

Annual Report 2020-21

Our college was established in 1968 to impart knowledge of science to the students of this area. Since its inception all efforts have been made to achieve the mission of the college that is 'Transcend : to rise above the limits '. During the session 2020-21 in the lockdown situation, the college made every effort to switch to online mode so that teaching, learning and other activities remain unaffected.

It's my proud privilege to present the annual report of the session 2020-21. I list the various activities of all the departments undertaken during the session 2020-2021.

ACTIVITIES OF POST GRADUATE DEPARTMENT OF BOTANY

For the upliftment of the students and teachers, the department of Botany organized and attended a number of seminars and workshops as listed below.

- On 15-7-21, under the guidance of Dr. Vijay K. Singh "Van Mahotsav " was celebrated and saplings were planted on that occasion. All required arrangements were done by Mr. Jatinder Singh.
- Online webinar was arranged on 5-9-20 under the guidance of Director Dr. Vijay Kumar. Mrs. Poonam Nithani, Vice President, Master Soft ERP solution was also present. Detailed information of LMS was given by Mr. Aniket and by Mr. Anshul. The programme was arranged by Mr. Jatinder Singh.
- Dept. of Botany organized various online competitions (Essay writing, Speech and slogan writing) on the topic "Vigilant India, Prosperous India" on 3-11-2020.
- College student Sandeep Kaur from M.Sc. Botany (4th sem) secured 10th position in university exam.
- Mr. Jatinder Singh had participated in one day webinar on the topic "Research proposal writing for different funding agencies" which was held at Shirur, Pune on 9-12-20..
- Mr Jatinder Singh made necessary arrangements in Micro forest inauguration on 22 December.
- On 19 Jan 2021, HOD, Prof. Jatinder Singh (Dept. of Botany) presented a lecture on 'How to use E- Resources' in college auditorium
- National Agri Food Biotechnology Institute, Mohali under star college scheme DBT Ministry of Science & Technology (GoI) organized "Science Setu" Programme on 29 Jan 2021, at 3 pm to 5 pm. It included virtual laboratory tour. Mr Jatinder Singh was convener of the program and all staff members attended the program online.
- On Jan 2021, Mr Dheeraj Kumar from Botany Dept. (Batch- 2014) joined Forest Research Institute Indian council of Forestry Research and Education, Dehradun as Scientist B.

Mr. Jatinder Singh attended the lecture series on Science Setu Vigyan Manthan Shrinkhala on 11-02-2021 organised by DBT, Govt. Of India .He also participated in a National Faculty Development Programme from 15-03-2021. The department organised academic online seminars for the students of M.Sc Botany in the month of February, March and April. On 22-03-2021, Mr. Jatinder Singh delivered a lecture as resource person on the topic “Catch The Rain “under the programme swatch Bharat Abhiyan by S D College for Women , Moga. On 23-04-2021, the department of Botany organised various competitions to celebrate World Earth Day on the theme “Restore the Earth” Mr. Jatinder Singh presented a talk as a resource person in an online webinar on” Immunity Enhancing Medicinal Plants “organised by SCD Govt College Ludhiana 17-05-2021. The teachers and students of M.Sc Botany attended an online webinar organised by DBT, NABI, Mohali under Science Setu Programme. Mrs.SaravarinderKaur published a research article titled “ Medicinal Properties of Garlic – A Review “ in an International Journal of Biological Research. On 04-06-2021 World Environment Day was celebrated on the theme “ Eco system restoration.

POST GRADUATE DEPARTMENT OF CHEMISTRY

With a dedicated team of academicians, the department proudly takes the credit of producing university toppers and merit holders consistently in undergraduate and Post graduate programs. In the session 2020-21, the students of our department were able to get admission in some of best research-based Science courses in India and abroad.

Pride of Department: Ms Rajanpreet Bansal, student of M.Sc II chemistry 4th sem got 8th position in Panjab University Examination.

Participation: Mehargurvir of M.Sc I chemistry participated in online Inter college Essay Writing Competition on the topic “ Commemoration of 400 years Parkash Utsav of Guru Teg Bahadur “ organized by Govt College of Education, Patiala & he got third position on 7th Nov 2020.

On 9th Nov 2020, Online Webinar was organized on topic” Impact of Covid 19 on students mentality” by faculty members Prof.Ameet Rana and Prof Sumit Soni.

On 11th Nov 2020 Chemistry Department in Collaboration with IQAC celebrated National Education Day.

On 18th Nov 2020 ,In relation to” Punjabi Saptah” competitions were organized. Gursimran Kaur of M.Sc II got Ist position in Kiddhoo making and Sheral Bansal of M.Sc II got 2nd position in Mehndi.

On 4th Dec 2020 Prof Sumedha Syal HOD Chemistry got DDO powers of College which was the matter of proud for department & Prof Nirmal Singh takes charge as HOD Chemistry

On 11 feb 2021 Chemistry department in collaboration with Punjabi department organized online 'Questionnaire' in form of Goggle form related to Guru Teg Bahadur 400 yrs Parkash Utsav.

Ms. AmeetRana attended 6 National Online Workshops, 15 National Online Webinars ,10 Summer Day Schools and Online Courses, 5 International Webinars and 14 National and International Faculty Development Programmes.

Ms. Sonia attended 6 National webinars ,3 International Webinars and 1 Industrial Training Programme.

Activities of language Department:

Language Dept. has always taken initiative to organize various programs for the holistic development of the students. During the pandemic, the department organized various online activities to boost the confidence of students and to create a positive mindset.

Mrs Nidhi from English department attended an online webinar organized by A S College Khanna on the topic "Navigating road map for higher education" on 28th June 2020. She also made the necessary arrangements to celebrate International yoga day on 21st june 2021. Dr. karmdeep Kaur from Punjabi department and Mrs Nidhi from English department collaborated to celebrate International day against drug abuse on 20th June 21. Dr karmdeep Kaur from Punjabi department and Mrs Nidhi from English department attended 7 days online workshop on NAAC revised accreditation guidelines from 19th July to 25 th July 2020 . Dr karmdeep Kaur and Mrs Nidhi attended seven days faculty development programme organised by GTB National College Dhaka. Dr karmdeep Kaur from Punjabi department attended a webinar organised by Sukhmani Sahib Seva Society , Sangrur . Mrs Nidhi and Dr karmdeep Kaur attended workshop on the topic teaching tool and teaching Tools and techniques organised by the IQAC cell. Dr Karmdeep Kaur made all the necessary arrangements to celebrate International yoga day on the theme yoga at home and yoga with family on 21st june 2020. Dr karmdeep Kaur attended seminar on the topic Bhai Taru Singh at GTB college Dhaka.

Prof. Nidhi published a research article " Women question in Charlotte Bronte's Shirley " in International Journal of English Language and Literature.

Dr Karmdeep Kaur, Head department of Punjabi published a book on " Life History of Shri Guru Nanak Dev Ji , Mata Nanaki and Bibi Nanaki."

Dr Karmdeep Kaur, Head department of Punjabi published a book chapter on "Punjabi Sabhiyachaar De Badalde Pasaar ."

The Language Dept organized an extension lecture on 24/9/2020 on the 'topic: Life, philosophy and travels of Shri Guru Tegh Bahadur ji'. Sardar Satnam Singh Slopuri from healing souls society and Mrs. Ramanpreet Kaur from SD College Moga were the resource person on this occasion.

On 2/10/2020, 150th birth anniversary of the Father of Nation Mahatma Gandhi was celebrated. An inter and intra college poster making, slogan writing competition were organized on this occasion.

For conservation of environment, department organized a plantation drive in which students planted saplings at home and in neighbouring areas.

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Department of Physics

Physics department had many achievements to be proud of and many activities involving staff and students in the academic year 2020-2021 under the leadership of Ms. Sarbdeep Kaur Sidhu, Ms. Amandeep Kaur Matharoo & Ms. Akashdeep Kaur.

Exceptional Performance by the students in various challenging activities:

- Khushi Jindal of B.Sc. I Non-Medical secured third position in the **National Level Online Poster Making Competition** on the Theme **“Covid-19 Challenges, Safety Measures & Hygiene Practices”** organized by Dev Samaj College for Women, Ferozepur city on 15th June, 2020. Parampreet Kaur and Osheen Kapoor(B.Sc. I NM) also participated in the competition.
- Three students of the college Khushi Jindal (B.Sc. I NM), Mehargurvir Singh (B.Sc. III NM) and Manmeet Kaur (B.Sc. III NM) participated in “Online Physics Intelligence Test (PIT-2020) organized by Dev Samaj College for Women, Ferozepur city on 25th June, 2020.
- Jaskiran Kaur of B.Sc. III NM bagged 3rd prize in the **NATURE TRAIL** (UG Category), Science Manthan, 2021 organized by PDPIAS, Charutar University of Science & Technology, Gujarat on 8th, 9th April, 2021.
- 10 students of the college participated in the Webinar on **“THE MARVELS OF SCIENCE & the Limits”** organized by Dept. of Physics, KCW Sidhwan Khurd on 18th May, 2021.

NATIONAL & INTERNATIONAL CONFERENCES:

- Ms. Sarbdeep Kaur Sidhu, Ms. Amandeep Kaur Matharoo & Ms. Akashdeep Kaur attended one day workshop on **“Online Teaching: Tools and Techniques”** organized by

S. Govt. College of Science Education & Research, Jagraon on 20th June, 2020 by resource person Prof. Tejinderpal Singh.

- Ms. Sarbdeep Kaur Sidhu, Ms. Amandeep Kaur Matharoo has participated in the webinar on “**Career Opportunities for Physics Students after Graduation**” organized by the Dept. Of Physics, Vivekananda College, Madurai, Tamil Nadu on 22nd June, 2020.
- Ms. Sarbdeep Kaur Sidhu attended the online training programme on the theme “**Managing Virtual Classroom and Online Teaching**” organized by Dean, CDC, PU Chandigarh on 3rd, 4th July, 2020.
- Ms. Sarbdeep Kaur Sidhu attended **National level FDP on Effective Use of ICT & e-Content Development** organized by ATMIYA University Rajkot Gujarat from 23rd to 25th July 2020
- Ms. Amandeep Kaur Matharoo & Ms. Akashdeep Kaur completed a short course on “**Learn to design your own Solar Home System**” on 30th August, 2020 organized by energy literacy drive of Energy Swaraj Foundation in association with Janardan Rai Nagar Rajasthan Vidyapeeth.
- Ms. Sarbdeep Kaur Sidhu, Ms. Amandeep Kaur Matharoo & Ms. Akashdeep Kaur attended the FDP session organized by Mastersoft ERP Solutions, Nagpur and S. Govt. College of Science Education & Research, Jagraon on 5th September, 2020 on zoom.
- Ms. Sarbdeep Kaur Sidhu was invited as a **resource person** for an Online Extension Lecture on the topic “**General Awareness regarding Pollution Control**” on 2nd Dec, 2020 organized by SD College for Women, Moga.
- Ms. Sarbdeep Kaur Sidhu, Ms. Amandeep Kaur Matharoo & Ms. Akashdeep Kaur attended National e –Workshop on Wonders of Physics Experiments organized by Dev Samaj College for Women Ferozepur Punjab on 15th to 17th December, 2020.
- Ms. Sarbdeep Kaur Sidhu, Ms. Amandeep Kaur Matharoo & Ms. Akashdeep Kaur attended Webinar on **National Education Policy 2020 & Higher Education** organized by IQAC of S.Govt. College of Science Education & Research Jagraon on 8th Feb. 2021.
- Ms. Akashdeep Kaur attended **National FDP on “Research Methodology”** from 15th-20th March, 2021 organized of IQAC of Govt. College For Girls, Ludhiana.
- Ms. Sarbdeep Kaur Sidhu attended Webinar on **Sexual Harassment of Women at Work Place** organised by PU Chandigarh on 26th March 2021.
- Ms. Sarbdeep Kaur Sidhu attended Two days **International On Line Workshop on GIS & Remote Sensing For Environment Assessment** on 31st March & 1st April organized by SESD New Delhi(India).
- Ms. Sarbdeep Kaur Sidhu attended International Webinar on A Session of Expert Talks on Space Science organized by IQAC of Pillai HOC College of Arts ,Science and Commerce ,Rasayani on 31st May, 2021.

- Ms. Amandeep Kaur Matharoo & Ms. Akashdeep Kaur attended the Webinar on “**THE MARVELS OF SCIENCE & the Limits**” organized by Dept. of Physics, KCW Sidhwan Khurd on 18th May, 2021.

Annual Report of Zoology Department 2020-21

During this session the students were introduced to observation cum performance based experiments due to covid-19 restrictions. The students gathered the easily available stages of insects in their respective environments, observed & recorded their developmental stages with the help of pictures\ photos & thus were able to study the life cycles of insects, giving them an insight into the development involved therein.

In another study the students were asked to click photos & identify the common & scientific name of the birds in their areas. This study helped them together knowledge about the Aves. As an extension of this project the students also gathered some abandoned nests of the birds, which added to the knowledge of the skills of nesting in birds , their types of nests, places of nesting in the birds.

Students took up the study of mammals in relation to their scientific & common names, their habitat & behaviour. This added to their knowledge as an extension of their university curriculum in absence of organised trips due to restriction during covid-19 pandemic.

Some students took part in preparation of a detailed project on parental care in animals. This helped the students to understand the different aspect & mechanisms which animals use to protect their progeny.

Students also prepared an assignment on the topic: classification of enzymes which helped them to increase their understanding of the subject matter.

The teachers of the department were actively involved in providing online study material to the students, clear their doubts when and wherever necessary, so as to avoid any stress development in the students related to online exam system.

ACADEMIC FEATS

The college students have always been meritorious in Panjab University semester examinations. The diligence of the students, the expertise of the faculty, dedication of the college director are reflected in the excellent results of the college.

S.No.	Name of the Student	Class	University Position	Session
1.	Mehargurvir Singh	M.Sc Chemistry 1 st Year (1 st Semester)	4	December 2020
2.	MehardeepKaur	M.Sc Botany 1st Year (1 st Semester)	5	December 2020
3.	AdarshpalVerma	M.Sc Botany 1st Year (1 st Semester)	6	December 2020
4.	Mohit Sharma	M.Sc Botany 1st Year (1 st Semester)	7	December 2020
5.	Riya	M.Sc Botany 1st Year (1 st Semester)	10	December 2020
6.	PayalMonga	M.Sc Botany 2 nd Year (3 rd Semester)	7	December 2020
7.	KanikaSandhu	M.Sc Botany 2 nd Year (3 rd Semester)	9	December 2020
8.	Mohit Sharma	M.Sc Botany 1 st Year (2 nd Semester)	7	May 2021
9.	PayalMonga	M.Sc Botany 2 nd Year (4 th Semester)	7	May 2021

CULTURAL AND EXTRA CURRICULAR ACTIVITIES

On 15/7/2020 under the guidance of honorable college director Mr. Vijay K Singh van mahotsav was celebrated to create an awareness regarding conservation of environment.

Many activities were carried out to commemorate 400 birth anniversary of Shri Guru Teg Bahadur ji. An essay competition was organized to create awareness among students about the philosophy of Guru sahib. Similarly on 5/8/2020, speech competition was organised to create awareness among students about the life and philosophy of shri Guru Teg Bahadur ji.

Daan utsav was celebrated on 8-10- 2020 to develop the feeling of community service. The staff members donated clothes and food items in the slum area.

Mehargurvir Singh from M.sc 1st year Chemistry was given the College Color for bringing accolades in the cultural activities organized during the sessions 2018-19 and 2019-20.

He also participated in National level Quiz Competition organized by Shri Guru Nanak College , Muktsar Sahib and secured 3rd position on the theme “ Shri Guru Gobind Singh Ji”

He also bagged 3rd position in the inter college essay writing competition on “Shri Guru Teg Bahadur Ji”

The college magazine , “The Scientist” was released on 02-03-2021 under the able guidance of Mrs Sumedha Syal .

ACTIVITIES OF VARIOUS CLUBS

YOUTH RED CROSS SOCIETY

YRCS conducted e-Poster Presentation on 21st December, 2020 on the theme “**Covid-19: Its impact on Society & Environment**” Seven students of the college participated in the competition, out of which, Khushi Jindal of B.Sc. II NM stood 1st, Ramandeep Kaur of B.Sc. III NM stood 2nd, Jaskiran Kaur of B.Sc. NM, and Osheen Kapoor of B.Sc. II NM together secured 3rd prize.

WOMEN FORUM

International women’s day was celebrated under the able guidance of Mrs Sukhwinder Kaur, DDO of the college. The faculty members gathered in the auditorium and presented Shabad, poem, song, solo dance and group dance.

NSS UNIT OF THE COLLEGE

NSS unit of the college organized many activities to create awareness among the people regarding the harmful effects and prevention of Covid 19 virus. The volunteers Ms. Maheep Kur, Mr. Adarshpal Verma and Ms Harsimran Kaur made short videos on safety measures against Covid. NSS unit organized oath taking ceremony on 08-10-2020 to follow the guidelines to combat the spread of Covid 19. The 200 NSS Volunteers attended an online survey conducted by UNICEF regarding Career Choice.

Our college promises to provide quality education to the students from varied backgrounds in the ensuing session.

In the last, I would like to sum up in the words of

ABDUL KALAM JI ‘To succeed in your mission, you must have a single minded devotion to your goal.’