than buying them and the other focusing on how to take care of stray dogs.

The Club organised a workshop cum fund raiser event "Murtikala" on 29<sup>th</sup> August 2022 on the occasion of Ganesh Chaturthi, the chief motive of which was not only on how to sculpt an idol but also on how to do it in eco-friendly way. The Guest of the event was Mrs. Sachii Tripathi, Founder of Terracotta, an organization dedicated to art of pottery. On 20<sup>th</sup> September 2022, a treasure hunt was organized in which around 224 students participated enthusiastically. In this event, every team was to solve the riddles to get the flag of their team colour. On 30<sup>th</sup> September 2022, The Club organised an open mic event on the theme environment v/s development. The main motto of this event was to provide a platform for people to express their views, emotions and thoughts.

On 14<sup>th</sup> November 2022, the Orientation Programme of The Club was organized, aiming at making students aware about its objective, work culture and the events it organizes throughout the year. The Programme was an excellent opportunity for those who are passionate about protecting the environment to learn more about the club and its activities. Through this programme, students were able to interact with like-minded individuals, exchange ideas, and discover ways to make a positive impact on the environment. Thereafter, the recruitment process of The Club was started and, after a rigorous steps, the members were selected.

In the month of January 2023, an online Photography Competition on the theme 'Nature' was conducted. It received an overwhelming response consisting of participants across the university. The uniqueness of the competition was that the participants had to weave a short story from the clicked pictures and provide a unique hashtag for that as well. They were also required to explain the content of the picture(s). The Club also organised an event called 'Coconut Bonsai Workshop' on 17<sup>th</sup> January 2023 with an aim of promoting sustainable living. The objective of the event was to educate and encourage people to make a positive impact on the environment by reusing waste.

Another event as a welcoming session for the newly-recruited Bhoomi sapiens 'Welkom Fiesta' was organized on 17<sup>th</sup> January 2023. It was a first step towards this goal, and The Club hoped to make it a memorable event for all the participants. The event included various

activities and icebreakers, which made the new members feel comfortable and welcome. The existing members of the club also shared their experiences and ideas, which will help the new recruits to understand the club's functioning better. The new recruits were also given a chance to express their interview experience. Overall, the event was a great success and was able to introduce the new members to the friendly space of The Club.

On 16<sup>th</sup> February 2023, an organic Holi-colour making workshop 'Rangshaala' was organized, aiming at teaching the participants how to make organic and natural colors for the upcoming Holi festival. On 12<sup>th</sup> February 2023, The Club, in collaboration with There Is No Earth B, organized a cleanliness drive in the ridge area near Karol Bagh metro station, aiming to raise awareness about the importance of keeping the environment clean and to encourage people to take responsibility for their surroundings.

Besides many events, several govt. initiatives such as National Afforestation Programme (NAP), Forest Fire Prevention and Management Schemes (FFPM), National Action Programme to Combat Desertification, Compensatory Afforestation Fund Management Planning Authority have also been made aware of Bhoomi's official Instagram page. It has also made people aware about alternatives to single use plastic, role of tribal communities in conservation of environment, flowers that attract butterflies. Jharkhand Jungle Bachao Aandolan, silent valley movement 1973, Bishnoi movement, Rights of Rivers, Yeti, Tulsi Gowda- the encyclopaedia of forest, Joshimath issue, toxic foam in Yamuna have also been taken into consideration.

A speaker session 'Green Guardians: Defenders of the Wild' on 5<sup>th</sup> April 2023 under its Annual Fest La Naturez'23 was organized. It was graced by Dr. Athiappan Pragatheesh, a Wildlife Inspector and a Wildlife cybercrime Investigator, who gave insights about the rising crime cases in the forests and the threat animals have to confront along with measures on how to reduce the atrocities on animals. Further, with an aim to promote sustainable living and green lifestyle, The Club organised 'LITTERCRAFT' on 5<sup>th</sup> April 2023 under the banner of its Annual Fest. In this, the contestants were required to show their creativity and convert old and discarded items into artistic pieces under the theme: UPCYCLING (Eco-friendly, Fashion, Electronic & Home decor). First position was secured by Yashi Bansal and Komal Bhadana from Miranda House. Second position was bagged by Ayushi Priya and Priyala Gupta from Miranda itself while Deepti and Surbhi came third. The winners were awarded with prizes worth Rs.4000.

On 5<sup>th</sup> April, 2023, The Club organized a Nukkad Natak on the theme of 'Human Interference in the Environment' on the very first day of its Annual Cultural Fest. It was open to all students and faculty members of the University. The Nukkad Natak took place at 1 p.m. in the library lawn and was attended by over 50-60 people. The theme of the Natak was. The artists depicted the daily harmful activities in the environment by the humans and how it affects humans in the end. The power packed performance was given by 19 members of Asmita Theatre. The performance connected to the audience and taught them the importance of protecting the environment for our safe future.

Then The Club organized a policy-making competition named ‘Sapien’s Manifesto’. Teams from various colleges across the University participated and presented their unrivalled and unique ideas and policies. The judges who provided their assistance and valuable judgements were: Mrs. Nitu, specialist in the field of allergy and immunology, Dr. Varunendra Singh Rawat, admirable faculty at Zoology Department, Hindu College and Dr. Vandana, esteemed Professor of History at Kirori Mal College. There were total two rounds of the competition in which 1<sup>st</sup> position was bagged by Team Political Vixens, 2<sup>nd</sup> by Team Prakriti and 3<sup>rd</sup> by Team Samudra. Thereafter, a Treasure Hunt ‘FOLLOW THE WINGS 2.0’ was organized on 5th April 2023. The winning team was Celestial Hunters, the second position was bagged by Grave Diggers and the third position was grabbed by Team Sherlock. The winning teams were felicitated with trophies and cash prizes.

The Club with the support of students and teachers launched two projects. One of them was the Paw Scouts Project – an initiative for dogs’ wellbeing. It was followed by a speaker session titled ‘Ensuring Animal Welfare’, graced by the benign presence of Mrs Vasanthi Kumar, human education advocate, co-founder of STRAW India, an ex-board member of FIAPO. During the event, she spoke about the strategies for the betterment of the stray dogs. She eventually introduced phrases such as pet-friendly campus and nightwalk supervision. Her long time efforts towards the animals could be sensed in the points that she presented.

On 6<sup>th</sup> April 2023, The Club launched the ‘Rethink Plastic’, glorified in the presence of Mr. Sagar Singh and Mr. Verhaen Khanna, who are environmental activists. They left no stone unturned to sow the seed of consciousness among the audience regarding environmental problems. This project aims to make the campus plastic free by collecting plastics from the campus and then sell it to scrap dealers so that it gets recycled and accordingly reused. But Bhoomi sapiens emphasized mainly on the aspect of REFUSE. On the same day, The Club organised a quiz competition on the theme of ‘Environmental Awareness’, audience of which seemed to have high team spirit and there was a cutthroat competition between the teams. Altogether it was an event full of fun, learning, curiosity, and happiness. The winners were – 1<sup>st</sup> by Political Vixens, 2<sup>nd</sup> by Econ and 3<sup>rd</sup> by Krantikaari.

On 6<sup>th</sup> April 2023, The Club conducted cultural events with professional artists to entertain the audience with their spectacular performances. From groovy dance moves to melodious voices along with humorous stand-up comedy, the evening was filled with a large dose of entertainment. The event witnessed an overwhelming audience to enjoy the magical evening which added to the zealous spark of the night. The participants of the event were awarded with certificates.

## ENACTUS KMC- The Entrepreneur Wing

**Convener: Dr. Pratibha Madan**

Enactus Kirori Mal College has once again proved its mettle by growing leaps and bounds in the academic session of 2022-23. The Society aimed at achieving the twin objective of sustainable growth along with socio-economic upliftment of the underprivileged communities.

As a crowning accomplishment, Project JanBhoomi finished 5<sup>th</sup> in Vaayu B-Plan competition, hosted by Delhi Technological University out of more than 400 competing teams. Project Syahi placed third in the Business Plan competition, organized by Netaji Subhas University of Technology at Aspire'23, and Project Dor stood among the top 5 in yet another Business Plan competition called "Pitch Please", sponsored by International Management Institute. Owing to the impact the Society created, the projects planned by the Society received Letters of Recognition from Thakur Dharmendra Bhaw Singh Lodhi, MLA Jibera, Madhya Pradesh, and Mr. Saroj Rawat, Deputy Director at the Department of Social Welfare and Research Training, New Delhi, and Chief Auditor, New Delhi.

Embarking upon yet another milestone, Enactus Kirori Mal College stood as Second Runner Up in Enactus Arena '22, a competition organized by Enactus Satyawati College in association with Sulabh International. The Society feels very proud when Syahi's 77-second race to re-think plastic video was chosen as one of the top 20 entries globally for Enactus 77-second Films of Impact under Enactus World Cup '22. It was a great honour for the entire team to have the video screened at the Caribbean Cinemas Distrito in Puerto Rico. Our team's relentless hard work paid off as we finalised Terracotta Home Composters as the new product line under Project JanBhoomi. The Society also got featured in several radio channels, newspapers, and podcast stations such as Radio One India, IExist Podcast, Amar Ujala, and many more. The Society is thrilled to have achieved tremendous growth on social media as the combined reach of our projects' reels was over 75k+, especially on Instagram. The Society went through an exceptional phase of growth and achievements owing to relentless dedication and hard work of the its members, and it intends to continue with the same zeal and entrepreneurial vision in time to come.

## FIC- The Finance and Investment Cell

**Convener: Prof. Seema Joshi**

Established in 2016, the Finance and Investment Cell is a student-led initiative aimed at enhancing knowledge and expertise in finance and business, with the ultimate goal of transforming individuals into financial experts. Its mission is to provide a robust platform of opportunities that encourages creativity and fosters brilliance among the members. It aims at equipping each member with the tool necessary to succeed, including the ability to organize events, improve marketing skills, and develop leadership abilities. The members who join this Cell are generally found as curious minds seeking to expand their understanding of financial markets, and when they leave it, they are as confident individuals with a comprehensive knowledge of the financial world.

The Office Bearers of the Cell include Bhaawan Dhingreja (President), Bhavya Jain (Vice President), Rudransh Singhal (General Secretary), Aaryan Sahu (General Secretary) and Akshat Chopra (Treasurer).

### Visit to Securities and Exchange Board of India (SEBI)

The Programme Visit to SEBI was successfully conducted on 5<sup>th</sup> September 2022 by The Cell. The programme was attended by 40 members of The Cell accompanied by two conveners, Prof. Seema Joshi and Ms. Balbir Kaur. The session began with a brief introduction by Mr. Gyanendra Niraj, the Asst. General Manager of SEBI. The keynote speakers for the event were Mr. Anupam Samanta, Asst. General Manager of SEBI and Mr. Kunal Sonawane, Asst. General Manager of SEBI. Mr. Anupam Samanta initiated the session by discussing the Regulatory role of SEBI in the financial sector through an audio-visual presentation. It highlighted that the primary aim of SEBI was to empower Indian investors to invest with knowledge and information. He also gave insights as to how one should maintain a balance between risk and reward.

The session was carried forward by Mr. Kunal Sonawane, who briefed the audience about SEBI, its functioning and reforms, and shed light on the Indian Securities market, its players, and its participants through a PowerPoint presentation. Further, Mr. Anupam Samanta commented on the different types of markets, namely Equity, Debt, and Mutual Funds, and narrated the electronic trading mechanism in the modern secondary market. To address the grievances of the aggrieved party, SEBI has come up with its redressal mechanism called SCORES (SEBI Complaints Redressal System). There was an interactive session with the students wherein they were enlightened on how to invest from scratch with the right financial knowledge. It was followed by a question-and-answer session. In the end, a vote of thanks was extended to the speakers by Mr. Bhaawan Dhingreja, President of The CELL.

### ADHIMULYA'22

The event comprised three competitions: one speaker session out of which two competitions '*Curse de Crusoe*' and '*Chaotic Psychotics*' took place on 30<sup>th</sup> September 2022. On 30<sup>th</sup> September itself, the Fest started with the event '*Curse de Crusoe*'. The theme of this event was based on the movie, Pirates of the Caribbean. The initial rounds took place in the Seminar Room, followed by the board game on the Canteen lawn. The first day of the Fest ended with the final round of '*Chaotic Psychotic*' on a good note. The Fest started on 1st October 2022 with a speaker session by honorable Mr. Pramod Kumar (IRS), Additional Director General of Vigilance, CBIC, Ministry of Finance, and the 'Recipient of Presidential Certificate for Meritorious Service'. The session was attended by more than 100 students. It was very interactive, and students participated enthusiastically. It came to an end with an interactive question-answer session, followed by the event namely '*Cincinnati- the Sin City*', which was based on the famous virtual game "Grand Theft Auto" theme. The event's first round "Phoenix Awakens" took place in the Seminar hall, while the other two rounds "Shoot at Sight" and "Raid-O-Grenades" were conducted on the canteen lawn. Winners for all the three events were announced by the President of the Cell, Mr. Bhaawan Dhingreja, followed by the concluding speech for the Fest and an extended vote of thanks to the participants for their enthusiastic participation.

### TECHBATTLE

To familiarize all new recruits with some basic requirement of knowledge about tech-tools to help them further in college, the technical department of the FIC organized an intra-cell tech

battle with round the first round on 16<sup>th</sup> December 2022 and the second round on 24<sup>th</sup> December 2022. All the new recruits were divided randomly into groups and were required to submit a poster on any one of the given topics chosen by them. The teams that made the best posters were moved to the second round of battle and in the second round, a twist element was introduced to make the battle even more interesting. The tech-battle ended with the announcement of results by Tech heads. Overall, it fostered unity and helped the cell introduce tech elements to the new members.

### **EXCEL BOOTCAMP**

The Cell successfully organized an Excel Bootcamp to develop meaning up-skill and improve the technical proficiency of the students. This was a three session camp open to students from all colleges and all courses. The Bootcamp was free of any cost, and the attendees were also given e-certificates for the same. The Cell only accepted 120 registrations on 'first come, first serve' basis, and to our surprise, within 20 minutes, all the seats were occupied. The sessions were conducted every Sunday from 5<sup>th</sup> February onwards on the Zoom platform. The sessions were taken by Mr. Ayush Gupta, Ex-Kirorian and an analyst at Walker Chandiook and CO LLP (Grant Thornton). He creates contents on MS Excel with 2000+ followers on LinkedIn. Mr. Gupta had previously taken two excel expert sessions in ICAI Jalandhar and FIC of our College, and also won the best paper presentation award at CA Student Mega-Conference, Ghaziabad.

### **THURSDAY TRIVIA**

The Cell also started an informative series on its social media namely "Thursday Trivia", where we inculcate financial knowledge among the masses. This covered a subhead – 'Rise in Crisis' in which various types of crises which had happened in the world throughout time, ranging from the Great Depression to the 2008 financial crisis to the COVID-19 crisis were all discussed. Posts under this series were – The Wall Street Crash of 1929, The Oil Hassle between America and the Arab countries in 1973, Dot Com Bubble Burst of 2000, Global Financial Crisis of 2008, COVID - 19 Crisis.

### **PODCAST**

The Cell came up with its very own podcast for the first time. The first series of the podcast comprises two episodes – 'Cursed gold and the Swiss conspiracy' and 'False ad campaign or a worthy lawsuit', released on 27<sup>th</sup> March 2023. It is available on FIC's Instagram handle, Spotify, and YouTube channel. Podcast's episode theme revolves around some of the unknown topics and mysteries in the market which have covered in a friendly conversational style. The podcast is shot in such a way that provokes intriguing questions among audiences as well on the same side to keep them informed about the topic as well.

### **INVESTREET**

The second edition of INVESTREET, FIC has all that one needs to know about WEB 3.0, the history of banking, the best pitches of Shark Tank, and a lot more. It enlightens the subscribers on a diverse range of topics related to happenings in the financial and corporate world. The researchers of The Cell have collected bits of data from various sources and presented them with insights on different topics in the most lucid manner. This edition not only expands the

knowledge of the readers but also astonishes them with the facts they have never been known!

### SESSION ON UPSC CSE

(Unacademy in association with the College)

The guest speakers were in this session were Professor Sunil Singh Abhivyakti and Mr. Aman Sharma. Bhaawan Dhingreja, President of FIC KMC, addressed the crowd to kick start the session. A short 15-minute quiz was also organized. The winners will be awarded scholarships benefitting the UPSC CSE preparation. Prof. Abhivyakti addressed the crowd with his motivating words. He focused on the strategy required to effectively start UPSC CSE preparation from college itself. He also emphasized the importance of selecting optional subjects in college itself. Mr. Aman Sharma addressed the audience on the topic ‘What do you need to crack UPSC CSE?’ He focused on the need for analytical ability, continuity, and discipline on how to crack UPSC CSE. He emphasized on the concept of mirroring yourself during preparation. Guidance and information about the UPSC CSE preparation courses at Unacademy were also provided. In the end, a deep gratitude was expressed towards the speakers and the audience.

## KARTAVYA- The Civil Services Society

**Convener: Dr. Vikram Kumar Chaudhary**

With high hopes and aspirations, Kartavya: The Civil Services Society celebrated its five years of establishment. The year 2022-2023 was marked by esteemed presence of great personalities and intellectuals with fruitful discussions, amazing competitions and enthralling learning experiences. A heart filled with aspiration is what the Society knew since its very existence and that’s what gives everyone the ambition of marching forward till excellence is achieved in all the endeavors.

The Kartavya ensured a hassle-free flow of mind-blowing events with assiduous toil by the members but in jovial ways. Resuming the offline journey after two long years of online mode after Covid-19 pandemic, it was difficult but everyone made a pace to keep the ball rolling successfully. The path was tough but the resolution was stubborn and hence, here we are with the trail of the conquest of members of the Civil Services Society.

An interesting session was organized on 8<sup>th</sup> July 2022, which made everyone extremely ecstatic. An enriching session with the venerable UPSC CSE 2020 Toppers – Mr. Utkarsh Dwivedi (AIR 5) and Ms. Diksha Joshi (AIR 19) was conducted. The event through in virtual mode on the Zoom platform proved to be very fruitful and worth attending for the budding aspirants. The vision and mission of providing a platform of collaborative learning, the Society successfully conducted “Abhyaas: The GS quiz” on 6<sup>th</sup> September 2022 for the undergraduates. There were more than 50 participants who showcased their brilliance by rapidly answering the questions. There was another event on 29<sup>th</sup> September 2023, which unmistakably manifested for the importance of empowered youth. This event was marked by the courteous presence of Mrs. Sonal Goel, IAS (2008 Batch). She is currently serving as the Resident Commissioner at Tripura Bhawan. The session helped the aspirants find a way to analyze one’s actions can help

in devising strategies to climb the ladder of success.

With the heads held high and mind without fear, Kartavya: the Civil Services Society in collaboration with NCC-KMC added one more feather to its crown by successfully organizing another eminent event - Tejas: The Defence Talks 20<sup>th</sup> October & 21<sup>st</sup> October 2022.

Day 1 was graced by the presence benign presence of Air Marshal Anil Chopra PVSM, AVSM, VM, VSM (Retd.) An august speaker session was conducted on the topic – Indo-Pacific: the Great Power Rivalry. A Panel Discussion on a dynamic topic ‘Changing Dynamics of India’s National Security’ was organized. The event was graced by Lt. Gen. Sunil Shrivastava, AVSM, VSM (Retd.), Maj. Gen. Dr. Ashok Kumar, VSM (Retd.), Maj. Gen. Dr. Rajan Kochhar, VS (Retd.) To make the Defense Talks more inclusive, an amazing quiz competition was organized. The quiz revolved around the Defense related topics and witnessed the participation of more than 20 students.

The Kartavya organized a speaker session on 9<sup>th</sup> January 2023. The event was graced by the benign presence of Mrs. Jyoti Meena, IRS 2014 Batch, followed by much-awaited Orientation Programme on 9<sup>th</sup> January 2023. The event was a grand success with over 372 online registrations. Fourth edition of MAUSAM: The Climate Talks then was organized. The agenda of this event was a Panel Discussion on the topic, ‘Reshaping Climate Diplomacy in the Era of Uncertainty’. It was marked by the graceful presence of the guest speakers Dr. R.K. Jenamani (Head at RSMC & Scientist at India Meteorological Department), Prof. P. K. Joshi (Chairperson at Special Centre for Disaster Research) and Prof. Kaushal Kumar Sharma (Professor at the Centre for the Study of Regional Development, JNU, Delhi).

With a strong intent to aid the aspirants of civil services exams, the Society organized a propitious interactive session for the students of the College on the Union Budget 2023-24. The session was marked by the presence of Prof. Siddarth Rathore, Assistant Professor, Gargi College. The Society came up with an enriching quiz competition that helped the participants to grasp knowledge over the Budget. The quiz was attended by more than 50 students. The quiz revolved around the Union Budget which was presented in the Parliament. In collaboration with Ensure IAS, Kartavya organize an enthralling session with Mr. Sachin Jain (IRS 2016 Batch). The session discovered the nitty gritty of the UPSC CSE. It was an interactive session marked by the presence of more than 150 students.

The Society marshaled its rapturous annual session with the ecstatic touch of adept pundits. Months & hours of relentless brainstorming sessions, structuring and re-structuring of modus operandi, hours of toil and perspiration, insomniac nights, and off-line and on-line rendezvous, all lined up in succession, was what culminated in the resounding success that was JUNOON 5.0 – The Annual Fest of The Kartavya.

DAY – 1

Event 1: Abhigyan –The Prelims Mock: The mock of Prelims exam of UPSC CSE was conducted which was marked by the presence of more than 80 students.

Event 2: Avlokan – The Personality Development Session: The event with Mr. Vivek Atray (Former IAS) helped the participants in learning the meaning of personality development and added up the deep understanding of confidence in their aura.

Event 3: Yatharth – The Personality Development Session: Mr. Amod K. Kanth (Former DGP) and Mr. Virendra Gupta (Retd. IFS Officer) gave valuable insights on the intricacies of the life of the civil servants and shared many more important things related to their lives.

#### DAY – 2

Event 1: Mandukya – The Debate Competition: A debate competition was organized which witnessed some grilling rhetoric and logical reasoning by our young, budding debaters who coherently articulated their thoughts in English/ Hindi on the topic ‘Civil Disobedience in a democracy is morally justified’.

Event 2: Essay Writing Workshop: Mr. Shabbir A. Bashir, Educator and the CEO of Edukemy Taking cognizance of the fact that many of the UPSC aspirants find the essay writing segment of the paper a challenging task, the society organized an essay-writing workshop which was attended by more than 100 students.

Event 3: Abhivyakti – The Essay Writing Competition: The workshop was followed by an essay-writing competition which witnessed the enthusiastic participation of various students who were expected to write their views on the topic ‘India is not a land conquered but also a land of conqueror’ or ‘A ship in harbour is safe but this is not what it is for’.

Event 4: Jazba-e-Junoon (The Motivational Talk)

Dr. Tanu Jain (Assistant Director at Ministry of Defence)

Dr. Vijender Singh Chauhan (Asst. Professor of Hindi at Zakir Hussain Delhi College)

The two mega sessions unfolded the guidance from two major source of inspirations.

The prize distribution thus culminated our two-day mega-events.

#### INTERNAL SESSIONS

The Kartavya is a wholesome society that assists and guides over 1000 Civil Services aspirants of the College. The bourgeoning of Society is not only due to several guest events but also the group discussions and interactive classroom sessions on the issues of immense significance. The Society takes great pride in the fact that this novel idea of Society is rewarded by the great participation of students in the sessions. The sessions conducted are as follows: 15 September 2022 - Election Freebies: A Catalyst or Hurdle for the Economy; 12 October 2022 - World War 1: Decoding an Untold Stories; 09 November 2022 - Geo-Politics of Climate Change COP 27  
ICWA VISITS

The Kartavya received an amazing opportunity to attend the events organized by Indian Council of World Affairs, Sapru House under Ministry of External Affairs. The members affiliated with The Kartavya attended the amazing sessions by esteemed bureaucrats, academicians, diplomats and members from foreign Embassies.

## ACHIEVEMENTS

1. The Hindu in collaboration with GS score organized the Competition “Campus to Collectorate”. Team of Kartavya participated in the same.
2. A quiz competition was organized under the “Campus to Collectorate” and one of the members of The Kartavya Neeraj Nandan bagged the 2<sup>nd</sup> Position in it.
3. Dadhichi: The Competitive Society of Rajdhani College organized a quiz competition on Sadbhavna Diwas. One of the members of The Kartavya Kamal Chandra Joshi bagged the 3<sup>rd</sup> Position.

OFFICE BEARERS of the Society are – President: Deepali Kumari, Vice-President: Kamal Chandra Joshi; General Secretary: Neeraj Nandan; Joint Secretary: Tanishka Parihar; and Coordinator: Aamna Khan.

## NCC- The National Cadet Corps

**Conveners: Dr. Raksha Sharma & Dr. Panmei Gaijohn**

From attending camps in maximum strength and organizing its Annual Fest, NCC (KMC) has set new milestones. This year has again added golden features to the cap and opened new opportunities and domains for us to show our enormous hard work and give results at par excellence through various camps and achievements.

### National Level Achievements:

1. **All India Thal Sainik Camp (TSC- 2022):** Four NCC cadets (Lcpl Ajay Kumar, Cdt Anil Chaudhary, Cdt Aman, Cdt Jatin) were selected for the prestigious National level camp TSC-2022 held from 14<sup>th</sup> September to 25<sup>th</sup> September 2022 at DG NCC HQ Delhi Cantt, Cariappa parade ground. This camp is considered as the hardest camp of all the NCC camps. In addition, the selected cadets were awarded medals and certificates for the following achievements during the camp: Lcpl Ajay Kumar was awarded three medals; one each for Map reading, Health & Hygiene and Quiz; Cdt Anil Chaudhary and Cdt Jatin got award for Map reading; Cdt Aman secured Obstacle training medal.
2. **Prime Minister’s Rally Camp (PM Rally-2022):** Seven cadets (Sgt Hoinunnem Khongsai, Cpl Harsh Nimesh, Cdt Pooja, Cdt Kalpana, Cdt Ritika, Cdt Rinki, Cdt Usha) were selected for PM Rally camp held from 28<sup>th</sup> December 2022 to 28<sup>th</sup> January 2023 at Cariappa Parade ground and NCC Bhawan, Rohini.
3. **Ek Bharat Shreshth Bharat (EBSB):**
  - I. **EBSB - (IDC) Independence Day Camp 2022:** The cadets from states all over India participated in this camp showcasing cultures and traditions on this auspicious 75<sup>th</sup> Azadi ka Amrit Mahotsav, the 76<sup>th</sup> Independence Day of our country. Three cadets from the College (Sgt Hoinunnem Khongsai for Manipur presentation and Master of Ceremony, Cpl Harsh Nimesh as Head of singing team, Cdt Harsh as a representative of Delhi Directorate in cultural attire of Delhi) got selected for EBSB- IDC held from 31<sup>st</sup> July to 26<sup>th</sup> August 2022 at

Red Fort.

- II. **EBSB - NCC Bhawan, Rohini Delhi:** Four cadets from KMC (JUO Mishthi, Lcpl Chirag, Cdt Deepak, Cdt Sumit) got selected for EBSB held from 3<sup>rd</sup> October to 12<sup>th</sup> October 2022 at NCC Bhawan.
  - III. **EBSB - Nagrota Jammu:** Three cadets from the College (JUO Vivek Vats, Cdt Navneet, Cdt Rishika Tiwari) got selected for EBSB held from 10<sup>th</sup> October to 20<sup>th</sup> October 2022 at Jammu Nagrota.
4. **Scuba Diving Camp 2022:** Seven Cadets from KMC (JUO Sahil Dalal, JUO Anshu Malik, JUO Vivek Vats, Csm Shivani Shukla, Cpl Sakshi Chaudhary, Cdt Deepak, Cdt Tanisha Singh) got selected for Scuba diving camp held from 27<sup>th</sup> September to 30<sup>th</sup> September 2022 at Varunika stadium, New Delhi.
  5. **Army Attachment Camp (AAC):** Twelve cadets (JUO Sahil Dalal as Company Senior at AAC, JUO Avikesh Chhillar, JUO Anshu Malik, FJUO Manish Kumar, CQMS Rohan Rana, SGT Kanishk Dagar, CPL Gajendra Saini, CPL Madhav Yadav, CPL Abhishek Chaudhary, Cdt Harish Yadav, Cdt Tharun, Cdt Pritesh Jangid) were selected for AAC-2022 held from 3<sup>rd</sup> October to 14<sup>th</sup> October at 7 JAT regiment, Delhi Cantt.
  6. **All India UP Trekking Expedition:** Three cadets (Sgt Harshul Saharan, Cpl Vivek Kumar Meena, Cdt Naresh Beniwal) were selected for UP trek held at Shravasti, UP from 07<sup>th</sup> November 2022 to 14<sup>th</sup> November 2022 organized by 51 UP Bn, UP DTE. They completed 94 kilometers of trekking on five different routes over eight days.
  7. **Advance Leadership Camp (ALC):** Two cadets (Lcpl Shruti Singh, Lcpl Kamal Chandra Joshi) were selected for ALC, that was held from 14<sup>th</sup> December to 23<sup>rd</sup> December 2022 at Agra, UP:

#### Delhi Directorate Camps:

1. **Combined Annual Training camp (CATC-2022):** It was conducted by 5DBN at HQ DGNCC Camp at Cariappa Parade Ground, Delhi Cantt. during 22<sup>nd</sup> June to 1<sup>st</sup> July 2022 having a strength of around 455 Cadets (from 6 colleges and 8 Schools). The achievements of the KMC NCC in CATC-2022 were:
  - a) Company Senior - JUO Avikesh Chhillar
  - b) Central guard 2IC - JUO Sahil Dalal
  - c) Line Area Competition - First Prize
  - d) Tug of War Competition - Second Prize
  - e) Cultural Competition - 6 Gold medals (Cdt Sumit, Cdt Abhimanyu, Cdt Kanishk Dagar, Cdt Pritesh, Cdt Piyush Chaudhary, Cdt Yash)
2. **Combined Annual Training camp (CATC-2022):** It was conducted by 1DGBN at NCC Bhawan, Rohini during 7<sup>th</sup> June to 16<sup>th</sup> June 2022 in its first phase and 17<sup>th</sup> November to 24<sup>th</sup> November 2022 in the second having a strength of around 550 Cadets (from 5 colleges and 10 Schools). The achievements of the KMC NCC in CATC-2022 were:
  - a) Camp Senior - SUO Ruchita and JUO Shataksh

- b) Guard - 1<sup>st</sup> Prize
- c) Squad Drill competition - 1<sup>st</sup> Prize
- d) Volley ball competition - 2<sup>nd</sup> Prize
- e) Extempore competition - 1<sup>st</sup> Prize by Cdt Rohini Shukla
- f) Poster making competition - 1<sup>st</sup> Prize by Cpl Srishti Rathore and cdt Ashita
- g) Special Felicitation of medals for technical support (JUO Nandana, Cpl Sakshi Chaudhary, Cdt Rupal Walia, Cdt Rohini Shukla)

#### **NCC Activities:**

1. **Van Mahotsav** – The mahotsav was celebrated on 13<sup>th</sup> June 2022 by planting 200 saplings in the college premises.
2. **Kargil Diwas** – The day was celebrated on 26<sup>th</sup> July 2022 marked by inter-college competitions, poem writing, poster making and article writing.
3. **Horrors of Partition Exhibition** – Two days exhibition was organized by the KMC NCC cadet on 14<sup>th</sup> & 15<sup>th</sup> August 2022.
4. **Tiranga Yatra and Flag Hoisting** – It was conducted on 15<sup>th</sup> August 2022 in which NCC cadets, College teaching and non-teaching staff participated.
5. **Puneet Sagar Abhiyan** – The KMC NCC cadets participated in the 5 day activities, conducted by 1 DGBN to show the importance of clean seashores and riverbanks. The cadets tweeted to promote this awareness on social media.
6. **Interactive session** – A talk by Major General Yash Mor was delivered on 24<sup>th</sup> September 2022 during an interactive session in collaboration with NSS.
7. **Narkanda Trek** – The KMC NCC had organized two day trek for 65 cadets to Narkanda, HP.
8. **The College Founder's Day** – On the occasion of 69<sup>th</sup> Founder's day of the College, the guard of honour was performed by NCC cadets.
9. **The KMC NCC Fest - CADET 2023** – Three day Annual Fest was organized on 9<sup>th</sup>, 10<sup>th</sup> & 11<sup>th</sup> February 2023, in which around 500 cadets from all India participated in various competitions.
10. **Sanitary Napkin Distribution Drive** – On 13<sup>th</sup> February 2023, the Women's day, sanitary pads were distributed in Chandrawal slum area.

#### **Inter-College Competitions:**

1. JUO Sahil Dalal participated and secured 2<sup>nd</sup> position in a Slogan Writing Competition at Shyama Prasad Mukherjee College.
2. JUO Sahil Dalal and CQMS Rohan Rana participated and secured 1<sup>st</sup> position in Squad

Drill at Army Attachment Camp. JUO Sahil Dalal also participated and stood first in Quater Guard at Army Attachment Camp 2022.

3. JUO Vivek Vats participated and secured 1<sup>st</sup> position in an Essay Writing Competition at EBSB (EK BHARAT SHRESTHA BHARAT) Camp at Nagrota.
4. CPL Madhav Yadav secured 1<sup>st</sup> position in a Quiz Competition at the College itself.
5. CPL Madhav secured 2<sup>nd</sup> position in the Quiz Competition at Shivaji College.
6. LCPL Ajay Tanwar has a long series of achievements in the field of quizzes. He secured 4<sup>th</sup> position at Shivaji College, 2<sup>nd</sup> position in the first round at Hansraj College, 1<sup>st</sup> position at Hindu College and 2<sup>nd</sup> position organized by Kartvaya Society of the College in Quiz Competitions, 2<sup>nd</sup> position in Tejas Defence Quiz at the College itself, and 2<sup>nd</sup> position in Quiz among 17 directorates of India.
7. LCPL Kamal Chandra Joshi secured 3<sup>rd</sup> position in the Slogan Writing Competition at Jesus and Mary College.
8. CDT Shiv Pal has achieved 2<sup>nd</sup> position at Zakir Hussain College, 3<sup>rd</sup> position at Hindu College and 3<sup>rd</sup> position at Shyama Prasad Mukherjee College in Quiz Competitions.
9. With the combined efforts of the team, the Khukhri team of Cultural Dance stood 1<sup>st</sup> position at Atma Ram Sanatan Dharma College.
10. At the Annual Training Camp-2022, the KMC Cadets secured 1<sup>st</sup> position in the Line Layout Competition and 2<sup>nd</sup> position in the Tug of War Competition.
11. JUO Shatakshi Bhatt, JUO Himanshi Suyal, CSM Shivani Shukla, LCPL Kiran, CQMS Tannu, CPL Aklanshu, CDT Meenal, CPL Sapna Rani, SGT Gayatri, and LCPL Ravi secured 1<sup>st</sup> position in Quarter Guard Competition at Combined Annual Training Camp.
12. Sgt Manya Jayant won the Best Cadet Competition in Kalindi College's Annual Fest Udaan.
13. Cdt Rupal Walia and Sgt Manya Jayant got appreciation certificate for their participation in Sansad Ratna Award 2023. Cdt Ashita secured 2<sup>nd</sup> position in NCC Slogan Writing on World TB Day 2023.
14. JUO Shatakshi Bhatt with SW's secured 2<sup>nd</sup> position in Volleyball Competition at Combined Annual Training Camp.
15. JUO Mishthi Chauhan has secured 2<sup>nd</sup> position in Extempore at Ek Bharat Shreshtha Bharat Camp (EBSB).
16. Second year SW's secured 2<sup>nd</sup> position in Squad Drill Competition at Combined Annual

Training Camp.

17. CDT Rohini Shukla secured 1<sup>st</sup> position in Extempore in Combined Annual Training Camp.
18. Senior Division Second year secured 2<sup>nd</sup> position in Squad Drill Competition in BRAC Annual NCC fest Lakshay.
19. Cpl Pooja Sharma won CWS Best Cadet Competition organized by Group 'B' of Delhi Directorate.
20. CDT Deepshikha has participated in 22<sup>nd</sup> Delhi State Karate Championship 2022 and All India Karate National Championship 2022.
21. Second Year SD has secured 1<sup>st</sup> position in Squad Drill Competition and 2<sup>nd</sup> position in Tug of War Competition in SGTB Khalsa College Annual Fest FATEH.
22. Second Year SW has secured 2<sup>nd</sup> position in Tug of War Competition in SGTB Khalsa College Annual Fest FATEH.
23. Sgt Raj Karayat has secured 2<sup>nd</sup> position in Best Cadet Competition in SGTB Khalsa College Annual Fest FATEH.
24. Cdt Vidit and Cdt Surya Pratap have secured 2<sup>nd</sup> position in Debate Competition in SGTB Khalsa College Annual Fest FATEH.
25. JUO Sahil Dalal has secured 1<sup>st</sup> position of CWS Best Cadet in Delhi Dte 'B' Group.

## N-ESC- The North-East Students' Cell

**Convener: Dr. Mujeeb Ahmad Khan**

The N-ESC was constituted in 19<sup>th</sup> October 2015 by the Staff Council. The Cell since then has been primarily involved with the promotion and welfare of Indian North Eastern students studying at KMC through various educational & cultural programmes. The members of The Cell are – Prof. Seema Joshi, Dr. M. Ramanand Singh, Dr. Palas Jyoti Das, Dr. Paumei Gaijon, Dr. Pankaj Sharma. Office Bearers of The Cell are – President: Joshua N. Thuammuangsang, Vice-President: Sainbar Daulaguphu, General Secretary: Babita Basumatary, Secretary: Sademwapang Walling, Secretary: Rajashree Pathak, Secretary (Finance): Pratham Gurung, Secretary (Cultural): Nemneilam Joyce Touthang, Joint Secretary (Cultural): Khoda Dolo, Secretary (Men's Sport): Karma C. Lepcha, Secretary (Women's Sports): Stanzin Edon, Media Co-ordinator: Atribh Deka, Head of Public Relations: Chinnejou Singsit, Content Head: Chau Jasawein Namchoom, Executives: Chogi Dama Lama and Ayush Gowala, Ex-Officio: Mughakivi Awomi, Fayas Ahmad, Mrityunjy Bora, Malati Subba, and Ngamsum Diyum.

As for the current session is concerned, it has been a fruitful one for the N-ESC. Given below is the 2022-23 N-ESC Executive Team and the events that have been held thus far during the tenure: Elections were conducted 15<sup>th</sup> November 2022 for the appointment of the second and third year student executive members of the N-ESC Team for the 2022-23 session by the N-ESC Staff Council, moderated by its Convener. Elections were only conducted for the General Secretary, Secretary, and Cultural Secretary posts as the other positions were elected unopposed. The first N-ESC event in the post-pandemic era was organized on 17<sup>th</sup> October 2022 in the form of an educational seminar titled ‘The Academic and Economic Challenges of the Northeast and the Journey of a UPSC Aspirant’ in which esteemed guest speaker IRS officer Bipasha Kalita was invited. Mr. Kalita provided her valuable insights, and inspiring aspiring future Civil Service officers.

The Freshers' Orientation was held on 26<sup>th</sup> November 2022 in the Academic Auditorium to welcome and introduce the new students into the college and to the N-ESC through an interactive session in which students were given an opportunity to showcase their talents and familiarise themselves with their seniors & Professors. Thereafter, elections were conducted on 11<sup>th</sup> January 2023 via online platform for the appointment of the first year student executive members, by the Executive Team. Candidates were nominated and elected in a democratic manner through which the Joint Cultural Secretary and two Executives were appointed.

In collaboration with Montage: The Film Society of the College, the N-ESC organized on 2<sup>nd</sup> February 2023 a screening of the movie ‘Village Rockstars’ directed by Rima Das. The subsequent programme was packed with a lively discussion pertaining to the affairs of rural Assam along with fun interactive games that engrossed the audience. The Cell also organized on 20<sup>th</sup> February 2023 the inaugural edition of its Annual Food Fest ‘Culina’, which attracted a crowd of over 500 students from all over the University. The event was inaugurated by the Principal. The Fest consisted of stalls which packed an array of lip-smacking delicacies from the North-East region of India and provided a fresh new perspective to students curious about the delicacies of the region.

The Annual Cultural fest of the N-ESC 8thnicia was held on 11<sup>th</sup> & 12<sup>th</sup> April 2023. The first day consisted of an educational programme with a Speaker Session in which guest speakers were invited and a Paper Presentation Competition titled: ‘Unearthing the Unheard Histories of Northeast India: A Call for Academic and Social Reforms’ was held. The second day was the day of the Cultural Extravaganza, showcasing many different songs and dances of the North-East region of the country, food stalls, booths, and traditional attires of the region.

## **NSS- The National Service Scheme**

**Convener: Dr. Ram Sunil Kumar Lalji**

Since the program’s inception by the Ministry of Youth Affairs and Sports (MYAS) in 1969, the NSS-KMC (National Service Scheme-Kirori Mal College) Unit has been operating through the University of Delhi under MYAS, Government of India. The volunteers of NSS- KMC unit work with the motto: ‘Not Me But You’. This embodies the essence of democratic

living, and emphasises the importance of selfless service. Every volunteer strives to give back to society. The strength of NSS-KMC can be found in its tagline “Sahas Se Sahyog Karein”, which means to have courage and to empower others to extend helping hands. With this goal in mind, all volunteers participate in all the activities in order to become more focused, accountable, develop leadership, and make a valuable contribution to the community. The social work unit operates with two broad projects: SAHYOG-Sharing Smiles “EACH ONE TEACH ONE PROGRAMME” and SAHAS-Empowering Women. Under SAHYOG, the Unit aims at the holistic development of the underprivileged children of the adjacent Chandrawal area. The children are not only given the academic knowledge but also the basic knowledge required for them to move forward in the society. Volunteers offer classes to the students regularly from Monday to Saturday from 3:00 pm to 5:00 pm.

All NSS events for the academic year 2022-23 are designed to inspire the students to become socially responsible citizens. The activities and programmes are designed to identify campus and community needs and problems. A detailed report of various activities carried out by the units is given below:

On the occasion of INTERNATIONAL YOGA DAY on 21<sup>st</sup> June 2022, all the volunteers of NSS-KMC, along with their friends and classmates, actively participated in the Two-Day Yoga Session in the College premises from 8:30 to 10:30 to make it a great success. The Sessions on both the days included various yogaasanas and concluded with a 30 minutes meditation session. The University itself organized a Yoga week from 21<sup>st</sup> June 2022 to 27<sup>th</sup> June 2022. A Yoga Camp-cum-Lecture was also organized on 22<sup>nd</sup> June 2022 as a part of it. Yoga-rishi Baba Ramdev was invited as the Chief Guest to grace this grand event. Additionally invited as the guest of honour was Shri Arjun Ram Meghwal, Minister of State for Parliamentary Affairs and Culture (Govt. of India). Around 1,500 people including teachers, students and research scholars gathered to perform Yoga in the University Stadium. The entire ceremony was chaired by Prof. Yogesh Singh, Vice-Chancellor of the University. Five NSS-KMC volunteers got a chance to participate in the event and gained some new insights. On this Centenary celebration, NSS-KMC cheers to the future achievements and past glories of the University.

On the occasion of VAN MAHOTSAV, a tree plantation drive was organized by the NSS Unit of Centre of Excellence of the College at Ashoka lawn on 11<sup>th</sup> July 2022. In this drive, more than 20 volunteers participated and they planted more than 100 saplings. The drive was conducted under the guidance of the former Principal Prof. Vibha Singh Chauhan and the NSS programme officer Dr. Ram Sunil Kumar Lalji. The Unit planted 50 saplings, each of marigold and Chrysanthemum.

On the occasion of INTERNATIONAL LITERACY WEEK from 8<sup>th</sup> July 2022 to 14<sup>th</sup> July 2022, the Unit started an endeavour to further the literacy agenda and build a more literate and sustainable society. All the volunteers of NSS- Sahyog KMC, along with all the students actively participated in the interactive Session, where the Unit discussed the value and necessity of education in everyday life as well as various government initiatives pertaining to it.

The NATIONAL INTEGRATION YOUTH CAMP was organized in Poonch, Jammu & Kashmir (UT) by National Youth Project. Four Volunteers, namely Ujjwal, Kunal Gulati, Shrishti and Riya Rawat represented the Unit by actively participating in various cultural activities including Bharat Ki Santaan (A cultural performance depicting Unity in Diversity of the nation). All the 4 volunteers of the College unit represented the College in a profound way. All the organisers and the coordinators appreciated them and presented a plan for the College Unit towards the vision to develop the nation in the upcoming years.

On 4<sup>th</sup> August 2022, the Unit also collaborated with ROTARY CLUB Of Midtown Delhi to organise a free DENTAL CHECK-UP AND AWARENESS in the College premises from 10:30 am to 3:30 pm. The team of dentists along with para-medical staff carried out a comprehensive dental check-up on students of the College and volunteers of the Unit. The Camp included dental awareness talk, educating students about common dental ailments, especially stressing on tooth decay and gum diseases, and the measures used to prevent them. The students cherished the chance to interact with the dentists to enquire and gain knowledge about their oral health and maintaining good oral hygiene.

THE TIRANGA YATRA was organised in the North Campus of the University from 8:00 am onwards as part of the 'Har Ghar Tiranga' campaign to commemorate 75 years of our country's independence. Led by the University Vice-Chancellor Prof. Yogesh Singh, the rally saw zealous participation from students and teachers as they carried Indian flags and raised slogans. The rally started from the Gandhi statue at gate number 1 of the University. Dean Students' Welfare Professor Pankaj Arora, one of the organisers of this rally, stated that the objective of the 'Tiranga Yatra' is to create a sense of patriotism, national pride and belongingness. Five NSS-KMC volunteers enthusiastically took part in this act of patriotism as well.

On 15<sup>th</sup> August 2022, the 76<sup>th</sup> Independence Day was celebrated. An event started at 10:00 am which included the making and distribution of Indian flags among students, which were made by the Unit's volunteers and other students. The national flag was hoisted by Prof. Vibha Singh Chauhan, former Principal of the College at Ashoka lawn, followed by the refreshment to all the students and the volunteers.

On the auspicious occasion of the Teacher's Day on 5<sup>th</sup> September 2022, the Unit organised games for all the Chandrawal students, and highlighted the significance of Teacher's day and the value of education to them. The founder of SAHYOG Project Mr. Aditya visited and inspired both the volunteers and the students by sharing his experience.

On 14<sup>th</sup> September 2022, all the volunteers of NSS-Sahyog KMC along with students of Sahyog actively participated in the interactive session in which the College Unit's volunteers highlighted the significance of Hindi Diwas to the students and also held an essay writing competition to find out the students' opinions about Hindi since it's their native tongue.

To ignite the lamp of cleanliness and disseminate the light of godliness, the NSS Unit hosted a cleanliness drive in its adopted slum area of Chandrawal village on Monday, dated 19<sup>th</sup> September 2022 from 10:00 am to 12:00 pm. The main purpose of this programme was to create awareness among the students and villagers of New Chandrawal regarding Cleanliness and its benefits.

On 24<sup>th</sup> September 2022, the Unit celebrated its 53<sup>rd</sup> Founder's Day with great gusto and vigor. The celebration began in the morning with the interactive speaker session on "Nurturing Compassionate Souls among Youth" by the great personality Maj Gen Yash Mor, Sena Medal. The guest speaker was heartily welcomed by Dr. Ram Sunil Lalji, the Convenor of Unit. The speaker shared the ways on how to be compassionate and kind towards everyone. He also discussed the range of life skills that one must develop as they mature, and directed them in the direction of sensible career decisions. After the session, there was a melodious song performance by the students of Sahyog. The vote of thanks was given by Miss Shrishti Birhman, the Vice-President of the Unit and Dr. Ram Sunil Lalji presented a small token of appreciation to our valuable guests.

On the auspicious occasion of World Student's Day, on 15<sup>th</sup> October 2022, NSS-KMC celebrated this special day with our students by movie screening 'I am Kalam'. Students came to know about him deeply, and were motivated to achieve their dreams.

The Unit also organized an event on the occasion of "National Unity Day" to celebrate the birth anniversary of Sardar Vallabhai Patel. The session took place in the Academic Auditorium on 31<sup>st</sup> October 2022 at 10:00 am onwards. Through the event, the audience were made aware about the significance of National Unity Day, which was followed by Pledge taking Ceremony and Preamble reading by the President of the Unit, Mr. Ujjwal. The volunteers and the audience took the pledge to uphold the diversity and integrity of our nation. After the Preamble reading, the attendees were familiarized with Article 51A of the constitution i.e. Fundamental Duties of every citizen. The team took this forward by a speech competition on the topic "Sardar Patel's Vision of Corruption Free India". All of the Unit's volunteers applauded the exceptional speech competition performances in the NSS fashion clap. The programme concluded with the vote of thanks proposed by Ms. Shrishti Birhman, the Vice-President of the Unit.

On 1<sup>st</sup> November 2022, the Unit, under its programme Vigilance Awareness Week' 22, organised an interactive talk session on "Corruption Free India for a Developed Nation" by inviting Mr. Vinit Kumar (DANIPS), DCP, P&L, Delhi Police as a keynote speaker for the day. Event commenced with the Vigilance Oath and then the Speaker's discourse continued. The keynote speaker for the second day of the week was Mr. Nikhil Yadav, Prant Yuva Pramukh, Vivekananda Kendra of Uttar Prant. On 7<sup>th</sup> November 2022, the Unit organised a class to class awareness campaign where the Unit's volunteers went from class to class in various departments of the College to make the students aware about the significance of Vigilance Awareness Week.

On 14<sup>th</sup> November 2022, the Unit celebrated Children's Day to commemorate the birthday of our first Prime Minister of India, Pt. Jawaharlal Nehru by organising numerous activities including games for the enjoyment of children and to make the day a memorable one for them.

The Unit collaborated with The Lantern Tribe, to host a fundraiser. Each and every penny collected was used for providing a nutritious meal to the students of Chandrawal village taught under NSS's project "Sahyog: Sharing Smiles".

On 26<sup>th</sup> November 2022, the Unit celebrated Constitution's Day in order to commemorate the adoption of the Constitution of India. On this special day, 'An Oath taking ceremony' was organised, and discussion on some facts and significance of the Constitution of India with the students also took place.

The NAAC Peer Team visited the College on 19<sup>th</sup> & 20<sup>th</sup> December 2022. A Power Point presentation was made, enlisting all the past activities conducted/planned/organized by the Unit in the past 5 years, including 'Each One, Teach One Programme', 'Aashayein: Help Yourself Festival', 'The Women's Conclave', 'Umang: The Cultural cum Sports meet' along with arious cleanliness and plantation drives. The NAAC PEER team members showed keen interest and appreciated Unit's work and the cause for which it works. The Vice-President of the Unit, Ms. Shrishti gave its detailed overview, which depicted the various activities and highlights of the Unit.

On the occasion of the Birth Anniversary of the Youth Icon, Swami Vivekananda and to inculcate good values into the future of nation, the team of the Unit celebrated Yuvaah'23, The Annual Youth Week Event from 12<sup>th</sup> January to 19<sup>th</sup> January 2023. The Movie Screening-cum-Discussion session of Dear Zindagi was presented to the students on 12<sup>th</sup> January 2023. On 17<sup>th</sup> January 2023, the team visited the ASHIRWAAD OLD AGE HOME. With the elderly people, volunteers enjoyed meaningful conversation and games of "Guess the tune" and "Antakshari". On 19<sup>th</sup> January 2023, NSS organised a Speaker Session on the topic, 'Understanding Love Language: Strengthen bond with Others'. The eminent speaker for the session was Ms. Astha Nagpal, who is a Consultant Counsellor at the Wellness Centre of the College.

On 23<sup>rd</sup> January 2023, 17 volunteers of the Unit attended the Military Tattoo and Tribal Dance Show, organized by the Ministry of Tribal Affairs, in conjunction with the Ministry of Defence. The two-day festival showcased the prowess of the Armed Forces and the ethnic beauty of India's tribal culture. An hour of traditional dance performances (Khukhri Dance, Gatka, Mallakhamb, Kalaripaytu, Thangta) by tribal artists from across the country was held on the occasion. As part of the Republic Day Celebrations 2023 and to mark the 126<sup>th</sup> birth anniversary of Netaji Subhas Chandra Bose (celebrated as Parakram Diwas), a Military Tattoo & Tribal Dance Festival 'Aadi Shaurya - Parv Parakram Ka' was held at Jawaharlal Nehru stadium, New Delhi on 23<sup>rd</sup> & 24<sup>th</sup> January 2023. On 27<sup>th</sup> January 2023, to commemorate the auspicious occasion of Basant Panchami, NSS-KMC in collaboration with Delhi Odia Students (DOSA) organised 'Stationary Donation Drive' for the students.

On 4<sup>th</sup> February 202, the Unit organised a Speaker Session on the topic 'Cancer: How much we know and what should be known' on the occasion of World Cancer Day. The eminent speaker for the session was Dr. Atul Shrivastava, who is a Senior Oncologist at the Dharamshila Narayana Super Speciality Hospital and a perfect speaker of his domain. This was indeed an interactive session and the students got to know a lot about cancer and many other things related to it.

On 21<sup>st</sup> February 2023, the Unit celebrated International Mother Tongue Day with the volunteers and students of Sahyog and elucidated the importance of Mother tongue languages.

Volunteers of the Unit spoke some of the famous movie dialogues in their mother tongue and told us about the importance of mother tongue to celebrate International Mother Tongue Day.

### **WOMEN CONCLAVE 2023**

Kirori Mal Women Conclave is the Annual flagship event of NSS-KMC Unit under SAHAS-empowering women to make our contribution to the empowerment of women more influential. This year, the theme of the event was 'त्रिशक्ति: नारी ही सदबुद्धि, शक्ति एवं संपन्नता है', which conveys the essence of the beauty and the aesthetics of women. The theme celebrated and worshipped the three symbols of women. Trishakti, which depicts the three shaktis of Vedic era: Devi Lakshmi, Devi Saraswati and Devi Kaali representing the 3 aspects of money, power and knowledge.

On 24<sup>th</sup> March 2023, Day 1 of the Conclave started with a speaker session by Prof. Seema Singh, Professor of Law, University of Delhi. She was particularly impressed with the theme of our event and shared her experiences relating to her fight for promoting an equitable society for women. The next event was the Panel Discussion, in which the panellists presented their arguments on the age-old restrictions that bound women within the spheres of their household. At last, questions were put up by the inquisitive audience to the speakers about need, purpose of bringing about a change in society. The resources person for the enlightening discussion were as follows: Ms. Shubhika - CEO and Co-Founder of FIFE organisation; Ms. Aditi Arora - Country Director of Girl Up India; and Ms. Divya Sharma - Content Creator. The day ended with an 'Open Mic Competition' on the theme of 'Astitva- The Role of Women (Then vs Now)'. The participants showcased their talents in the form of storytelling, poetry, stand up, songs, etc.

On 25<sup>th</sup> March 2023, Day 2 started with a Self-defence workshop by the Manaveeka foundation, a Gurugram based NGO. During the workshop female students were introduced to various techniques for defending oneself in any situation.

A fitting end to the event was the Nukkad Natak performance, titled, 'Raat Ki Raani', an original production of the Dramatics Society of the National Institute of Fashion Technology 'Aarambh' in which they highlighted several issues faced by sex workers in our country. They put up a very enthralling and thought-provoking performance where they provided very valuable insights on how the sex workers are facing severe difficulties in the form of sexual assault. A monologue was also performed by one of the members enacting the episode of Draupadi from Mahābhārata which also left the audience in awe. Overall, it has been an enriching year with many events having been organized, out of which the purpose the Unit intends to achieve has possibly been achieved to the Unit's satisfaction.

## **PARIVARTAN- The Gender Forum**

**Convener: Ms. Amrapali Basumatary**

This year marks the silver jubilee of Parivartan. The annual season 2022-23 featured largely four kinds of activities following the long tradition of 25 years of activities held by The

Parivartan namely public events, organizational meetings and primary activities like Orientation programmes and awareness campaign, weekly discussions on chosen topics/issues, closed workshops for members designed towards soft skill enhancement with specific focus on gender sensitivity and safety.

The session started with the Annual Festival, Nazariya 2022 which was held on 22<sup>nd</sup> & 23<sup>rd</sup> April 2022. The theme for the fest was 'Desire' and the purpose of the theme was to look at gender issues and complexities from cultural as well as intellectual perspectives. The two-day event started with the screening of the film 'Unlimited Girls' (2002), directed by Paromita Vohra. Following the screening, the film director joined the event through video conferencing and told us the process of making this film. Vani Subramaniam, film maker and feminist activist, delivered a talk on the history of feminist movement, focusing on both global as well as Indian context. There was a video screening cum talk on the psychology of desire, delivered by Jaya Sharma, Founder of the Kinky Collective. As part of the celebrations, there were two competitions for students from the university: 'Twist the Tale' and 'Photography'.

### Public Events:

**Orientation 2022:** Parivartan organized the membership drive in the last week campaigning in classes about the society and its functioning. The orientation program was held on 13 September 2022. An exercise to examine gender stereotypes was taken up resulting in fruitful insights about how we view the world in regard to gender.

**AWAAZ 2022:** The two-day event, AWAAZ started with the screening of the play "Allegedly" by Mallika Taneja in the first half of the day. Mallika Taneja is a well known stage actor and alumnus of The Players, K M College. In this screening, Mallika used multimedia form of direct performative interaction as well as screening of her play. The play is centered around the theme of "Consent" and was followed by a discussion on "The Long Shadow of Sexual Harassment". The next event was a debating competition for students, the motion being "This House Will Legalize Same Sex Marriage". Day 2 started with an interactive session on masculinity led by Sagar Sachdeva from the YP Foundation. This fun, interactive and informative session was followed by a cultural programme of songs and multimedia performances, organized in collaboration with members of MUSOC and a few others from other colleges of the University.

**PEHCHAAN 2023:** The Parivartan held a two-day event 'Pehchaan' on 20<sup>th</sup> & 21<sup>st</sup> February 2023. The event aimed at understanding identity, exploration, expression and struggle amongst people with different sexualities and gender identities, covering a whole range of fluid categories. The Event started with the screening of the critically acclaimed film, *The Danish Girl* (2015), featuring around a man who undergoes sex reassignment operation to become a woman. The movie was followed by a workshop on "pronoun and gender" by members the YP foundation. On the second day, The Parivartan screened a critically acclaimed and award winning film *The Beautiful Boxer* (2003) which is a biographical sketch of a famous *Kathoei*, *Muay Thai* fighter who eventually announces his identity as a woman. Following the screening, there was a discussion on identity, desire, psychopathology of gender-sex cross overs. The second part of the event featured a panel discussion on 'Trans' people of various

shades in society through academic and cultural lens. The panel consisted of Shubham, Assistant Professor, Pearl Academy and Design Educator and Visual Artist, Asis Mansingh, Queer Activist, Zoologist and Board Gamer and Anmol Chaudhury, Researcher in Zoology, Food Politics Performer. Asis and Anmol are both alumni of The Parivartan. All the three panelists shared their own experiences of gender/sex identity transitions and how these processes of transition affect our sense of selves as well as the society both at the level of thought as well as lived experiences. They deliberated on their daily experience, discrimination and suppression along with the growing transmisogyny. They also spoke about navigating mental health and academics.

#### **Weekly meetings:**

**Gender in University Space** – The meeting was held on 5<sup>th</sup> July 2022. In the meeting, students presented their perspectives along with personal incidents related to gender in the campus area. Irrespective of their gender, the students shared the difficulties they had to face and how gender is a constant factor affecting the major part of their day even in an inclusive space like university.

**Body Image** – The meeting was held on 4<sup>th</sup> August 2022 and aimed to find how the concept of perceiving ourselves in a particular way affects our lives. Body image refers to an individual's perception of their physical appearance. It can affect self-esteem and mental health. Societal pressures and media portrayal contribute to negative body image in many people. Moreover, the Forum also discussed how body image affects the gender relationship in society.

**Gender and Desire** – The Parivartan had an open discussion on “gender and desire” on 26<sup>th</sup> August 2022 in which the students mainly deliberated on stereotypes surrounding sexual desire in the society. Students also discussed various forces that control and suppress desire and its expression. The discussion ended on a note to deal deeper into the understanding of societal functioning and structures.

**Gender in Everyday Life** – This discussion on “gender in everyday life” was held on 19<sup>th</sup> September 2022. Focusing on the institution of family as the primary agent of socialization and how security is a concern across genders. The discussion delved into the concept of intersectionality and the experiences of oppression at multiple levels.

**Is Campus a Safe Space?** – This weekly discussion was held on 30<sup>th</sup> September 2022 and the students discussed the current situation of the college campus. Campus should be a safe space but, in reality, it is far from it. Students shared various personal instances of abuse and discussed the things they can do to assure everyone's safety on a greater extent through networks of solidarity and safety campaigns.

**Gender and Family** – A weekly discussion on “gender in family” was held on 24<sup>th</sup> December 2022, looking at the question of what are gender, sex and sexual orientation. The discussion concluded with how a sex is determined through person's reproductive organs while gender is a social construct. Sexual orientation or sexuality is about who a person prefers to be sexually involved with.

**Identity and Expression** – The discussion took place on 28<sup>th</sup> December 2022 and the students discussed how identity and expression have become increasingly important topics of discussion. People are more aware of the complexities and nuances of identity and the impact it has on their lives. They are also more accepting of a wider range of expressions of gender, sexuality, and other facets of identity. However, there is still much work to be done in terms of creating a more inclusive and accepting society for all.

**Gender and Expression** – This weekly discussion was held on 5<sup>th</sup> January 2023 and covered the vast topic of gender and its expression in today’s world. Gender expression refers to the way a person presents his/her gender to others through behaviour, clothing, and other aspects of appearance. It is not necessarily tied to one’s own biological sex or gender identity. The way a person decides to express his/her gender is a personal choice. It is an important aspect of self-expression and identity.

**Gender and Social Media** – The discussion was held on 11<sup>th</sup> January 2022 and students talked about how Social media has become an important platform for discussions on gender and related issues. It has given people a space to share their stories, express themselves, and connect with others who have similar experiences. However, social media can also perpetuate harmful gender stereotypes and abuse. It is important to be aware of these issues and use social media responsibly to promote gender equality and inclusivity.

**Caste, Class and Gender** – The discussion was held on 9<sup>th</sup> February 2023 and covered the topics of caste, class and gender. Caste refers to a system of social hierarchy and segregation that has historically been prevalent in India while class refers to the socio-economic status. Gender refers to the socially constructed roles. These factors intersect in complex ways, shaping people’s opportunities and experiences. Overall, the Forum looked at how understanding these intersections are crucial for addressing systemic inequalities that affect individuals and communities.

On 3<sup>rd</sup> & 4<sup>th</sup> February 2023, The Parivartan successfully organized another highly interactive and informative closed workshop on “Masculinity”, which was focused on training the members of the Gender forum. It focused both on understanding terms, categories, concepts and processes as well as geared towards providing participants with soft skills to conduct such workshops in future. The workshop was organized in collaboration with the YP foundation. It was a huge success in which the students were made to learn about relationships, individuality and masculinity through interactive discussions and fun activities.

Apart from the above mentioned events and discussions, The Parivartan also conducted another round of Orientation Programme for the Semester 1 students who were admitted late in the session. The Forum also carried out class to class campaigns about the Gender Forum and for Safe-Campus awareness. It installed a stall during the NAAC visit in December 2022 and created a very positive image of the College and drew much appreciation from the visiting auditors. It also published the first issue of *Visangati*, its magazine/newsletter. Further, a survey on Body Image has been conducted by the Team-Parivartan, the final report of which is very soon to be published in the next academic session.

The strength and vibrancy of The Gender Forum lies in its student members who, with great sincerity, carry the responsibility, its functioning and different programmes. The outgoing batch, featuring Rimi Kansal (History Hons), Anshika Rana (B. A. Prog), Labani Brahma (Zoology Hons.) and Himanshi Gera (Phy Sc. 3rd year) need to be mentioned for their outstanding contribution towards The Forum and have mainly been responsible for the vibrancy of the Forum. Pravishti (History Hons. 2nd year), Tasmiya Abrar (English Hons. 2nd year), Devansh Gupta (Maths Hons. 2nd year), to name a few, with their hard work, sincerity and creativity throughout this academic session, have shown a promising future in the next session.

## The Peace Club

**Conveer: Dr. Vandana Chaudhary**

The Peace Club with a mission to create global awareness about non-violence as an essential to human survival tool is continuously working towards promoting Non-violent Conflict Resolution, A World Beyond Violence & War, Peace Education, Citizen Diplomacy and & Peace Programmes in India & Abroad. This is in line with UN SDG 16.

The Club organized a group discussion session on the theme of gender equality with special emphasis on the eradication of the socio-economic backwardness of women and bringing men and women to parity. A virtual meet on Google Meet on Saturday, dated 9<sup>th</sup> July 2022 proved to be a fruitful discussion in this regard. The group discussion started with an interactive ice-breaker activity in which all participants had to introduce themselves without revealing their name, gender and place they belong. Further, the moderators Saharsh Pandey and Sakshi Rawat introduced the theme. All the participants expressed their viewpoints logically and justifiably.

The Convener of The Club graced the discussion with her insightful words. She elaborated on the need to distinguish between Gender and Sex as two differing concepts. Further, she pointed out the hitherto subdued position of women in our society and the challenges that they now face to “catch up to men”. She braided the idea that the humanitarian vision of society concerning women and gender, is linked to the greater idea of Peace. The participants were captivated by her words and from time to time, added on with their experiences and encounters in real life. Therefore, with the increasing gender inequality in our society, the Peace Club is looking forward to spreading gender equality for the sake of humanity and the survival of life on earth.

On 23<sup>rd</sup> July 2022, The Club conducted Documentary screening followed by Group discussion on the theme- Environment- A Quiet Revolution. On World Nature Conservation Day, the 28<sup>th</sup> July 2022, Sustainable Development Goals (SDGs) research project has been started. On 27<sup>th</sup> August 2022, a group discussion was conducted on the theme of Juvenile Delinquency. Members of the club discussed the importance of this aspect while promoting peace and equality. In September, students from American Field Service, Kenya interacted with students from The Club (KMC) and worked towards identifying common issues in both Kenyan and Indian aspects. It was a one day virtual meeting organized with the intention to

bring diverse cultures together to diversify the intercultural experience and promote peace, intercultural understanding, and interpersonal exchange. The aim of this interaction is to advocate and assist world peace by working on SDGs and raise awareness of and instill the concepts of valuing and embracing cultural diversity.

In the month of October 2022, the online initiative of Diwali Mails has been carried out with the aim to promote peacebuilding. Through this initiative, beautiful messages have been sent to people by The Club members. In the month of February, The Club conducted its orientation for the batch 2022-25, which is attended by more than 40 students. This programme aimed to sensitize building peace in academic college life. The Club further plans to have its Annual Fest called Pax Gaia in the month of April 2023 expecting it to be a great success like its previous editions.

Student Office Bearers are - Khushi Nigam (President), Aashi Tyagi (Vice-President) Saharsh Pandey (General Secretary), Khushi Singhal & Tanay Jain (Content Head), Riya Gulati & Ayush Adhikari (Social Media and Outreach Head), Avni Bishnoi & Garima Jain (IT & Design), Kiran & Rimi Kansal (PR & Event Management), and Kashvi Sachdeva & Sarvesh Tiwari (Cultural Head).

## PRAYAS- The Enabling Unit

**Convener: Prof. Someshwar Sati**

Prayas - The Enabling Unit is an organization that works towards the empowerment and inclusion of people with disabilities. The organization believes in the potential of every individual, and through this fest, the Unit aims to create an environment that encourages creativity, teamwork, and inclusivity.

As we reflect on the year gone by, we are reminded of the beautiful journey The Unit had embarked on – to empower and inspire individuals from diverse backgrounds. The Unit believes that every individual deserves equal opportunities to grow and develop, regardless of their abilities or disabilities. With this vision in mind, The Unit organized a range of events and activities throughout the year, which aimed to provide a platform for growth and development.

**AZADI KA AMRIT MAHOTSAV ON 13<sup>TH</sup> AUGUST 2022:** It is an initiative of the Government of India to celebrate and commemorate 75<sup>th</sup> year of independence of the country and the glorious history of its people, culture and achievements. Under this, two competitions i.e. Music Competition and Declamation Competition were organised.

**AWARENESS ON EYE DONATION ON 13<sup>TH</sup> SEPTEMBER 2022:** The Unit organized an awareness event on eye donation, led by Ms. Noopur Pandey, who shared valuable insights into the importance of eye donation and the impact it can have on individuals in need. Through this event, The Unit aimed to raise awareness about the need for eye donation and encourage more people to pledge their eyes to help those in need.

**CAREER GUIDANCE AND SKILL DEVELOPMENT WORKSHOP FOR PERSONS WITH DISABILITIES ON 19<sup>th</sup> SEPTEMBER 2022:** The Unit organized a career guidance and skill development workshop for persons with disabilities. The workshop was led by Ms. Meenakshi Mahalwal, a renowned speaker, and was attended by a diverse group of individuals from the disabled community. Through this workshop, The Unit aimed to provide valuable insights into career opportunities, entrepreneurship, and skill development. The event was a great success, with participants gaining valuable knowledge and skills to help them succeed in the careers of their choice.

**WORLD INVESTOR WEEK 2022 from 10<sup>th</sup> OCTOBER TO 16<sup>th</sup> OCTOBER 2022:** The Unit with the Finance and Investment Cell and Centre for Disability Research and Training (CDRT) celebrated this in the Academic Auditorium. It was promoted by SEBI and International Organizations of Securities Commission (IOSCO) and was a very insightful session.

**ORIENTATION PROGRAMME ON 12<sup>th</sup> NOVEMBER 2022:** An Orientation Meet was organised for the 1<sup>st</sup> year students and newly recruits to understand the concept of The Unit and its working. A number of performances were also there as a part of the event and the students thoroughly enjoyed it too.

**ANTARCHAKSHU ON 6<sup>th</sup> & 7<sup>th</sup> NOVEMBER 2022:** It was organised for 2 days on 6<sup>th</sup> & 7<sup>th</sup> November 2023. As a part of it, volunteers had to blindfold themselves and perform a few simple activities. The initiative was supported by Dhun Pestonji Parakh Discretionary Trust, Godrej Industries Ltd, Union Bank of India, SBI Mutual Fund, and Lawrence & Mayo, Mendonsa Foundation. It was an interactive workshop and everyone enjoyed it.

**NAAC VISIT ON 19<sup>th</sup> DECEMBER 2022:** On 19<sup>th</sup> of September 2022, the NAAC team had visited the College and The Unit had made a PPT presentation to depict what all it has done so far in which all the initiatives having taken over the last year were depicted and displayed. At the same time, The Unit was also given one stall in the library lawn where its volunteers and students displayed the events done so far to the NAAC team. The team visited The Unit's room.

**WORLD BRAILLE DAY ON 4<sup>th</sup> JANUARY 2023:** The Unit also celebrated World Braille Day in collaboration with Saksham Indraprastha, a day that commemorates the birth anniversary of Louis Braille, the inventor of the Braille system. Through this event, The Unit aimed to raise awareness about the importance of Braille and promote the rights of visually impaired individuals. Under this, three competitions i.e. Braille essay writing, slogan writing and extempore competition were organized.

**FRESHER'S 2023 ON 15<sup>th</sup> FEBRUARY 2023:** The Unit conducted its first ever Fresher's function instead of the traditional practice of hosting a Fresher's Talent Show on the 15<sup>th</sup> February 2023. The event was attended by faculty members, PwD students, and volunteers from The Unit. The energy was contagious as new students mingled and got to know each other, besides enjoying several fun games and performances. The efforts of team made

Fresher's 2023 a great success.

**INTELLECTUAL MEET BY SAKSHAM INDRAPRASTHA YUVA AAYAM ON 15<sup>th</sup> MARCH 2023:** It was an intellectual meet on Inclusive University Barriers and way forward to the PwD people who gathered in the seminar Hall of the College.

**LEHAR 2023 ON 28<sup>th</sup> & 29<sup>th</sup> MARCH 2023:** The Unit had its grand flagship event of Lehar, the Cultural Annual Fest. This Fest aimed to bring together PwD students from different colleges and universities to showcase their talents, exchange ideas, and celebrate the spirit of inclusivity and diversity. The Fest included a variety of events like cultural performances, music competitions, debates, art exhibitions, and what not. The Fest provided a platform for the students to showcase their skills and talents and learn from each other.

The year 2022-23 has been an eventful one for The Unit with a range of activities and events that aimed to empower and inspire individuals from diverse backgrounds. Through these events, The Unit had successfully promoted inclusivity, raised awareness about important issues, and provided a platform for growth and development. The Unit looks forward to continue this journey and make a positive impact on the lives of many more individuals in the years to come. The strength of The Unit lies in its faculty members, volunteers, core team and its PwD students. The Prayas, thus, wholeheartedly expresses sense of gratitude to the college for its overwhelming support in making all its events successful.

# The Founder's Day



Kirori Mal College, established in 1954, has entered its 69<sup>th</sup> year by touching continuous heights. On 1<sup>st</sup> February 2023, the College celebrated its 69<sup>th</sup> Foundation Day. Cultural programmes and games were organized on this occasion. In this auspicious event of the College, Prof. Dinesh Khattar (Principal) along with the Chief Guest Prof. Balram Pani (Dean of Colleges, University of Delhi), special guest. Prof. D S. Rawat (Chairperson, Kirori Mal College), Prof. Vikas Gupta (Registrar, University of Delhi) were present. In addition, Prof. K.P. Singh (Treasurer, Kirori Mal College), distinguished alumni, retired professors, all faculty members and staff along with a large number of students were also present.

The event started at 08:30 am with Saraswati Puja. This was followed by the flag hoisting ceremony by Dr. Vikas Gupta (Registrar, Delhi University) at 09:30 a.m. and singing the National Anthem. The Principal presented saplings, shawls and honored the guests with a memento. After this, Principal Prof. Dinesh Khattar presented a speech in which he congratulated everyone for the 10<sup>th</sup> position in NIRF ranking and A++ grade by NAAC and expressed his commitment to maintain the quality of the College at its best. After this, Prof. D. S. Rawat, Prof. Vikas Gupta and Prof. Balram Pani addressed the audience and congratulated one and all for this huge accomplishment of the College. From 11 am, classical and pop song-music and dance performances were presented by Music and Dance Society of the College. An exciting cricket match took place between the Principal 11 and the Students' Union 11 in the Sports Ground at 12 noon. The celebration came to a formal end with the sumptuous lunch at 01:30 pm. Furthermore, even after this, former students were seen reliving their old memories in the college campus, as well as interacting with the current students.











# Internal Quality Assurance Cell

## Internal Quality Assurance Cell

**Convener: Dr. Ramananda Singh**

The activities of IQAC for academic year 2022-2023 had begun with the preparation of data of NIRF Ranking 2022. Our College has been participating in NIRF ranking since 2018. The College got the 17<sup>th</sup> ranking in all India Ranking of colleges in the year 2021. In the year 2022, the College got ranked on the 10<sup>th</sup> position by the National Institute Ranking Framework (NIRF), Government of India announced on 15<sup>th</sup> July 2022 at New Delhi by Ministry of Education, Government of India.

### **NIRF Rankings of the College since its participation:**

2022 – 10<sup>th</sup>, 2021 – 17<sup>th</sup>, 2020 – 19<sup>th</sup>, 2019 – 18<sup>th</sup> and 2018 – 20<sup>th</sup>

The official link of the ranking: <https://www.nirfindia.org/2022/CollegeRanking.html>

IQAC of the College have initiated the Parent-Teacher Meeting across the departments in the College in the academic year 2022-2023. The Cell also took initiative to apply for India Today Ranking in the year 2022 in three categories under the best college section across the country. The Cell in association With Phixgen Pvt. Ltd., Gurugram, India also organized a Certificate Course on Metagenomics & Bioinformatics during 1<sup>st</sup> July 2022 and 19<sup>th</sup> July 2022. The inaugural session of the certificate course opened with a welcome note and an introduction to IQAC and Phixgen Pvt Ltd. by the programme IQAC Coordinator and Program Co-coordinator, Dr. M. Ramananda Singh and Dr. Gauri Garg Dhingra. Prof. Kalpana Bharara encouraged the audience and gave introductory address. The keynote speaker of the session Prof. Rup Lal was introduced by Prof. Rakesh Kumar Pandey. Prof. Lal explained the importance of computational biology in recent scenario by delivering a talk on the ‘Role of Computational Biology in Microbial Ecology’. The inauguration session was followed by a series of lectures and hands-on sessions as follows:

### **MODULE I – INTRODUCTION TO COMPUTATIONAL BIOLOGY:**

Session 1: Know your Hardware and Software (Introduction to Linux)

Resource Person: Dr. Roshan Kumar, P. G. Department of Zoology, Magadh University, Bodh Gaya

Dr. Roshan Kumar started the session on ‘Computer platforms for Genomics and Bioinformatics’. He introduced the Linux operating systems and the importance of knowing hardware and software to the participants. The hands-on part of this lecture included installing a VMware player and installing ubuntu via virtualization. In the second session, Dr. Kumar discussed the concepts and hand-on exercises related to genome assembly where the participants learned how to assemble raw data using de novo assemblers (ABYSS). Also, assembly statistic parameters to obtain an optimal genome assembly were explained like k-mer, N50, L50, coverage, etc.

Session 2: Database File Formats

Resource Person: Dr. Shailly Anand and Dr. Renu Solanki, Deen Dayal Upadhyaya College, University of Delhi

Dr. Shailly Anand began the session with a brief introduction to databases, their importance in the present context of big data, and the general architecture of any database. She explained with suitable examples how a biological database is a collection of data that is structured, searchable, updated periodically, and cross-referenced. A database helps to store, maintain, annotate and curate the data. She went ahead to elaborate the importance of databases for storing and communicating large datasets, distributing resources, and making biological data available to scientists in computer-readable form along with ease of access. She then discussed the different basis of classification of biological databases as proposed by various workers. Thereafter, she gave an insight into the available primary and secondary databases and how each is involved in keeping nucleotide and protein sequence and structural data in an organized form. Towards the end, she gave an overview of organism-specific databases such as FlyBase, ZFIN, TAIR, etc. but also conducted a hands-on simple exercise on retrieving a protein sequence from a primary database and fetching information in different formats.

### Session 3: Blast and Its Types

Resource Person: Dr. Jasvinder Kaur, Gargi College, University of Delhi

As BLAST or the Basic Local Alignment Search Tool has grown significantly among the biologists. Dr. Jasvinder Kaur opened the workshop with a brief practical application of how to use NCBI-BLAST to compare the similarity between two sequences. A long with protein and nucleotide BLAST, rapid retrieval of sequences via NCBI was performed. It was used to find regions of local similarity between these sequences. The programme compares nucleotide or protein sequences to sequence databases and calculates the statistical significance of matches. Matrix analysis was used to explain this statistical correlation. The various facets of graphical results were also explained. In-depth explanations of the Maximum Score and e-value components of the BLAST method were presented. The PAM and BLOSUM matrices were then thoroughly described with examples. The discussion of the many BLAST alternatives and their applications concluded the session. Alongside this, the participants' questions were answered.

### Session 4: DNA Sequencing

Resource Person: Dr. Shailly Anand, Deen Dayal Upadhyaya College, University of Delhi

Dr. Shailly Anand began the session with a brief introduction to DNA sequencing, its role in any genome sequencing project, and its importance and application in a wide variety of research areas. She then explained how the sequencing method evolved from Maxam and Gilbert's chemical method in 1976 to Sanger Sequencing and way up to New Generation Sequencing technologies. With illustration, she then elaborated the Chain termination method, invented by Sanger and how it was automated to generate an electropherogram. Thereafter, she gave a detailed account of Pyrosequencing followed by Illumina Sequencing. Alongside, she also introduced other sequencing methods including Ion Torrent, SOLiD Sequencing, Helicos, Nanopore Sequencing, and even Single Molecule Real Time (SMRT) Sequencing. In the end, she gave a comparative account of each in terms of read length, cost per base, duration, merits and disadvantages

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### Session 5: Genome Assembly

Resource Person: Dr Utkarsh Sood, TERI, New Delhi

One of the fundamental problems in bioinformatics is *De novo* genome assembly. Interest in the problem has been renewed in the past decade due to the advent of *next-generation sequencing* (NGS) technologies, which generate large numbers of short (100–400 bp) reads with relative low sequencing error rates. There are three main approaches for *De novo* genome assembly, the greedy strategy, the string overlap graph, and the de Bruijn graph. The session introduced various types of Genome assemblers like Velvet, Celera, Spades, IDBA, Ray and Abyss. ABySS Assembler was explained in detail. Fastq files were provided for a hands-on practice session. The students were taught to operate the software and various parameters for a good assembly were also discussed.

## MODULE II- GENOMICS:

### Session 6: Genome Validation and Annotations

Resource Person: Dr. Gauri Garg Dhingra, Kirori Mal College, University of Delhi

The session on ‘Genome Annotations’ dealt with the basics of annotation like structural and functional annotations, levels of annotation and different tools, hands-on exercise on RAST (Rapid Annotation using Subsystem Technology) Server and how it provides a high-quality genome annotation for prokaryotes across the whole phylogenetic tree. Once annotation is completed, genomes can be downloaded in a variety of formats or viewed online. The genome annotation provided does include a mapping of genes to subsystems and a metabolic reconstruction. In addition, students were also taught how to predict closest neighbours for the bacterial genome using RAST.

### Session 7: Alignment and Phylogeny

Resource Person: Dr. Roshan Kumar, P. G. Department of Zoology, Magadh University, Bodh Gaya

Dr. Roshan explained the concepts of phylogeny and taxonomy. Following that, the students were taught about the genotypic, phenotypic, and chemotaxonomic markers used to classify bacterial species into taxa using a polyphasic approach. The importance and drawbacks of using the 16S rRNA gene sequence to create phylogenetic trees were next discussed. The benefits of employing genomic-based approaches to analyze the 16S rRNA gene sequence were then described, including two types of Phylogenomic methods: whole genome and core genome. Following that, approaches based on the entire genome such as Average Nucleotide Identity (ANI), Average Amino acid Identity (AAI), and Genome to Genome Distance Calculator (GGDC) were discussed. These analyses were demonstrated to the students using previously saved data, followed by the creation of a heat map and dual dendrogram using the multi-experiment viewer (MeV). After that, students were asked to raise any questions they had in order to practice their own systems.

### Session 8: Functional Analysis

Resource Person: Dr. Helianthous Verma, Ramjas College, University of Delhi

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Functional genomics is the study of how genes and intergenic regions of the genome contribute to different biological processes. A researcher in this field typically studies genes or regions on a 'genome-wide' scale (i.e. all or multiple genes/regions at the same time) with the hope of narrowing them down to a list of candidate genes or regions to analyse in more details. Dr. Helianthous introduced the audience to various software with which the functional genomics can be done namely Minpath, KASS-KEGG pathway.

#### Session 9: Protein Structure Prediction, Modelling

Resource Person: Dr. Charu Dogra Rawat, Ramjas College, University of Delhi

The session began by discussing the role of cellular proteins; they perform various functions ranging from DNA replication, responding to stimuli, providing structure to cells and transporting molecules from one location to another. It is highly significant, thus, to understand the relationship between sequence, structure and function of proteins in order to understand the functioning of cells under various conditions. Dr. Rawat elaborated on the procedure of homology modeling for predicting the structure of proteins from their sequences. The method on the homology of these sequences with the sequences of proteins whose structures are known and deposited in protein databanks. The participants learned about the SWISS-MODEL interface to predict the structure of an example protein sequence. The information provided as the output was analyzed. Further, structure assessment and validation methods e.g. by analyzing the Ramachandran plot of the obtained structure were also discussed. The obtained structure model was visualized in UCSF Chimera software and some of its features were also discussed.

### **MODULE III- META GENOMICS:**

#### Session 10: Metagenomics – Amplicon and whole metagenome

Resource Person: Dr. Roshan Kumar, P. G. Department of Zoology, Magadh University, Bodh Gaya

Dr. Roshan Kumar, Assistant Professor, Magadh University gave a comprehensive overview of 'Microbial Ecology and Metagenomics'. During his presentation, he described metagenomics' timeline and milestones. This was followed by a detailed description of developing gnotobiotic chicken, preparing the culture library using culturomics, and then conducting colonization experiments using gnotobiotic chicken. At the end, he cited examples of his work to explain the details.

#### Session 11: Metagenome Diversity Analysis by Kaiju

Resource Person: Dr. Utkarsh Sood, TERI, New Delhi

Dr. Utkarsh Sood explained the use of Kaiju as a tool for the taxonomic classification of high-throughput sequencing reads e.g. Illumina or Roche/454, from whole-genome sequencing of metagenomic DNA. In this program, reads are directly assigned to taxa using the NCBI taxonomy and a reference database of protein sequences from microbial and viral genomes.

Kaiju translates metagenomic sequencing reads into the six possible reading frames and

searches for maximum exact matches (MEMs) of amino acid sequences in a given database of annotated proteins from microbial reference genome. Participants were shown the illustrations which were obtained by the software and explained how one can use the data to reproduce the figures.

#### Session 12: MG-RAST

Resource Person: Dr. Princy Hira, Maitreyi College, University of Delhi

Dr. Princy Hira introduced the MG-RAST pipeline which performs quality control, protein prediction, clustering and similarity-based annotation on nucleic acid sequence datasets using a number of bioinformatics tools. MG-RAST performs a protein similarity search between predicted proteins and database proteins (for shotgun) and a nucleic-acid similarity search (for reads similar to 16S and 18S sequences). MG-RAST presents the annotations via the tools on the analysis page which prepare, compare, display, and export the results on the website. A hands-on practice was also done with the provided metagenomic assembly data.

Members of IQAC coordinated various sessions. Assessments were taken on google forms after each module was completed. Also, a doubt session was kept to clear the queries of the participants. Feedback form was circulated among the participants. Valedictory session was done on 19<sup>th</sup> July 2022. A review of feedback received was done. It was reported that all the participants were benefitted from the course. The participant appreciated the choice and delivery of the course content and the organization of the programme. The participants also mentioned their eagerness to join an advanced course on the same discipline. Dr. Ram Sunil Lalji summarized the sessions. The session ended with vote of thanks to all the resource persons, and participants by the IQAC Co-Ordinator, Dr. M. Ramananda Singh.

#### **IQAC initiated a MoU of the College with, INMAS, DRDO:**

Our College and the Institute of Nuclear Medicine and Allied Science (INMAS), DRDO, signed a Memorandum of Understanding (MoU) on Thursday, dated 28<sup>th</sup> July 2022 to create a platform for collaborative academic and research programmes for students and teachers. More than 100 students and teachers attended the programme held at the Academic Auditorium of the College. Dr. Upendra Kumar Singh, Director General, Life Science, DRDO (Ministry of Defense) spoke at length about how the collaboration would lead to exchange programmes between the two institutes. The MoU was signed by the then Principal (Prof. Vibha Singh Chauhan) and Dr. Anil Kumar Mishra, Director, INMAS, DRDO in presence of Dr. Upendra Kumar Singh, Dr. A. N. Bhatt, Dr. Gaurav Mittal, Dr. Shubhra Chaturvedi, Ms. M. Memita Devi from INMAS and Prof. S.K. Kaushik, Dr. Kalpana Bhrara, Dr. M. Ramananda Singh, Dr. Raksha Sharma among others from College. Dr. Singh also mentioned how the MoU opens up the highly advanced labs and the scientific equipment at INMAS for the students and teachers of KMC to strengthen their academic growth and research programmes. Dr. Mishra also mentioned how the MoU opens doors for translational research that takes products from laboratory to society, eventually leading to making India *Atmanibhar Bharata*. The MoU which is the brainchild of the IQAC (KMC) is an important step towards maintaining quality research in Sciences and Social Sciences. The active presence of NCC cadets added to the sense of discipline, commitment and dedication with which both institutes have come together

through the MoU.

IQAC has also initiated an online grievance application system in College for the welfare of the students and staffs in the college in the year 2022-2023. The College applied for accreditation of NAAC for its 2<sup>nd</sup> cycle in the year 2022 and has been accredited A++ with C.G.P.A of 3.541 in the month of December, 2022 (27<sup>th</sup> Dec. 2022) by NAAC.

IQAC along with the Department of Botany organized an awareness programme on waste segregation on 10<sup>th</sup> January 2023. An awareness campaign about waste segregation and disposal was organized by the Department of Botany in association with IQAC for gardeners, cleaning helpers, students and faculty members on 10th January 2023 in the Academic Auditorium. The campaign was conducted by Ms. Pooja Khandelwal. For more than 2 hours, she sensitized, motivated and enlightened the audience with urgent need for segregation of dry and wet waste, organic waste and dry leaves. She also told how we can change the dustbins as resource bins by recycling the waste. Ms. Khandelwal underlined the difference between green, blue and black dustbins. She suggested to make allocated points for collection of segregated waste.

Internal Complaint Committee of the College in collaboration with IQAC organised a one Day workshop on Gender Sensitization for students, teachers and non-teaching staff on 15<sup>th</sup> March 2023 in the College. Our own teaching faculties were the speakers of the Day. They have an expertise in this field and a renowned worker nationally and internationally. Starting of the workshop was by the motivational speech of the respected Principal, followed by ICC Convener Prof. Rajni Gupta. First speaker Ms. Shahana Bhattacharya enlightened the audience on what is ICC and the rules and regulations mentioned in The Gazette of India. Another speaker Prof. Seema Mehra Parihar made the audience aware of POSH, rules and case studies regarding the sexual harassment, types of harassment, how and who and when can lodge her complaint. This event was concluded by the co-convener Prof. Harish with vote of thanks. Group photograph and sapling a tree in Botanical Garden followed thereafter. It was a wonderfully enriching and inspiring event in which students participated with a great enthusiasm and vigour.





# National Assessment and Accreditation Council (NAAC)

## **2<sup>nd</sup> Cycle of the NAAC in College And the Beginning of the ++Phase**

The NAAC Peer Team visited the College on 19<sup>th</sup> & 20<sup>th</sup> December 2022. Following were the members of the peer team: Dr. Rajanish Kamat, Vice-Chancellor, Dr. Homi Bhabha State University, Institute of Science Mumbai, Maharashtra; Dr. Shiva Rama Prasad Ramineni, Dean, Faculty of Commerce and Business management, Professor and Head, Department of Commerce and Business Administration, Acharya Nagarjuna University, Guntur, Andhra Pradesh; and Dr. Hetal Mehta, Principal Swami Sahajanand College of Commerce Management, Bhavnaga, Gujrat.

The first day of the Visit, that is, 19<sup>th</sup> December 2022 began by welcoming the Team, and the Guard of Honour given by the NCC students in the Ashoka Lawn. The day was inaugurated by the welcome and introduction of the Peer team, followed by a presentation by the then Principal Prof. Vibha Singh Chauhan. After this the introduction of different Departments and their PPT presentations were held in the seminar hall where the team interacted with the Heads/In-charges of the Departments/NAAC Committees. Question-answer session was also conducted during this meeting. The Team visited various Departments, Laboratories, Computer Centre, Incubation Centre, Media Laboratory/Commerce lab, Studios, etc. and saw the written description of all the activities of the College, such as time table, report of activities, photographs in display etc. Meeting and interaction were held with the Heads of the Departments/Teachers and Convenors of different Societies i.e. DBT, NSS, NCC, Eco-Club, Parivartan, and CDRI. Post lunch, the Peer Team took a tour of various Physical Facilities in College that included Herbal Garden, Hostel, Sports Ground, Gymnasium, Yoga Centre, Research Centre, Girls Common Room, Health Centre, Account Section, Academic Block, Canteen, Wellness and Counselling Centre, Mushroom House, Library, Placement Cell, Career Counselling Centre, Language Lab, Anti Raging Cellmate Sexual, Harassment Cell etc. There was a rich discussion of the NAAC Peer Team with the students, the alumni, the parents and the teaching staff & the non-teaching staff. Everyone shared his/her views and then a meeting was held with the IQAC's Coordinator and other members in the IQAC office, followed by an interaction with administrative officer, finance officer and other non-teaching staff. The day ended with a cultural programme as a memorable evening.

The second day of the Visit, that is, 20<sup>th</sup> December 2022 focused on assessment of the Institutional Values and Best Practices. The Team visited different stalls at the Library Lawn, Vermicomposting, Nursery, Biofloc, Mushroom, Solar Panel (Science Block), CDRT, Innovation Centre for Enterprises, Rain Water Harvesting, Waste Management System, Aerobin, Ramp/Rails, and Sensor Light. After this, a meeting and discussion was held with Convenors of different Committees and Societies. In the end, the NAAC Peer team finalized the report and shared it with the Principal at her office. The day was concluded by bidding Farewell to the NAAC Team via an Exit Meeting in the Academic Auditorium.

The College has thus been accredited A++ with C.G.P.A of 3.541 in the month of December last year (that is – on 27<sup>th</sup> December 2022) by the NAAC in the Second Cycle of its assessment.



राष्ट्रीय गुणवत्ता एवं प्रमाणन परिषद  
National Assessment and Accreditation Council  
An Autonomous Institution of the University of Delhi

**Certificate of Accreditation**

The Executive Committee of the National Assessment and Accreditation Council is pleased to announce  
**Kirori Mal College**  
University of Delhi, North Campus, Dist. North Delhi, a Constituent College of University of Delhi, Delhi as Accredited with CGPA of 3.34 on four-point scale at 'A' grade valid up to December 30, 2027

Date: December 11, 2022

S. C. Chakravarty  
Director

राष्ट्रीय गुणवत्ता एवं प्रमाणन परिषद  
National Assessment and Accreditation Council  
An Autonomous Institution of the University of Delhi

**Quality Profile**

Name of the Institution: Kirori Mal College  
Place: University of Delhi, South Campus, Dist. North Delhi, India

Criteria	Weightage (%)	Criterion Weighted Grade Point (0-100)	Criterion Grade Point Average (0-100)
I. Curricular Aspects	300	320	3.33
II. Teaching Learning and Evaluation	200	220	3.30
III. Research, Innovation and Extension	150	160	3.30
IV. Infrastructure and Learning Resources	300	300	3.00
V. Student Support and Progression	300	400	3.33
VI. Governance, Leadership & Management	300	340	3.33
VII. Institutional Values and Social Practices	300	300	3.00
<b>Total</b>	<b>1800</b>	<b>1940</b>	<b>3.34</b>

Accredited CGPA: 3.34  
Grade: A

Date: December 07, 2022

S. C. Chakravarty  
Director







**भारतीय  
भाषा समिति**

## संयोजक: डॉ० विनय गुप्ता

मंगलवार, 21 फरवरी 2023 'अंतरराष्ट्रीय मातृभाषा दिवस' के अवसर हिंदुस्तानी भाषा अकादमी एवं किरोड़ीमल महाविद्यालय की भारतीय भाषा समिति के संयुक्त तत्वावधान में एक दिवसीय 'मातृभाषा महोत्सव' का भव्य आयोजन किया गया। चार सत्रों में आयोजित इस महोत्सव का शुरुआत प्रातः 10:00 बजे दीप प्रज्वलन एवं सरस्वती वंदना से हुआ। देर शाम तक चले इस आयोजन में राष्ट्रीय राजधानी क्षेत्र के अनेक विश्वविद्यालयों के विद्यार्थियों तथा भारतीय भाषाओं के संवर्धन एवं उनके उत्थान के लिए समर्पित विद्वानों ने सहभागिता की। प्रथम सत्र में 'हिंदुस्तानी भाषा अकादमी' की भारतीय भाषाओं पर केंद्रित पत्रिका 'हिंदुस्तानी भाषा भारती' के नवौनतम अंक का लोकार्पण किया गया।

मातृभाषा के उन्नयन के माध्यम से 'एक भारत श्रेष्ठ भारत का निर्माण' विषय पर केंद्रित परिचर्चा के उद्घाटन सत्र में मुख्य अतिथि प्रोफेसर के. पी. सिंह, निदेशक गाँधी भवन, दिल्ली विश्वविद्यालय, विशिष्ट अतिथि प्रोफेसर निरंजन कुमार, अधिष्ठाता योजना एवं मूल्य संवर्धन पाठ्यक्रम, दिल्ली विश्वविद्यालय तथा किरोड़ीमल महाविद्यालय के प्राचार्य प्रोफेसर दिनेश खट्टर ने अपने-अपने सारगर्भित विचार रखे। इस सत्र का संचालन डॉ० विनय गुप्ता, सहायक प्रोफेसर द्वारा किया गया। इस अवसर पर हिंदुस्तानी भाषा अकादमी के अध्यक्ष श्री सुधाकर पाठक ने अपने उद्बोधन में लुप्त होती जा रही भाषाओं पर अपनी गहन चिंता व्यक्त की। उन्होंने हिंदी भाषा का उदाहरण देते हुए बताया कि किस प्रकार पहले उससे उसके शब्द छीने गये, उसके बाद वाक्यांश, फिर वाक्य और अब लिपि।

कार्यक्रम के दूसरे सत्र में विश्वविद्यालय के विभिन्न महाविद्यालयों से आए छात्र-छात्राओं के मध्य एक वक्तव्य प्रतियोगिता का आयोजन किया गया, जिसमें प्रथम, द्वितीय व तृतीय स्थान प्राप्त करने वाले छात्रों को अकादमी का स्मृति चिन्ह एवं मेडल देकर सम्मानित किया गया। दो विद्यार्थियों को सांत्वना पुरस्कार भी प्रदान किया गया तथा सभी प्रतिभागी छात्र-छात्राओं को प्रमाण पत्र एवं मेडल देकर सम्मानित किया गया।

इस अवसर पर विशिष्ट अतिथि के रूप में पधारे केंद्रीय हिंदी निदेशालय के सहायक निदेशक डॉ० दीपक पांडे, डॉ० नूतन पांडे, आधुनिक भारतीय भाषा दिल्ली विश्वविद्यालय के प्रोफेसर वेंकट रमय्या गंगा (तेलगु भाषा) तथा प्रोफेसर उमा देवी (तमिल भाषा) तथा हिंदू महाविद्यालय के सहायक प्राध्यापक डॉ० सुनील कुमार राय ने भी अपने विचार रखे। तृतीय सत्र में 'बहुभाषी कविता पाठ' का आयोजन किया गया, जिसमें विश्वविद्यालय के छात्र-छात्राओं ने हिंदी तथा अन्य भारतीय भाषाओं में अपनी कविताएं पढ़ीं। इस अवसर पर सुप्रसिद्ध कवि/कवियत्रियों ने भी काव्य पाठ किया, जिनमें डॉ० पूजा कौशिक, सुश्री इंदु मिश्रा, सुश्री सीमा सिंह, सुश्री नोरिन शर्मा, सुश्री मीनाक्षी देवी, सुश्री निशि शर्मा प्रमुख हैं। काव्य-पाठ सत्र का कुशल संचालन डॉ० वनीता शर्मा तथा श्री विनोद पाराशर ने किया। आभार ज्ञापन श्री विजय शर्मा द्वारा किया गया। कार्यक्रम के अंतिम सत्र में, पुरस्कार विजेता छात्र-छात्राओं को मेडल एवं हिंदुस्तानी भाषा अकादमी के स्मृति चिन्ह, तथा प्रतियोगिता एवं काव्य-पाठ में सभी सहभागी छात्र-छात्राओं व कवियों को मेडल और प्रमाण पत्र प्रदान किया गया।

इसी क्रम में भारतीय भाषा समिति के तहत विश्व पुस्तक मेले की भ्रमण-यात्रा को भी 26 फरवरी 2023 को आयोजित किया गया। जीवन, संस्कृति व बुद्धि का आधार है 'पुस्तक'। कॉलेज के प्राचार्य प्रो. दिनेश खट्टर के निर्देशन में संयोजक डॉ० विनय गुप्ता (सहायक प्रोफेसर, हिन्दी विभाग) ने विश्व पुस्तक मेले में कॉलेज के लगभग 150 विद्यार्थियों को भ्रमण करवाया। शैक्षणिक भ्रमण के लिए कॉलेज ने शिक्षकों और छात्रों के लिए निःशुल्क बस यात्रा का प्रबंध

किया था । पुस्तक और छात्रों के बीच बुक रीडिंग हैबिट को बढ़ाने के लिए यह कार्यक्रम बहुत ही महत्वपूर्ण रहा । पुस्तकों से मिलना और उनसे बातें करना छात्रों के लिए सबसे सुखद अनुभव होता है । शैक्षणिक भ्रमण में सबके चेहरे पर मुस्कान और उत्साह था ।विश्व पुस्तक मेले में विद्यार्थियों ने खूब आनंद लिया ।





# **Centre for Disability Research and Training (CDRT)**

# Centre for Disability Research and Training

Convener: Prof. Someshwar Sati

The Centre for Disability Research and Training (CDRT) was established by the College in June, 2021, perhaps the first Centre of its kind in a college in India. Disability studies today is a rapidly emerging interdisciplinary field of academic inquiry. The Centre aims to broaden the knowledge base of disability studies within the Indian context by encouraging committed research in the area. The Centre also engages with all aspects of disability experience ranging from the sociology of the phenomenon, its representations in literature and culture, disability politics, policies, law and human rights, to accessibility, universal design, professional training and employment. CDRT thus has an aim of spreading awareness about disability within the campus and beyond and develop a culture of disability ally-ship in society.

If the year 2021-22 marked the laying down of a new centre and putting structures in place mainly through online academic and sensitisation events and the promotion of Inclusive Education Programmes on the College campus, the academic year 2022-23 was a year of consolidation and expansion. CDRT under its Project SANKALP signed 5-year MoUs with St. Xavier's College, Ahmedabad, Vasanta College, BHU and Arya Vidyapeeth College, Guwahati to help these institutions create within their respective campuses a centre like ours. Talks are on with Cotton University, Guwahati, Bhawanipur Education Society College, Kolkata, Khalsa College, University of Delhi and Ashoka University to forge similar collaborations.

There are many activities that encompass a wide terrain of varying engagement with disability- academic activities, sensitisation workshops and inclusive education programmes. In the academic year 2022-2023, the Centre organised a range of academic activities and awareness campaigns.

## ACADEMIC WORKSHOPS:

### **Drishtikon 2.0:**

CDRT organised a week-long workshop on Disability and Hindi Cinema, Drishtikon 2.0 from 4<sup>th</sup> to 9<sup>th</sup> July 2022. The workshop began as a curated series of interactive, audio-visual sets of events forming the foundation of disability and Hindi cinema. Although it was conducted online (zoom), there were 107 registrations, of which 88 succeeded in completing the workshop requirements. Participants submitted a 500-word abstract of which the best are intended to be collated as a book.

### **Inauguration of Project Sankalp with St. Xavier's College, Ahmedabad:**

Centre for Disability Research and Training, Kirori Mal College in collaboration with St. Xavier's College, Ahmedabad conducted a Speaker session by Professor Someshwar Sati for the Students and Faculty of St Xavier's College on 24th March, 2023 from 11 Am to 1 PM. Professor Sati gave insightful arguments about the Concept of Disability being a Social Construct, questioning the understanding of the term 'Disability' in the Contemporary world. The lecture was followed by a QnA session wherein students enthusiastically sought ways to become better allies to the disabled community and improve university spaces for them.

This event marked the inauguration of our collaborative Project Sankalp in partnership with St. Xavier's College, Ahmedabad.

### **STEM Project**

At present, the Centre is also undertaking a research project to study and analyse the various challenges and solutions related to visually impaired students' pursuit of STEM subjects. It involves a team of 15 students in total from the Physics, Chemistry, Botany and Zoology departments of the college working under the guidance of respective faculty members.

As part of this project, the team is in the process of attending and organising workshops on Accessible Content and use of Assistive Technology in Higher Education in collaboration with IIT Delhi. The objective of this project is to evolve a policy document that can be presented to the government so that higher education in STEM subjects could be made accessible to students with disability.

### **Sensitisation and Awareness Workshops**

#### **SAMBHAV: Yes We Can**

CDRT organised an awareness and sensitising simulation workshop, SAMBHAV: Yes We Can on 9th September 2022. The prime objective of this flagship event was twofold:

First, to promote the centre and disseminate information about its multifarious activities. For this purpose, an exhibition showcasing various initiatives and events organised in the previous academic year was assembled. Secondly, and more importantly, Sambhav aimed at creating an awareness about the day-to-day functioning of persons with disabilities and the challenges they face during routine activities. The Workshop included interactive activities like engaging with Indian sign language, tic tac toe, blind cricket and a treasure hunt.

#### **Awareness on Eye Donation**

On 13<sup>th</sup> September 2022, Centre for Disability Research and Training in collaboration with Prayas- The Enabling unit, Kirori Mal College and Saksham Inderprastha organised an awareness talk on Eye Donation. The Event was organised under the rubric of *Azadi ka Amrit Mahotsav* commemorating 75 years of India's Independence. The Speaker for the session was Dr. Noopur Pandey from Delhi Lions eye centre, New Delhi, who specialises in the field of Ophthalmology. She discussed the procedure of eye donation as well as the legal aspects of the process. The anatomy of eye transplantation and the challenges one might face during donation were discussed. The event succeeded in its goal of creating awareness and 38 participants signed a pledge to donate their eyes.

#### **World Investor Week Celebrations**

Kirori Mal College through CDRT and the Department of Commerce became the first college in the University of Delhi in joining the World Investor Week-2022 (WIW-2022) celebrations promoted by the International Organization of Securities Commissions (IOSCO) and co-ordinated by Securities and Exchange Board of India (SEBI) – the regulatory body of the securities market in the country. On 10th October 2022, the SEBI team from the Northern Regional office of SEBI comprising DGM, Sh. Gyanendra Neeraj, AGM, Ms. Nanu Kaur and Manager, Mr. Kunal Kishore Bharti visited Kirori Mal College and the event was launched in

joint collaboration with the Centre for Disability Research and Training (CDRT), Prayas-The Enabling unit and the Finance and Investment Cell of KMC. The objective was to make this celebration more inclusive and diverse and more than 100 students benefited from the interactive session organised by the delegation from SEBI.

### **Nazar Ya Nazariya**

On 3rd November 2022, CDRT, organised "*Nazar ya Nazariya?*", a disability sensitisation workshop conducted by Mr George Abraham, CEO, Score Foundation. The event included Film Screenings and a Q&A session. The Screenings featured real life stories of visually impaired achievers in the country. The session dealt with how stereotypes in society related to disabilities need to be broken. It aimed at questioning common perceptions and focusing on the immense possibilities of life with blindness.

### **Antarchakshu**

The series of Antarchakshu workshops with CDRT members proved to be a great success and so, the Centre for Disability Research and Training, Kirori Mal College in collaboration with XRCVC (Xavier's Resource Centre for the Visually Challenged), on popular demand repeated the workshop on 7th November 2022 and 9th November 2022 for the volunteers of the Enabling Unit of the college, Prayas. Conducted by Krishna Warriar from XRCVC the first day of the workshop, i.e. 7th November 2022, the participants were made to perform a series of activities like making a paper boat/plane/jet, drawing a heart with a pencil on a sheet of paper, pouring water from a jug into a glass and recognising currency notes with their blindfolds on. These simulation exercises gave the participants a peek into the lives of those who cannot see and experience sightlessness first hand. The second day of the workshop, i.e, 9th November 2022, was indeed an eye-opener and gave participants a glimpse into the lives of blind people enabling them to understand blindness and blind people through inclusive and egalitarian prism.

### **Sambhav 2.0: Yes We Can**

After a successful Sambhav: Yes We Can in September 2022, CDRT organised another awareness and sensitisation simulation workshop, SAMBHAV 2.0: Yes We Can on 6th February 2023. Sambhav 2.0 aimed at creating awareness about the day-to-day functioning of persons with disabilities and the challenges they face during routine activities. The workshop included interactive activities like musical chairs, cricket, football and chess with blindfolds on, displays of Canteen menu in Braille, teaching of English and Hindi alphabets in Braille and participants were also introduced to basic phrases in ISL.

### **Antarchakshu: An Awareness and Sensitisation Workshop**

On 15th February 2023, CDRT in collaboration with Xavier's Resource Centre for the Visually Challenged (XRCVC), St. Xavier's College, Mumbai (Autonomous) organised Antarchakshu: An Awareness and Sensitisation Workshop. Mr. Krishna Warriar, the resource person from XRCVC conducted a wholesome and engaging simulation workshop as an attempt to understand the experience of People with Disabilities. The simulation activities were followed by an interactive session.

### **The Big Lie: Not an Inspirational Talk on Disability**

On 18th March 2023, CDRT in association with SGTB Khalsa College, NSS, LAKSHAY presented *The Big Lie: Not an inspirational talk on disability*, for Lashkara'23. This theatrical performance laid stress on how society creates the stereotype of disabled people as either sub-human or super-human. The purpose of the play was to demystify these notions and present disabled people as being as human as any other human being possessing the same emotions and aspirations like you and me, therefore we should neither look at them with pity and content nor with a sense of awe and admiration. The play concluded with a plea for treating disabled people as human first and not just as disabled.

The intention of this performance was to create an inclusive ecosystem in which corporeal difference is not treated as a deviation or abnormality but just as another manifestation of human diversity that needs to be embraced and celebrated.

### **Device Distribution and Lecture on Assistive Technology for the Visually Impaired**

On 21st March 2023, CDRT hosted a lecture on 'Assistive Technology for the Visually Impaired' by Dr. Piyush Chanana from IIT Delhi. The Centre for Disability Research and Training aims to create a level playing field for students with disability on campus and provide them with a wholesome inclusive educational experience. 11 laptops, 2 refreshable braille displays and 2 daisy players were handed to Visually Impaired students of college.

### **Movie Screenings: Parde Ke Peeche**

Centre for Disability Research and Training (CDRT), Kirori Mal College in collaboration with Montage: The Film Society of Kirori Mal College, aims to provide a lens through films to explore and spread awareness regarding disability in movies.

#### *Parde Ke Peeche*

On 28th January 2023, CDRT held the screening of the celebrated movie, '*Me Before You*', an adaptation of the novel of the same name written by Jojo Moyes. The movie revolved around the story of a successful banker who as a result of a motorcycle accident becomes tetraplegic and his relationship with his female caretaker. While the movie on the one hand portrays the precarious foundation of able bodiedness and the porous nature of the divide between the able bodied and the disabled, on the other hand it transforms the disabled subject into an object of pity making the audience thank god that they are not disabled.

The discussion that followed the screening of the movie underscored the above points and questioned the way that ableist society others the disabled so that they themselves may feel good about their so called 'normal' bodies.

#### *Parde Ke Peeche 2.0*

On 23rd March 2023, CDRT held the screening of the 1997 drama movie, '*Sixth Happiness*', an adaptation of the novel of the *Trying to Grow* by Firdaus Kanga. It was followed by a discussion on the various aspects of disability explored in the film such as infantilisation, sexuality, masculinity, special needs vs specific needs and embracing diversity.

The academic year 2023 was highly fulfilling and saw CDRT expanding its footprints in educational campuses of the country. It came to our little surprise that Prof. Someshwar Sati, Co-ordinator, CDRT was conferred with national award on International Day of People with Disability by Hon President of India, Shrimati Draupadi Murmu on 3rd December 2022.

The year 2022-23 saw CDRT continuing its work towards the cause of creating a better world without prejudice and discrimination of any kind with the firm belief that *labels are for jars, not people.*



# Centre for Innovation and Social Enterprise

Convener: Prof. Roopinder Oberoi

CISE KMC organised a 3-day enthusiastic and boosting entrepreneurship course mentored by Prof. Bibhu Biswal, Design Innovation Centre, Delhi University on 18-20<sup>th</sup> April 2022. The course focussed on equipping the attendees with the 3 initial steps for setting up a successful business. The course kicked off with learning the essential components for setting up an enterprise then moved along with important stations like user research and immersion process and made the learners potential enough to lay out the business model for their ideas and then confidently pitch it too. Learning outcomes of the course:

Day 1: Problem Discovery, Innovation & Opportunity, Solution Discovery

Day 2: Prototyping and testing, preparing business model

Day 3: Management aspects, Business Canvas and Business Pitch

**1-6<sup>th</sup> MAY 2022:** Core Team formation for the session 2022-23

**25<sup>th</sup>-22<sup>th</sup> JUNE 2022:** Mid Semester Recruitments (Recruited 55 students across all streams and courses)

**26<sup>th</sup> JULY 2022:** Special lecture on Entrepreneurship, Innovation and Intellectual Property with Prof. Jay P. Kesan, Professor of Law at University of Illinois and Prof. Ram Singh, Director of Delhi School of Public Policy & Governance organised by CISE KMC and Delhi School of Public Policy and Governance.

**27<sup>th</sup> SEPTEMBER 2022:** Webinar on ‘Uncharted waters of Social Entrepreneurship’ with Shubham Maheshwari, founder of Being Chef India as the Chief Speaker.

**15<sup>th</sup> OCTOBER 2022:** ENSPIRE – ENTREPRENEURS INSPIRE US, the event included an interactive speaker session with the founder of Break the Ice and UN SDG regional officer, Palakh Khanna. The further proceeding included an interactive panellist’s session with Priyanka Madnani, Founder of Easy to Pitch; Manan Verma, Leading Engineer at PhysicsWallah, and Meghna Joshi, Founder of SWAN livelihood.

**10<sup>th</sup>-12<sup>th</sup> NOVEMBER 2022 :** Certificate Course and Workshop for 3 days on Social Innovation, entrepreneurship and Start-up, organised by CISE in collaboration with Design Innovation Centre, DU and Delhi School of Public Policy and Governance.

## THE OBJECTIVE OF THIS WORKSHOP WAS TO:

- understand the need and role of social enterprise/entrepreneurship models in current context.
- learn about innovative strategies in addressing critical concerns.
- provide an opportunity to identify with the challenges of not-for-profit, hybrid and for-profit social enterprises.
- examine how digital tools, indigenous technologies and innovation can be used.
- enable conceptualization of social innovation to be transformed into an executable plan.

**Speakers/Guest Lecturers:** Prof. Roopinder Oberoi, Professor, Kirori Mal College; Prof. Ram Singh, Director, DSPPG, IoE; Prof. Vibha Singh Chauhan, Principal, Kirori Mal College; Prof. Shoba Bagai, Director, Cluster Innovation Centre; Prof. Bibhu Biswal, Design Innovation Centre, CIC, Delhi University; Mr. Chirag Agrawal, Co-founder at TravClan, IIT Roorkee and IIMA Alumnus; Mr. Ajay Muttreja, Strategy Advisor, Global Think-tank, Mentor, Business Growth Expert Tecnova, Founder & Past President CEO Clubs Delhi; Prof. Pushpinder, Dept of Commerce, Kirori Mal College, DU; Dr. Bobby Luthra, Chief Researcher at Adiwasi Samta Manch(ASM), Deputy Director, Centre for Asian, African and Latin American Studies(CAALAS), ISS, Delhi, India; Ms. Vandana Tolani, Founder & CEO at Convanto; Prof. Jamie Halsall, University of Huddersfield, UK; Dr. Denis Hyams-Ssekassi, University of Bolton, UK; Prof. Ernest Christian Winful, Accra Technical University, Ghana; Prof. Michael Snowden, University of Huddersfield, UK; Mr. Siddharth Agarwal, Co-Founder at Evolverance, KMC Alumnus, Consultant at Dasra; Ms. Prachi Pal, Co-Founder at Evolverance, Consultant at Dasra, IDS Alumnus; Mr. Sagar Singhal, Associate Vice President, Amity Innovation Incubator, Amity University; Ms. Rupinder Kaur, Founder - She Codes; Mr. Abhishek Singh, US, Govt. IVLP fellow, Secretary General, Entrepreneurs' Association of India; Mr. Manoj Attri, Founder, Citiskape; Dr. UNB Rao, Ph.D. (IIT Delhi), IPS(Retd.), Founder and Chairperson of Urivi Vikram Charitable Trust (UVCT); Prof. Anita Kamra Verma, Professor, Kirori Mal College, Fellow, Delhi School of Public Health, IoE, DU; and Dr. Karuna Shree, Associate Professor, Kirori Mal College.

**7<sup>th</sup>-28<sup>th</sup> NOVEMBER 2022:** New Members' Recruitment (Recruited 90 candidates across all streams and courses)

**6<sup>th</sup> DECEMBER 2022:** Field Visit to Urivi Vikram Charitable Trust. CISE, KMC came across with Urivi Vikram charitable trust that works with the motive of transforming 'The Burden of Population' into an 'Asset of Human resources'. It was our immense pleasure that they shared their viewpoints and objectives with the members of the Centre. Through this visit, the Centre got utilitarian insights about their organizational goals. Team CISE took interviews and made a case study video on UVCT.

**23<sup>rd</sup> DECEMBER 2022:** CISE was presented as one of the best practices of the College before the NAAC officials during the 2<sup>nd</sup> cycle of NAAC ranking. Along with many other Societies, the Centre for Innovation and Social Enterprise portrayed a summarised presentation of its working, vision and goals to the NAAC Officials, who visited the College premises on the 19<sup>th</sup> & 20<sup>th</sup> December 2022. The Centre also lined up its previous events and projects in the form of an Annual Report. The officials commended the efforts of the centre towards social entrepreneurship.

**5<sup>th</sup> JANUARY 2023:** 'UNFURLING SOCIOPRENEURSHIP: A Seminar on the Theme of Mobilising Philanthropy was organised by CISE KMC with Raj Bhatt, Chairman of Elara Capital Plc. London. The Honourable speaker spoke with a goal to further propagate the idea of social entrepreneurship.

**24<sup>th</sup> JANUARY 2023:** Adding another momentous pearl into its chain of events, The Centre had an insightful seminar titled 'BREAKTHROUGH' Chapter 1- STRIVE with its special

theme ‘WOMEN IN ENTREPRENEURSHIP’ with one of the shining stars of the entrepreneurial sky Ms. Devapriya Khanna, Founder and Director, 212 Degree Brand Lab and Connexus Global, London on the special occasion of National Girl Child Day, 24<sup>th</sup> January.

**6<sup>th</sup> FEBRUARY 2023:** Seminar/Workshop on the Sustainable Entrepreneurship with Manil Agarwal, Founder of Sustenable and Monish Sirirapura, Founder of Ant Studio. The Guest speakers laid out the principles of the mutating ambience of the business world. The discussion revolved around how sustainability is not just a cherry on top of the cake anymore but an essential part of the model building process. The students were also deeply taught about the PPP (People, Planet and Profit) model which surely left an indelible impression of the importance of balance in the minds of the students.

**20<sup>th</sup>-21<sup>st</sup> MARCH 2023: ENCEPTION‘23: THE ANNUAL FEST OF CISE (KMC)**

Commemorating 3<sup>rd</sup> Anniversary of the Centre for Innovation and Social Enterprise, the Team successfully organized its Annual two day Mega Fest Enception‘23 – ‘Inception of Innovation’, on 20<sup>th</sup> & 21<sup>st</sup> March 2023. On 20<sup>th</sup> March 2023, the day started with the inaugural ceremony witnessing the announcement of fellowship opportunities to be offered by Ashraya Foundation in collaboration with CISE to 100 Students of Delhi University to work on their start-up ideas. The eminent personalities from the academia and the field of Social entrepreneur inaugurated the event. CISE had the honour of having Mr. Satish Jha, Entrepreneur and Investor, The Jha Group and Jha Energy, Prof. Dinesh Khattar, the Principal of the College, Prof. Ram Singh, Director Delhi School of Public Policy and Governance, Institute of Eminence, Delhi University and Dr. Rajeev Gupta, CEO, Institute of Eminence in the inaugural ceremony.

The first Annual magazine of CISE ‘Persona’: People of Profit was also launched on this grand day. ‘Start-up Expo’ was the centre of attraction for the students. It proved to be an opportunity for a number of people who may present their ventures, varying from start-up stalls like Cream on wheels to popular food stalls like Mitron Da Nukkad to organisations like SWAN, Goonj, Tweet Foundation, and Robin Hood Army. It also proved to be an opportunity for endless networking and a chance to meet amazing people and figure out for the passers-by, especially what differentiates an entrepreneur from the crowd.

During the day, there was a panel discussion titled ‘All about Start-Ups’, the theme of the discussion focussed on importance of Community Building, People, planet and profit concerns in ventures, Innovation in ideas and a lot more about start-ups. Just like the vibrant theme of the discussion, the panel featured a number of renowned personalities who gave insights on different significant aspects of start-ups. They were like Mr. Nitesh Singh, Co-founder Blue Tea India; Ayush Kansal & Pratibha Chaudhary; Robins from Robin Hood Army; Dr. Praveen Pachauri, Chairman, UPID, Govt. of UP; Ms. Kriti Singhal, Co-founder, The Education Tree & Orenda; and Mr. Shiv Shankar Goel, Secretary & Co convenor, Udhyaam Bharat Manch, Delhi State. The discussion was a structured process of brainstorming and exchange of ideas and information.

On 21<sup>st</sup> March 2023, the second day of the Fest featured the first ever idea pitching and

validation competition organised by CISE ever titled 'Kairos'. The competition received responses not only from Delhi University, but also from the Central University Haryana. Participants presented their budding innovative entrepreneurial ideas before the experienced jury of Dr. Jai Kishan Garg, Entrepreneur & Founder, Star India Foundation & Delhi State Member, Arogya Bharti, Dr. Ramesh Barpa, Ph.D. in Social Entrepreneurship, Author, Educator, Faculty at SSCBS, DU, Shiv Shankar Goel, Secretary & Co-convenor, Udhyam Bharat Manch, Delhi State, and Prof. Roopinder Oberoi, Convenor, Centre for Innovation and Social Enterprise.

The winners were presented with gift hampers, scholarship ticket to Singapore, certificates from CISE as token of appreciation. The judges provided feedback, and valuable advice to the participants for their potential ideas. The evaluation criteria for the pitches varied, but they typically included factors such as innovation, market potential, scalability, team capabilities, and the overall viability of the business idea.

Every good event needs to have a better ending and the mega fest Enception'23 went out with a blast, the most awaited last event 'Open mic'. A number of enthusiastic participants from numerous colleges across the entire University performed with what their heart spoke to them. There were dance, drama, music, comedy etc. The winners were encouraged with certification as a token of encouragement.

#### **NEW ASSOCIATIONS/COLLABORATIONS IN THE SESSION 2022-23**

- Meeting with Mr. Siddharth Agarwal and Mrs. Prachi Pal Agarwal, Founder of Evolverance, Consultant at Dasra and a KMC Alumni and as a Mentor for the Centre
- MoU of Collaboration with Amity Incubation Centre
- MoU for free mentorship with Easy2Pitch
- Meeting with Bihar Entrepreneur's Association

#### **ACHIEVEMENTS IN THE SESSION 2022-23**

- Fellowship worth Rs. 1Cr to 100 Students of Delhi University in collaboration with Ashraya and The Jha Group
- Launch of the very first edition of the Annual magazine 'Persona'
- Successful organisation of 3 Days' Certificate Course at Design Innovation Centre
- Successful organisation of the first edition of its Annual Fest 'Enception'
- Hosted more than 30 Guest speakers from India as well as abroad

### **180 Degrees Consulting**

180 Degrees Consulting is a non-profit and social entrepreneurship consulting Firm. This Firm assists businesses in expanding and finding solutions to their difficulties. It is a student-run Firm that provides high-quality, low-cost consulting services to socially aware enterprises all around the world. The Firm collaborates with businesses to create innovative, practical, and long-term solutions to their problems. It aims to provide high-quality experiential learning to students through consulting engagements at 180 Degrees Consulting Kirori Mal College. The Firm works to turn good organizations into great organizations, challenges into opportunities, and ideas into

reality. Throughout the tenure, the consultants of the Firm were focused on positive transformation in transforming organizations and, in turn, transforming lives.

### **Client Onboarding and Firm's Services**

180 Degrees Consulting has a comprehensive client acquisition process. For effective acquisition, clients were contacted through email and LinkedIn as well. Four clients showed interest in one collaboration. KLNA and PruVisor became the organization's next clients, KLNA, an NGO that aims to provide support to vulnerable families in Lebanon, became the first international client and then Secure Learning, an EdTech start-up that caters to the CBSE curriculum from Kindergarten to Class XII was successfully acquired. The Firm's team helped the clients with the following services – Fundraising Strategies, Marketing Strategies, Social Media Strategies, Competitors' Analysis, CSR Pitch Deck, Mobility Sector, Ed-Tech Sector, Product Feasibility Study, Content Management, and Insurance & Banking.

### **Workshops and Sessions**

Samarth Kalra, the Senior Consultant, conducted a workshop on Marketing and Outreach for the newly recruited Junior Consultants. The workshop's primary objective was to elucidate the basics of making a database and cold calling to the Junior Consultant. On 19<sup>th</sup> February 2023, Yashasvi Saklecha and Poorva Narang, the Senior Consultants, organized a workshop on the basics of Canva to acquaint all the recruits with the software since it is extensively to be used for all their works. The other Senior Consultant Gaurisha Prakash acquainted the members with various extensions that are applicable on LinkedIn to avail the contact details of different potential clients and/or sponsors. The Client Services Directors, Samarth Kalra and Gaurisha Prakash took a session or workshop on the Cold Calling for all the members. They explained the essence of client acquisition i.e. explanation of the service the Firm provides while also appealing to the needs and requirements of prospective clients.

Seniors Consultants of the Firm conducted a 'Client Services Department Workshop' for Junior Consultants. The Workshop acquainted them with past projects, the nature of work done and the impact created. On 22<sup>nd</sup> November 2022, Pratyush Vij, Vedansh Yadav, Dhruv Kapoor, and Poorva Narang, the Senior Consultants, organized a Case-Solving Workshop to acquaint the candidates for the next round of the recruitment process which was the case study round. Session on Start-up & Social Entrepreneurship, Centre For Innovation and Social Entrepreneurship (CISE), in collaboration with 180 Degrees Consulting (KMC) organized a course workshop on Start-up and Social Entrepreneurship' for the senior consultants to help the consultants in gaining an understanding of the concept and nuances of startup and entrepreneurial ventures through various dimensions and lenses. A speaker session on decoding interview preparation was organized by 180 Degrees Consulting in collaboration with SEEKHO. Dhairya Gangwani, an electronics and Communication Engineer, turned Management Consultant, who also worked as an SAP Associate Consultant at KPMG, was the speaker for the session. Held online on 29<sup>th</sup> October 2022, the session focused on preparing the students for their placement and making them confident enough to face the interviews.

On 19<sup>th</sup> & 20<sup>th</sup> December 2022, the National Assessment and Accreditation Council (NAAC) team visited the College campus to evaluate the overall performance of College in all the

spheres. On their arrival, the junior and senior consultants of the Firm were present to give them a warm welcome. The convener explained how 180 DC provides the much-needed consultancy services to achieve success in these entrepreneurial quests. The NAAC team was impressed by the vision of 180 DC as well as the projects undertaken by the team in the past two years. They complimented the team for its professionalism and dedication. The Firm received valuable pieces of advice from the NAAC panel along with constructive criticism regarding its functioning. The NAAC visit to the Firm turned out to be a successful event.

180 Degrees Consulting successfully conducted its Orientation Program for senior as well as junior consultants. The session introduced the consultants to the core team of 2021-22 and acquainted them with several services, major departments, mentors, rules and regulations of the organization. The Firm further organized a session on ‘Cracking Case Interview Rounds: The Placements Edition’ with Ms. Kalyani Sharma, a Research Analyst at Avasant - A global Management Consulting and Advisory Services organization. She is an alumna of the College and also an ex-Niti Aayog intern. With her experience of winning multiple national-level case competitions, she gave an overview of the world of consulting and walked the attendees through the hiring process of consultancy organizations.

### **IGNITE 180: Flagship Event**

180DC (KMC) successfully organized its flagship event Ignite 180 in the first week of September 2022. The event was organized in two parts that included a case study competition and speaker sessions. The great panel of speakers included Mr. Prafull Garg, the Founder and CEO of Younity, and Mr. Chirag Agarwal, the Co-founder of TravClan. The case study competition was organized by the Firm with an aim to challenge and assess the candidates on their ingenuity in solving real-world problems to achieve sustainable and creative solutions. This competition was held in 3 rounds: the first one was a quiz round which was held online after the selection of 31 teams out of 340. Then a case study was provided to the shortlisted teams. And the last round was Presentation Round which was held in the College’s premises.

### **Road Ahead**

The vision of 180 DC, KMC is to make a prominent name in the Indian Circuit. The Firm aims to leverage the impact of Covid on patterns of entrepreneurship in India to our benefit by onboarding various socially conscious start-ups. The first step in the direction of growth would include rebranding the client acquisition process to onboard quality clients both in the domestic and international space. The primary motive is to work towards creating an enhanced social impact. The Firm aims to level up the brand value of the KMC branch and build a strong presence of the Organization in our domain. This will be achieved by taking up various new initiatives that will allow the Firm to expand and provide better quality services to the clients. Having a well-synchronized team of dedicated and hardworking consultants is of utmost importance and multiple sessions and initiatives will thus be taken to achieve the said objective and create a steep learning curve for them. All this while, the Team will continue to network and establish contacts with various organizations like CISE and various other consulting organizations so that it may arrange training and mentorship sessions for the team as well as for other college students on the topics like design thinking, financial forecasting, etc.

## ENEUR: The Entrepreneurship Cell

ENEUR: The Entrepreneurship Cell of Kirori Mal College is a conglomerate of individuals, which aims at inducing an entrepreneurial mindset and an innovative streak among the students. It is a haven for those who prefer to forge their own paths and believe in leaving a legacy in all walks of life. The cell aims to manifest the latent entrepreneurial spirit of young students. ENEUR's Academic Year started on 22<sup>nd</sup> May 2022, with the declaration of the Core Team and with a spirit filled with the desire to excel, reach new heights, and overcome all obstacles.

The highlights of the academic year 2022-23 begin with ENEUR's premium event, the E-Buzz, which included a Pitch Deck competition, 'Pitch Perfect' and a number of speaker sessions by renowned industry experts and entrepreneurs. It provided an opportunity for all aspiring entrepreneurs to present their startup ideas before some extremely knowledgeable judges. The speaker sessions assisted the audience in facing the realities of the entrepreneurial world by highlighting the possibilities and challenges in the entrepreneurial world by making a strategy to deal with the problems that come on their ways.

The event E-Buzz was conducted from 11<sup>th</sup> October 2022 to 14<sup>th</sup> October 2022. On the 11<sup>th</sup> October, Pitch Perfect's prelims was conducted through the platform of D2C. The students with a startup idea submitted their ideas in Pitch Perfect's Prelims. On the 13<sup>th</sup> October 2022, Mr. Amit Pandey, who is the CEO and Board Director of Pincap and the Founder and Chief Mentor of Super77, was invited to present a session on the topic of 'Tailoring Life Skills'. Mr. Ashutosh Kashyap, a Co-founder of Degenerates and a TEDx speaker, spoke on the same day on the topic 'Growing Synergies between Investment and Startup'. The final day of E-Buzz was concluded with the Mains of 'Pitch Perfect' in which participants pitched their business ideas to a panel of judges, including Ms. Vandana Tolani (CEO and founder of Convanto), Mr. Saurabh Trivedi (Founder of IP Samadhan), Ms. Heena Arora (Founder and MD of Fundvice), and Mr. Sarthak Ahuja (Startup Advisor and ISB Gold Medalist '17). The prize pool was set at Rs. 3.5 lakhs (INR) for the winner. There were participants from various universities across the country like IIT Kharagpur, IIM Bangalore, NSUT etc. With the indefatigable endeavours and dedication of the team members, the event turned out to be a huge success.

After conducting a successful event, the Cell began its recruitment process for the session 2022-23 after conducting a rigorous and extensive 3 rounds of interviews, selected around 60+ eager students with interest in entrepreneurship and a desire to view themselves as budding entrepreneurs in the coming years. The heads of these different departments held sessions to explain their duties and the work to the newly hired junior executives.

The Cell organized its first intra-cell event of the session namely 'Business Brain Battle'. The Business Brain Battle event took place on 17<sup>th</sup> February 2023. The first round of 'Business Quiz' was a rapid fire round that tested the general business acumen of the participants. Then, in round 2, each team had to pitch a business idea from the segment that was allotted and selected. After the competition, the winning team was announced, and each

of its members was awarded a certificate of achievement for his/her outstanding performance, and the team as a whole was presented with a cash prize of Rs. 1.5k. On 5<sup>th</sup> February 2023, the Cell organized a CV Building session with one of its mentors Ms. Nutan Mishra, the human resources manager at Paperpedia Pvt. Ltd. The session was about how a CV plays an important role during an interview.

Another major highlight of this academic year has been the 'Startup Fair: Ride the Wave of Innovation', which was organized by the Cell on 12<sup>th</sup> April 2023. In this event, various startups represented their products to the crowd, followed by a speaker session by Himani Chaudhary, who is a fintech creator. Thereafter, an open mic competition was held in which all the talented students showcased their singing, dancing and recitation skills. Open Mic had two special performances: one by the mentalist Namam Khanna and another by the singer Ajitanshu Kumar. The purpose of the startup fair was to provide a platform for students based startups and entrepreneurs to showcase their creativity and ideas.

The Guest Speaker Ms. Himani Chaudhary shared her insights about startups and the corporate world, and provided practical guidance about how to choose startups or corporates as the future career. The Fest featured 15+ startups to showcase their products and services. The stalls of the startups were well-received and had a whooping footfall of 2500+ audience. Various investors also visited all the startup stalls to invest in various startups. The event provided a platform for startups to gain exposure and recognition, with many startups benefiting as a result of their participation in the fair.

The Open Mic also featured around 25+ participants who performed in various categories including music, poetry, and dancing out of 200+ entries. The Cell raised funds of about Rs. 40,000/- from sponsors, which was used to fund the event. The attendees really appreciated the diverse range of events and activities that catered to different interests. Everyone on the team worked tirelessly day and night to make the Fest a huge success.

This year, the Cell also successfully collaborated with two renowned live projects – Metvy and Innox Park Ventures. These live projects assisted members in enhancing their efficiency while acquiring new skills. Through these live projects, the Cell also received an amount of Rs. 2700/-.

In spite of all the vicissitudes, the Cell has continued to learn a lot and gain many experiences this year. ENEUR is glad for everyone who helped it achieve great accomplishments and made each moment special. ENEUR's goal is to inspire individuals to think, create and accomplish extraordinary things in order to spark ideas and empower businesses, and to fulfill this, it tries its best to provide great learning opportunities to its members.





# Sports

## Sports Activities

**Teacher-in-Charge: Dr. Pramod C Sharma; Convener: Dr. Pradyumna Kr. Sethy**

Boxing Federation of India (BFI) in collaboration with Sports Authority of India (SAI) organized IBA Women's World Boxing Championships, New Delhi 2023 (WWBC2023) from 15<sup>th</sup>-26<sup>th</sup> March 2023 in K. D. Jadhav Indoor Hall at Indira Gandhi Stadium New Delhi. Volunteer management is a crucial part of organizing any event, and the WWBC2023 was no exception. The event was a huge success, and volunteer management played a significant role in making it happen. This most crucial part was completely managed by our College as knowledge partner to Volunteers WWBC2023. This was under the leadership Prof. Benu Gupta, Director Volunteer & Protocol, the Core team comprising Coordinator Mr. Aditya Prakash, Mr. Abhishek Kr. Gupta, Mr. Madhukar Raj, Mr. Vishal Gaurav and Ms. Jagriti Sharma.

Team received more than 1000 applications which were screened first at the respective institutional level and then were asked to register as aspirant volunteer. Second level screening was done by the Expert Panel, followed by the training of shortlisted volunteers. After training, 300 volunteers were finally selected for the induction to the Organizing Committee out of which 274 marked themselves as successful volunteers of BFI/ Vol. 2023. With the support of the Principal Prof. Dinesh Khattar, Teachers, Hostel and College Staff, total 37 KMC students served in different key capacity to make this event a grand success out of which 04 students were involved in the coordination of entire work: They were: Aditya Prakash: LOC Volunteer Coordinator Staff, Abhishek Kr. Gupta LOC Volunteer Management, Madhukar Raj LOC Volunteers Management, and Gorish Pujani: LOC Teams Coordination Volunteer.

### Achievements 2022-2023

#### **Achievements in Basket Ball:**

1. Maitreyi College - Winners
2. Motilal Nehru College - Winners
3. Ashoka University - Winners
4. O.P. Jindal Global University - Runner ups
5. NBA Academy - Runner ups
6. VIPS, IP University - Winners
7. Aryan Khokher - Inter University North Zone Basket Ball Championship
8. Mohammad Anas - Junior National Basketball Championship

#### **Achievements in Hockey (North Zone University):**

1. Vishal Chaudhary
2. Dhruv Dahiya
3. Hardik

**Achievements in Boxing:**

1. Gorish Pujani (B.Com.(Prog.) 3<sup>rd</sup> Year)
  - 2<sup>nd</sup> position in Third Elite Men Haryana State Boxing Championship 2022 in 57-60 kg weight category held at Faridabad from 11<sup>th</sup> to 14<sup>th</sup> December 2022.
2. Yash Phare (B.Com.(Prog.) 3<sup>rd</sup> Year )
  - 3<sup>rd</sup> position in Forty Third Elite Men Delhi State Championship 2022 in +92 kg weight category
3. Sanjana (B.A. (Hons.) Political Science)
  - 3<sup>rd</sup> position in KHELO INDIA YOUTH GAMES, represent Delhi in 48 kg weight category.
  - 2<sup>nd</sup> position in YOUTH NATIONAL BOXING CHAMPIONSHIP.
  - 1<sup>st</sup> position in Delhi State (Youth) Boxing Championship.

**Achievements in Chess:**

1. Dr. BHARAT RAM SPORTS CHAMPIONSHIP
  - 1<sup>st</sup> position in Men's Team Events
  - 3<sup>rd</sup> position in Women's Team Events
2. BEST COLLEGE IN CHESS MEN'S CATEGORY
  - a) Individual Achievements
    - Samarth Mittal - 1<sup>st</sup> position
    - Aishwarya Daniel - 1<sup>st</sup> position
    - Ayushi Gupta - 2<sup>nd</sup> position
  - b) Inter-college Chess Championship
    - 4<sup>th</sup> position in Men's Event
    - 5<sup>th</sup> position in Women's Event
    - Aryan Garg – 2<sup>nd</sup> position on Board No-2
  - c) Boys Chess Championship (SRCC)
    - 5<sup>th</sup> position in Open Category

**Individual Achievements:**

1. Aryan Garg
  - 2<sup>nd</sup> position In En passant Chess Tournament
2. Daaksh Jain
  - Prize Holder Rank 62/1549 In Olympiad Torch Run International Open Chess Tournament
3. Shilpi Rana (B.A. (Hons) English, 2<sup>nd</sup> Year)
  - Gold medal in Triple Jump in State level Championship held at JLN Stadium

4. Aditya Prakash (B.A. (Hons.) Political Science, 3<sup>rd</sup> Year)
  - Participated north east zone inter university Athletic championship 2022-23, 20<sup>th</sup> to 23<sup>rd</sup> December 2022.
  
5. Jaidev Dikka (B.A. (Prog.) 2<sup>nd</sup> Year)
  - North Zone Karnal - 2<sup>nd</sup> position (silver)
  - 37<sup>th</sup> Junior National Athletic Championship - 3<sup>rd</sup> position (bronze)
  - Annual Delhi State - 2<sup>nd</sup> position (silver)
  - Delhi State Athletic Championship - 1<sup>st</sup> position (gold)
  - Delhi State Junior Athletic Championship - 1<sup>st</sup> position (gold)
  - Delhi State Athletic Championship February - 2<sup>nd</sup> position (silver)
  
6. Ritik Malik (B.A. (Prog.) 3<sup>rd</sup> Year)
  - Indian Grandprix 2 (Thiruvananthapuram), 100m (bronze)
  - Delhi State Athletic Meet 2022, 100m (silver)
  - Delhi State Athletic Meet 2023, 100m (silver)
  
7. Bipasha Singh
  - World Power-lifting Championship – Bagged overall bronze medal held at Turkey (Istanbul) in 52 kg category
  - Asian Power-lifting Championship - Bagged overall gold medal in 52 kg category
  - National Power-lifting Championship-Bagged overall gold medal and created two new national records in 52 kg category
  
8. Ruchita (B.A. (Prog.) 3<sup>rd</sup> Year)
  - Participating during University selection at University Sports complex
  - Bronze medal in MIRANDA HOUSE Inter-college Physical Education and Sports fest





## Annual Day Report Drafting Committee 2022-23 (Group Picture)



## Annual Day Report Drafting Committee 2022-23

### Convener

Dr. Praveen Kumar Anshuman (English)

### Co-convener

Dr. Mujeeb Ahmad Khan (Urdu)

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Dr. Maneesh Kumar Dubey (Statistics)

### Annual Report designed by

Mr. Vishal Dhawan  
Assistant Professor  
Department of Mathematics  
Kirori Mal College, University of Delhi









# **KIRORI MAL COLLEGE**

**(University of Delhi)**

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