

# DAV COLLEGE

SERVING EDUCATION SINCE 1958

(A Post-Graduate Co-Educational Institution)

(Accredited with 'A' Grade by NAAC)

SECTOR 10, CHANDIGARH



## ANNUAL REPORT 2022-23

- (A) NAAC Accreditation: Cycle 1: A+ & Cycle 2: A**
- (B) INDIA TODAY - All India Rankings Arts-38, Science-37, BBA-42, Commerce-46, BCA-21**
- (C) OUTLOOK - ICARE - City Rankings BCA and Arts - 1st, BBA & Commerce - 2nd**
- (D) OUTLOOK - ICARE - All India Rankings BCA - 11, Arts - 41, BBA - 45, Commerce - 48**
- (E) Best College in Sports - Won the Panjab University Sir ShadiLal Shield for General Excellence in Sports more than 30 times**
- (F) NIRF Ranking 2022 - Ranked Amongst 150-200 (Rank Band PAN India)**
- (G) Selected under 'FIST Program' by DST, New Delhi**
- (H) DAV COLLEGE RANKS SECOND FOR ARTS, BCA & BBA AND THIRD FOR SCIENCE & COMMERCE COURSES IN CHANDIGARH (INDIATODAY, 2022)**



## *Chief Guest*

**Ms. Kanwardeep Kaur (IPS,)**  
SSP, Chandigarh

**A**s an institution, DAV College has always embodied an unmatched dynamism. The perfect balance of tradition and novelty is thoroughly palpable in the ambience - while the bountiful wisdom of our scriptures adorns the college decor, the green campus sparkles with the vitality of the vigorous youth. One can't but become one with the mesmerizing aura that pervades the campus.

DAV is an idea that bloomed into a marvel. An idea is where it all begins - an idea to foster a wholesome personality, a wish to look forward to the challenges and yet, give back to the society, an aim to think beyond the box and chase one goals - an idea is all it takes for the world to become greater each day.

Today, the graduating and postgraduate students of DAV college march out into the world, with their achievements tucked under their belts and their heads high with not only the legacy of their prestigious college, but also the hopes of their worthy teachers and parents. As their faces beam with the well-deserved delight, I wish them the best of luck to pursue their prospective dreams and ambitions. With the blessings of the Almighty, the talent of these young minds shall chisel the future into visions of creativity and success.



## *From Principal's Desk*

**Prof. Rita Jain**  
Principal  
DAV College Chandigarh

**F**ostering imagination and inspiring novelty are two of the pillars on which the edifice of a successful education stands firm. DAV college believes in not only achieving heights of socially-beneficial development, but also in motivating and incentivizing our young students. Progress need not be inclined like a mountain; sometimes, progress is walking in a straight line, sitting on a bench, and planning the next milestone – true progress is organic to one's being. Partaking in the spiritual calm and harmonious sanctity exemplified by the principles of Arya Samaj, the college believes that real development lies in acknowledging the role that we have in bettering ourselves, in being cognizant of that, which lies within us and without and above all, fulfilling our role in being true citizens of the world.

I believe that the past year, like many others before it, our students have exhibited the signs of such genuine progress. These, and the diverse achievements of our students is what we celebrate heartedly. We acknowledge their unfathomable contribution to the legacy of DAV College through the most profound, most poignant, yet simplest of ways – recognition and felicitation.

An award is a bookmark, a marker of not only success but a reminder of all that one has in store for their future. But victories and achievements do not just manifest in vacuum. They require hard-work, perseverance, sacrifice, and proper guidance. It becomes imperative to walk hand-in-hand with the transformations inhabiting the field of education on a global level. Dear students, we pledge to ensure that your aspirations and expectations apropos your future be aptly recognized, encouraged and fulfilled, by providing the very best facilities and resources. We promise to hone the skills you possess and prepare you for handling life to the best of your abilities-- be it gracious, humble acceptance of victories, or respectful, thoughtful acknowledgment of failure.

The college boasts a truly spectacular array of highly dedicated faculty that sport an enviable expanse of knowledge and qualification. Through such a striking faculty, we offer highly-competitive courses in the fields of Humanities, Commerce, Computer Sciences, Basic Sciences, and Management. More than just a place to acquire and disseminate knowledge – a place to acknowledge and nurture talent – DAV College harbours a proclivity for creating and maintaining the competitive fighting-edge required to leave one's mark in the history of the world. I congratulate, whole-heartedly, all the students, scholars, college-groups and their supervising faculty, who have dedicated their heart and soul towards the benefit and nurture of our students and their skills, and towards bringing laurels to our esteemed college, from far and wide.

## ACHIEVEMENTS IN ACADEMICS



*Our Achievers  
They Make Us Proud*



Bsc 3rd Sem 1st  
Puneet Kaur



Bsc Biotech Hons 1st Sem 1st Rank  
Sanampreet Kaur Makkar



Bca 1st Sem 1st Rank  
Diya Narang



Pgdmm 1st Sem 3rd Rank  
Aditi Prashar



Msc Biot 1st Sem 2nd Rank  
Sejal Goyal



Ma Pub Ad 3rd Sem 2nd Rank  
Shalini



Ma Sociology 3rd Sem 3rd Rank  
Avneet Kar



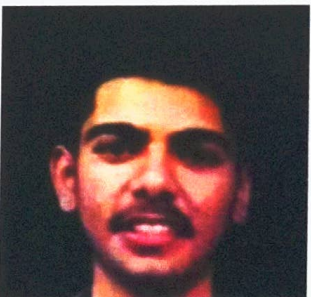
Msc Chm 1st Sem 1st Rank  
Sakshi Hetta



Bsc Biot Hons 1st Sem 2nd Rank  
Divya



Msc Biot 1st Sem 3rd Rank  
Harshita



Ma Pub Ad 3rd Sem 3rd Rank  
Madhav Gumber



Ma Pub Ad 1st  
Nancy Garg



Ma Pubad 2nd  
Akhil Pratap



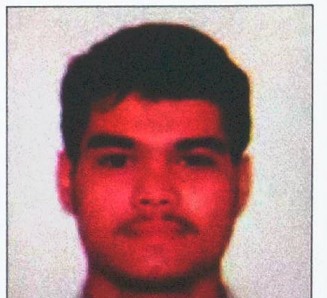
Ma Pubad 3rd  
Aditi Parashar



Msc Biot 3rd  
Ayush Berry



2nd Mcom Be  
Sakshi Garg

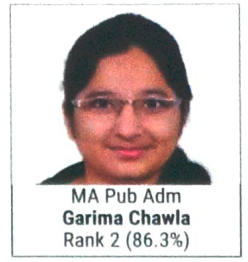


Pgdmc 2nd  
Manoj Pandey

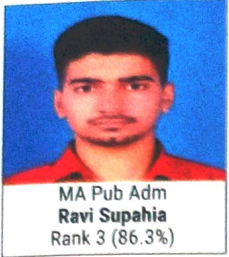
# University Toppers



MA Psychology  
**Diksha Chandel**  
Rank 10 (86.1%)



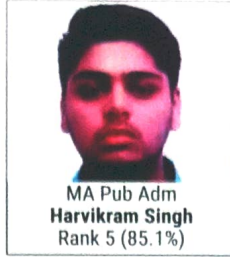
MA Pub Adm  
**Garima Chawla**  
Rank 2 (86.3%)



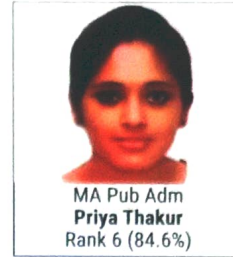
MA Pub Adm  
**Ravi Supahia**  
Rank 3 (86.3%)



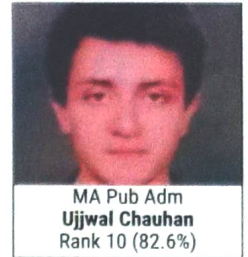
MA Pub Adm  
**Namrta Sharma**  
Rank 4 (85.4%)



MA Pub Adm  
**Harvikram Singh**  
Rank 5 (85.1%)



MA Pub Adm  
**Priya Thakur**  
Rank 6 (84.6%)



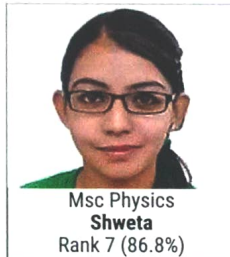
MA Pub Adm  
**Ujjwal Chauhan**  
Rank 10 (82.6%)



MA Sociology  
**Diana Soubam**  
Rank 9 (84.6%)



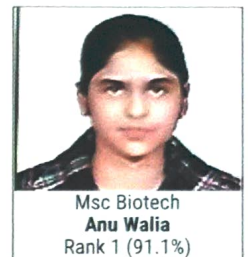
Msc Chemistry  
**Jaipreet Singh**  
Rank 10 (89.1%)



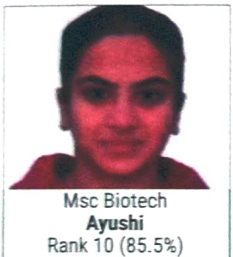
Msc Physics  
**Shweta**  
Rank 7 (86.8%)



Msc Zoology  
**Ritika Shandil**  
Rank 9 (93.2%)



Msc Biotech  
**Anu Walia**  
Rank 1 (91.1%)



Msc Biotech  
**Ayushi**  
Rank 10 (85.5%)



Mcom (BE)  
**Gurusha**  
Rank 3 (83.7%)



Mcom (BE)  
**Geetika jain**  
Rank 4 (83.1%)



Mcom (BE)  
**Surabhi Chawla**  
Rank 5 (82.7%)



Mcom (BE)  
**Aditi Bansal**  
Rank 6 (82%)



Mcom (BE)  
**Raveesha Dhiman**  
Rank 7 (81.2%)



Mcom (BE)  
**Deepti Sharma**  
Rank 8 (80.3%)



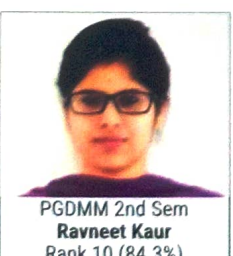
Mcom (BE)  
**Jagriti**  
Rank 9 (80.1%)



Mcom (BE)  
**Anchal Gupta**  
Rank 10 (80%)



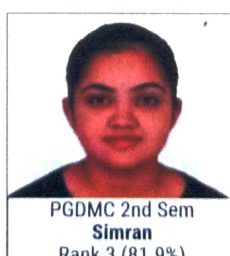
PGDMM 2nd Sem  
**Tanvi Mehta**  
Rank 8 (85.2%)



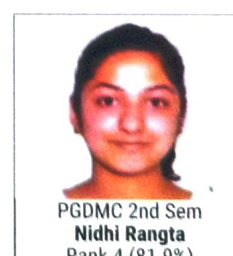
PGDMM 2nd Sem  
**Ravneet Kaur**  
Rank 10 (84.3%)



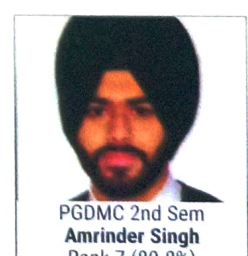
PGDMM 2nd Sem  
**Surabhi Singh**  
Rank 2 (82.9%)



PGDMM 2nd Sem  
**Simran**  
Rank 3 (81.9%)



PGDMM 2nd Sem  
**Nidhi Rangta**  
Rank 4 (81.9%)



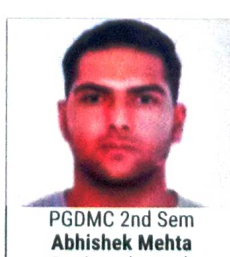
PGDMM 2nd Sem  
**Amrinder Singh**  
Rank 7 (80.8%)



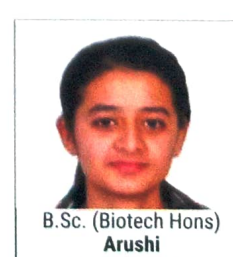
PGDMM 2nd Sem  
**Shruti Chauhan**  
Rank 8 (80.7%)



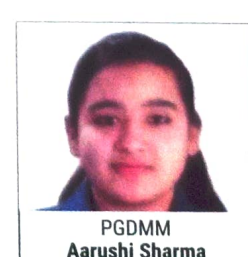
PGDMM 2nd Sem  
**Nisha**  
Rank 9 (80.2%)



PGDMM 2nd Sem  
**Abhishek Mehta**  
Rank 10 (79.2%)



B.Sc. (Biotech Hons)  
**Arushi**  
Rank 1 (90.8%)



PGDMM  
**Aarushi Sharma**  
Rank 3

## ACHIEVEMENTS IN SPORTS (2022-23)

The College has preserved its rich sports legacy of excelling in sports both at the International and National level competitions and also in the Panjab University Inter College Championships both in men and women sections this year as well. To date; in boys' section, the College has won 7 Championships, 5 Runners' up positions and 3 Third positions in different individual and team sports whereas in Girl's section the College has won 3 Championships, 1 Runners' up position and 1 Third position in the various sports disciplines.

### INTERNATIONAL ACHIEVEMENTS

Manu Bhaker represented India in the ISSF World Championship held at Cairo, Egypt from 12th to 28th, October, 2022 and won Silver Medal. She also represented India in the 15th Asian Air Gun Championship held at Daegu, Korea in November, 2022 and won 2 Gold Medals in her respective events.

Vijayveer Sidhu represented India in the ISSF World Championship held at Cairo, Egypt from 12th to 28th, October, 2022 and won Individual Bronze Medal. He also represented India in ISSF World Cup held in Korea from 9.7.2022 to 21.7.2022 and won the team Silver Medal. Again he participated in 15th Asian Air Gun Championship held at Daegu, Korea in November, 2022 and won 2 Gold Medals and 1 Bronze Medal.

Sarabjot Singh and Adarsh Chaudhary participated in the ISSF World Cup held at Egypt in February, 2023.

Surya Pratap Singh Banshtu won team Bronze Medal in ISSF World Junior Championship held in Cairo, Egypt in October, 2022.

Udhayveer Sidhu represented India in the ISSF Junior World Cup held at Egypt in October, 2022 and won 2 Gold and 1 Bronze Medals.

Prithvi Raj Chouhan won Silver Medal in the 3rd Mount Everest open Taekwondo Championship (G-2) held at Pokhara, Nepal from 19th to 25th September 2022. He also participated in Chuncheon Korea Open Taekwondo Championship 2022 held in South Korea.

Deeksha participated in the World Ranking G2 UAE 10th Fujairah Open International Taekwondo Championship-2023 held at Fujairah, UAE from 5th to 8th February 2023.

Hardeep Kumar and Deeplak Rohilla represented India in the World Junior Athletics Championships held at Cali, Colombia in the year 2022.

Lalit Kumar Bist participated in the 3rd Mount Everest open Taekwondo Championship (G-2) held at Pokhara, Nepal in the year 2022.

Deepanshu Chouhan participated in the 3rd Mount Everest open Taekwondo Championship (G-2) 2022 held in Nepal.

### INTER UNIVERSITY/NATIONAL MEDAL WINNERS

Manu Bhaker participated in 65th National Shooting Championship held at Bhopal in December, 2022 and won 4 Gold Medals. She also won the team Gold Medal in All India Inter University Shooting Championship held at Delhi in February, 2023.

Udhayveer Sidhu won 1 Bronze Medal in 65th National Shooting Championship in Bhopal in December, 2022. He also won Gold Medal in All India Inter University Shooting Championship held at Delhi in February, 2023.

Vijayveer Sidhu won 2 Gold, 1 Silver and 1 Bronze Medal in 65th National Shooting Championship in Bhopal in December, 2022. He also won Gold Medal in All India Inter University Shooting Championship held at Delhi in February, 2023.

Adarsh Singh won 1 Gold Medal in 65th National Shooting Championship held at Bhopal, Madhya Pradesh in December, 2022. He also won Gold Medal in All India Inter University Shooting Championship held at Delhi in February, 2023.

Sarabjot Singh won 3 Gold Medals in 65th National Shooting Championship held at Bhopal, Madhya Pradesh in December, 2022.

Aditya Malra won 2 Gold Medals in 65th National Shooting Championship held at Bhopal, Madhya Pradesh in December, 2022.

Surbhi Rao won 1 Gold and 1 Silver Medal in 65th National Shooting Championship held at Bhopal, Madhya Pradesh in December, 2022.

Sainyam won Individual Bronze Medal in Khelo India Youth Games held at Bhopal, Madhya Pradesh in February, 2023.

Surya Pratap Singh Banshtu won Individual Silver Medal in All India Inter University Shooting Championship held at Delhi in February, 2023.

Gouri Sheoran won team Gold Medal in All India Inter University Shooting Championship held at Delhi in February, 2023.

Ayushi Podder won team Silver Medal in All India Inter University Shooting Championship held at Delhi in February, 2023.

AnjuKumari participated in under – 52 weight category in Wushu event in the 36th National Games 2022 held from 27th September to 10th October in Gujrat.

Deeksha won the Gold Medal in India Taekwondo Senior National Championship 2023 held at Nasik, Maharashtra.

Anil won the Bronze Medal in 1st WFI Peix (under-20) National Wrestling Tournament 2022 held at Gonda, Uttar Pradesh.

KhushiYadav won the silver medal in 10th Junior National PencakSilat Championship 2022 held at Nanded Maharashtra.

AnjuKumari won the Bronze Medal in Khleo India Wushu League Senior National Championship 2023 held at Chandigarh University, Gharuan, Punjab.

Roshani won the Bronze Medal in Khleo India Wushu League Senior National Championship 2023 held at Chandigarh University, Gharuan, Punjab.

Prithvi Raj Chouhan won the Silver Medal in All India Inter-University Taekwondo Championship 2022-23 held at Guru Nanak Dev University, Amritsar, Punjab.

### ACHIEVEMENTS IN THE PANJAB UNIVERSITY INTER COLLEGE COMPETITIONS (MEN) PANJAB UNIVERSITY INTER COLLEGE WINNERS

**ATHLETICS:** The College Athletics team under the captaincy of Bhupinder retained the Panjab University Inter College Athletics Championship. In all events college Athletes won 13 gold 6 silver 2 Bronze Medals. Team cumulated 92 Points. Gobind Kumar was adjudged faster runner of the Panjab University-2022-23

**BASEBALL:** Krishna led the College Baseball team that won the Panjab University Inter College Baseball Championship-2022-23 and maintained the dominance in the game.

**BADMINTON:** The College Badminton team under the captaincy of HardikMakkar won the Panjab University Inter College Badminton Championship, 2022-23.

**CRICKET:** NipunSharda led the College Cricket team that won the Panjab University Inter College Cricket Championship for the year, 2022-23.

**SHOOTING:** DAV College Shooting team won the Panjab University Inter College Shooting Championship, 2022-23 with 66 Points under the captaincy of Vijayveer Sidhu. The team won 7 Gold, 4 Silver and 3 Bronze Medals.

**TABLE TENNIS:** Mayank Mallha led the College Table Tennis team which won the Panjab University Inter College Table Tennis Championship, 2022-23.

**TENNIS:** The College Tennis team under the captaincy of Sam Chawla won the Panjab University Inter College Tennis Championship, 2022-23.

### RUNNERS' UP POSITIONS

**MALLAKHAMBHA:** Aditya Mishra led the college Mallakhamba team and secured second position in the Panjab University Inter College Mallakhamba Championship & in the Pyramid Team event. Ankush Sharma secured individual third place in rope Mallakhamba.

**HANDBALL:** Under the captaincy of Rahul, the College Handball team secured Second position in the Panjab University Inter-College Handball Championship, 2022-23.

**TAEKWONDO:** Under the captaincy of Prithvi Raj Chouhan, the College Taekwondo team secured second position in the Panjab University Inter-College Taekwondo Championship, 2022-23.

**WRESTLING (Free-Style):** The College team under the captaincy of Sahil Khan secured the second position in Panjab University Inter-College Wrestling Championship, 2022-23.

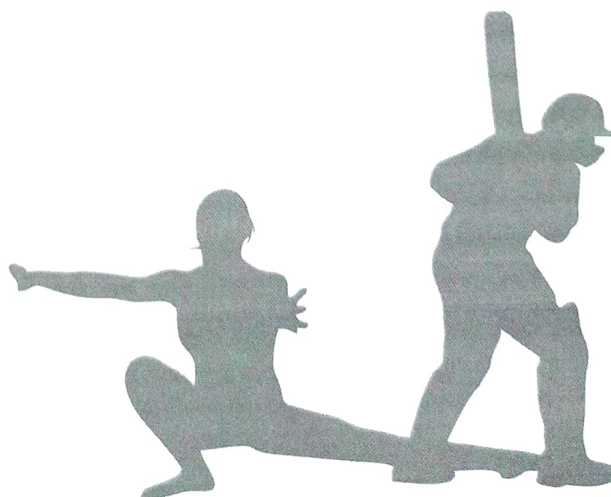
**WRESTLING (Greco-roman):** The College team under the captaincy of Ajay Partap Singh secured the third position in the Panjab University Inter-College Wrestling (Greco-Roman) Championship, 2022-23.

### THIRD POSITIONS

**GYMNASTICS:** The College team under the captaincy of Aditya Mishra secured third position in the Panjab University Inter College Gymnastics Championship, 2022-23.

**PENCAK SILAT:** The College team under the captaincy of Suraj Singh secured third position in the Panjab University Inter College PencakSilat Championship, 2022-23.

**SOFT TENNIS:** The College team led by Sam Chawla secured third position in Panjab University Inter College Gymnastics Championship, 2022-23.



## ACHIEVEMENTS IN THE PANJAB UNIVERSITY INTER COLLEGE COMPETITIONS (WOMEN)

**ATHLETICS:** The college Athletic team under the captaincy of Gurdeep Kaur won the Panjab University Inter College Athletics Championship. In all events college athletes won 13 Gold 3 Silver 4 Bronze Medals. Team secured 102 Points. Simranjeet Kaur was adjudged fastest runner of Panjab University, 2022-23.

**SHOOTING:** Manu Bhaker, Olympian and Arjuna Awardee led the College Shooting team to victory in Panjab University Inter College Shooting Championship with 57 Points. The team won 5 Gold 3 Silver and 4 Bronze Medals.

**Volleyball:** The College Volleyball team under the captaincy of International player Neha retained the Panjab University Inter College champion title for the year, 2022-23.

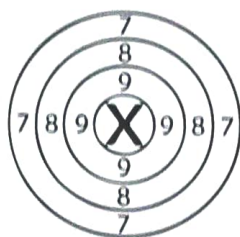
### RUNNERS' UP POSITION

**HANDBALL:** Under the captaincy of Payal Rawat, the College Handball team secured Second position in the Panjab University Inter-College Handball Championship.

### THIRD POSITION

**TAEKWONDO:** Under the captaincy of Madhu, the College women Taekwondo team secured third position in the Panjab University Inter-College Taekwondo Championship.

This has been incredible performance of the college in all the college has won 10 Championships, 5 Runners up positions and 4 third positions in the Panjab University Inter College Tournaments for the session 2022-23. It is really an overwhelming accomplishment of the College.



## CULTURAL ACHIEVEMENTS

DAV College excelled in cultural activities especially in Zonal and inter-zonal youth festivals during the session 2022-2023 under the deanship of Dr Amanendra Mann. The college is proud of all the teachers in charge, and students for bringing laurels to the college. The detailed results are as under.

### DAV COLLEGE: YOUTH FESTIVAL POSITIONS SESSION 2022-23

Event(s)	Inter Zonal		Zonal	
	Positions	Individual Positions	Positions	Individual Positions
Folk Orchestra			Second	First
Gidha			Third	First
One Act Play			Second	
Bhangra			Third	
Jhumar / Malwaigidha / Sammi / Luddi (girls)			Third	
Orchestra (indian)			Third	
Group Shabad & Group Bhajan (bhajan)			Third	Third
Ladies Traditional & Ritualistic Songs Of Punjab			Third	
Group Dance (general)	Second	Third	First	First & Second
Skit			Second	
Mime			Third	
Group Singing (indian)			Third	Third
Installation			First	
Heritage Quiz			Second	
Kavishri			First	
Vaar Singing	Second		First	
Kali Singing			Second	
Creative Writing: Poem	First		First	
Creative Writing: Essay	Third		First	
On The Spot Painting	Third		Second & Third	
Collage Making			Second	
Clay Modelling	Second		First	
Rangoli			Second	
Poster Making			First	
Light Music Vocal: Gazal	Second		First	
Classical Dance			Third	
Guddianpatole Making			Second	
Chhikku Making			First	
Pranda Making			Second	
Naala Making			Third	
Mimicry			Third	
Histrionics			Second	
Mitti De Khidaune			Third	
Light Music Vocal: Folk Song			Third	
Rassavattna			Second	
Eennu Making			Second	
Embroidery: Dasuti/cross Stitch			Third	
Crochet Work			Third	
Photography			Second	
Mehndi Designing			Second	
Instrumental Music (indian): Non-percussion			Second	Second
Hand Writing Competition - Hindi	Third		First	
Hand Writing Competition - Pun			Second & Third	

## COLLEGE LIBRARY



The library of DAV College is well stocked and well equipped to fulfill the knowledge and information needs of the readers. Consistent efforts are always made to upgrade its all-round infrastructure. The Library provides conducive atmosphere and sufficient seating facility to its readers for browsing and relaxed reading. 24 computer systems have been installed in the digital corner of the library for our faculty members and the research scholars of our college.

Library is fully tech-enabled in operations and services. Library also provides access to e-resources through the databases like NLIST and J-Gate Social Sciences and Management to our esteemed faculty members and the college students. Library issues Unique Smart ID cum library cards to all the bonafide students and to all the staff members and the faculty of the college. It also provides back sets of Journals and Magazines, University Syllabi, Old Question papers of University exams. Data card printer, Information KIOSK has been installed in the library premises. The whole setup of RFID and RFID enabled Id cards have been incorporated in the library solely with the huge financial assistance from RUSA. This high end set up has made worthy readers more tech savvy in fulfilling their knowledge and informational needs.

To ensure students' active participation in the library, RAAH, the student-oriented Library Club of DAV College Sector-10 Chandigarh was launched on Dec. 30th, 2021 which stands for Read, Acquire, Achieve and Harmonize, the mantras for a progressive and peaceful life. Various activities are held from time to time like book exhibitions, signature campaign and training workshops on knowledge-based themes. Library is marching ahead in the mission of providing reader friendly ambience and services.

## LAL CHAND RESEARCH LIBRARY:

Another landmark feature of our college is Lal Chand Research Library which has completed 100 years of its existence. The library was established in 1917 in Lahore by the DAV College Management Trust and Society after the name of RaiBahadurLal Chand, the first president of the Trust. The library today has a collection of almost 8,360 rare manuscripts. Apart from the manuscripts, as many as 10,303 rare books are also part of the library's inventory. Detailed records of architectural drawings and measurements of monuments such as the TajMahal, the QutabMinar and the Golden Temple can also be found here. The staff at the library of D.A.V. College, Chandigarh has worked wonders with this archival treasure. With the aid of latest technology, we have succeeded in protecting and preserving this magnificent heritage. Many scholars from India and abroad have shown keen interest in these manuscripts and books. The sustenance of more than 100 years of this rare treasure of ancient knowledge owes its existence to the efforts of authorities and the team work and dedication of library staff. We work on the principle of preserving the heritage for posterity.

## DEPARTMENTS, CLUBS AND SOCIETY ACHIEVEMENTS

### BIOTECHNOLOGY ACTIVITY CLUB

The Department of Biotechnology under the aegis of BAC club in the session 2022-23 conducted competitions on the current social and scientific themes/issues.

- ❑ In September 2022 the department organized Caption writing and Poster making competitions and Essay writing, Quiz, Ad-Mad show, Debate competitions during 27th and 28th February 2023 to celebrate "Science Day".
- ❑ On the occasion of Science day a scientific lecture was delivered by Dr. MitaliS amaddar, CoE Lead, C-CAMP.
- ❑ An outreach program for school students by making them visit our department so as to make them aware of prospects and career in biotechnology on 16th December 2022. 20 students from DPS Chandigarh visited the department.
- ❑ The Department also had the proud privilege to organize a one day seminar on "Conservation of Microbial Diversity and Antimicrobial Resistance (Current Practices and Challenges)" in collaboration of American Society of Microbiologists. In this seminar Dr.Kakoli Biswas delivered an invited talk.
- ❑ Dr.Kakoli Biswas also has to her credit a first consultancy project in the College, worth Rs 2.5 lakh with Amulya Herbs Pvt. Ltd.
- ❑ Two new enrollments in Ph.D in the Department Research Center.

### BOTANICAL ASSOCIATION

The Botanical Association functions under the aegis of the Botany Department.

- ❑ Department of Botany, in collaboration with Department of Biotechnology, DAV College, Sector 10, Chandigarh, organised various events to mark International day for the Preservation of the Ozone Layer on 16th September 2022. Around 80 students participated in Poster Making and Caption Writing competitions on the theme -Global Cooperation to Protect Life on Earth.
- ❑ Plantation drive on 01st October 2022 in collaboration with State Bank of India included planting of fruit trees and medicinal plants, in the Girls' Hoste, DAV College.

- ❑ The Department of Botany took a unique initiative, by digitization the flora of the botanical garden, through a digi-album, which is available for viewing on the college website. The department also installed QR codes of each plant of the botanical garden.
- ❑ A drive was undertaken by Department of Botany on 18th November, 2022 to distribute eco-friendly bags to the teaching and non-teaching staff of the college, to minimize the use of plastic bags and make a sustainable shift towards the eco-friendly bags.
- ❑ To commemorate National Science Day on 28th February, 2023, the Department of Botany organized an educational trip to Central Scientific Instruments Organization (CSIO), to encourage scientific temperament amongst the students.
- ❑ The 'Best Herbal Garden Award- 2023' was bestowed upon DAVC Botanical Garden, by the Department of Environment, Chandigarh Administration and Yuvsatta NGO. (15th March, 2023).
- ❑ The Department of Botany has been maintaining the college's Botanical Garden. Leaf composting is also being done in the Botanical Garden and the manure prepared is added to the plants in the college campus, for nutrition and nourishment.

### BUSINESS MANAGEMENT SOCIETY (DEPARTMENT OF BUSINESS MANAGEMENT) ACTIVITIES FOR THE SESSION 2022 - 23

- ❑ On 18 November 2022 BMS organised \*TAKSHAK\* . Students from BBA and M.Com BE participated with great zeal and enthusiasm . TASHAK "Innovate now lead then "came up with events like shark tank(product pitch) , debate (agree to disagree), logo designing(mix and match).
- ❑ Organised an Expert Lecture on "The Art and Science of Introduction" by Mr. Sanmeet Sidhu on 15th March, 2023.
- ❑ An interaction session was organised on 17th April, 2023. It was our utmost pleasure to host Dr. Khoong Tai Wai, Programme leader in Department of Marketing, TinkuAbdul Rahman University College, Malaysia.
- ❑ On 28th March 2023, Business Management Society organised a Business Quiz and Debate Competition. Total participants were 24 from various classes.

**Publications:**

1. Engineered organotin (IV) and vanadium(V) derivatives with distinct coordination modes and luminescent properties for the efficient detection and quantification of permanganate ions Keshav Kumar a, Agrima Datta b, Jyoti Rohilla a, Sahil Thakur a, Raghubir Singh b, Varinder Kaur, *Spectrochimica Acta part A: Biomolecular Spectroscopy*, Volume 294, 5 June 2023, 122521.
2. Agrima Datta, Mamta Guleria, Keshav Kumar, Jyoti Agarwal, Raghubir Singh, Varinder Kaur, Copper (II) pseudo atrane appended heterobimetallic 2D-MOF: A multi-functional material with catalytic and sensing properties, *Applied Organometallic Chemistry*, 2023.
3. Keshav Kumar, Agrima Datta, Jyoti Rohilla, Sahil Thakur, Raghubir Singh, Varinder Kaur Engineered organotin (IV) and vanadium(V) derivatives with distinct coordination modes and luminescent properties for the efficient detection and quantification of permanganate ions. *Spectrochimica Acta, Part A: Molecular and Biomolecular Spectroscopy*, 2023
4. Harshita Gupta, Kulwinder Kaur, Raghubir Singh, Varinder Kaur, Chitosan Schiff base for the spectrofluorimetric analysis of E-waste toxins: Pentabromophenol, Fe<sup>3+</sup>, and Cu<sup>2+</sup> ions. *Cellulose*, 2022,11,2213-3437
5. Irshad Mohiuddin, Raghubir Singh, Varinder Kaur Fabrication of mesoporousnanoprobe with molecularly imprinted fluorescent carbon dots embedded within silica network for the selective and sensitive detection of aspirin in ground water samples, *Journal of Environmental Chemical Engineering*, 2022, 36, 1572-88
6. Kulwinder Kaur, Harshita Gupta, Raghubir Singh, Varinder Kaur, NeenaCapalashBenzo-γ-pyrone-based diorganotin (IV) chelates as fluorescent probes for the detection of picric acid from soil and aqueous samples *Appl. Organometallic Chemistry*, 2022,11, 0268-2605
7. Harshita Gupta, Raghubir Singh, VarinderKaur, In-situ generation of fluorescent silica nano-aggregates of silatranyl appended furfural Schiff base and its application to the spectrofluorimetric analysis of phenolic brominated flame retardants in aqueous medium, *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*.2022,278, 121338.
8. Keshav Kumar, Raghubir Singh, Varinder Kaur, Synthesis, Structure and Hydrolysis Studies of Pseudostannatranes: Kinetic studies of a Hexanuclear Tin(IV) Hydroxo-cluster formed via Reverse Kocheshkov Reaction and Partial Hydrolysis of pseudostannatranes, *Polyhedron* 2022,219,115812.

9. Shagun Sharma, NavneetAgnihotri,SwatiSihag, Vinay Randhawa, Keshav Kumar, Raghubir Singh, Varinder Kaur, Glutamine conjugated organotin(IV) Schiff base compounds: Synthesis, structure, and anticancer properties, *Applied Organometallic Chemistry*,2022,36, 6521.

**Book Chapter**

Published Book Chapter in Covalent Organic Frameworks-Based Adsorbents for Methane, 1st Edition, Imprint CRC Press, Chapter: Experimentation and Simulations, 18 Pages, eBook ISBN9781003206507

**Our Achievers:**

**TIFR Hyderabad:** The following students got selected in TIFR Hyderabad with a paid scholarship as per TIFR guidelines.

Selected Candidate: Minali Gorski (2022)SagarSingh(2022)

Written Qualified Candidates: Jaipreet Singh (2023)Simranjeet Kaur(2023)

Pradhan Mantri Research Fellowship (PMRF): Kalpana Garg, MSc. Chemistry, got admitted in IIT Ropar, Punjabwith a paid fellowship as per PMRF guidelines.

Foreign Research Fellow: Students who went abroad for higher studies: Minakshi Rana(2022, UNIST, Korea); Gunjan Tiwari (2023, IPC PAS, Poland, Sponsored by Warsaw4phd)

Gate Qualified: Following students qualified GATE Entrance, 2022-2023. Monika Sheoran, (AIR, 1179), Minali Gorski, (AIR,505), Sagar Singh, (AIR,129), Jaipreet Singh(AIR, 2976, YEAR 2022) (AIR, 260, Year 2023), Simranjeet Kaur (AIR, 3091), Komal (AIR, 4412), Gunjan Tiwari (AIR 2108), Nishtha (AIR, 1821)

**CSIR NET:** MinaliGorski, 2022, Simranjeet Kaur, 2022

**JRF:** Sagar Singh, Komal Ph.D Completed:

- Jyoti Parkash from IK Gujral, Punjab Technical University, Jalandhar, Supervised by Dr. Raghubir Singh.
- Manpreet Kaur from Panjab University, supervised by Dr. Vivek Pathania (Thesis Submitted on Feb, 2023)
- Shrutila Sharma supervised by Dr. VivekPathania (Thesis submitted on Feb, 2023)

**Highest Impact Papers:** Irshad Mohiuddin, Raghubir Singh, Varinder Kaur Fabrication of mesoporousnanoprobe with molecularly imprinted fluorescent carbon dots embedded within silica network for the selective and sensitive detection of aspirin in ground water samples, *Journal of Environmental Chemical Engineering*, 2022,36, 1572-88 (IF= 7.968)

**Internships:** Jahanviverma, (pursuing MSc Chem 2nd year) got selected at Indian Academy of science, summer research fellowship program 2023 (IASc-INSA-NASI) for the moths of June-July 2023, with a paid fellowship of 12,500/- per month.

### Conferences/Seminars attended:

Dr. Raman Kamboj (Participated in the online- Refresher course in Higher Education: National policy and Implementation (all disciplines) from 23-06-2022 to 11-07-2022.

Dr. Raman Kamboj (Participated in the Prof. Ram Chand Paul National symposium on "sustainable development in chemical sciences, innovation. IPR. Entrepreneurship" during 21-02-2022.

Dr. Raghubir Singh (Participated in the Prof. Ram Chand Paul National symposium on "sustainable development in chemical sciences, innovation. IPR. Entrepreneurship" during 21-02-2022.

Dr. Rupinder Kaur (Participated in the Prof. Ram Chand Paul National symposium on "sustainable development in chemical sciences, innovation. IPR. Entrepreneurship" during 21-02-2022.

Dr. Jyotsna Rikhie (Participated in the Prof. Ram Chand Paul National symposium on "sustainable development in chemical sciences, innovation. IPR. Entrepreneurship" during 21-02-2022.

Dr. Sonu Bhambari (Participated in the Prof. Ram Chand Paul National symposium on "sustainable development in chemical sciences, innovation. IPR. Entrepreneurship" during 21-02-2022.

### Programs Organised:

- Celebrated National Science Day Program in collaboration with Dean Research, Dr. Mona Narang on 28-02-2023, sponsored (15000/-) by Punjab State Council for Science and Technology.
- Organized 3 days trip to Jaipur for MSc 2nd year students from 16-02-2023 to 18-02-2023 (Total 25 students and 2 faculty teachers).
- Organized Freshers party for MSc 1st year students on 07-11-2022.
- Organized one day seminar on "Cyclotron" coordinated by Dr. Kashma and Dr. Yogyata Pathania on 03-03-2023.
- An educational visit for MSc 2nd year students to Forensic lab of Panjab University on 27-03-2023 organized by Dr. Kashma.

### DST FIST Grading:

The review grading of earlier supported FIST project by DST-FIST New Delhi, (SR/FST/College-335/2016) was 'very good' (Tenure from Jan 2018 to Jan 2023).

### CONVERSE ABOUT COMMERCE SOCIETY (DEPARTMENT OF COMMERCE)

- **4th August 2022** - Visited Saupin's School in Chandigarh on Thursday (4th August 2022). Included a

basic introduction highlighting the importance of knowledge gained about companies and their brands from sources other than books like advertisements, magazines, social media, etc. This was followed by a competition among students

- **4th February 2023** - Conducted an event on the topic of FMCGs and Stock markets in SD Public School, Sector-24, Chandigarh, for the students of classes 9th & 10th.
- **20th March 2023** - DAV College Chandigarh, Conducted a model shark tank in DAV college itself on 20th March where the small entrepreneurs (students of DAV college who have their own business) were provided with a platform to promote themselves following their pitch in which they briefly explained their business and at last the sharks giving them offers;
- **27th-28th March 2023** - Rotaract Club Chandigarh Midtown CAC Society acted as a promotional partner in their fundraising event 'Bowl Out Cancer'.

### THE ECONOMICS SOCIETY

- Orientation 2022 Held its Orientation program for the session 2022-23 to introduce the new panel and welcome the members of the society.
- Exquisite Organised a quiz competition- Exquisite on 7th November 2022. A total of 16 students took part in the competition.
- Reserve Bank of India: G20 Outreach Seminar Students of the college Chahat Pathania, Dixit Gupta, Ajitesh Singh, Ajay Majha from M.A. 2; Vipul Rana, Sejal, Sagar from M.A. 1 and Upasana Mishra and Smrity Gupta from B.A 3 attended the conference in Hyatt Regency on 25 January 2023. The college hosted one of those programmes in the college campus on 27th January 2023.
- BUDGET PE CHARCHA Union budget 2023-24: Organised a PowerPoint presentation competition on the topic 'Union budget 2023-24' that led to a great discussion on the union budget.
- Inter-College Quiz Competition (In collaboration with RBI, Chandigarh)  
The Reserve Bank of India (RBI) as a part of their awareness drive conducted an inter-college quiz competition on 21 March 2023 in DAV College in collaboration with the Economics Society. A total of ten college's participated including DAVC 10,
- Plan your money, plant your future' A workshop was organized on 24th March'23 by Economics Society on 'Plan your money, Plant your future' with respect to Global Money Week 2023. The department invited Dr. Monika Aggarwal (SEBI & CRISIL Awardee) to enlighten the students on the topic.

## DEPARTMENT OF EDUCATION

B.A, B.Ed department organises various activities from time to time.

- In September 2022 Teachers day was celebrated by the students of BA, BEd dept to highlight the role of this noble profession in building a student's life as well as society as a whole. Students also participated in various competitions like PPT making, Poster making etc.
- In November 2022 an educational trekking trip was organised to KAROL TIBBA near Solan. The 12 km trek was fully enjoyed by students as well as faculty members.
- In March 2023 the department organised an extension lecture on Advanced digital innovations which focused on moving towards sustainable education. The Key note speaker was Dr Anuradha Sekhri, an associate professor of Institute for Department & Communication, Approved Research Centre, Panjab University, Chandigarh.
- On 13th March 2023 B.A, BEd dept organised another extension lecture on mental well being, which focused on Anger, Stress and Anxiety management. The key note speaker was Miss Rhea, a psychologist and an expert of REIKI healing.

## HISTORY ASSOCIATION (DEPARTMENT OF HISTORY)

In the academic session of 2022-23 the association organised various events which were participated by the faculty and students.

- On 7th September 2022 an intra college Debate on 'War makes rattling good history; but Peace is poor reading.' the event was held. Students presented their views for or against the above statement. The event ended drawing observation from the audience.
- An intra college quiz on World Revolutions was organized on 16 November 2022.
- An educational tour organised by Profs Manpreet Kaur and Suraj Narayan led students to the bylanes of history of Dagshahi and Barog. Students explored the colonial buildings, cemetery and the world famous railway station Barog.
- A two day History Festival event, \_Historica, on 27th to 28th March, 2023. Profs Anu Jain, Suman Bharti, Kapil Gandhar, Manpreet Kaur, Suraj Narayan, Anjalika and G Phaoemi conducted Debate (Topic: History is Mythology), Quiz (Women in Indian History and Culture), Painting and Poster (Painting

a Historical monument, posters on Bhagat Singh and Mahatma Gandhi), the Dramatis Personae and Story telling session in the event 'History Upside Down'.

## POLITICAL SCIENCE ASSOCIATION (DEPARTMENT OF POLITICAL SCIENCE)

The association organised a number of events throughout the academic session 202-23 to give a number of exciting opportunities and exposure to the students.

- Organised a movie screening on 17 November 2022. The Movie screened was Aarakshan which explored the theme of reservation in our country. It was followed by a discussion on social justice
- A PowerPoint presentation competition was organised by the PSA on 17 February 2023 on the topic 'Indian Political Parties'. Seven students took part in the competition.
- The Political Science Association organised a Poster Making Competition on the topic 'Role of Women in Indian Politics' to celebrate the International Women's Day 2023. More than twenty students participated in the competition with lot of vigour and enthusiasm.
- Organised a guest lecture on the occasion of the International Women's Day in the mini auditorium on 6 March 2023. The speaker for the day was Ms. Satwinder Kaur Satti, President of the NGO "ABB NHI" which works towards helping the abandoned brides of NRIs with legal and financial support.
- Organised the first ever newsroom debate in the college. The event, an innovative idea of the PSA, was a perfect blend of debate and discussion that gave the participants a very good opportunity to showcase their talent. Fourteen students participated.

## THE PSYCHOLOGY ASSOCIATION: PSYCH

The Psychology Association of DAV College, Psych has organised multiple events during the academic year.

A workshop on Statistical Package of Social Sciences was conducted on 25th March 2022 by inviting Dr. Amit Lal, a data scientist.

Mental Health week (18-23 April 2022) was celebrated with multiple functions marking the event. A flash mob and mental health march marked the beginning of the event.

Day 2, marked a treasure hunt pertaining to Psychology and mental health.

On Day 3 An interactive game Taboo was organised followed by a relaxation session using yoga, conducted by a final year student Vidushi Raina, who is an expert trainer.

Day 4 was marked by a play staged by the students and guided by Ms. Simran Batra, Guzaarish, wherein the importance of professional therapy as a catalyst for better social relations and a peaceful mind.

Day 5, an Open Mic event, was held for all students as well as faculty of the college. It saw tremendous participation and showcasing of literary, comic, poetic and musical talents with resounding appreciation by the audience.

The last day saw a round of positive psychology related events including Privilege line, Spreading Smiles etc., all aiming at educating and popularising mental health through fun based interactive events.

On 21st September 2022 Dr. Shilpa Suri (Positive Psychologist, and Co-Founder of Planet Psychology) delivered a seminar on the topic "Thriving; Life Above Zero".

On 10th of September 2022, Psych held a reaching out campaign on the occasion of World Suicide Prevention day. Drop boxes were kept on various junctures in the college premises where anyone who needed to connect with a psychologist or a counsellor could drop a message with their phone numbers or even just voice whatever they needed to share.

On 16/03/2023. Ms. Aashna Narula, director, Psychopedia conducted a hands on training workshop on Research Report Writing for the post graduate students of the Dept.

#### **PUBLIC ADMINISTRATION STUDENT'S SOCIETY (PASS)**

The following activities were successfully conducted by the Public Administration Students' Society (PASS) of PG Department of Public Administration during the academic session 2022-23:

- To commemorate National Civil Services Day and National Panchayati Raj Day, an inter college online quiz competition was held on 23rd April 2022. Around 70 students participated in the quiz.
- A talk was organised with NGO Grey Shades in association with Economics Department on the topic "Preparing India as an Age Friendly Nation" on 26th April 2022. Mr. Vivek Attray and Mr. Inderpreet Singh threw light on the challenges faced by the elderly. The event was attended by around 150 students. The volunteers of the department were selected to serve the NGO.
- An interactive talk on the topic "Career Prospects in the Study of Public Administration" was held by an expert resource person Prof. Mohinder Singh, Former Chairperson, Department of Public Administration, Kurukshetra University on 29th April 2022. Around 150 students from various UG and PG

streams participated in the event.

- The department organised a quiz for the PG Students on "Indian Administration" on 15th November 2022. Around 25 students attended the event.
- The students of the department also volunteered for the Blood Donation Camp in association with Lion's club Chandigarh Central and PGIMER held on 7th February, 2023.
- On the occasion of World Obesity Day, an online Slogan Writing and Poster Making competition was held on 4th March 2023. The event was held in collaboration with GMCH, Sector 32, Chandigarh to create awareness on healthy living among youth. The event saw participation of 16 students from various streams.
- An online PowerPoint presentation was held on the topic "Public Policy" on 6th March 2023 where 30 students of MA participated and presented their work.

#### **RAMANUJAN MATHEMATICAL SOCIETY**

- On 24th September 2022, the students of M.Sc (Mathematics) 2nd year organized a Fresher's party to welcome new students of M.Sc (Mathematics) 1st year and to encourage their creative impulse to boost their confidence. Freshers got a chance to showcase their talent by Ramp walk. The students of second year held a special cultural performance including Nati.
- On 23rd February 2023, a Treasure Hunt Competition was organised. About 70 teams participated in the first round which was 3 leg race, followed by second round with 12 teams where the teams were tested for their mathematical abilities. The last and final round was with 6 teams where the students had to find the treasure with some hints. Cash prizes were given away.
- On 1st March 2023, the department organized intra-college Quiz, Power Point Presentation and Poster Making Competitions to boost communication, develop public speaking and to encourage students to explore the real life applications of Mathematics in various fields.

#### **TECHNOMINDS: AN IT CLUB**

##### **Workshops:**

In the session 2022-23, the club organized one workshop on the futuristic field of machine learning and technology and one career counselling seminar for the students of the department.

- Organised a workshop on Machine Learning and Technology on 23rd Feb, 2023

**Resource Person :** Sh Pawan Kumar from Plaksha University, Mohali

**Intended Audience:** BSc(CS) and BCA

**Total students who attended:** 120

- Organised a seminar on Career Counseling on 24th Feb, 2023

**Resource Person:** Mr. Sony Goyal, Alumnus of IIM Ahmadabad

**Intended Audience:** Bsc (CS) and BCA

**Total students who attended:** 120

### **Technovation 2023**

One day inter college technical competitive fest: **Technovation 2023** was organized by the club on 27th March, 2023. The competitive events in the fest included Debugging, Movie Making, Website Development and SQL query writing. The One-day event witnessed participation of over 100 students from various colleges affiliated to Panjab University.

### **APP DEVELOPMENT AND IT EXHIBITION**

To provide students with a platform where they could learn, excel, perform and turn their learning into reality in the form of applications/projects, a training session followed by an IT exhibition was organized by the department in the month of March, 2023. The exhibition showcased the best of the projects/applications developed by the students of the department who had previously attended a skill enhancement workshop titled "App in a Day with power APP with Microsoft" where they were taught and trained.

### **VIRTUAL ALUMNI MEET**

The Department organized its first ever virtual alumni meet on 15th January, 2023. The alumni meet was organized to reconnect with the alumni, celebrate their success, provide them with an opportunity to share their experiences and inspire others and planning future events in which they will be invited as motivators or resource people. More than 70 alumni attended the meet.

### **STUDENTS' ACHIEVEMENTS**

In the session 2022-23, the students of the department competed in various inter college technical competitive events and brought laurels to the college and the department. They secured first position in 9 events, second position in 6 events and third position in 5 events.

### **VALUE ADDED COURSES**

In order to enhance employability skills of the students, the department signed an MoU with The Power Academy (Microsoft Learning Partners) to conduct short term Value Added Courses (30 hours each) in Power Business Intelligence and Power App Development. A total of 31 students were selected for these programs.

### **ZOOLOGICAL SOCIETY**

Major Events organized during the session 2022-23 are:

- Memorandum of Understanding was signed between the Central Poultry Development Organization (NR) Chandigarh, Ministry of Fisheries, Animal Husbandry & Dairying, Government of India and DAV College Chandigarh on 21.12.22, recognizing the importance of research and development, education and training in poultry sector to promote entrepreneurship and skill based learning.
- Two Day National Seminar on Vaccine Design & Deployment for Infectious Diseases sponsored by College Development Council Panjab University Chandigarh & Microbiologists Society of India on 10th & 11th March 2023.
- One week Practical Training for Poultry Farming in collaboration with Central Poultry Development Organization (NR) Chandigarh from 26 th Sep to 1 st Oct 2022.
- Started value added Course on Poultry Farming
- Faculty Development Program on Integrated approaches in Biological Sciences in collaboration with UGC-HRDC, PU Chandigarh 22.02.22 to 28.02.2022
- Organized Essay writing Competition on National Science Day 28.2.2022
- Observed World Tuberculosis Day by organizing Special Talk by Dr. Kiran Chhabra, Nodal Officer for State Tuberculosis & AIDS National Programme Honouring TB Champ, Awareness Rally and Poster Competition 24.3.202
- Earth Day Celebrations Pecial Lecture by Dr. Neelima R Kumar, PU followed by Wild Life Photography and Power Point Competition on 22.4.2022
- Zoological Trip to Mahendra Chaudhary Zoological Park, Chhatbir
- World Water Day Celebrations Special Talk by Dr. Vijay Bharti Scientist from DRDO- DIHAR.

- Felicitation Ceremony of the Executive Zoological Society DAV College Chandigarh and Farewell MSc Zoology 22-23

### LIBRARY ACTIVITIES (RAAH CLUB)

One of the major missions of the college library is to engage the students in various activities and unlock their talent. For this, it keeps on organizing various activities from time to time. Following is the brief introduction about such activities organized for session 2022-23.

- To commemorate the 129th anniversary of Swami Vivekananda's address to the Parliament of Religions held in Chicago, the Path Seeker Society and RAAH- The library Club of DAV College, Sector-10, Chandigarh organized a book exhibition in the college premises on September 12, 2022. The exhibition included books on Swami Vivekananda's life and books by other spiritual institutions namely Swami Rama Krishna Mission, Brahma Kumaris and ISKCON.
- Library organized an orientation programme for the academic session 2022-2023 on Sept. 30th, 2022. Librarian Dr. Deepti Madaan gave a brief about the resources and services of the college library. New panel of RAAH the Library Club were also introduced.
- DAV College, Sector-10, Chandigarh and RAAH, the library club of the college organized a motivational talk session on 15th November, 2022. The topic of the session was 'I am better than I think I am'. Col. D.S. Cheema, a retired defence personnel and a noted management expert and an author was the keynote speaker.
- The library of DAV College Sector-10 Chandigarh and RAAH, the Library Club brought alive the colours and joys of Basant Panchmi in a celebration on 27th January, 2023.
- Organised Book Exchange Programme and Reference Hunting event in the library on March 2nd, 2023. Book Exchange Drive was started on 20th Feb and ended on March 2nd, 2023. Students and teachers participated in this drive by sharing the books from their personal collection.
- Staged a play entitled "Kitab Bimarhai" in front of the library on March 28, 2023. The street play brought to light the over penetration of Facebook, WhatsApp - a-vis sheer neglect of books. It conveyed the message that books are evergreen and will always be an integral part of human growth. The books can be supplemented but cannot be replaced with internet.

### MUSIC CLUB

- Music club is a major contributor to intra institute activities including Independence Day celebrations, Republic Day celebrations and other important landmark festivities including DAV's annual mega fest "Kaarwaa'n".
- The first of these, 'saptak' is the main core group of the club in which new recruits are introduced.
- Our members have made us proud with their tremendous achievements. DAV College's Music Club participated in the Youth and Heritage Festival 2022- 2023 . The students took part in various events and came out with flying colours.

### AGHAAZ DRAMATIC CLUB

Aghaaz Dramatics Club presented '\_Varn Gaatha\_' one act play, and a skit '\_Reel vs Real\_' in the Youth Festival of the Punjab University. In April 2023 the student members of the Drama Club performed a famous satire '\_Taj Mahal Ka Tender\_' , a full length play. It was directed by Lovesh and Parwaz, 3rd year students. The set design, acting and adaptation were highly appreciated. The skit '\_Rozgaar\_' stood first in the Jhankar 2023 at PU campus student festival.

### QUIZ CLUB

MIND BENDERS, the Quiz Club of DAV College, takes pride in the following achievements during the Session 2022-23:

1. Inter college Quiz organized by Department of Gandhian and Peace Studies, Panjab University, on the Autobiography of Mahatama Gandhi as a part of Gandhi Jayanti celebrations, was WON by Abhishek Shandil, Class BA 3rd Year, Roll No. 14422.
2. Inter- College Quiz on G-20 & Youth Engagement, organized at MCM DAV College, Chandigarh, was WON by team comprising of Abhishek Shandil, BA 3rd Year, Roll No. 14422, Rikshit Modgil, MSc. 2nd Year, Roll No. 31013, Parwati, BA 2nd Year, Roll No. 12860.
3. Quiz competition in PU Zonal Youth & Heritage Fest, organized on 3rd November, 2022, at DAV College, Chandigarh, the team comprising of Abhishek Shandil, BA 3rd Year, Roll No. 14422, Sourabh Chhetri, BA 3rd Year, Roll No. 14125, Rikshit Modgil, MSc. 2nd Year, Roll No. 31013, stood 4th.

## THE PATH SEEKERS' SOCIETY, DAVC

- Book Exhibition on 12 th Sept. 2022 To commemorate 129 th Anniversary of Swami Vivekananda's Chicago Address, The Path Seekers' Society in collaboration with RAAH- The Library Club, organised a book exhibition of Literature based on Swami Vivekananda's Life and spirituality. The exhibition stall in front of college library received an overwhelming response.
- Daan Utsav Celebrations on 6-7-8 October 2022 The Path Seekers' Society, DAVC celebrated Daan Utsav: India's festival of giving under the theme 'Bringing Smiles'. Under this, food donation drive was conducted by society members in their locality.
- Inter College Quiz Competition on Ramayan and Mahabharat on 12th April 2023

The society conducted Inter College Quiz Competition on India's greatest epics, depicting glorious history of Bharat "Ramayan and Mahabharat". The competition involved participation of 20 teams from 11 colleges of tricity, with total 60 contestants.

Chief Guest: Sh. Lallan Singh Baghel, Dept. of Philosophy, P.U. Guest of Honour: Sh. H. R. Gandhar, Vice President, DAV College Managing Committee New Delhi

Special Guests: Sh. Jitendra Singh Rana & Sh. Anil Mehta, Social Activists

Winners of the quiz competition:

- 1- DAV College, sector-10, Chandigarh
  - 2- DAV College, sector 10, Chandigarh
  - 3- Govt. College of Education, Sec-20, Chandigarh
- Consolation 1: GGSDS College, Sector-32, Chandigarh  
Consolation 2: Shri Guru Gobind Singh College, Sector-26, Chandigarh

## RESEARCH CELL

- Celebrated the National Science Day on 28th February 2023. The event was catalyzed and sponsored by Panjab State Council for Science & technology (PSCST). The Theme of the event was 'Global Science for Global Wellbeing'. The Chief Guest and Speaker of the event was Dr. Narinder Singh from Department of Chemistry, IIT Ropar. He delivered a lecture on topic Nanoparticles and Environmental Analysis.
- Science Rangoli and individual poster presentation competition were also organized on the theme of event. Cash Prizes were awarded to the winners of both the events.

## PLACEMENT CELL

The Training and Placement cell which is committed to provide all possible assistance to the students pursuing various degree/ Diploma/ Vocational Courses in their effort to find employment. The training and placement cell is active throughout the year for the facilities of contacts between recruiter and students. It arranges pre-placement lectures on communication skills, Soft skills, group discussions, personal interviews, resume writing etc. for honing the capabilities of students. Both on-campus and off-campus interactions with the recruiters are facilitated regularly. The cell also invite industry professional to interact with the students in order to identify the emerging opportunities in the corporate world. Following companies offered the placements to our students in the current session:-

**Deloitte GDS, Deloitte Tax, Accenture, Yakult, JIO Tech, Wipro, Piramal Capital housing and finance Ltd, D.E Shaw Group, eClerx, ICICI Prudential Life Insurance, Amazon, Concentrix, Escalon, Capace, Code Quotient, HDFC Life Insurance, ESAF Small finance bank, Publics Group LKSS, Relins Technologies, TCSAtlas, Zenith, British Counsel, IFM finacoach, Trident, SXILL, D.E Shaw Group, Deloitte GSM, Hitbulls eye etc.**

Some of the placements are still in process and the packages offered varied from 2.14 LPA – 21LPA. A total of 79 students have been placed so far.

## RUSA

RUSA has granted two crore rupees to the college for improving and renovating the existing infrastructure (construction and renovation), purchase of equipment etc. The college utilized this grant to renovate the main auditorium and the mini auditorium. It also upgraded the server room by purchasing the latest technology hardware. A new handball court was constructed using this grant. The college library was equipped with RFID System. Many more such projects were undertaken using this infrastructure grant. The college also organized 10 capacity building workshops under RUSA preparatory grant of two lakh rupees.

## YOUTH SERVICES CLUB

The members of the Youth Services Club organised Desk from 20th September to 22nd September, 2022, to create awareness about this club among the students and help them join the same. Around 500 students registered in the club.

- On 29th September 2022 a poster making competition was organised on the theme peace and harmony. Many students took part in this competition. After this competition a human chain was formed on the same theme in which more than 100 students came forward. The main idea of this theme and chain was to bring peace and harmony in the society. On the same day an orientation program was held in the mini auditorium at 11:30 AM

- From 21st January to 23rd January, 2023 a random talk show was organised by Youth Services Club in collaboration with the Political Science Association on the theme of Republic Day.

- On 6th March, 2023, a flash mob was organised on the theme of Holi in front of Shaurya Bhawan.

## NCC ACTIVITIES: ARMY, NAVY, AIR FORCE

### Army Wing

The aim of NCC Army Wing is to develop different qualities in the cadets like Character, Comradeship, Discipline, Secular outlook and Ideals of selfless service. We achieve this with the training syllabus which includes subjects like Infantry Weapon Training, Field and Battle Craft, Map Reading, Drill, First Aid, Personality Development, Health & Hygiene, Military History, Communication skills, Obstacle Training, Military Geography and Civil Defence. The total strength of NCC (Army Wing) is 160 cadets. The criteria for selection is based upon – Physical Fitness (Push ups, Sit ups, Squats, Running etc.) , GK, Speaking Skills, Knowledge about NCC, Personal Interview.

## ACTIVITIES (2021-22 & 2022-23)

- Cadets participated in EBSB camp conducted online by P, HP, H&Chd from 25th Jan, 2020 to 31st Jan, 2021.
- ANO LT (Dr) Nikhlesh Thakur was detailed by NCC unit to attend ATC from 01st Feb to 05th Feb, 2021 at GMSSSS 47 CHD.
- Cadets participated in EBSB camp conducted online by P, HP, H & Chd from 22nd March, 2020 to 27th March, 2021.
- ANO LT (Dr) Nikhlesh Thakur was detailed by NCC unit for Paper Checking of NCC B Certificate exam on 17th March 2021.
- Cadets participated in EBSB camp conducted online by P, HP, H&Chd in the month of April, 2021.
- Cadets celebrated Earth Day on 22nd April, 2021 and prepared posters on this day.
- 2 cadets participated and prepared two videos (one in English and one in Hindi) for display during the launch event of NCC training app version 2.0 on 10th May, 2021.
- LT Dr Nikhlesh Thakur attended ANO conference on 4th June, 2021 at 1100 Hrs in 2 CHD BN NCC Office.
- Cadets participated in World Environment Day on 5th June, 2021 and prepared videos on No use of plastics and Cleaning of water bodies.
- 10 cadets participated in the Memorial Run for Legendary Milkha Singh on 20th June, 2021 and contributed 66 KM as a tribute.
- Cadets participated individually with their families under the slogan 'Yoga from Home' on International Day of Yoga (IDY) on 21st June 2021 and posted their pictures and videos of yoga on different social media platforms.
- Cadets participated in Pledge taking on Observance of

International Day against Drug Abuse and Illicit trafficking on 26th June, 2021.

- Cadets participated and prepared posters and videos on the occasion of National Doctor's day on 1st July, 2021.
- Cadets of 2nd and 3rd year celebrated KARGIL VIJAY DIWAS on 26th July 2021 in the college campus and paid homage to the martyrs.
- Cadets prepared small 2 minutes videos on Quit India Movement on 7th August, 2021 and sent them to the BN.
- 14 Cadets sang and recorded the National Anthem on 10th August, 2021 after visiting the site (rashtragan.in).
- 6 cadets participated in ID parade in the parade ground Sec 17 Chandigarh on 15th August, 2021.
- 20 cadets participated in the Sadhbhavna Diwas on 20th August, 2021 and took pledge on this day.
- 10 cadets participated in 10 KM run organized by 2 CHD BN NCC on 21st August, 2021 as part of Fit India freedom Run.
- 12 cadets participated in 10 KM run organized by 2 CHD BN NCC on 2nd October, 2021 as part of Fit India freedom Run 2.0.
- 28 Cadets attended Annual Training Camp at Ropar (8th Nov- 14th Nov, 2021).
- Cadets celebrated Armed Forces Flag Day and collected Rs 25000/- which was donated to Sainik Welfare Department of Chandigarh on 7th Dec, 2021.
- Cadet Harpreet Singh was selected for Republic Day Parade at New Delhi and was the part of PM Rally during this event from 18th Dec, 2021- 4th Feb, 2022.
- ANO Lt Nikhlesh Thakur attended and represented P H

HP, C Directorate in RDC, New Delhi from 18th Dec – 4th Feb, 2022.

- Cadets took part in Republic Day Parade in Chandigarh Parade Ground Sec 17, on 26th January, 2022.
- 10 Cadets participated in Puneet Sagar Abhiyaan organised by 2 CHD BN NCC on 7th April, 2022.
- 10 Cadets participated in the programme Shaheedon Ko Shat Shat Naman on 13th April, 2022.
- 28 Cadets participated and celebrated Azadi Ka Amrit Mahotsav in the unit on 23rd April, 2022.
- 7 Cadets went for Trekking camp at Amarkantak (21st May – 28th May, 2022).
- 3 Cadets attended EBSB camp at Malout (4th June – 15th June, 2022).
- 15 Cadets attended International Yoga Day at PGGC Sec 11 on 21st June, 2022.
- 8 Cadets participated in Army Attachment Camp at Chandimandir Cantonment from 15th July- 30th July, 2022.
- 9 Cadets participated in Army Attachment Camp at Chandimandir Cantonment from 8th - 22nd August, 2022.
- Ritik Kumar got selected in ThalSena Camp at New Delhi from 14th Sep to 3rd October, 2022. He won gold medal in inter directorate shooting competition during the event.
- 15 Cadets participated in Puneet Sagar Abhiyaan organised by 2 CHD BN NCC on 21st August, 2022.
- 40 cadets participated in 5 KM Fun Run organized by 2 CHD BN NCC on 2nd October, 2022 as part of Fit India freedom Run 3.0.
- 80 cadets participated in NCC Platinum Jubilee Marathon organized by 2 CHD BN NCC on 27th November, 2022.
- Vishwajeet Singh got selected for IMA Attachment and attended the camp at Dehradun from 18th - 28th December, 2022.
- 4 Cadets participated in National Youth Day and delivered a speech on Swami Vivekananda on 12th January, 2023.

### NAVY WING

- SCC Harshit Sharma attended All India Sea Attachment Camp at Mumbai
- Ex cdt CC Himanshu was commander of naval contingent at the Republic day parade Delhi and also he

was awarded with DGNCC commendation. To be precise Himanshu led all the Cadet representatives from all other states of India in Republic Day Parade, on 26th January 2022

- Cadet Rupinder Kaur also attended rdc and was part of nccsw contingent at delhi republic day camp
- CC Shivani Thakur got recommended from AFSB Dehradun
- No. of students appeared for B certificate exam = 5
- No. of students appeared for C certificate exam = 30

### AIR WING

Air Wing cadets are the "Jewels" of DAV College. DAV NCC Air Wing has a long and glorious history, it can be summarised in one line - "Yeh Dil Maange More". Known for producing "Bravest of the Brave" the likes of Captain Vikram Batra. 'Shershah' was cadet of NCC Air Wing in the college. As a cadet he was adjudged best NCC cadet of Punjab directorate. He got commissioned into 13th JAK RIF after passing out from IMA in 1997. Capt. was awarded 'Param Vir Chakra' the highest gallantry award for his supreme sacrifice in Kargil war. As NCC Cadet, students participate in trekking, mountaineering, para-trooping, Air Force/ IMA attachment RDC, NIC and many more camps, along with regular lectures, drills and parades. Total strength of NCC Air Wing unit is 100 cadets; 33% seats are reserved for girls. Cadet participate in different competitions and activities and defence aspirant get ample opportunities to prepare themselves to serve the nation as 'Air Warrior'. A large number of passed out cadets are serving in defence forces and other walks of life and have brought laurels to the college and country.

### NSS VOLUNTEER ACTIVITIES

Parul Thakur and Rachit Jain attended National Integration Camp at Gujarat. Rachit Jain secured RGNIYD 1st Position at Inter College, Consolation at State Level Quiz by SACS.

Kartik and Anjali attended Adventure Camp at Narkanda Parth Sharma and Kudrat Vashishat attended Adventure Camp at Dharamshala Amandeep Singh attended Republic Day Camp at New Delhi Amandeep Singh, Sahil Singh, Kritika, Nishtha Singla and Harmanjeet Singh attended National Integration Camp at Patiala Sourab Chhetri won Consolation at State Level Quiz by SACS Shivam Rathore and Anamika secured 1st position at Inter College Rangoli Competition by SACS Simran Jari secured 2nd position at RGNIYD Inter College Painting Competition Pragya Thakur received State Award for Best NSS Volunteer.

## FACULTY ACHIEVEMENTS

### Patents:

- **Dr. Kakoli Biswas** was granted patent for "Novel Media for Plant Tissue Culture"
- **Dr. Harmunish Taneja** was granted patent for "Reduce, Recycle and Reuse (RRR) IoT Intelligence Waste Management System".
- **Dr. Kashma** has applied for a patent Title: "Biodegradable Packaging Film and a Process for its Preparation thereof"
- Graphene oxide based solar tiles for maintaining consistent home temperature.
- Graphene oxide based Li ion/ Li sulphur battery with replaceable electrodes.

### MoU

- DAV College signs the following MOUs with renowned organisations to enhance skills of the students:
  - With PGIMER to enhance the research acumen among medical stream students
  - With The Power Academy (Microsoft Learning Partners) to train students in Power App Developer and Power Business Intelligence
- With Central Poultry Development Organization (NR) Chandigarh, Ministry of Fisheries, Animal Husbandry & Dairying, Government of India for to train students in poultry sector to promote entrepreneurship and skill based learning
- With Friends Union for Energizing Lives for conducting Value Added Course in Digital Marketing.

### Value added Courses

In order to enhance skill level and improve the employability skills of the students, college started various value added courses in the different subjects from the session 2022-23. The departments also pitched in industry partners to carry out these courses effectively.

Received 'very good' Review DST FIST Grading by DST-FIST New Delhi, (SR/FST/College-335/2016) (Tenure from Jan 2018 to Jan 2023).

### Dr Amit Narula

1. Nominated as member of General Council of Chandigarh Sahitya Academy by worthy Adviser to the Administrator, U.T. Chandigarh for the term of two years.
2. Elected as an Added Member to the Faculty of Languages for the term of two years in Panjab University, Chandigarh.
3. Member of the Equal Opportunity Cell of the College for two years.
4. Editor of the English section of College Magazine, Nirmata for two years.

### Dr. Anjali Sharma, Department of Biotechnology

Following are the achievements in 22-23

1. Published a paper on bio surfactants in an international journal
2. Published a book chapter on Bioplastics in a book on green chemistry
3. Ph.D. submitted under her guidance in Panjab University

### Dr. Karan Singh Vinayak, Department of Physics

#### Publications

1. Influence of process variables in the abrasive mixed electrical discharge machining of Ti-6Al-4V. Abhinav, Karan Singh Vinayak, Deepshikha, Materials Today Proceedings, Volume 59, Part 1, Pages 107-114 (2022). ISSN : 2214 7853, SCOPUS Indexed <https://www.scopus.com/sourceid/21100370037#tabs=2>
2. Is Time travel possible through black holes? – A precise review note with future possibilities. Vishalika Sharma, Paras Agrawal, Karan Singh Vinayak. The Research Voyage: An International Bi-Annual Peer Reviewed Multidisciplinary Research Journal (Online), Volume 4, No. 1, June, 2022. ISSN: 2582-6077, Peer Reviewed Journal
3. A BRIEF NOTE ON PRINCIPLE, MECHANISM AND APPLICATIONS OF PIEZOELECTRIC MATERIALS, Shivali, Aarushi Sood, Karan Singh Vinayak, Paras Agrawal, Gyankosh: An Interdisciplinary Journal ISSN: 2581-8252 Article 1, Volume V, December 2022. ISSN: 2581-8252, Peer Reviewed Journal

4. Structural properties of novel potential spintronic material and FullHeusler alloy Co<sub>2</sub>NbGe: First Principles investigation Sumit Kumar a,b, Diwaker c, Shyam L. Gupta d, Deepak Kumar e, Karan Singh Vinayak, Materials Today , Proceedings (in press), 2023. SCOPUS Indexed
5. Ab initio study of the newly proposed full Heusler alloy Co<sub>2</sub>CuAl : Insights from DFT Sumit Kumar, Diwaker, Shyam L Gupta, Karan Singh Vinayak, Materials Today Proceedings (Online). SCOPUS Indexed.

#### **Papers Presented: 04**

1. Presented Research Paper entitled "Influence of Process Variables in the Abrasive Mixed Electrical Discharge Machining of Ti-6Al-4V" in Third International Conference on Recent Advances in Materials and Manufacturing (ICRAMM 2021) held at the Department of Mechanical Engineering, D Y Patil College of Engineering and Technology, Kolhapur, Maharashtra, India, on 25-26 November 2021.
2. Participated and presented paper "Impact of radio-active source selection on the G.M. Counter functioning and attenuation coefficient measurement" in two-day 2nd International conference on "Multidimensional role of basic science in advance technology (ICMBAT-2022)" on 09-10 December 2022.
3. Participated and Presented Paper titled " Effect of temperature on the deformation of nuclei" in "International Symposium on Recent Trends in Optical Materials and Photonic Devices" (RTOMPD-2022) on December 07, 2022.
4. Participated and presented paper in 2nd National Seminar on "Recent Advancements in Physics", organized by Department of Physics, DAV College, Chandigarh.

#### **Publication**

- a) Published Article titled "Education Transformation under pandemic Impact" in the USOL, Panjab University Magazine , Registered with The Registrar of Newspapers of India 009605/3/AL/87.

#### **Refresher/FDP Attended:**

- a) Attended FDP at HRDC Panjab University, Chandigarh, from 07/05/2022 to 13/05/2022 on "Intellectual Property Rights" funded by RUSA.

**Dr. Sakoon Singh**, Dept of English

#### **Publications:**

1. "This is not Knowledge; this is Vanity": Phrenology and the Mimicry of Western Science in Amitav Ghosh's The Circle of Reason." Sagir Ali ed. In Literature and Theory: Contemporary Signposts and Critical Surveys. (Routledge 2022)
2. "Women and the Narrative of Nationalism in Raja Rao's The Cow of the Barricades" in Rumina Sethi and Letizia Alverno eds. Reading India in a Transnational Era. Routledge 2022.

#### **Resource Person:**

1. University School of Open Learning. Panjab University. Lecture on "On choosing a topic for dissertation writing" 10 November 2022.
2. UGC HRDC Panjab University, Chandigarh. "Lecture on Communication in a Literature Classroom." 25 Aug 2022. Online FDP
3. Resource person capacity enhancement workshop on Gender, Sexuality and Literature. 24 Aug 2022. Department of English, Panjab University, Chandigarh.
4. Partition Lecture Series Organised by IIT Kharagpur and Centre for Diaspora Studies, Punjabi University, Patiala. Sept 14, 2022.
5. Panelist at the Delhi Poetry Festival on "Heer in Twenty first century." Dec 11 and 12. Habitat Centre. Delhi.
6. Resource person/ Judge at the Graduate Seminar held at DAV College, Chandigarh. November 12, 2022.
7. Discussion on Dr Ishwar Dyal Gaur's book organised by Bhai Vir Singh Bhavan New Delhi. 16 Sept 2022.
8. Invited for a writers meet by SPARROW (CS Laxmi) and University of Mizoram at Aizawl, Mizoram. 25-27 Feb 2023.
9. Invited for a panel discussion on poetry. Centre for Punjab Studies. Guru Nanak Dev University, May 2022.
10. Dept of English, Panjab University, Chandigarh. Lecture on translation. 14 March 2023.
11. University School of Open Learning, Panjab University, Chandigarh. Lecture on creative writing. 21 march 2023.

#### **Other publications and achievements:**

1. Two articles in Outlook magazine. "Love story: condition of the heart" Jan 2022. And "Lost and found in translation" June 2022.
2. Interview with wiseowl on my writing. 1 feb 2022.
3. Review of Neelam Mansingh's play Trunk Tales carried by Wiseowl. August 2022

4. The Pain of Partition as Seen by Literature of Many languages. In The Wire. 15 Aug 2022.
5. My book In the Land of the Lovers (Rupa 2020) featured in "75 Books from and about India since Partition." Moneycontrol.org Aug 2022.
6. Book Signing with Bahrisons Chandigarh. 3 November 2022.
7. Invited by PPS Nabha as for writer review in the Kate Memorial. 22 Aug, 2022.
8. Book exhibited at the International Book Fair, Kolkata. March 2022.

**Dr. Deepti Madaan**, College Librarian

Awarded PhD degree on the topic "Awareness and Perception towards Plagiarism: a Study of Universities of North Western Region of India" from the Department of Library and Information Science, Panjab University, Chandigarh in March 2023.

**Dr. Kashma**

1. Received grant under MSME for research project: 01 (Title: A cost effective and reusable hydrogel based superabsorbent for water filtration. (Funding Agency: MSME). Total value of research projects: 15 Lakhs.
2. Delivered Expert talk on the topic "Infra-Red Spectroscopy" for the students of Applied Sciences, Chandigarh Engineering College On 23rd November, 2022.
3. Delivered Expert talk on "Funding opportunities available for the Young College Faculty" under the aegis of the VidyaVistar Scheme, University of Delhi online on the Google meet platform on July, 30, 2022.
4. Organized educational visit to the Institute of Forensic Science and Criminology at Panjab University, Chandigarh for the Students of the undergraduate and postgraduate levels of DAV College, Chandigarh on 27th March 2023.
5. Organized educational visit to SAIF/CIL, Panjab University for the Students of the 2nd year M.Sc. Chemistry and 3rd year B.Sc of DAV College, Chandigarh on 19 April 2022.
6. Organized interdisciplinary Seminar on "Forensic Science by Dr. Vishal Sharma" (Chairperson, Forensic science and Criminology, Panjab University, Chandigarh) on 21st September, 2022.
7. Organized interdisciplinary Seminar on Star performer of Big Science by Prof. P.K. Alhuwalia (President, Indian Association of Physics Teachers & Former Professor of Physics HPU) on March 03, 2023.

**Patent Filed**

- i. Title: Biodegradable packaging film and a process for its preparation thereof. Inventors: Vishal Sharma, Kashma Sharma, Vijay Kumar, Sonal Chaudhary. Indian Patent Application No.: 202111018921 (Filed on: 23/04/2021).
- ii. Title: Graphene oxide based solar tiles for maintaining consistent home temperature. Inventors: R. P Joshi, H. S Dhami, P. Kumar, A. Pandey, R. Singhal, Shipra, B. C. Joshi, Vijay Kumar, Kashma Sharma, K. Pandey. Reference No.: 201911017675 (Filed on: 03/05/2019).
- iii. Title: Graphene oxide based Li ion/ Li sulphur battery with replaceable electrodes. Inventors: R. P. Joshi, H. S Dhami, A. Pandey, P. Kumar, B. P. Joshi, Vijay Kumar, Kashma Sharma, V. Sharma, S. Sharma, V. Mehta. Reference No.: 201911019351 (Filed on: 15/05/2019).

**Book Edited**

1. Editors: S. K. Tiwari, Kashma Sharma, V. Sharma, Vijay Kumar, Electrospun Nanofibers: Fabrication, Functionalisation and Applications, Publisher: Springer International Publishing AG Switzerland, eBook ISBN: 978-3-030-79979-3 (2021). <https://doi.org/10.1007/978-3-030-79979-3>
2. Editors: Vijay Kumar, Kashma Sharma, Rakesh Sehgal, Susheel Kalia, Conjugated Polymers for Next Generation of Photovoltaics, Energy Storage and Electronics, Vol I. Publisher: Elsevier, Paperback ISBN: 9780128234426 (2022). <https://www.elsevier.com/books/conjugated-polymers-for-next-generation-applications-volume-1/kumar/978-0-12-823442-6>
3. Editors: Vijay Kumar, Kashma Sharma, Rakesh Sehgal, Susheel Kalia, Conjugated Polymers for Next Generation of Photovoltaics, Energy Storage and Electronics, Vol II. Publisher: Elsevier, Paperback ISBN: 9780128240946 (2022). <https://www.elsevier.com/books/conjugated-polymers-for-next-generation-applications-volume-2/kumar/978-0-12-824094-6>
4. Editors: Kashma Sharma, Santosh Kumar Tiwari, Vijay Kumar, Susheel Kalia, Novel Bio-nanocomposites for Emerging Biomedical Technologies. Publisher: Springer (Book proposal accepted).

**Publication:**

1. Sonal Choudhary, Kashma Sharma, Vishal Sharma, Vijay Kumar\*, Performance Evaluation of Gum Gellan-Based Hydrogel as a Novel Adsorbent for the Removal of Cationic Dyes: Linear Regression Models, ACS Applied Materials &

- Interfaces 15 (2023) 5942-5953 (I.F. = 10.383)
2. Sonal Choudhary, Kashma Sharma, Pawan Kumar Mishra, Vijay Kumar\*, Vishal Sharma, Development and characterization of biodegradable Agarose/Gum neem/nanohydroxyapatite/polyoxyethylenesorbitanmonooleate based edible bio-film for applications towards a circular economy, Environmental Technology & Innovation 29 (2023) 103023 (I.F. = 7.758)
  3. Sonal Choudhary, Kashma Sharma, Manpreet S. Bhatti, Vishal Sharma, Vijay Kumar, DOE based synthesis of Gellan gum-acrylic acid-based biodegradable hydrogels: Screening of significant process variable and in situ field studies, RSC Advances 12 (2022) 4780-4794. (I.F. = 4.036)
  4. Karanpreet Virk, Kashma Sharma, ShikhaKapil, Vinod Kumar, Vishal Sharma, Sadanand Pandey, Vijay Kumar, Synthesis of gum acacia-silver nanoparticles based hydrogel composites and their comparative anti-bacterial activity, Journal of Polymer Research 29 (2022) 118. (I.F. = 3.061)

#### Faculty Achievements

1. Nath J., Sharma K., Kumar S., Kumar V., Sehgal R. (2022) Polymer/Carbon Nanocomposites for Biomedical Applications. In: Hasnain M.S., Nayak A.K., Alkahtani S. (eds) Polymeric and Natural Composites. Advances in Material Research and Technology. Springer, Cham. [https://doi.org/10.1007/978-3-030-70266-3\\_4](https://doi.org/10.1007/978-3-030-70266-3_4)
2. Choudhary, S., Sharma, K., Sharma, V., Kumar, V., Sehgal, R. (2022). Marine Collagen for Delivery of Therapeutics. In: Jana, S., Jana, S. (eds) Marine Biomaterials. Springer, Singapore. [https://doi.org/10.1007/978-981-16-5374-2\\_4](https://doi.org/10.1007/978-981-16-5374-2_4)
3. PriyankaMankotia, KartikeyVerma, Kashma Sharma, Vishal Sharma, Vijay Kumar, Rakesh Sehgal, Mass Spectroscopy in Biomedical Nanotechnology, Ajeet Kaushik, Sessa S. Srinivasan, Yogendra Kumar Mishra (Eds.) Analytical Techniques for Biomedical Nanotechnology. Institute of Physics (IOP). (Accepted)
4. UrbaAfnan, Kashma Sharma, Rakesh Sehgal, Vijay Kumar, Xanthan gum-based Nanocarriers for Therapeutic delivery. Amit Kumar Nayak, MdSaquibHasnain, Tejrj M. Aminabhavi (Eds.) TheranosticNanosystems; (Vol. I: Polymeric nanosystems. Elsevier. (Accepted)
5. PriyankaMankotia, Kashma Sharma, Vishal Sharma, Rakesh Sehgal, Vijay Kumar, Inorganic Bionanocomposites for Bone Tissue Engineering, Dr. Amit Kumar Nayak, Dr. MdSaquibHasnain, Dr. Tejrj M. Aminabhavi (Eds.) TheranosticNanosystems; (Vol. I: Polymeric nanosystems. Elsevier. (Accepted).

#### Conferences/ Workshops/ Seminars Attended

1. Attended Faculty Development Programme on "Intellectual Property" organized by DPIIT –IPR Chair & Department of law with HRDC, Panjab University under RUSA 2.0 grant during 7 May – 13 May, 2022.
2. Attended One Day Workshop on HPLC organized by CIL DAV College, Sector 10, Chandigarh during 17 April, 2022.
3. Attended UGC sponsored 127 th Faculty Induction Program organized by UGC-HRDC Panjab University, Chandigarh during 17 December, 2021 to 13 January, 2022.

#### Dr. Kulvir Sra Dhindsa, Head Department of Zoology

1. Organizing Secretary for Webinar Extinction: An Evolutionary Perspective by Dr. P.K. Sumodan, Asst. Prof. In Zoology, Kerala to mark World Animal Day Oct 4, 2022
2. Coordinator for Faculty Development Program on Integrated approaches in Biological Sciences in collaboration with UGC-HRDC, PU Chandigarh 22.02.22 to 28.02.2022
3. Coordinator for Student Internship Program with Cyber Security Cell, Chandigarh Police
4. Organizing Member for National Seminar on Strategic Approach for Sustainable National Food Security and Improving Country GDP through Poultry Production jointly organized by Central Poultry Development Organization ( NR), Chandigarh & Defence Institute of High Altitude Research, DRDO, Leh held at MGSIPA, Govt. of Punjab, Institutional Area, Sector-26, Chandigarh on 3rd December 2022
5. College Coordinator for MOU between DAV College & CPDO (NR) Chandigarh signed on 21.12.22
6. Presented paper entitled "Formulating Microbial Biological Control Agents for Vector Control Programs" at the 15th Conference on Vectors and Vector Borne Diseases from 15th to 17th February held at Goa University, Taleigao, Goa
7. Convener for Two Day National Seminar on " Vaccine Design and Deployment for Infectious Diseases" organized by PG Department of Zoology, DAVC sponsored by CDC Panjab University Chandigarh & MBSI ( India) on 10th & 11th March 2023

#### Dr. Navneet Kumar Pruthi

Awarded a DST project entitled Indian Participation in ALICE Experiment at CERN.

## Publications

- Pion, kaon, and (anti)proton production in U+U collisions at  $\sqrt{s_{NN}}=193$  GeV measured with the STAR detector, M.S. Abdallah et. al. (STAR Collaboration), Phys. Rev. C 107 (2023) 2, 024901
- Search for the Chiral Magnetic Effect in Au+Au collisions at  $\sqrt{s_{NN}}=27$  GeV with the STAR forward Event Plane Detectors, Bassam Aboona et. al. (STAR Collaboration), Phys. Lett. B 839 (2023) 137779.
- Higher-order cumulants and correlation functions of proton multiplicity distributions in  $\sqrt{s_{NN}}=3$  GeV Au+Au collisions at the RHIC STAR experiment, M.S. Abdallah et. al. (STAR Collaboration), Phys. Rev. C 107 (2023) 2, 024908.
- Beam energy dependence of the linear and mode-coupled flow harmonics in Au+Au collisions, Bassam Aboona et. al. (STAR Collaboration), Phys. Lett. B 839 (2023) 137755.
- $K^*0$  production in Au+Au collisions at  $\sqrt{s_{NN}}=7.7, 11.5, 14.5, 19.6, 27,$  and 39 GeV from the RHIC beam energy scan, M.S. Abdallah et. al. (STAR Collaboration), Phys. Rev. C 107 (2023) 3, 034907

1. Attended International Conference on Physics and Astrophysics of Quark Gluon Plasma (IPCAQGP) 2023 From 07-10 February 2023 in Puri, Odisha.
2. Delivered Extension Lecture on "Relativistic Heavy Ion Collisions: Brief Introduction" on 18 March 2023 in DAV College, Abohar.
3. Acted as Resource person in DBT sponsored workshop on CRO and DSO and delivered lecture on "Fundamental and Applications of Particle Physics" from 6-7 March 2023 in Guru Nanak College, Sri Muktsar Sahib.

**Dr. Priyanka Pathak**, Assistant Professor, Department of Chemistry

Presented poster entitled "Biological Evaluation of Beta Antagonists" at Prof. Ram Chand Paul National Symposium organized by Department of Chemistry & Centre of Advanced Studies in Chemistry, Panjab University, Chandigarh on 21-22 February, 2023.

Participated in National Seminar on Vaccine Design & Deployment for Infectious diseases organized by DAV College, Chandigarh on 10-11 March, 2023.

Participated in workshop on HPLC organized by Central Instrumentation Laboratory, DAV College, Chandigarh on 11 April, 2022. Participated in Refresher Course in Higher Education: National Policy and Implementation organized by UGC-HRDC, Panjab University, Chandigarh from 28 June, 2022-11 July, 2022

**Dr. Ritika Sharma**

1. Transformation of India@75 – International conference at St Bede's college Shimla, March 03-04, 2023.
2. Changing Paradigm in corporate sector and Business management- National Conference at PGGC sector 46' Chandigarh, Feb-17-2023

**Dr. Sudesh Bhardwaj**, Deptt. of Physical Education

My book titled Contemporary Yoga Education: Transforming the Body, Mind & Soul: A reference book for educators and yoga practitioners (2017) translated in Italian version and published by an International Publisher 'La Bussola' with ISBN: 979-12-5474-167-6/PDF:979-12-5474-170-2 in September, 2022 with the title: Formare allo Yoga Contemporaneo: Trasformare il corpo, il mente e l'anima. Un libro di riferimento per educatori e praticanti di Yoga (2022).

**Dr. Yogesh**, Department of Physical Education

Attended Faculty Induction Programme w.e.f. 30-11-2022 to 27-12-2022

**Dr. Yagyata Pathania**, Department of Physics

**Publication: 01**

Y. Pathania and Pooja Kapoor; Variation in gold monolayer properties on interaction with DNA/RNA nucleobases useful for DNA sensing, Materials Science and Engineering: B, 288, 2023, 116152, <https://doi.org/10.1016/j.mseb.2022.116152>.

Educational Lab Visit (Organised and Co-ordinated):

An Educational Visit of UG and PG students to IFSC (Institute of Forensic Science and Criminology) Lab in Panjab University, Chandigarh on 27th March, 2023.

**Lectures (Organised and Co-ordinated):**

A lecture on "Forensic Science and its Domain in the Service of Society" by Dr. Vishal Sharma, Chairperson, IFSC, Panjab University, Chandigarh on September 21st, 2022.

A lecture on "Star Performer of Big Science: Cyclotron" by Prof. P. K. Ahluwalia, Dept. Of Physics, Himachal Pradesh University, Shimla on March 3rd, 2023.

## SESSION 2021-22

### REFRESHER COURSE

01. Dr. Sapna : 25.06.2021 to 08.07.2021  
Asst. Prof. in Comm.
02. Dr. Harjeet Singh : 17.11.2021 to 30.11.2021  
Asst. Prof. in Pbi
03. Dr. Nikhlesh Thakur : -do-  
Asst. Prof. in Zool.
04. Dr. Raghubir Singh : -do-  
Asst. Prof. in Chem
05. Dr. Nitesh Goyal : -do-  
Asst. Prof. in Comm.
06. Dr. Sumit Goklany : 01.02.2022 to 14.02.2022  
Asst. Prof. in Comm.
07. Prof. Nitish Khurana : -do-  
Asst. Prof. in Eco.
08. Dr. Ashish Kapur : 14.02.2022 to 26.02.2022  
Asst. Prof. in Chem.
09. Dr. Nitesh Goyal : 12.03.2022 to 25.03.2022  
Asst. Prof. in Comm.

### ORIENTATION COURSE

01. Dr. Deepak Garg : 17.12.2021 to 13.01.2022  
Asst. Prof. in Phy.
02. Dr. Ruchika Yadav : -do-  
Asst. Prof. in Phy.
03. Dr. Mumtaz Oswal : -do-
04. Dr. Raghav Khanna : -do-  
Asst. Prof. in Pub.
05. Prof. Surinder Kumar : -do-  
Asst. Prof. in Maths.
06. Dr. Akshpreet Singh : -do-  
Asst. Prof. in Chem.
07. Dr. Nitish Khurana : -do-  
Asst. Prof. in Eco.
08. Dr. Yogyata Pathania : -do-  
Asst. Prof. in Phy
09. Dr. Kashma : -do-  
Asst. Prof. in Chem
10. Prof. Bhushan Kumar : -do-  
Asst. Prof. in Math
11. Dr. Kulvinder Singh : 07.02.2022 to 12.03.2022  
Asst. Prof. in Chem
12. Prof. Suraj Narayan : -do-  
Asst. Prof. in History
13. Dr. Pushpinder Singh : 02.03.2022 to 31.03.2022  
Asst. Prof. in Chem

## SHORT TERM COURSE

- 01 Dr. Kriti Kuthulia Kalia : 22.07.2021 to 28.07.2021  
Asst. Prof. in Eng.
- 02 Dr. Monika Bansal : 06.08.2021 to 12.08.2021  
Asst. Prof. in Physics
- 03 Dr. Ritu Sharma : -do-  
Asst. Prof. in English
- 04 Prof. Mandeep K. Gill : 09.11.2021 to 15.11.2021  
Asst. Prof. in Comp
- 05 Prof. Gagan Josan : -do-  
Asst. Prof. in Mgt.
- 06 Dr. Kriti Kuthulia Kalia : 01.02.2022 to 07.02.2022  
Asst. Prof. in Eng.
- 07 Dr. Neeraj Chamoli : 04.01.2022 to 10.01.2022  
Asst. Prof. in Maths.
- 08 Dr. Ritu Sharma : 04.01.2022 to 10.01.2022  
Asst. Prof. in Eng.
- 09 Dr. Rajan Bhandari : 04.01.2022 to 10.01.2022  
Asst. Prof. in Geo.
- 10 Dr. Sudesh Bhardwaj : 07.05.2022 to 13.05.2022  
Asst. Prof. in Phy. Ed
- 11 Dr. Yogesh : 07.05.2022 to 13.05.2022  
Asst. Prof. in Phy. Edu.x
- 12 Mr. Surinder Kumar : -do-  
Asst. Prof. in Maths.
- 13 Dr. Raghav Khanna : -do-  
Asst. Prof. in Pub. Ad.
- 14 Dr. Yogyata Pathania : -do-  
Asst. Prof. in Phy.
- 15 Dr. Karan Singh Vinayak : -do-
- 16 Dr. Kashma : -do-  
Asst. Prof. in Chem.

## SESSION 2022-23

### REFRESHER COURSE

01. Dr. Raman Kamboj : 28.06.2022 to 11.07.2022  
Asst. Prof. in Chem.
- 02 Dr. Priyanka Pathak : 28.06.2022 to 11.07.2022  
Asst. Prof. in Chem.
03. Dr. Prashanti Sachdeva : 09.11.2022 to 22.11.2022  
Asst. Prof. in Phy. :

### ORIENTATION COURSE

01. Dr. Shailza Arora : 30.11.2022 to 27.12.2022  
Asst. Prof. in Chem.
02. Dr. Sudesh Bhardwaj : -do-  
Asst. Prof. in Phy. Edu.
03. Dr. Yogesh : -do-  
Asst. Prof. in Phy. Edu.

### SHORT TERM COURSE

- 01 Dr. Kashma : 28.06.2022 to 04.07.2022  
Asst. Prof. in Chem.
- 02 Dr. Monika Bansal : 22.08.2022 to 29.08.2022  
Asst. Prof. in Phy.
03. Prof. Surinder Singh : 27.02.2023 to 04.03.2023  
Asst. Prof. in Maths.



शूटर सरबजोत ने शूटिंग वर्ल्ड कप में जीता गोल्ड  
शूटर सरबजोत ने शूटिंग वर्ल्ड कप में जीता गोल्ड  
शूटिंग वर्ल्ड कप में जीता गोल्ड  
शूटिंग वर्ल्ड कप में जीता गोल्ड

### कारवां की शुरुआत कव्वाली, क्लासिकल डांस, पोएट्री से हुई



कारवां की शुरुआत कव्वाली, क्लासिकल डांस, पोएट्री से हुई  
कारवां की शुरुआत कव्वाली, क्लासिकल डांस, पोएट्री से हुई

### केसरी

## छात्रों को किताबें पढ़ने के लिए प्रेरित करने को बुक एक्सचेंज ड्राइव एंड रैफरेंस हंटिंग का आयोजन

प्राचार्य डॉ. पवन शर्मा ने स्टूडेंट्स को पुस्तकालयों में अधिक समय बिताने के लिए प्रोत्साहित किया  
चंडीगढ़, 2 मार्च (आशीष): डीएवी कॉलेज सेक्टर-10 के लाइब्रेरी क्लब 'राह' ने आज लाइब्रेरी में बुक एक्सचेंज प्रोग्राम और रैफरेंस हंटिंग इवेंट का आयोजन किया। इवेंट के तहत बुक ड्राइव 20 फरवरी को शुरू किया गया। शिक्षकों ने अपने विद्यार्थियों को प्रोत्साहित किया कि वे पुस्तकालयों में अधिक समय बिताने के लिए प्रेरित हों।



छात्रों को सम्मानित करते प्रिंसिपल पवन शर्मा। (परम)  
पुस्तकालयों में जाकर ज्ञान प्राप्त करने के लिए प्रेरित करने का एक प्रयास है। उन्होंने छात्रों से यह प्रयास जारी रखने का आह्वान किया और कहा कि हर छोटा प्रयास मायने रखता है और छोटी चीजें बड़ा अंतर पैदा करती हैं।

## चंडीगढ़ कितनी भी हो जाए तरक्की पर शहरों का जीवन आज भी चुनौतियों से भरा: वरुण

चंडीगढ़ कितनी भी हो जाए तरक्की पर शहरों का जीवन आज भी चुनौतियों से भरा: वरुण  
चंडीगढ़ कितनी भी हो जाए तरक्की पर शहरों का जीवन आज भी चुनौतियों से भरा: वरुण

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### शूटिंग में जात दा स्वर्ण पदक



प्रतियोगिता के दौरान पटक जीतने वाले शूटिंग के खिलाड़ी। संकाय

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अमरउजाला  
बुधवार • 16.03.2023

चंडीगढ़। ऑल इंडिया इंटर यूनिवर्सिटी शूटिंग चैंपियनशिप में पंजाब यूनिवर्सिटी के शूटरों ने कांस्य पदक जीता। प्रदर्शन करते हुए दो स्वर्ण पदक जीता। 10 मीटर एयर पिस्टल इवेंट में मंजब यूनिवर्सिटी के सर्वजोत सिंह ने 391 अंक हासिल कर स्वर्ण जीता। जबकि यश ने दूर अर्जुन सिंह चीमा ने कांस्य जीता। इस स्पर्धा में 10 मीटर एयर राइफल इवेंट में पंजाब यूनिवर्सिटी के सूर्य प्रताप सिंह ने 423.3 अंक हासिल कर स्वर्ण जीता जबकि हृद्य ने रजत पदक जीता।



पीयू में शैक्षिक दौर के दौरान मौजूद डीएवी के विद्यार्थी। अमर उजाला



पीयू में शैक्षिक दौर के दौरान मौजूद डीएवी के विद्यार्थी। अमर उजाला

## फॉरेंसिक क्षेत्र में कॅरिअर के अवसरों से करवाया अवगत

सेक्टर-10 स्थित डीएवी कॉलेज ने फॉरेंसिक विभाग में परास्नातक स्तर पर आयोजित कार्यक्रम का आयोजन किया। कार्यक्रम का उद्देश्य छात्रों को फॉरेंसिक क्षेत्र के अवसरों से अवगत करवाया। कार्यक्रम में डॉ. पवन शर्मा, डॉ. ज्योत्सना रेखी, और भौतिकी विभाग से डॉ. योग्यता पठानिया और डॉ. करण सिंह विनायक भी मौजूद रहे। पीयू फॉरेंसिक विभाग के अध्यक्ष डॉ. विशाल शर्मा ने कार्यक्रम के क्षेत्र में छात्रों के लिए अवसरों से अवगत करवाया।

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तीन कॉलेजों और पांच स्कूलों को बेस्ट हर्बल गार्डन पुरस्कार  
चंडीगढ़। सेक्टर-10 स्थित डीएवी कॉलेज के फॉरेंसिक विभाग में आयोजित कार्यक्रम का उद्देश्य छात्रों को फॉरेंसिक क्षेत्र के अवसरों से अवगत करवाया। कार्यक्रम में डॉ. पवन शर्मा, डॉ. ज्योत्सना रेखी, और भौतिकी विभाग से डॉ. योग्यता पठानिया और डॉ. करण सिंह विनायक भी मौजूद रहे। पीयू फॉरेंसिक विभाग के अध्यक्ष डॉ. विशाल शर्मा ने कार्यक्रम के क्षेत्र में छात्रों के लिए अवसरों से अवगत करवाया।

सरबजोत 10.2, 10

डीएवी में माॅक पार्लियामेंट



## SWAMI DAYANAND SARASWATI

(1824-1883)

1. God is the efficient cause of all true knowledge and all that is known through knowledge.
2. God is existent, intelligent and blissful. He is formless, omniscient, just, merciful, unborn, endless, unchangeable, beginning-less, omnipresent, immanent, un-aging, immortal, fearless, eternal and holy and the maker of all. He alone is worthy of being worshiped.
3. The vedas are the scriptures of all true knowledge. It is the paramount duty of all Aryas to read them, teach them, recite them and to hear them being read.
4. One should always be ready to accept truth and to renounce untruth.
5. All acts should be performed in accordance with Dharma that is, after deliberating what is right and wrong.
6. The prime object of the Arya Samaj is to do good to the world, that is, to promote physical, spiritual and social good of everyone.
7. Our conduct towards all should be guided by love, righteousness and justice.
8. We should dispel Avidya (ignorance) and promote Vidya (knowledge).
9. No one should be content with promoting his/her good only; on the contrary, one should look for his her good in promoting the good of all.
10. One should regard oneself under restriction to follow the rules of society calculated to promote the well being of all, while in following the rules of individual welfare all should be free.



# DAV COLLEGE

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