



# S.D COLLEGE

Barnala - Punjab  
Affiliated to Punjabi University, Patiala  
Under UGC Act 2f & 12b  
NAAC Accredited  
Grant in Aid from Punjab Govt.

## BEST PRACTICE 1:

### FREE-SHIPS AND FEE CONCESSION

#### Objectives of the Practice

- ❖ To achieve the objectives of the right to education, which is also a fundamental right in the Indian Constitution. Though it is mandatory only up to 14 years of age but generally right to education is considered a human right and much required in higher education also. Even the vision of the founder members of this institution was to provide affordable education to the maximum number of students.
- ❖ To cater to the needs of economically weak but meritorious and deserving students, especially from rural backgrounds and socially weaker sections including girls.

#### The Context:

This institution was set up in 1956 with the sole motive of providing quality education in the backward Malwa belt. The vision of our founder members, Dr. Raghubir Prakash Ji and Pandit Anand Sarupji was that no student who deserve higher education should be deprived of the same due to lack of resources. This institution has been imparting quality education for the last six decades. During this long academic journey, the institute has proved to be an oasis of knowledge in barren stretch of illiteracy. Students especially from rural background come to this institute with quest for learning and shaping their future. The main aim of this institute is of holistic development of students so that they can positively contribute to the progress of the nation. Along with the prescribed syllabi the institute also provides value based moral education.

#### The Practice:

The institute is situated in a backward area where the problems of female foeticide and gender bias prevail. The female students are deprived of good education either because the parents are not capable or they are not willing to spend money on the education of daughters. So, this practice of providing free education, free books and fee concession to students was started by founder members in early years of inception of this college. Keeping these aspects in mind economically weak students especially girl students are given support by the college. In this way college is working towards women empowerment also.

Without any partiality, students are asked to give applications for fee concession at the time they fill their admission forms. At that time, they are advised to fill only the university dues. Information regarding various schemes of fee concession is provided in the prospectus also.

The students who apply for fee concession are called along with their parents for a meeting on a fixed date. Members of the Managing committee and Principal take decision regarding the financial help for the deserving students. The amount of the monetary help is also decided by them. After that, it is checked whether students attend classes regularly and how do they perform.

**-Data of college fee concession offered to needy students**

Session	No. of Boys	No. of Girls	Total Students	Amount(Rs.)
2012-13	128	219	347	1313085
2013-14	154	282	436	1776155
2014-15	173	293	466	1250435
2015-16	280	345	625	3004620
2016-17	178	241	419	3574910
2017-18	175	234	409	3130600
2018-19	137	192	329	2177050
2019-20	125	131	256	1671400
2020-21(Covid pandemic period)	21	25	46	250680
2021-22	78	89	167	1132837
2022-23	80	95	175	1256067
2023-24	59	76	135	785350

**Evidence of Success:**

The students who availed this facility have secured top positions in the University Merit List. Many of them got government jobs. The list of some of the students is given below:

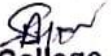
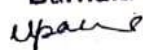
Name of Student	Course	Achievement
Harpal Singh	M.A.(English)	Revenue Patwari (Govt. Job)
Gurpreet Sigh	B.A.	Punjab Police (Govt. Job)
Manpreet Kaur	B.A.	Police Constable (Govt. Job)
Neetu Kaur	B.A.	Police Constable (Govt. Job)
Jasvir Kaur	M.A. (English)	Police Constable (Govt. Job)
Monika Rani	B.A.	Stood first in University in B.A.-I,B.A.-II and third in B.A.-III
Rahul Singh	B.A.	Clerk Court Complex Barnala
Jaswinder Kaur	M.A.(English)	English Mistress, Education Dept.Punjab
Namarata	B.Com	Asst. Prof.Bhikhi College
Simranjit Kaur	B.Com	Clerk DC Office
Simarjeet Kaur	B.A.	Teacher,Chananwal
Sukhwinder Kaur	B.A.	Computer Operator in Sewa Kendra Barnala

The list is very long and it is not possible to mention all names so here we are mentioning just few ones.

**S.D. COLLEGE, BARNALA**  
**FEE CONCESSION LIST 2022-23**

Sr. No.	Class	Girls	Boys	Total	Girls Amount	Boys Amount	Total
1	BA I	21	17	38	131610	85840	217450
2	BA II	14	15	29	71700	108007	179707
3	BA III	10	7	17	41030	42410	83440
4	B.COM I	7	15	22	63600	139830	203430
5	B.COM II	7	12	19	56530	94330	150860
6	B.COM III	16	7	23	120110	58300	178410
7	BSC Med I	2	0	2	16600	0	16600
8	BSC Med II	2	0	2	17400	0	17400
9	BSC Med III	2	1	3	20600	10300	30900
10	BSC NM I	6	0	6	51240	0	51240
11	BSC NM II	3	4	7	27910	37900	65810
12	BSC NM III	5	2	7	42510	18310	60820
Total		95	80	175	660840	595227	1256067

Prepared By  Checked By  Accountant  Supdt.  Bursar  Principal 

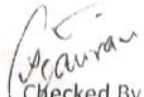
**Attested**  
  
**Principal S.D. College**  
**Barnala**  


File No-

S.D. COLLEGE, BARNALA  
FEE CONCESSION LIST 2023-24

Sr. No.	Class	Girls	Boys	Total	Girls Amount	Boys Amount	Total
1	BAI	13	9	22	64750	51440	116190
2	BA II	12	9	21	43060	44850	87910
3	BA III	10	4	14	44460	15110	59570
4	B.COM I	8	7	15	59320	63660	122980
5	B.COM II	3	14	17	17550	91330	108880
6	B.COM III	5	13	18	27000	82660	109660
7	BSC Med I	5	0	5	39240	0	39240
8	BSC Med II	2	0	2	8600	0	8600
9	BSC Med III	2	0	2	8000	0	8000
10	BSC NMI	5	0	5	39220	0	39220
11	BSC NM II	7	0	7	44100	0	44100
12	BSC NM III	4	3	7	26000	15000	41000
Total		76	59	135	421300	364050	785350

  
Prepared By

  
Checked By

  
Accountant

  
Supdt.

  
Bursar

  
Principal

Attested

  
Principal  
S.D. College, BARNALA

### **Problems Encountered and Resources Required:**

The aim of our college is to help the students to the best of its ability. However, because of less posts covered under Grant in Aid scheme, our institute has to arrange teachers of its own. Chunk of funds is used to pay the salary of these faculty members. As most of the students in our college belong to rural background and have less paying capacity therefore our institute faces the problem of shortage of funds. Our college started B.Voc courses and has spent a huge amount upon the infrastructure required to run these courses. However, our college has not received any grant from the UGC till now. Under Punjab Govt.'s Post- Metric Scholarship Scheme for SC students aid of more than one crore rupees against this scheme is still pending with Punjab Govt. Covid pandemic has further aggravated the problem of scarcity of funds.



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## **BEST PRACTICE - 2**

# **Navigating the Youth for Better World**

### **Objectives of the Practice**

- To provide guidance and counselling with respect to equal opportunities for academic, financial, social and other facets and to enhance diversity within the campus
- To channelize youth as the catalysts of positive change in the society.
- To instill a sense of philanthropy, community outreach and social contribution among the students.
- To develop a sense of civic responsibility to work together to uplift weaker sections, provide aid with service in underprivileged sectors and contribute qualitatively to social development.
- In line with the Skill India mission our institution endeavors to make students employable and professionally capable. Skill development activities are organized to impart and hone these skills in our students that can be instrumental in envisaging successful careers for them.
- To provide students with the essential confidence and skill-set to make their lives productive and activities are planned with this objective.

### **The Context:**

Educational institutions have a prime role in developing creative and critical thinking and prepare them for future life, developing character and constitutional values, generating awareness in the youth about their social responsibility and engendering in them a spirit of social service and nation building. Education becomes worthy of its name only when the youth are given the capability to serve the larger community in a planned, holistic and empathetic way and the college has always been alive to this pivotal aspect.

Education today is not about theoretical knowledge alone and making students employable. Students need to be encouraged to be innovative so that they stand out in the job market and their skills enable them to realize their aspirations. This is where the need of a focused pedagogical institution comes in. We realize that skill generation and development is essential to education and we are, therefore alive to creating such opportunities for students which can be useful for them.

### **The Practice:**

A vast array of programs have been organized in order to upgrade the skills of students, faculty members and the staff to keep pace with the changing needs of the academic spectrum. Various activities like workshops, seminars, industrial visits or hands on training etc. were organized in the previous years to upscale the learning initiatives focusing on areas such as soft skills, entrepreneurial skills, personality development, technical skills, financial skills, etc.

**(a) Skill development through Workshops and Hands on training**

Skill-based workshops offer a chance for students to learn new skills, improve their existing skills and develop expertise in specific areas. By attending these workshops and hands on trainings, students can gain practical knowledge and hands-on experience that they may not have access to in the classroom.

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



- 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. Alongside Dr. Renu Bala, they elucidated various methods and criteria for collecting, preserving, and identifying insects, and the preparation of slides.



- On March 28th, 2024, the Department of Botany, in collaboration with the Department of Chemistry hosted a workshop on “Extraction and Formulation of Herbal Drugs” was organized. In this workshop, Ms. Chitra Singh, Associate Professor, S.D college of Pharmacy was a resource person. She trained students for extraction and formulation herbal creams, facewash from rose petals and gripe water preparation from fennel seeds. She also emphasized the benefits of herbal products over synthetic alternatives.



- The Department of Physics organized a “Three Days Electronics Based Hands on Training Program Cum Workshop” from March 12, 2024 to March 14, 2024. The students enhanced their knowledge by working on electronics-based projects under the guidance of the resource person





- The Department of Physics organized a One day Training program on March 18, 2024, titled 'Exploring Oscilloscopes: CRO vs DSO'. The program 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.



- A Two-Week Interdisciplinary Summer Training Program was organized by the Departments of Botany, in collaboration with the Department of Chemistry under DBT Star College Scheme from 29th July, 2023 to 11 August 2023. The main objective of the program was to improve bench skills and to inculcate scientific aptitude among students.



- The Department of Chemistry held a one-day Lecture cum Workshop on Nanotechnology on March 22,2024, 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, emphasizing 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. Around 85 students from medical and non-medical streams participated.



- Workshop on ‘Basics of Computer’ was organized by the Department of Computer Sciences from Sep 2,2023 to Sep 9,2023 to acquaint the students with the fundamental concepts of computer use.



- A two-day workshop on MATLAB software was held on March 12, 2024 and March 13, 2024 by Department of Mathematics. The resource person emphasized the importance of learning programming languages for students to succeed in any field.



- A one-day workshop on Python Programming was conducted by Department of B.Voc (Software Development) on Nov 25, 2023. The workshop enhanced the programming skills of the students through a combination of theoretical knowledge and hands-on-exercise.



- A Workshop and Hands- on -Training on ‘UV-visible Spectroscopy’ was hosted by Department of Chemistry to make the students aware of use of spectrophotometer on Feb 29,24



**(b) Sensitizing the students about social issues and national integration:**

To Make students aware about gender equity, national integration, environment etc. various commemorative days are celebrated and a number of visits are organized by the institute.

- On 3rd August 2023 NSS Unit of SD College Barnala celebrated Indian Organ Donation Day, dedicated to the 75th Amrit Maha Utsav. On this occasion, college Principal Dr. Rama Sharma explained the importance of this day and motivated the students to donate organs. 75 NSS volunteers participated in the event out of which 30 & 45 Girls and boys respectively. All Program officers were present there.



- On 12th August 2023, NSS department of SD College Barnala Planted 90 saplings at village Khudi Khurd Sports Ground under the 'Meri Mati Mera Desh' campaign in the continuation of 'Azadi Ka Amrit Maha Utsav Abhiyan'. In this campaign, the children of the village who are college students were fully supported the volunteers under the leadership of Dr. Reetu Aggarwal, Coordinator of NSS and she made them aware of the importance of planting plants. College



- NSS Department of SD College Barnala celebrated Manav Sankalp Seva Diwas dedicated to Bhai Ghanaiya ji on September 22nd. Dr Reetu Aggarwal, Coordinator NSS Department said that first aid training camp was organized under this program in collaboration with the District Red Cross Society, in which students were made aware about providing first aid during an accident. On behalf of Red Cross society, Sardar Swaran Singh (Secretary Red Cross Society), Shri Asis (Red Cross First Aid trainer), Sardar Dalbir Singh (serving in Red Cross) provided assistance and guidance to students. College Principal Madam Dr. Rama Sharma shed light on the life of Bhai Ghanaiya ji and motivated the students to serve humanity. On this occasion 180 volunteers present, out of which 95 & 85 boys and girls respectively.



- NSS Department of SD College Barnala organized pledge ceremony under Swachhata Abhiyan. It is worth mentioning that the coordinator, program officers and students of NSS department of the college took a pledge that they would take care of the internal and external cleanliness of the area besides the college. They will also play the role of being a responsible citizen. A total of 70 volunteers, 40 girls and 30 boys participated in the program. On this occasion college principal Dr Rama Sharma addressed the volunteers, she said that it is very important for us to keep our environment clean, to lead a healthy and happy life. Because cleanliness not only protects us from diseases but also makes us physically and mentally healthy.



- NSS Department of SD College Barnala organized Environment awareness seminar on 26<sup>th</sup> September. Prof. Kulbhushan Rana, Department of Chemistry was the keynote speaker. Dr. Rama Sharma (Principal of the college) inaugurated seminar and made the students aware of the importance of NSS in student life and also made them aware about the environmental pollution. Prof. Kulbhushan Rana spoke openly about the pollution spreading in the natural environment and social environment and told the students that unless we are free from the pollution spread in the minds, we cannot be free from environmental pollution. The seminar was attended by 103 volunteers including 55 boys and 48 girls. Program was outlined and led by NSS Coordinator Prof Reetu Aggarwal and made the children aware about the environment.



- On 27<sup>th</sup> September 2023, an awareness rally was organized by the NSS Department of SD College Barnala, to keep the environment clean under Swachh Bharat Abhiyan. The rally started from the college and passed through KC Road and returned from the station, the main purpose of this rally was to plant saplings to keep the environment clean. NSS Coordinator Dr. Reetu Aggarwal and all program officers also participated in the rally. Students were motivating the general public to keep their surroundings clean, plant as many trees as possible for the purity of the environment and ensure their maintenance. In this rally, 130 volunteers including 70 boys and 60 girls were participated. College Principal Dr Rama Sharma congratulated the entire team and students and shared their views with the children and motivated them to come forward for a safe and healthy life for the coming generations to plant as many saplings as possible and keep their surroundings clean. NSS coordinator Dr Reetu Aggarwal outlined the rally and motivated the children.



- On 28<sup>th</sup> September 2023, the NSS Department of SD College Barnala conducted a cleanliness drive in the college under the Swachh Bharat Abhiyan. NSS Coordinator Prof Reetu Aggarwal said that through these camps, along with the cleanliness of the college, the spirit of service and cleanliness of the surrounding also inculcated in the volunteers. Students cleaned the college and took pledge to prefer cleanliness in future also. College principal Dr Rama Sharma appreciated students and urged them to clean the environment and mitigate the use of plastic. 120 volunteers including 67 boys and 53 girls contributed to the camp.



- On 29<sup>th</sup> September 2023, a poster competition was organized in the college under the Swachh Bharat Abhiyan by the NSS Department. On this occasion college Principal Dr. Rama Sharma said that Prime Minister Narendra Modi inspired the people to celebrate the auspicious occasion of Mahatma Gandhi's birth anniversary as Swachhata Diwas to fulfill his dream of cleanliness. A total of 15 students, including eight boys and seven girls, participated in the competition. The entire event was led by Dr. Reetu Aggarwal, Coordinator NSS Department and shared her views with the volunteers and said that we all should keep our surroundings clean so that a Swachh Bharat and Swasth Bharat can be built.



- On 2nd October 2023, NSS Department conducted various activities on the occasion of Celebration of Swachhata Diwas. Dr. Reetu Aggarwal Coordinator, NSS Department played a vital role as a host also. On this occasion different activities organized such as rally, play, seminar, speech, poster making. Principal of the college, Dr. Rama Sharma congratulated the students and the teachers on this day. Seminar addressed by Dr Kulbhushan Rana of chemistry department and Dr. Munish of biology department. Various teachers and students also shared their views on this day and environmental awareness. Program Officers of NSS Department organized speeches and poster competition. A rally was held on that day in Barnala city on environmental awareness.







- On October 13, 2023 as per the guidelines received from the Regional Director Chandigarh, NSS Department organized Kalash Yatra under 'Meri Mati Mera Desh Campaign'. The main objective of this yatra is to pay the homage to freedom fighters and martyrs who sacrificed their lives for the country. College Principal Dr. Rama Sharma said, "Meri Mati Mera Desh Abhiyan is the aim of the Government of India to collect soil from different areas and to sent it to Delhi where Amrit Vatika dedicated to the martyrs will be built with this soil. A total of 120 students, including 65 boys and 55 girls participated in the yatra. All the students participated enthusiastically and brought soil from their respective homes, everyone contributed to this campaign.



- Constitution Day was celebrated on November 28th by the NSS and NCC departments of SD College. Prof Reetu Aggarwal, Coordinator NSS Department, said that the Constitution was enacted on November 26<sup>th</sup> 1949 and she explained the importance of this day. The event was addressed by Prof. Shoaib Zafar HOD, Department of Political Science in a unique and simple way. The students were made aware about the fundamental rights, fundamental duties and the preamble of the Constitution. He explained how the constituent assembly formed in 1946 and drafted the Constitution for the world's largest democracy and also explained their role. It is our

duty to give the highest place to the Constitution and it is the need of the hour. Copies of the Constitution made available to the students. Finally, the Preamble of the Constitution was read out by the students. Dr Manjeet Singh, HOD of history department has shared some views regarding the constitution.

- The blood donation camp was organized by NSS, NCC and Sports Department of SD College on 30<sup>th</sup> November. Prof Reetu Aggarwal, coordinator of NSS department said that the students and teachers donated 40 units of blood. The camp was contributed by many NSS volunteers, NCC cadets and sports department students. The camp was organized in the collaboration with the local government hospital. Some donors also came from outside the college by abiding the slogan of ‘Khoon Daan Maha Kalyan’. College principal praised the students for their courage, zeal and confidence and said that there can be no greater service to humanity than blood donation. During the camp, NCC Coordinator Manjit Singh and Head of Sports Department Bahadur Singh played a key role.



- Nehru Yuva Kendra Barnala, an agency of the Ministry of Youth Affairs and Sports Government of India, organized the Youth for Peace Day in collaboration with NSS. The chief guest of the event was Sardar Gurbachan Singh, DSP Barnala. On this occasion, Dr. Reetu Aggarwal Coordinator, NSS Department informed the students about the main objective of celebrating Youth for Peace and road safety and also motivated them to donate blood.



- National Voters' Day was celebrated by NSS Department at SD College Barnala on 25th January 2024. On this occasion poster making competition was organized, in which students from different departments of the college participated. Teachers and students took pledge that they will vote neutrally.



- On February 8, 2023 NSS Department of SD College Barnala organized one day camp at college under the Swachh Bharat Abhiyan campaign. Camp was outlined by Prof Reetu Aggarwal, coordinator of NSS department. The college was thoroughly cleaned by the students and pledged to give priority to cleanliness in future. The principal of the college Dr Rama Sharma, appreciated the students and encouraged them. On this occasion Principal madam urged not to spread dirt in the college and reduce the use of plastic and keep their surroundings clean. The specialty of this camp was that volunteers were sent to different departments to clean. Students cleaned the campus.



- On March 23rd 2024, NSS Department organized a Street Play related to the ideology of Shaheed Bhagat Singh at SD College Barnala. Addressing the volunteers Principal of the college Dr Rama Sharma said that to fulfil the dream of Shaheed Bhagat Singh, young students need to be conscious and people need to be organized. Total 70 volunteers participated in this. NSS Coordinator Dr Reetu Aggarwal outlined the whole day. NSS Program officers were present there.



- Mother's Day celebrated by NSS Department at SD College Barnala on 11th May 2024. Poster Making Competition was organized on the occasion of Mother's Day in which about 15 students from different departments of the college participated. This competition conducted under the true guidance of NSS Coordinator Dr Reetu Aggarwal and NSS Program Officers. On this occasion college Principal Dr Rama Sharma addressed the students and shared her views regarding the contribution of mothers in the building of nation.



- NSS Department of SD College Barnala celebrated No Tobacco Day on 31<sup>st</sup> May 2024. The program was completed under the leadership of NSS Coordinator Prof. Reetu Aggarwal and college Principal Dr Rama Sharma. On this occasion, Prof Reetu Aggarwal apprised the students about the ill effects of tobacco. Volunteers and program officers of NSS department took the pledge to stay away from tobacco and all the ills that adversely affect us and our society. At the end college principal Dr Rama Sharma appreciated the students. All NSS Program officers were present there.



- International Environment Day was celebrated by NSS Department at SD College Barnala on 5th June 2024. On this occasion, poster making and slogan writing competitions were organized in the college in which about 40 students from different departments of the college participated. NSS Coordinator Prof. Reetu Aggarwal gave various suggestions to keep the environment clean and urged to curb anthropogenic activities to mitigate the impact of climate change and to put some efforts to attain sustainable development goals. All the program officers were present on this occasion.



- 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.



- 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.



*(c) Real World perspective, inspiration, exposure to new ideas by organizing various Seminars and Guest Lectures*

- A one day Guest Lecture was hosted by the Department of Mathematics on ‘Introduction to Curves and Geometric Visualization of Surfaces’ on March 19, 2024. With engaging examples from daily life, the resource person offered students a deeper understanding of these topics



- The Department of Physics organized a seminar, poster presentation and workshop on ‘Nano-material and High Energy Physics and its Applications in Various Sectors’ on 1-2 March, 2024 under DBT star College Scheme.



- On 19 March, 2024, two guest lectures were organized by the Botany Dept. under DBT Star College Scheme. First lecture was on "Mycology & Plant Pathology" and second lecture was on "Fungal Diseases in Plants: Implications in Quality Control of Herbal Medicine"





- The Department of Chemistry organized extended lectures on ‘Organometallic Compounds and Mass Spectroscopy’ March 11, 24



- On November 23<sup>rd</sup>, 2023 the Department of B.Voc (Software Development) hosted a guest lecture for students to understand the nuances of ‘Networking’



- Seminar on 'Payroll system' was organized by Department of Commerce to educate the students regarding making salary, leave management, pay slip, biometric attendance and taxation



- Guest Lecture on 'New Media opportunities and challenges' was organized by Department of Journalism and Mass Communication and the Department of B.Voc (JMT) on 23.04.2024



- An online lecture on 'Vedic Mathematics and Career Guidance' was held on April 12, 2024 featuring Mr. Sudhir Grover ,Co-Founder of Infomaths Pvt. Ltd, Chandigarh who shared mathematical shortcuts and offered insightful career guidance to students



- A Guest Lecture titled 'Self-sustainability Opportunities for Zoology Students' was organized 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.



- 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.



- Career guidance cell conducted career counselling program from 10 July 2023 to 12 July 2023. The main purpose of program was to create awareness among the students about various courses and career opportunities after graduation and post-graduation



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 contact us at [sdcbnl@yahoo.com](mailto:sdcbnl@yahoo.com)  
 or 9888870617.

- The department of English organized a one month communication skills enhancement program from Oct 30 to Nov.20 , 2023, which witnessed enthusiastic participation from sixty students. The program aimed to refined various facet of communication, emphasizing both verbal and non-verbal skills for personal and professional development.



**(d) Bridging gap between theoretical and practical knowledge of students through Industrial/Educational visits**

Industrial visits/ **Educational Visits** are undertaken to bridge the gap between theoretical and practical knowledge of students. Students are regularly taken for industrial visits and field trips to enhance their understanding of concepts by seeing the things in practical form.

- An Industrial Tour to Shakunt Enterprises Pvt. Ltd., Ludhiana was organized 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.



- On March 15, 2024, the Department of Zoology organized 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.



- An educational visit to Bir Talab Mini Zoo, Bir Talab (Bathinda ) was organized by the Department of Zoology on March 9, 2024 to provide students practical learning experience about wildlife, biodiversity and conservation efforts



- The faculty members and students visited the Department of Physics and 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



- A visit to Harvaas Nursery, Cheema Jodhpur, Barnala was organized 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.



- On September 15, 2023, 32 students of B.Voc, MLMDT visited clinical laboratories of Civil Hospital Barnala. They explored Biochemistry, Haematology, Microbiology labs as well as the blood bank.



- 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.





- The Department of Chemistry organized a one-day visit to PAU Ludhiana on March 27, 2024, for approximately 60 B.Sc I and B.Sc II students. Led by Dr. Kulbhushan Rana and Mrs. Rajni Gupta, they visited the Department of Chemistry and Soil Sciences. Dr. Vijay kant 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.



- 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.



- The Department of Botany organized 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. Ludhiana on 12<sup>th</sup> March, 2024 .





- Department of Botany organised Educational Visit to Ghumaan Seed Farm, Nagra, Sangrur on 21<sup>st</sup> March, 2024.



***(e) Inculcating interest for science among students through Innovation Hub***

To enhance creativity and experimental skills in education of basic science and to impart hands on experience to students' college has established innovation hub where twenty four different working models based on different physical phenomenon are displayed. The students of science stream of college and nearby schools are motivated to utilize the Innovation Hub and perform various experiments.





***(f) Reducing Stress and increasing mental clarity and focus through Yoga and Meditation camp***

To keep the students healthy in body and mind, various initiatives are taken by the institution which promote a self-sustaining awareness and practice of healthy lifestyles. The college has also been organizing yoga camps from time to time to ensure holistic health maintenance.



***(g) Sensitizing students about environment conservation through regular tree plantation drives***

Department of Botany organized “Plantation Drive” in the college campus on 20 January 2024. Different ornamental plants such as Marigold, Petunia, Salvia, etc., Gymnosperms such as *Pinus*, *Cycas*, *Cupressus* etc. and various medicinal plants such Heeng, Elaichi, Amla, Laung, Allspice, Dalchini, Betel etc were planted in the campus and Botanical Garden.



***(h) Promoting Physical wellbeing of students***

To promote the physical wellbeing of students the college has taken some initiatives:

1. In lieu of this, two badminton courts have been established in the college premises. Besides this, Yoga and Meditation Centre has come into existence in session 2023-24



**Pictures of Badminton Court and Yoga and Meditation Centre**

## Evidence of Success

- Department of Biotechnology of Govt. of India after seeing the performance of science department of our college sanctioned the grant of 63 lac.to our science department to purchase new equipment/apparatus/glassware/chemicals/software for strengthening of science departments and for betterment of the students.
- 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. This remarkable achievement is a testament to his hard work and dedication as well as the exceptional mentorship provided by our faculty.



- Manjeet Kaur, a student of B.Sc. (I) Non-Medical at SD 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.



- Under the mentorship of Dr. Sanjay Kumar Singh from the Department of Physics, 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 (deemed to be University), Jaipur on January 30-31, 2024.



- The successful careers of many of the alumni are a testimony of success of program like Parshant Kumar (On Air), Nirmal Pandori (Gee98 News), Chetan Sharma (Public App), Ruchi Yadav (Zee Punjabi), Kuldeep Singh (Chardikala Time TV), Puneet Gaur (BBC Punjabi), Makhan Singh (ETV Bharat Punjabi) etc

## **6. Problems encountered and Resources Required:**

- The demands of the syllabi often pose a challenge to the extensive training that is ideal for several skills that we wish to offer.
- Constraints of syllabi and the semester system pose a hurdle in the planning and execution of several activities.
- For village-based events and activities, co-ordination with administrative bodies becomes difficult.