



# Annual Report 2023-24

# S. D. College Barnala



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## Vision

To become the preferred destination for the students aspiring for higher education - Education that will make the students sensitive, responsible and progressive so that they can shape the best future for themselves.

## Mission

Our mission is to make sustained efforts for the multidimensional, all round development of the students by expanding their horizon of knowledge as well as nurturing high values and social responsibility so that they can contribute their best towards the progress of the nation.

## Objectives

- To emerge as centre of academic excellence.
- To impart quality education with focus on moral and ethical orientation.
- To cater the needs of the students with a rural background and from socio-economically challenged strata of the society.
- To provide opportunities for exploring the talent of the young minds.
- To provide the supportive atmosphere for promoting the individual and collective excellence of the students.
- To design programmes for training students to attain logical and critical thinking for encountering the challenges ahead.
- To build state of the art infrastructure with latest technology so as to enhance the teaching learning experience.
- To create a cadre of motivated and prospective individuals.
- To provide and enrich the educational programmes/courses in various disciplines/streams in response to changing regional, national and global scenario, with emphasis on employment/skill oriented programmes in formal and non-formal mode.



## COLLEGE PROFILE



S.D. COLLEGE is a premier educational institute of this area and has maintained high academic standing and reputation for excellence in teaching. This institution was established by Late Sh. Raghubir Parkash Ji, a multifaceted personality and Sh. Anand Sarup Ji, a dynamic personage with progressive thoughts and both eminent persons worked coherently for the systematic development of the Institution. As a result, the college has carved an inimitable academic space for itself in the educational arena of Punjabi University and has been surging ahead for realizing its goal of imparting career oriented quality education. This institute is serving as a light house of hope and knowledge for those who have a quest for learning and is shaping their future. The institute is famous for providing cutting edges to academic and co-academic activities through its commitment to innovative and student friendly environment. The institute has produced a galaxy of alumni who have achieved higher levels of success in their career as academicians, bureaucrats, lawyers, doctors, engineers, management professionals, sports persons, social workers and scholars of repute. The college emphasizes on personalized attention to prepare the students for new professional avenues through its placement and career guidance cell. The sole aim of the institute is to provide perfect ambience to young minds so as to enable them to attain high standards of knowledge in their upcoming fields.





Besides grooming their overall personality through curricular and co-curricular activities, we endeavor to inculcate confidence, discipline, motivation and a desire to excel in our students.

The College has a dynamic, supportive and innovative managing committee resonating with new ideas for the uplifting of this institute and always strives for stronger and brighter prospective for our students. The institute has completed glorious 67 years and has touched the pinnacles of success. We will work consistently to track new destinations by disseminating quality education to the society.

The college campus has spacious classrooms for students. It has total 13 laboratories for computer, chemistry, physics, biology, biotechnology, psychology as well as music room and a media lab. All computer labs in the college have centralized air conditioning system and are furnished with latest technology, computers and internet connection. Internet facility is provided to all the students & faculty members. All computer labs are furnished with smart boards and LCD projectors to impart computer aided teaching. Generator facility is also available in the whole of the campus.

Science and Bio-technology labs are well equipped with infrastructure for conducting practical's at degree level. The college has well stocked library with more than 22000 books on different subjects. It provides about 50 newspapers, magazines and journals in languages Punjabi, Hindi and English. The library has commodious reading rooms for the faculty members and the students. It has a text book bank for the needy and meritorious students. The college playground provides ample facilities for sports. The college has separate canteens for boys as well as for girls. The college has separate common room & cycle stand for the girl students. An extension counter of SBI is also there in the institute.



## PROGRAMS OFFERED

### Post-Graduation Programs

<u>COURSE</u>	<u>DURATION</u>	<u>ELIGIBILITY</u>
M.Com.	2 Years	Graduation with 50% Marks
M.Sc.(Mathematics)	2 Years	Graduation with 50% Marks
M.A.(Punjabi)	2 Years	Graduation with 50% Marks
M.A.(English)	2 Years	Graduation with 50% Marks
M.Sc.(IT)	2 Years	Graduation with 50% Marks
M.Sc.(IT) Lateral Entry	1 Year	P.G.D.C.A. with 50% Marks

### Vocational Programs

<u>COURSE</u>	<u>ELIGIBILITY</u>
B.Voc.*(Medical Laboratory & Molecular Diagnostic Technology)	10+2 (Any Stream)
B.Voc.(Software Development)	10+2 (Any Stream)
B.Voc. (Journalism & Multimedia Technologies)	10+2 (Any Stream)

1 Year Diploma, 2 Years Advanced Diploma, 3 Years Bachelors Degree

### Graduation Programs

<u>COURSE</u>	<u>DURATION</u>	<u>ELIGIBILITY</u>
B.C.A.	3 Years	10+2
B.B.A.	3 Years	10+2
B.Sc.(Medical)	3 Years	10+2 (Medical)
B.Sc.(Non Medical)	3 Years	10+2 (Non-Medical)
B.Com.	3 Years	10+2
B.A.	3 Years	10+2
B.Sc. (Computer Applications)	3 Years	10+2 (Non-Medical)

### Other Programs

<u>COURSE</u>	<u>DURATION</u>	<u>ELIGIBILITY</u>
B. Lib. & Info. Sci.	1 Year	Graduation with 50% Marks
P.G.D.C.A	1 Year	Graduation with 50% Marks



## Students Enrollment

Sr. no.	Programme name	Number of students admitted
1.	B.A.I	498
2.	B.A.II	260
3.	B.A.III	240
4.	B.Com.I	199
5.	B.Com.II	104
6.	B.Com.III	108
7.	B.Sc.I.Med	31
8.	B.Sc.II.Med	17
9.	B.Sc.III.Med	27
10.	B.Sc.I.N.M.	77
11.	B.Sc.II.N.M.	39
12.	B.Sc.III.N.M.	44
13.	B.C.A.I	129
14.	B.C.A.II	57
15.	B.C.A.III	63
16.	B.B.A.I	61
17.	B.B.A.II	30
18.	B.B.A.III	28
19.	B.Voc (ML) I	58
20.	B.Voc (ML) II	32
21.	B.Voc (ML) III	18
22.	B.Voc. I Software Dev	58
23.	B.Voc. II Software Dev	28
24.	B.Voc. III Software Dev	16
25.	B.Voc. I. JMT	58
26.	B.Voc. II. JMT	16
27.	B.Voc. III. JMT	17
28.	M.A.I English	19
29.	M.A.II English	12
30.	M.A.I Punjabi	25
31.	M.A.II Punjabi	18
32.	M.Com.I	25
33.	M.Com.II	5
34.	M.Sc.I.T.-I	9
35.	M.Sc.I.T.-II	7
36.	M.Sc.IT.L.E.II	1
37.	PGDCA	17
38.	B.Lib.Science	23
39.	M.Sc.I. Maths	8
40.	M.Sc.II. Maths	11



## Students Results

Year	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
2024	BA	210	162
2024	B.Com.	106	102
2024	B.Sc.(Non Medical)	44	40
2024	B.Sc.(Medical)	27	25
2024	BCA	61	49
2024	BBA	28	28
2024	B.Voc.(Software Development)	15	15
2024	B.Voc.(ML & MDT)	18	17
2024	B.Voc.(JMT)	17	16
2024	B.Lib & Info. Science	22	21
2024	PGDCA	17	14
2024	M.Sc.(IT)	7	5
2024	M.Sc.(IT)Lateral Entry	1	0
2024	M.A.(English)	12	12
2024	M.A.(Punjabi)	14	13
2024	M.Com.	5	5
2024	M.Sc.(Maths)	11	11



## Faculty

S.no.	Name of the Full-time Teacher	Name of the Department	Designation
1.	Mrs. Nirmal Gupta	English	Associate Professor
2.	Sh. Amrish Kumar	Commerce	Associate Professor
3.	Ms. Neeru Goel	English	Associate Professor
4.	Mrs. Anuradha Sharma	Punjabi	Associate Professor
5.	Mrs. Renu Dharni	Economics	Associate Professor
6.	Dr. Rajesh Kumar Gupta	Economics	Associate Professor
7.	Sh. Shoaib Zafar	Pol. Science	Associate Professor
8.	Sh. Ashwani Kumar	Mathematics	Associate Professor
9.	Dr. Renu Bala (Singla)	Zoology	Associate Professor
10.	Mrs. Upasana Rani	Mathematics	Associate Professor
11.	Dr. Bahadur Singh	Physical Edu.	Associate Professor
12.	Mrs. Anamika	Librarian	Librarian
13.	Mrs. Savita Sood	Chemistry	Associate Professor
14.	Mrs. Rajni Gupta	Chemistry	Associate Professor
15.	Dr. Kulbhushan Rana	Chemistry	Associate Professor
16.	Dr. Reetu Aggarwal	English	Associate Professor
17.	Dr. Jagtar Singh	Punjabi	Associate Professor
18.	Dr. Baltej Singh	Physics	Assistant Professor
19.	Mrs. Monika Singla	Computer	Assistant Professor
20.	Dr. Inderpreet Kaur	English	Assistant Professor
21.	Mrs. Sonia Goyal	Commerce	Assistant Professor
22.	Dr. Manoj Kumar Gupta	Physics	Assistant Professor
23.	Dr. Manjeet Singh	History	Assistant Professor
24.	Dr. Tarspal Kaur	Punjabi	Assistant Professor
25.	Dr. Manish Kumar	Botany	Assistant Professor

## Faculty

S.no.	Name of the Full-time Teacher	Name of the Department	Designation
26.	Sh.Gurparvesh Singh	JMC	Assistant Professor
27.	Sh.Satpal Singh	English	Assistant Professor
28.	Dr. Sanjay Kumar Singh	Physics	Assistant Professor
29.	Sh. Amandeep Sharma	Hindi	Assistant Professor
30.	Sh.Ashutosh Dharni	Computer	Assistant Professor
31.	Dr.Vandana Kukreja	B.Voc	Assistant Professor
32.	Dr. Amardeep Kaur	Botany	Assistant Professor
33.	Sh.Amardeep Singh	Computer	Assistant Professor
34.	Sh.Harbaksh Singh	Computer	Assistant Professor
35.	Mrs.Nirupma	Computer	Assistant Professor
36.	Mrs.Amandeep Kaur	Computer	Assistant Professor
37.	Sh.Gaurav Singla	B.Voc	Assistant Professor
38.	Sh.Jasbir Singh	Computer	Assistant Professor
39.	Mrs.Sunita Rani	B.Lib	Assistant Professor
40.	Mrs.Shipali	Computer	Assistant Professor
41.	Dr.Jeet Kaur	Punjabi	Assistant Professor
42.	Sh.Harpreet Singh	Punjabi	Assistant Professor
43.	Mrs.Gurpreet Kaur	Computer	Assistant Professor
44.	Mrs.Priyanka Baghla	BBA	Assistant Professor
45.	Mrs.Amandeep Kaur	Punjabi	Assistant Professor
46.	Mrs.Gitanjali Jain	Commerce	Assistant Professor
47.	Sh.Rachhpaul Singh	BBA	Assistant Professor
48.	Dr.Satpal Kaur	History	Assistant Professor
49.	Sh.Swaran Singh	Commerce	Assistant Professor
50.	Mrs.Shikha Bansal	Computer	Assistant Professor
51.	Ms. Savi Goyal	English	Assistant Professor



## Faculty

S.no.	Name of the Full-time Teacher	Name of the Department	Designation
52.	Sh.Jatinder Kaur	Commerce	Assistant Professor
53.	Ms.Jaspreet Kaur	Commerce	Assistant Professor
54.	Sh.Gurkeert singh	Mathematics	Assistant Professor
55.	Mrs.Poonam Garg	B.Voc	Assistant Professor
56.	Mrs.Randeep Sharma	B.Voc	Assistant Professor
57.	Mrs.Ritika	B.Voc	Assistant Professor
58.	Sh.Balwinder Singh	Punjabi	Assistant Professor
59.	Sh.Jagjit Singh	Punjabi	Assistant Professor
60.	Sh.Manjeet Singh	B.Voc	Assistant Professor
61.	Sh.Ashok Kumar	Music	Assistant Professor
62.	Mrs.Jaswinder Kaur	Phy.Education	Assistant Professor
63.	Dr.Kirandeep Kaur	Punjabi	Assistant Professor
64.	Sh.Lakhvir Singh	B.Voc	Assistant Professor
65.	Mrs.Amandeep Kaur	B.Voc	Assistant Professor
66.	Dr.Dimple Rani	Maths	Assistant Professor
67.	Dr.Kamalpreet Kaur	Zoology	Assistant Professor
68.	Ms.Jashanpreet Kaur	English	Assistant Professor
69.	Sh.Vikas	Commerce	Assistant Professor
70.	Mr.Sahil Garg	B.Voc	Assistant Professor
71.	Ms.Riya	Mathematics	Assistant Professor
72.	Ms.Mandeep Kaur	BBA	Assistant Professor
73.	Mr.Vikram Singh	Public Administration	Assistant Professor
74.	Mrs.Gagandeep Kaur Bhathal	Punjabi	Assistant Professor
75.	Mrs.Kajal Jain	Zoology	Assistant Professor
76.	Ms.Khusbu Singla	Commerce	Assistant Professor
77.	Ms.Ekta Bansal	Commerce	Assistant Professor

## Research Papers Publications

S.No.	Title of Research paper	Name of the author/s	Department of the teacher
1.	Bioactive phytochemicals from Ephedra: An updated review,"	Manish Kumar	Botany
2.	c-Jun N-terminal Kinase (JNK), p38, and Caspases: Promising Therapeutic Targets for the Regulation of Apoptosis in Cancer Cells by Phytochemicals.	Manish Kumar	Botany
3.	<i>In Vitro</i> Modulation of genotoxicity and oxidative stress by polyphenol-rich fraction of Chinese Ladder Brake ( <i>Pteris vittata</i> L.).	Manish Kumar	Botany
4.	<i>STRUCTURAL, PHASE TRANSITIONAL &amp; MAGNETIC PROPERTIES OF NEODYMIUM NITRIDE UNDER HIGH PRESSURE: A FULL POTENTIAL STUDY</i>	Nikhil Kumar, Sanjay Kumar Singh, Meena Kumari & S. S. Acharya	Physics
5.	<i>AB-INITIO INVESTIGATIONS OF STRUCTURAL PROPERTIES OF Re-Mg (Re = Ce, Pr, Nd) ALLOY</i>	Toshar Garg, Shweta, Aditi Rani, Sanjay Kumar Singh, Nikhil Kumar, M. Kumari & S. S. Acharya	Physics
6.	Study of photon shielding effectiveness of recycled environment waste Cement Kiln Dust doped Bismuth Alkali Borate glasses	Baltej Singh Sidhu, Manoj Kumar Gupta, A S Dhaliwal and K S Kahlon	Physics



## Books and Books Chapters Publications

S.No.	Books/Books chapters Published	Name of the teacher	Department of the teacher
1.	Starch-based nanomaterials, their properties and sources	Dr. Renu Bala	Zoology
2.	Media Studies XII (Book Chapter)	Gurparvesh Singh	JMC
3.	Hindi Natak: Samaj & Samvedna ke Vividh Ayam	Amandeep Sharma	Hindi
4.	Consumer Attitude Towards Beauty Products: A Systematic Literature Review	Sonia Goyal	Commerce
5.	Artificial Intelligence in Human Resource Management	Nirupama	Computer
6.	Medicinal plants used against <i>Escherichia coli</i> : Antimicrobial Agents for Future Drug formulation in the Book "Yam". (Book Chapter)	Manish Kumar	Botany
7.	Hepatoprotective Molecules from Himalayan Plants and their Role in Xenobiotic Mechanisms: A Tabulated Review in the Book: "Bioactive Phytochemicals from Himalayas: A Phytotherapeutic Approach" (Book Chapter)	Manish Kumar	Botany
8.	<i>Saccharum spontaneum</i> : a medicinally important grass of India. Medicinal Poaceae of India in the Book "Medicinal Poaceae of India," (Book Chapter)	Manish Kumar	Botany
9.	Bioactive Phytochemicals from Himalayas: A Phytotherapeutic Approach (Book)	Manish Kumar	Botany
10.	Antidiabetic Plants Volume II (Book)	Manish Kumar	Botany

## Workshops/Seminars/Conference Programs Conducted

Year	Name of the workshop/seminar/conference	Number of Participants	Date From – To
2023	Two Week Interdisciplinary Summer Training Program	35	29-07-2023 to 11-8-2023
2024	Workshop and hands on training on UV - Visible Spectroscopy	65	February 29, 2024
2024	Extended Lectures: Organometallics & Mass Spectrometry	60	March 11, 2024
2024	Lecture come Workshop on Synthesis of Nanoaggregates Solution Combustion Method)	85	March 22, 2024
2024	Workshop on "Extraction and Formulation of Herbal Drugs"	50	March 28, 2024
2024	Lecture on “ Exploring the Energetic Rythms of Sub-Nucleonic Realm with world’s largest machine”	70	2nd March,2024.
2024	Hands on training on Preparation of carbon nanorods using a simple technique & A poster presentation competition	40	1-2nd March,2024.
2024	Three Days workshop on “Electronics Based project”	45	12th to 14th March 2024
2024	One day hands-on training programme on "Exploring Oscilloscopes: CRO vs. DSO	37	18th March 2024
2024	Extraction and Formulation of Herbal Drugs	65	3/28/2024



## Students Participating in Extension Activities

Name of Activity	Organizing unit/Agency/Collaborative Agency	Name of Scheme	Year of the activity	Number of teachers participated in such activities	Number of students participated in such activities
ORGAN DONATION DAY	S.D. College, Barnala with Civil Hospital Barnala	75th Amrit Maha Utsav	2023	6	75
MERI MATI MERA DESH” CAMPAIGN	S.D. College, Barnala with village panchyat Khudi Khurd	'Azadi Ka Amrit Maha Utsav Abhiyan'	2023	6	50
Major Dhyan Chand, Birth Anniversary	S.D. College Institutions, Barnala	NATIONAL SPORTS DAY	2023	25	104
MANAV SANKALAP SEVA DIWAS	S.D. College with Red Cross Society	Community Service	2023	10	180
Environment Awareness Seminar	S.D. College Institutions, Barnala	Swachhata Abhiyan	2023	10	103
Awareness rally alongwith plantation	S.D. College Institutions, Barnala	Swachhata Abhiyan	2023	12	130
One DAY Camp	S.D. College, Barnala	Swachhata Abhiyan	2023	6	120
Street Play dedicated to the birth anniversary of Shaheed Bhagat Singh	S.D. College, Barnala	Theater Department	2023	10	10
Rally, play, seminar, speech, poster making	S.D. College, Barnala	Swachhata Diwas	2023	15	155
Awareness campaign against dengue mosquitoes	S.D. College, Barnala with health department Barnala	Awareness campaign	2023	10	300
Kalash Yatra	Regional Director Chandigarh	Meri Mati Mera Desh Abhiyan	2023	20	125
Blood Donation Camp	Civil Hospital Barnala	Khoon Daan Maha Kalyan'	2023	15	100
Youth for Peace Day	Nehru Yuva Kendra Barnala	Youth for Peace Day	2023	6	80
Independence Day	District Administration Barnala	Independence Day	2023	1	37
Gandhi Jayanti	S.D. College, Barnala	Sawacha Abhiyan	2023	1	92
Pledge ceremony under "Swachhata Abhiyan"	S.D. College Institutions, Barnala	Swachhata Abhiyan	2024	6	70
One Day Camp	S.D. College, Barnala	Swachh Bharat Abhiyan campaign	2024	6	70
Street Play	S.D. College, Barnala	concerned with the ideology of Shaheed Bhagat Singh	2024	6	70
Republic Day Camp, New Delhi	Government of India	Republic Day Camp, New Delhi	2024	nil	1
NCC Prime Minister Rally	Government of India	NCC Prime Minister Rally	2024	nil	1
Republic Day	District Administration Barnala	Republic Day	2024	1	37

## Professional Development /Administrative Training Programs

Year	Name of the Department	Resource Persons	Title of the Professional development / administrative training program	Dates (from-to) (DD-MMYYYY)
2023-2024	MATHEMATICS	ASSOCIATE PROFESSOR DR. PARAMJEET SINGH & ASSISTANT PROFESSOR DR. VIVEK SANGWAN,, DEPARTMENT OF MATHEMATICS, THAPAR INSTITUTE OF ENGINEERING AND TECHNOLOGY, PATIALA	TWO DAYS WORKSHOP ON MATLAB	12-03-2024 to 13-03-2024
2023-2024	COMPUTER APPLICATIONS	ASHUTOSH DHARNI, HOD, DEPARTMENT OF COMPUTER APPLICATIONS , S D COLLEGE	FACULTY DEVELOPMENT PROGRAMME ON N.E.P 2020	22/05/2024



## Activities Galore

(Under DBT Star College Scheme)  
Department of Mathematics

### Workshop on MATLAB



A two-day workshop was held on March 12<sup>th</sup> and 13<sup>th</sup>, 2024, by the Department of Mathematics in which 36 students participated. Dr. Vivek Sangwan, Assistant Professor, Department of Mathematics, Thapar Institute of Engineering and Technology, Patiala, provided an overview of MATLAB software on the first day and taught the students how to operate matrices and programming. On the second day, Dr. Paramjeet Singh, Associate Professor in the Mathematics department at Thapar Institute of Engineering and Technology, Patiala, further expanded the students' understanding by guiding them in creating more challenging programs. He emphasized the importance of learning programming languages for students to succeed in any field.

### Inter-College Quiz Competition



Team Kusumanjali, Parika, and Manpreet secured first position, and Team Mehakdeep Kaur, Khushi, and Himanshi secured second position in an Inter-College Quiz Competition held at Khalsa College, Patiala on November 21, 2023.

### Guest Lectures

The Department of Mathematics invited Dr. Rakesh Kumar from the Mathematics Department, Punjabi University, Patiala, on March 19, 2024, to deliver two guest lectures on "Introduction to Curves" and "Geometric Visualization of Surfaces". With engaging examples drawn from daily life, Dr. Rakesh Kumar offered students a deeper understanding of these topics.



### Educational Excursion to SLIET, Longowal



The students and faculty members from the Department of Mathematics embarked on an educational trip to Sant Longowal Institute of Engineering and Technology, Longowal on March 21, 2024. Dr. Mishra elucidated practical applications of mathematical concepts in daily life. Dr. Vijay Kumar Kukreja enriched the visit with a comprehensive lecture on MATLAB Software, complemented by hands-on learning in the department's computer labs. The students also visited other departments such as Physics and Chemistry.



## Activities Galore

(Under DBT Star College Scheme)

Department of Physics



### NGPE-2024 Conducted

The Department of Physics, in collaboration with the Indian Association of Physics Teachers, organized the National level exam NGPE-2024 for BSc Non-Medical students. Twenty-seven students participated in this session, with eight students receiving top merit certificates. Dr. Manoj Kumar Gupta served as the Centre Incharge for this examination.

### National Science Day



Dr. Manoj Kumar Gupta, Assistant Professor in the Department of Physics at S. D. College Barnala, was invited as the Chief Guest for the National Science Day celebration at Government Ranbir College, Sangrur, on March 1, 2024. During the event, he delivered a guest lecture on "Adverse Effects of Radiations on Communication."

### Seminar, Workshop and Guest Lecture



The Department of Physics organized a seminar, poster presentation, and workshop on 'Nano-material and High Energy Physics and its Applications Across Various Sectors' on March 1-2, 2024, under the DBT Star College Scheme. This two-day event comprised four sessions. On 1<sup>st</sup> March, Dr. Pukhrambham Deepak, a resource person from Chandigarh University, discussed Nanomaterials and their applications. A poster presentation competition was also held, in which 29 students participated. On 2<sup>nd</sup> March, Dr. Capt. Rituraj Singh, a Post-Doctoral Fellow from IIT Indore, delivered a **guest lecture on the origins of the Universe**. Following the lecture, students received hands-on training in preparing carbon nanorods using a simple technique in the Physics lab, led by Dr. Pukhrambham Deepak.

### Hands-on-Training Cum Workshop



The Department of Physics organized a "Three Days Electronics Based Hands-on-Training Programme Cum Workshop" from March 12-14, 2024. Mr. Sukhvinder Singh, Coordinator from N.I.E.R.T, Patiala, was invited as the resource person for this workshop. Over 75 students from B.Sc. NM (I, II, and III) participated, gaining valuable insights into various electronics and electrical components such as resistors, capacitors, LEDs, transformers, LDRs, MOSFETs, VDRs, relays, speakers, buzzers, presets, diodes, and transistors. They enhanced their knowledge by working on electronics-based projects under the guidance of the resource person.



## Activities Galore

(Under DBT Star College Scheme)

Department of Physics

### One Day Training Programme



The Department of Physics organised a One-Day Training Programme on March 18, 2024, titled "Exploring Oscilloscopes: CRO vs. DSO." Dr. Asha Rani, Assistant Professor, PG Department of Physics, Dev Samaj College for Women, Ferozpur, was the resource person. The programme covered the principles, applications, and practical uses of Digital Storage Oscilloscopes (DSO) and Cathode Ray Oscilloscopes (CRO). Students participated in experiments and learned how to test various electrical components using these devices.

### Educational Visit to MRSPTU, Bathinda



The faculty members and students visited the Department of Physics and the Idea Lab at MRSPTU, Bathinda on March 20, 2024. Dr. Satnam Singh, introduced the students to the instruments available in the Radiation Physics Lab, Electronics Lab, and Idea Lab.

### Participation in NIUS Summer Training Camp



Manjeet Kaur, a student of B.Sc. (I) Non-Medical at S.D. College Barnala, secured a place in the prestigious National Initiative on Undergraduate Science (NIUS) 20.1 Summer Training Camp held at HBCSE, Mumbai from July 5 to July 17, 2023. She emerged as one of the top performers among 72 students in the NGPE-2023 examination conducted by the Department of Physics under the aegis of Indian Association of Physics Teachers.



## Activities Galore

(Under DBT Star College Scheme)

Department of Physics

### Orientation Programme



S. D. College, Barnala, organised an Orientation Programme on August 2nd, 2023, for new B.Sc. (Non-Medical) students, to familiarise them with the faculty and curriculum, and to provide a tour of labs and departments.

### Presentation on Nobel Laureates

Dr. Sanjay Kumar Singh, Assistant Professor in the Department of Physics, offered insights into the 2023 Nobel Laureates in Physics and their remarkable contributions through a presentation on October 11, 2023.



### Poster Presentation in Conferences

In the DBT-sponsored National Conference on Emerging Trends in Science and Technology for Sustainable Development, held on March 2, 2024, at DAV College Bathinda, Mehakdeep Kaur, Aanchal Rani (B.Sc-III), and Preeti (B.Sc-II) were awarded the Best Poster Prize for their Presentation titled "Study of Photon Attenuation Parameters of Flyash-Lime Gypsum samples in the energy range of 15keV to 15MeV.



Dr. Manoj Kumar Gupta, Dr. Sanjay Kumar Singh, and four students (Toshar Garg, Shewta, Gurpreet Kaur, and Deepmala) showcased their research findings through oral and poster presentations at the two-day National Conference on Advanced and Emerging Materials for Technological Applications (AEMTA 2024) at SLIET, Longowal.



Toshar Garg, a student of B.Sc III Non-Medical, presented a poster at the International Conference on Decent Advancement and Sustainable Nano Science and Technology held at IIS, Jaipur on January 30-31, 2024.



## Activities Galore

(Under DBT Star College Scheme)  
Department of Chemistry

### Workshop and Hands-on-Training Programme



A one day Workshop and Hands-on-Training Programme on 'UV-Visible Spectroscopy' was organised by the Department of Chemistry on 29th Feb 2024. In this programme, 65 students from medical as well as non-medical streams received hands-on-training from Dr. Manmohan Chibber, Head, Dept. of Chemistry & Biotechnology, Thapar Institute of Engineering & Technology, Patiala.

### Extended Lectures



The Department of Chemistry organised extended lectures on 'Organometallic Compounds and Mass Spectroscopy'. on 11th March 2024. Dr. Gulshan Kumar Bansal, Professor and Head, Dept. of Pharmaceutical Sciences and Drug Research, Punjabi University, Patiala, led the first two sessions on mass spectroscopy principles and applications. Dr. Meenu, Assistant Professor at Punjab Technical University, Bathinda, covered organometallic compound types, bonding, and practical uses in the remaining sessions.

### Lecture cum Workshop on Nanotechnology



A one-day Lecture cum Workshop on Nanotechnology was conducted by the Dept. of Chemistry on 22nd March 2024, featuring Dr. Rajesh Kumar from JC DAV College, Dasuya, as the Resource Person. Dr. Kumar explained various methods of preparing nano-materials and their benefits, emphasising particle breakdown or combination. In the hands-on session, students prepared nano-materials like zinc oxide, chromium oxide, and nickel oxide using a muffle furnace. Dr. Kumar also discussed nano-material applications, including stain repellent clothes and solar cell coatings.

### Educational Expedition to PAU, Ludhiana



The Department of Chemistry organised an educational expedition to PAU, Ludhiana on March 27, 2024. The students, under the supervision of Dr. Kulbhushan Rana and Mrs. Rajni Gupta visited the Department of Chemistry and Soil Sciences. Dr. Vijaykant Singh guided students through the soil museum, explaining soil types and composition. They also explored chemistry labs, learning about analytical instruments like AES and AAS. Additionally, they received insights into water and electricity conservation at the Dr. Uppal Museum of Water and Power Resources.



## Activities Galore

(Under DBT Star College Scheme)  
Department of Chemistry

### Poster Presentations in National Conference at DAV College, Bathinda on 2<sup>nd</sup> March 2024



Lovepreet Kaur and Rahul (B. Sc. III) presented their poster on "Hydrogen as an Alternative Fuel"

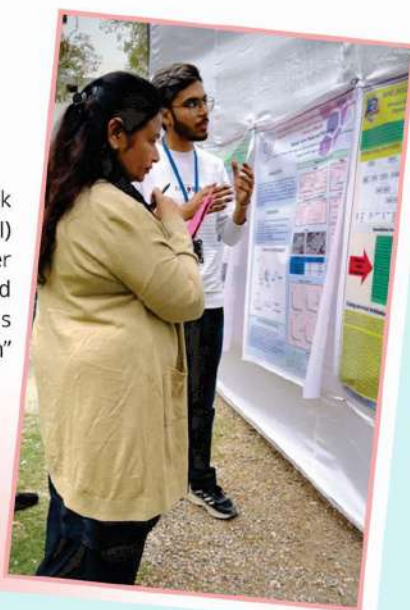


Sangeeta Sharma, Komal and Deepmala (B. Sc. II) presented their poster on "Microfluidic Paper-Based Analytic Devices"



Eeshita, Nandika, Pritpal Kaur, Manpreet Kaur, Jashan, Rajveer Kaur (B.Sc. I) presented their poster on "Hydrogen as an Alternative Fuel"

Manjot Singh and Palak Sharma (B. Sc. II) presented their poster on "Soil Pollution and Heavy Metals Remediation"



Sandeep Kaur, Harpreet Kaur, Khushpreet Kaur (B. Sc. II) and Prof. Rajni Gupta presented their poster on "Paper-Based Micro-Fluidics Analytical Methods for Analysis of Organic Compounds"





## Activities Galore

(Under DBT Star College Scheme)  
Department of Botany

### Interdisciplinary Summer Training Programme

A Two-Week Interdisciplinary Summer Training Programme was organised by the Department of Botany, in collaboration with the Department of Chemistry under the DBT Star College Scheme from 29th July to 11th August 2023. The main objective of the programme was to improve bench skills and to inculcate scientific aptitude among students. Faculty members from both the departments conducted a variety of interdisciplinary experiments. Dr. Kulbhushan Rana conducted experiments on the synthesis of organic compounds; Dr. Manish Kumar & Prof. Rajni Gupta conducted experiments on the extraction of phytoconstituents and essential oils from various aromatic & medicinal plants using Soxhlet and Clevenger apparatus. Dr. Amardeep Kaur trained students to test multiple soil samples for salinity. The training programme consisted of daily demonstrations followed by student-led experiments.



### Workshop on "Extraction and Formulation of Herbal Drugs"

On March 28, 2024, the Department of Botany, in collaboration with the Department of Chemistry, hosted a workshop on "Extraction and Formulation of Herbal Drugs." Ms. Chitra Singh from SD College of Pharmacy trained around 50 students in preparing herbal creams, facewash from rose petals, and gripe water from fennel seeds. She also emphasized the benefits of herbal products over synthetic alternatives.

### Faculty Participation in National Conference CSF-2024

Dr. Kulbhushan Rana, Associate Professor, Department of Chemistry and Dr. Manish Kumar, Assistant Professor, Department of Botany participated in the National Conference "Chemistry for the Sustainable future (CSF-2024)" at Punjabi University, Patiala on March 7th, 2024





## Activities Galore

(Under DBT Star College Scheme)  
Department of Botany

### Plantation Drive

The Department of Botany conducted a "Plantation Drive" on January 20, 2024, in which various ornamental plants like Marigold, Petunia, and Salvia; Gymnosperms such as Pinus, Cycas, and Cupressus, and medicinal plants like Heeng, Elaichi, and Amla were planted in the college campus and the Botanical Garden. Students also crafted and installed nameplates for each plant.



### Participation in National Conference



On March 2, 2024, six students (2 from B.Sc. Medical II and 4 from B.Sc. III) along with faculty members Dr. Manish Kumar and Dr. Amardeep Kaur participated in the National Conference "Emerging Trends in Science & Technology for Sustainable Development" at DAV College, Bathinda. They engaged in lectures, interacted with researchers, and presented their research through posters, earning an appreciation award in the student category. This conference provided valuable exposure and networking opportunities with prominent figures in scientific fields.

### Guest Lectures



Dr. Ashutosh Sharma, Associate Professor, DAV University, Jalandhar delivered informative lectures on "Mythology and Plant Pathology" and "Fungal Diseases in Plants : Implications in Quality Control of Herbal Medicine."



## Activities Galore

(Under DBT Star College Scheme)

Department of Botany

### Educational Visits

The Department of Botany organised a visit to the DST-CURIE Research & Teaching Laboratory (DCRTL) at Govt. College for Girls, Ludhiana on March 12, 2024, in which 35 students under the mentorship of Dr. Manish Kumar and Dr. Amardeep Kaur participated. Dr. Tarunpreet Singh Thind delivered two lectures on "Instrumentation in Life Sciences" and "Scope of Plant Sciences". Afterward, students explored the laboratory, gaining hands-on experience with advanced equipment. They also visited the Botanical Garden and Mushroom Cultivation Unit on campus.



A visit to Harvaas Nursery, Cheema Jodhpur, Barnala was organised on March 4, 2024 by the Department of Botany to acquaint the students with various techniques of Vegetative plant Propagation, and soil preparations and treatments.



Student visited Ghumaan Seed Farm, Nagra, Sangrur on March 21, 2024



## Activities Galore

(Under DBT Star College Scheme)  
Department of Zoology

### One Week Training Programme



Students of B.Sc. (Medical), accompanied by Dr. Renu Bala, Associate Professor & Head, Dept. of Zoology participated in a One-Week Training Programme on 'Fish Processing and Value Addition' at Krishi Vigyan Kendra, Handiaya, from July 24<sup>th</sup> to 28<sup>th</sup>, 2023.

### One Day Workshop



A One-Day Workshop on 'Preparing and Photographing Slides of Insect Genitalia, Wings, and Legs' was organized by the Dept. of Zoology on March 13<sup>th</sup>, 2024. Dr. Charankamal Sekhon, Head, Dept. of Zoology at Shri Guru Granth Sahib World University, Fatehgarh Sahib, and Ms. Mandeep Kaur from the same department were the Resource Persons. They elucidated various methods and criteria for collecting, preserving, and identifying insects, and the preparation of slides.

### Guest Lecture



A Guest Lecture titled 'Self-sustainability Opportunities for Zoology Students' was organised on March 13<sup>th</sup>, 2024, with Dr. Charankamal Sekhon, Head of the Department of Zoology at Shri Guru Granth Sahib World University, Fatehgarh Sahib, as the distinguished Resource Person.



## Activities Galore

(Under DBT Star College Scheme)

Department of Zoology

### Extension Lectures



Dr. Hina Sachdeva, Assistant Professor at M.M. Modi College, Patiala, delivered lectures on "Neglected Tropical Diseases" and "Human Defence Mechanisms and Immunological Techniques" on March 20<sup>th</sup>, 2024.

Dr. Manish Sharma, Assistant Professor, M. M. Modi College, Patiala, delivered a lecture on 'Forensic Entomology, Molecular Systematic and Phylogeny' on March 20<sup>th</sup>, 2024.



### Educational Visit to Fish Farm



On March 15<sup>th</sup>, 2024, the Department of Zoology organised an Educational Tour to Fish Farm, Katron (Sangrur), Punjab, where students learned about pisciculture, observed fish of various sizes in preparation and stock ponds, gained insights into water testing, and witnessed the operation of a biogas plant.

### Educational Visit to Bir Talab Zoo



An Educational Visit to Bir Talab Mini Zoo, (Bathinda) was organised by the Department of Zoology on March 9<sup>th</sup>, 2024 to provide students practical learning experience about wildlife, biodiversity and conservation efforts.



## National Service Scheme (NSS)

### ORGAN DONATION DAY

On 3rd August 2023, NSS Wing of S. D. College, Barnala celebrated Indian Organ Donation Day, dedicated to the 75th Amrit Maha Utsav. 75 NSS volunteers participated in the event.



### MERI MATI MERA DESH



On 12th August 2023, NSS Wing of S.D. College, Barnala planted 90 saplings at village Khudi Khurd Sports Ground under the 'Meri Mati Mera Desh' campaign in continuation of 'Azadi Ka Amrit Maha Utsav Abhiyan'. In this campaign, the residents of the village who were former college students supported the volunteers under the leadership of NSS Coordinator.

### NATIONAL SPORTS DAY



The NSS Department of S.D. College, Barnala celebrated the Sports Day on 29th August 2023. On this occasion, various competitions of the students were organized, after which the volunteers were made aware of the importance of sports. The events helped in boosting the spirit of the students.

### MANAV SANKALP SEWA DIWAS



The NSS Department of S.D. College, Barnala celebrated Manav Sankalp Sewa Diwas dedicated to Bhai Ghanaiya ji on September 22nd 2023. On this occasion, 180 volunteers were present and they were made aware about providing first aid during an accident.



## National Service Scheme (NSS) SWACHHATA ABHIYAN

### Environment Awareness Seminar



The NSS Department organized pledge ceremony under Swachhata Abhiyan on 25th September 2023.



The NSS Department of the College organized a Seminar on Environmental Awareness on 26th September 2023. Prof. Kulbhushan Rana, Associate Prof., Department of Chemistry was the keynote speaker.

### Awareness Rally



On 27th September 2023, NSS volunteers organized a rally in Barnala city under the 'Swachhta Hi Seva' campaign.

### One DAY Camp

A One-Day NSS camp was organized at the college on 28 September 2023. 120 volunteers cleaned the campus during the Camp.



### Poster and Speech Competition

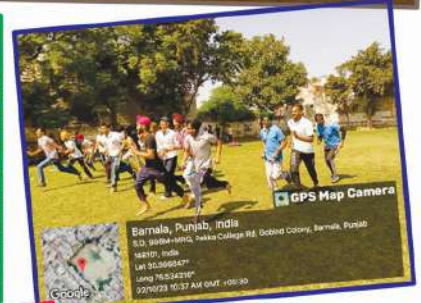
The NSS Department organized a Postermaking Competition and Speech Competition at the college on 29th September 2023.





## National Service Scheme (NSS)

### Swachhata Diwas



A 'Swachhata Day' dedicated to the Birth Anniversary of Mahatma Gandhi was celebrated at the college on the guidelines of the Higher Education Department. On this occasion, Poster making Competition and Speech Competition were organised and a seminar was held and 'Nukkad Natak' was played.

On 13 October 2023, 'Amrit Kalash Yatra' was undertaken under the programme 'Meri Mati Mera Desh' in which farmers and martyrs of the country were remembered. Students along with teachers participated enthusiastically in this trip.





## National Service Scheme (NSS)

### National Youth Day



On 16 January 2024, an Awareness Programme regarding blood donation dedicated to National Youth Day was organized at the college. Meanwhile, observing Road Safety Month, the students were made aware about traffic rules. More over, Poster making Competition, Awareness Rally, Awareness Programme were conducted to motivate the youth to donate blood. On this occasion, Gurbachan Singh, DSP (Traffic) and Jaswinder Singh, Traffic Incharge discussed the traffic rules in detail.

### National Voters Day



'National Voters' Day was celebrated by NSS Department on 25th January 2024. On this occasion, Poster Making Competition was organized, in which students from different departments of the college participated.

### One Day Camp



On February 8, 2023 NSS Department organized one day camp at college under the Swachh Bharat Abhiyan campaign. The college was thoroughly cleaned by the students and they pledged to give priority to cleanliness in future.



## National Service Scheme (NSS)

### International Yoga Day



International Yoga Day was celebrated by NSS, NCC And Sports Department.



### International No Tobacco Day

The NSS Department celebrated 'No Tobacco Day' on 31st May 2024. Volunteers and Programme officers of NSS department took the pledge to stay away from tobacco and other ills that adversely affect our society.

### International Environment Day



International Environment Day was celebrated at the college by NSS Department on 5th June 2024. On this occasion, Poster Making and Slogan Writing Competitions were organized in which about 40 students from different departments of the college participated.



## National Service Scheme (NSS)

### Blood Donation Camps

S.D. College, Barnala organised a series of Blood Donation Camps throughout the session with the relentless efforts of the NSS, NCC and the Sports Department.





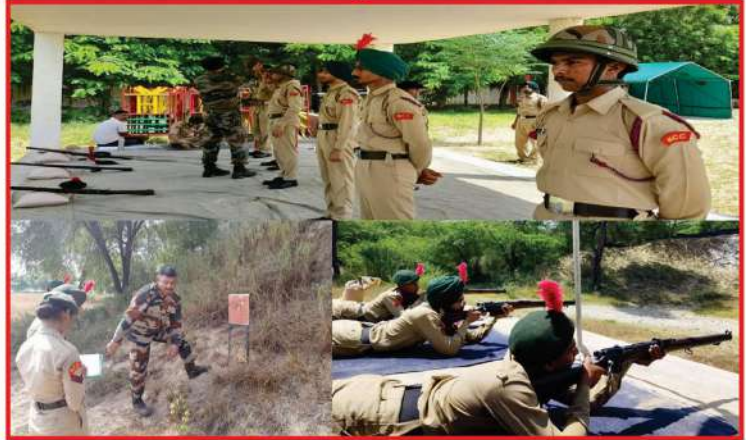
## National Cadet Corps (NCC)

### Independence Day Parade



NCC Cadets participating in District Level Independence Day Parade at Kala Mehar Stadium, Barnala.

### Firing Practice



Thirty NCC Cadets, comprising 21 girls and 9 boys, participated in firing practice at the Guddha Firing Range near Bathinda

### Annual Training Camp



NCC Cadets attended the Annual Training Camp ATC -63 at Rampura Phul, Bathinda from 22-31 August 2023. They underwent rigorous military training, including sessions on map reading, compass usage, Guard of Honour drills and NCC exam preparation.

Colonel K.S. Mathur, Commanding Officer 20 Punjab BN NCC Bathinda, visited S.D. College, Barnala on September 21, 2023, and gave valuable insights and guidance to the cadets.



Principal Dr. Rama Sharma and Lt. Manjeet Singh extending a warm welcome to Colonel K.S. Mathur.

### Firing Competition for the Best Cadet



NCC Cadet SUO Toshar Garg participated in the Firing Competition for the Best Cadet 2023-2024 held at the Guddha Firing Range near Bathinda.

### National Camp



Two NCC Cadets, Amandeep Singh and Priya Mishra, represented their unit at the National Camp EBS-I, held from October 21 to November 1, 2023, in Secunderabad, Telangana.



## National Cadet Corps (NCC)

### NCC Enrolment



20 Punjab BN NCC Bathinda organised NCC Enrolment in S.D. College, Barnala on September 21, 2023 under the supervision of Sub. Bhanwar Singh.

### Constitution Day



The NCC and NSS Wings, in collaboration with other departments, observed Indian Constitution Day. The event was marked by a solemn pledge ceremony and an insightful lecture by Prof. Shoaib Zafar, Associate Professor, Dept. of Political Science, S.D. College, Barnala. With the enthusiastic participation of approximately 200 students, the celebration resonated with the spirit of unity and dedication to the principles of our constitution.

### Army Attachment Camp



Six SD Cadets (Boys), accompanied by NCC ANO Lt. Manjeet Singh, participated in the Army Attachment Camp held at the Army Station, Sangrur, Punjab from 1st to 15th Jan, 2024. Hosted by the 8th Light Cavalry unit Sangrur, the camp provided intensive training under expert staff in various areas

### Rank Ceremony



On November 10, 2023, three cadets, Toshar Garg, Palak, and Navneet Kaur, were awarded ranks by the Commanding Officer of 20 Punjab BN NCC Bathinda. Toshar Garg received the rank of SUO, while Palak and Navneet Kaur were appointed as UOs.



## National Cadet Corps (NCC)



SUO Toshar Garg participated in the Republic Day Parade at Red Fort, New Delhi. He also attended the NCC Prime Minister Rally in New Delhi on January 27, 2024.

### NCC 'C' Certificate Exam



The NCC "C" Certificate Exam was held on 18th Feb 2024 and 13th March 2024 at MRSPTU, Bathinda. Thirty-five cadets (21 girls and 14 boys) participated in this examination.

### NCC "B" Certificate Exam



The NCC "B" Certificate Exam was held on 18th Feb 2024 and 9-10 March 2024 at MRSPTU, Bathinda. Thirty cadets, (9 girls and 21 boys) participated in this examination.

### Republic Day Parade



NCC Cadets participating in District Level Republic Day Parade at Kala Mehar Stadium, Barnala.



## Activities Galore Department of B.Voc (MLMDT)

### Visit to Civil Hospital and Hitech Krsnaa Lab



On September 15, 2023, 32 students of B.Voc MLMDT (I) visited clinical laboratories of Civil Hospital, Barnala under the mentorship of Prof. Poonam Garg and Prof. Ritika Garg. They explored Biochemistry, Haematology, Microbiology labs, as well as the blood bank. Additionally, they explored the Krsnaa lab to learn about modern diagnostic machines. This hands-on experience enriched the understanding of students about clinical diagnostics.

### Health Checkup Camp



The Department of B.Voc MLMDT, in collaboration with Krsnaa Diagnostics, Barnala, organised a one-day Health Checkup Camp on January 12, 2024. The camp offered different tests, from CBC and ESR to blood sugar, lipid profile, liver function, and vitamin assessments. This initiative aimed to promote health awareness and accessibility to medical services.

### Educational Visit to Homi Bhabha TATA Cancer Hospital, Sangrur



On March 27, 2024, 15 B.Voc MLMDT students, accompanied by Dr. Vandana Kukreja and Prof. Poonam Garg, visited Homi Bhabha Cancer Hospital in Sangrur. They toured various labs and learned about sample collection, tissue processing, and cancer detection tests from Dr. Sankalp and Mr. Sandeep. The students also discovered how permanent tissue slides are made and were informed about training and postgraduate opportunities at the hospital. This hands-on experience gave them valuable insights into cancer diagnostics and potential career paths in oncology.



## Activities Galore

### Department of B.Voc (Software Development)

#### Lecture on 'Chat GPT'

The Department of B.Voc (Software Development) organised a faculty lecture on "Chat GPT" on May 30, 2023 with Prof. Sahil Garg as the Key Speaker.



#### 'Python Programming' Workshop



A one-day workshop on Python Programming was conducted by Ms. Chahat Arora from Solitaire Infosys Pvt. Ltd., Pahila on Nov 25th, 2023. The workshop enhanced the programming skills of the students through a combination of theoretical knowledge and hands-on exercises.

#### Educational Tour



Students of the Department of B.Voc (Software Development) on an Educational tour in Amritsar (28th - 29th Sept. 2023)

#### Guest Lecture on 'Networking'

On November 23rd, 2023 the Department of B.Voc (Software Development) hosted a guest lecture for students to understand the nuances of 'Networking'. Mr. Abhay Sharma, a distinguished professional from Infowiz Pvt. Ltd., Bathinda graced the event as the Key Speaker.



#### One Day Workshop



A workshop on the 'Centralised Admission Portal' was conducted by Prof. Gaurav Singla on June 19th, 2023 to familiarise faculty members with the functionalities and benefits of the portal.



## National Press Day



A seminar dedicated to National Press Day was organized by the Department of Journalism and Mass Communication with the support of District Public Relations Office. Dr. Rubel Kanozia, Assistant Professor, Mass Communication and Media Studies, Central University of Punjab shared information about fake news and its ill effects. On this occasion, Professor Shoab Zafar, Professor Amandeep Kaur, Professor Lakhvir Singh, District Public Relations Officer Megha Mann and students were present.

## Guest lecture

The Department of Journalism and Mass Communication and the Department of Journalism and Multimedia Technology organized a guest lecture on "New Media - Challenges and Opportunities". Senior journalist Sukhcharanpreet Sukhi (Editor: Discovered by Lens) delivered keynote address. He shared the ins and outs of the journalism field and discussed the job prospects for the youth in digital media.



## Students' visit the Punjab Vidhan Sabha



43 students from the Department of Political Science and the Department of Journalism watched the proceedings of the last day of the Punjab Vidhan Sabha under the guidance of their teachers. They also got information about various activities of the legislature. Students also visited the studio of 'Living India' TV channel. Kulwinder Singh, Deputy News Editor of the channel, gave detailed information about the different courses of news broadcasting.

## One Day Legal Awareness Seminar



A One-Day Legal Awareness seminar dedicated to the 'National Legal Services Day' was organized by the Department of Political Science and the Department of History in collaboration with the District Legal Service Authority. Mr. Kulwant Roy Goyal, Advocate D.L.S. explained in detail the free legal aid. Advocate Maninder Singh also shared his views with the students.



## Activities of Punjabi Department

The Department of Punjabi conducts its literary-creative activities from time to time. The students from the Deptt of Punjabi participated in the Poetry, Story and Singing Competitions organized by Sirjana and Sanwad Sabha Barnala on 24 September 2023.

The Department organized an Original Poem Writing Competition on 18-11-2023 in which 35 students participated. Literary and Cultural Quiz Competitions were conducted first at the district level and then at the state level under the guidelines of the Language Department, Punjab.



## Youth Club Activities

A street play "Pardafash" was dramatised by the Youth Services Department on 28-09-2023 in dedication of Birth Anniversary of Shaheed Bhagat Singh. Students of the Youth Club played a one-act play "Confusion", based on international issues of sectarianism. In February at the Nat-Mela of Sri Mahashakti Kala Mandir. The students of the Youth Club gave an excellent performance of the play "Vegance" on 11-02-2024.





## Hindi Day Celebration



Hindi Day celebration was organized by the Hindi Department. A Hindi speech competition was organized on this occasion. 40 students of the college participated in the event.

## Crossword Competition



Crossword competition was organized by Hindi Department and National Service Scheme. This competition was organized in the memory of Babu Lal Gaud, late father of Punit Gaud, a former student of the college. 70 students participated in this competition.



## Bureau of Indian Standards (BIS) Club in Action



BIS Club, S. D. College, Barnala in collaboration with the Bureau of Indian Standards (BIS), Chandigarh organised an **Orientation and Quiz Cum Test** on 2<sup>nd</sup> August 2023 in which around 100 students participated. First, Second, Third and Fourth position holders were awarded cash prizes of Rs 1000 , Rs 750 , Rs 500 and Rs 250 respectively.



The BIS Club at S. D. College, Barnala, in collaboration with BIS Chandigarh, organised a **'Youth to Youth Quality Connect Campaign'** to celebrate World Standards Day 2023 on October 11, 2023. Dr. Sanjay Kumar Singh provided a comprehensive overview of the significance of World Standards Day, emphasising the global impact of Indian standards. Mr. Ajay Maurya, Joint Director/Scientist-D at the Bureau of Indian Standards, Ministry of Consumer Affairs, Food & Public Distribution, Government of India, shared insights on the role of BIS in formulating and regulating quality standards in India, emphasising product safety and consumer protection.



Dr. Sanjay Kumar Singh, Mentor of the BIS Club at S. D. College, participated in the **'Training of Resource Personals (RPs)'** held on October 19-20, 2023, at NITS Noida. This training was part of the 'Learning Science via Standards' initiative, concentrating on imparting lesson plans to enhance quality consciousness among youth.

On March 1, 2024, S. D. College observed **World Consumer Rights Day** with a lecture by Sh. Harsh Sonkar, Assistant Director & Scientist, focusing on the significance of various standards. The celebration aimed to raise awareness about consumer rights and the importance of adhering to quality standards.



An **Industrial Tour** to Shakunt Enterprises Pvt. Ltd., Ludhiana was organised by the BIS Club on April 27, 2024, under the guidance of Dr. Sanjay Kumar Singh, in which students gained practical insights into the Mig and flux welding wire manufacturing processes.



## Crossword Puzzle Competition



The Postgraduate Department of English organised a Crossword Puzzle Competition on April 10, 2024. More than 70 students enthusiastically participated in this engaging contest. Praakshi (B.A. I), bagged the first position, while Harmanjot Kaur (B. Com I) and Taranjot Kaur (B.A. I) secured the second and third positions respectively. Dr. Rama Sharma, Principal and Prof. Nirmal Gupta graced the Prize Distribution ceremony on April 18, 2024, applauding the winners and emphasising the importance of such activities in promoting academic vibrancy within the college.



The Postgraduate Department of Commerce hosted a Commerce Crossword Puzzle Activity on April 15, 2024, with the primary objective of boosting the analytical skills of the students



## Workshop on “Basics of Computers”



The Department of Computer Science conducted Seven days Workshop on “Basics of Computers” from 2<sup>nd</sup> Sept. to 9<sup>th</sup> Sept. 2023 to acquaint the students with the fundamental concepts of computer use.

## Lecture on “Vedic Maths and Career Guidance”



An online lecture on "Vedic Maths and Career Guidance" was held on 12th April 2024 featuring Mr. Sudhir Grover, Co-Founder of Infomaths Pvt. Ltd., Chandigarh who shared mathematical shortcuts with the students and Mrs. Arpana Grover, Director, Infomaths Pvt. Ltd., offered insightful career guidance to the students.

## Educational Visit



The Department of Computer Science organised an Educational Tour to Paonta Sahib, Dehradun, and Rishikesh from 1st-3rd April, 2024



## Speech Competition on 'Treaty of Amritsar'



The Department of History organised an Intra-class Speech Competition on 10<sup>th</sup> April 2024 to commemorate the historic Treaty of Amritsar. With 12 enthusiastic participants, the competition became a vibrant platform for scholarly discourse and intellectual exchange.

## Seminar on 'Punjab Against Drug Addiction'



The Departments of History and Political Science, in collaboration with the District Office Legal Services Authority, Barnala, hosted a seminar on 'Punjab Against Drug Addiction' on Oct 13th, 2023. Advocate Anu Sharma, from the District Court, Barnala, was the keynote speaker who delivered an insightful lecture on Punjab's battle against drug addiction. Additionally, students Ms Mrinal Sharma & Ms Prabhjot Kaur recited poems centred around the theme of drug addiction.



## Placement Cell

### Campus Placement Drive by SBI Life Insurance



SBI Life Insurance conducted a "Campus Placement Drive" at S.D. College, Barnala, on August 1, 2023, during which 30 students from different streams were selected.

### Career Talk Registration Camp

A "Career-Talk-Registration Camp" was organised by the Training and Placement Cell, S.D. College, in collaboration with DBEE, Barnala on March 13<sup>th</sup>, 2024. Mrs. Navjot Kaur, PCS, Allied Services, shared valuable insights about various career pathways. Mr. Vikramjit Singh, a career counsellor provided information about job opportunities in the private sector, government sector, and self-employment fields. Students were also briefed about competitive exams such as UPSC, SSC, IBPS, and PSEB, and recruitment processes for railways and defence. Students were further informed about the PMEGP scheme for self-employment, under which subsidies ranging from 1 lakh to 50 lakhs are provided. Besides this, Mr. Gaurav provided details about the "Punjab Skill Development Mission."



### Seminar on 'Computerised Accounting'

Mr. Gulbahar Singh, from Infoviz Private Company, was invited as the Resource Person in a Seminar on 'Computerised Accounting' organised by the Department of Business Management on November 23rd, 2023



### Seminar on PMS

Mr. Jaspreet Singh, representing Solitaire Infosys Company, as the Resource Person in a Seminar on 'Payroll Management System' organised by the Department of Business Management on November 25, 2023





## 64th Annual Athletic Meet

Hosting Annual Athletic Meet is a regular feature of the college that offers an extensive opportunity to the students to participate in different sports activities and Competitions. Two days 64th Annual Athletic Meet was held on 06 and 07 March 2024. Sh. Jagdish Bishnoi, S.P.(H), Barnala inaugurated the mega event. More than 500 Students participated in various events. On the concluding day, Dr. Aneesh Parkash, President, S.D. Educational Institutions gave away the prizes to students.



Sh Jagdish Bishnoi, S.P. (H), Barnala graced the opening ceremony as the Chief Guest



Sukhdeep Kaur receiving the Best Athlete Trophy



Naveen Kumar receiving the Best Athlete Trophy



Dr. Aneesh Parkash, President, S.D. College Managing Committee graced the Closing Ceremony as the Chief Guest



## Laurels in Sports



Chess Team won Silver Medal in North-Zone Inter University Chess (Women) Championship 2023-24



Chess Team, 1Ird Position in Inter College Chess Tournament, Punjabi University, Patiala



Table Tennis Team, 1Ird Position in Inter-College Table Tennis Tournament, Punjabi University, Patiala



Nidhi Bansal won Gold Medal in Inter-College Judo Competition



Manjot Singh won Gold Medal in Weight Lifting Inter-College Competition



## Student Achievers

### (Sports)



**Manjot Singh**  
Uni. Champion  
Weight Lifting



**Nidhi Bansal**  
Uni. Champion  
Judo



**Ramandeep Kaur**  
State Gold Medal  
Netball



**Ritika**  
State Gold Medal  
Netball



**Jyoti Kumari**  
State Gold Medal  
Netball



**Navdeep Navi**  
State Gold Medal  
Netball



**Nishu**  
All India Inter University  
Chess



**Palak**  
All India Inter University  
Chess



**Shweta**  
All India Inter University  
Chess



**Harpreet Kaur**  
State Gold Medal  
Kick Boxing



**Gurleen Kaur**  
State Gold Medal  
Karate



**Opinder Singh Sohi**  
Senior National  
Rifle Shooting



**Harmandeep Kaur**  
Inter-College Athletics  
3rd Position in Discuss Throw



**Jonty Garg**  
State Bronze Medal  
Skating



**Sukhdeep Kaur**  
Best Athlete



**Naveen Kumar**  
Best Athlete



**Simranjit Kaur**  
Best Volunteer  
NSS



**Baljinder Singh**  
Best Volunteer  
NSS



**Toshar Garg**  
Best Cadet  
NCC



**Palak**  
Best Cadet  
NCC



## Zonal Youth Festival

S.D. College, Barnala emerged triumphant at the Zonal Youth Festival of the Barnala-Malerkotla zone of Punjabi University Patiala. The festival was held at University College, Barnala from October 3rd to 6th, 2023 with participation from 39 colleges showcasing their artistic, cultural, and literary talents. Our students, guided by their dedicated mentors, represented the institution with exceptional flair and enthusiasm. The college won the Overall Championship Trophy, the Overall Music Trophy, the Overall Fine Arts Trophy, the Overall Literary Trophy, and the Overall Lok Kalawan Trophy.

Our college secured first position in eighteen items: Western Instrumental (Solo), Rangoli, Debate (For), Classical Instrumental, On-The-Spot Painting, Photography, Elocution, Naala Making, Mitti De Khidaune, Cartooning, Guddian Patole, Group Shabad, Group Song (Western), Installation, Kali Gayan, Laghu Film, One Act Play, and Quiz.

In addition, our students achieved second place in ten items: Cultural Quiz, Group Song (Indian), Folk Orchestra, Giddha, Nukkad Natak, Peerhi Making, Chhikku Making, Western Vocal (Solo), Embroidery, Pakhi Designing, Khiddo Making, and Lok Saaz.

Furthermore, our students secured third position in eight items: Skit, Lok Geet, Kavishri, Vaar Gayan, Rassa Vattna, Bhangra, Mimicry, and Debate (Against).



OVERALL MUSIC TROPHY



OVERALL FINE ARTS TROPHY



OVERALL LOK KALAWAN TROPHY



OVERALL LITERARY TROPHY



# Zonal Youth Festival



GROUP SHABAD TEAM, 1st Position



GROUP SONG WESTERN TEAM, 1st Position



INSTALLATION TEAM, 1st Position



KALI GAYAN TEAM, 1st Position



LAGHU FILM TEAM, 1st Position



ONE ACT PLAY TROPHY, 1st Position



## Zonal Youth Festival



QUIZ TEAM, 1st Position



FOLK ORCHESTRA TEAM IIInd Position



GROUP SONG INDIAN TEAM, IIInd Position



CULTURAL QUIZ TEAM IIInd Position



GIDDHA TEAM, IIInd Position



# Fountain of Youth at its Finest Display





# Moments of Triumph





## Glorious Achievements

### Inter-Zonal Youth Festival



S.D. College excelled at the Inter-Zonal Youth Festival held at Punjabi University, Patiala from 21-24 Nov 2023. Our students won a gold medal in the Laghu Film category and a silver medal in Clay Modelling. Additionally, they secured third position in the Cultural Quiz, Rangoli, Photography, and Peerhi Bunai competitions.

### Inter-University Youth Festival



The Laghu Film 'Chupp' (ਚੁੱਪ) bagged second position in the Inter-University Youth Festival held at GNDU, Amritsar from 26-29 Nov 2023.



Our distinguished alumnus, Mr. Nikhil Kumar (B.Sc. NM 2019-22), has been selected for a fully-funded position as a Scientific Research Employee and Ph.D. Scholar at the Otto Schott Institute for Materials Research, Friedrich Schiller University of Jena, Germany. He will be contributing to the DFG-funded research project titled "Non-linear Optical Response of Functional Materials" under the supervision of Prof. Marek Sierka. Mr. Nikhil completed his M.Sc. (Physics) thesis under the guidance of Dr. Sanjay Kumar Singh, Assistant Professor at S.D. College, Barnala, and Dr. M. M. Sinha at SLIET, Longowal, Punjab. This remarkable achievement is a testament to his hard work and dedication, as well as the exceptional mentorship provided by our faculty.



## Student Achievers

### (Cultural Activities)



**Armanjot Singh**  
1st Position Zonal & Inter Zonal  
IInd Position Inter University  
Laghu Film



**Rajvir Singh**  
1st Position Zonal & Inter Zonal  
IInd Position Inter University  
Laghu Film



**Sunil Kumar**  
1st Position Zonal & Inter Zonal  
IInd Position Inter University  
Laghu Film



**Sonia**  
1st Position Zonal  
IInd Position Inter Zonal  
Mitti De Khidaune



**Veerpal Kaur**  
1st Position Zonal  
Naala Bunai



**Komal**  
1st Position Zonal  
IIIrd Inter Zonal  
Rangoli



**Aditi Rani**  
1st Position Zonal  
Cartooning



**Jasleen**  
1st Position Zonal  
Debate



**Rohit Choudhary**  
1st Position Zonal  
Elocution



**Mubarak Ali**  
1st Position Zonal  
Western Instrumental  
(Solo)



**Shivanshu**  
1st Position  
Classical Instrumental



**Simranjit Kaur**  
1st Position Zonal  
Guddiyan Patole



**Armanjot Singh**  
1st Position Zonal  
IInd Position Inter Zonal  
Photography



**Nikita**  
1st Position Zonal  
Installation



**Sandeep Singh**  
1st Position Zonal  
Installation



**Amandeep Kaur**  
IInd Position Zonal  
Phulkari



**Prabhjot Singh**  
IInd Position Zonal  
Khiddo Making



**Ramandeep Kaur**  
IInd Position Zonal  
Chikku Making



**Jashandeep Kaur**  
IInd Position Zonal  
IIIrd Position Inter Zonal  
Peerhi Making



**Arshdeep Kaur**  
IInd Position Zonal  
Pakhi Designing



**Jashandeep Kaur**  
IInd Position Zonal  
Western Vocal (Solo)



**Simranjit Kaur**  
IIIrd Position  
Lok Geet



**Hardeep Singh**  
IIIrd Position Zonal  
Rassa Vattna



## Talent Hunt

The 'Talent Hunt' programme organised by the Department of Commerce on February 2, 2024, aimed to unveil the inherent talents of students. Through activities like crafting wall magazines, charts, and collages, the participants showcased their creativity and communication skills.



## Educational Tour



5th-8th 2024



## Religious Festivals

Every year the religious festivals like Durga Ashtami, Shri Ram Navami, Janam Ashtami, Murti Sthapna Divas, Shri Ram Charit Manas Akhand Path are celebrated with great zeal and fervor in Shri Krishna Temple which is the foundation of this prestigious institute.

