

Annual Report 2022-2023

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 '. This year, the college known for Shanti Niketan has been given the Green Campus award by the Punjab International Trust. It's my proud privilege to present the annual report of the session 2022-2023. I list the various activities of all the departments undertaken during the session 2022-2023.

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:

From 13th July 2022 to 30th July 2022, **Prof Kulwinder Singh attended a training programme on Molecular techniques at IHBT Palampur from 13 July to 30 July 2022.**

In August 2022, a plantation drive was organised on the occasion of Van Mahotsava under the supervision of Prof. Kulwinder Singh in which approximately 40 plants have been planted. On 10th August 2022, HOD of Department Prof Jatinder Singh got best teachers award In December 2022.

Prof Dimple Parcha attended faculty induction programme from 21 Nov 2022 to 20 Dec 2022.

Prof Dimple Parcha attended professional development programme on implementation of NEP 2020 from 5 to 13 Dec 2022.

Prof Surbhi Gupta attended professional development programme on implementation of NEP 2020 from 5 to 13 Dec 2022.

Prof Surbhi Gupta attended faculty induction programme from 21 Nov 2022 to 20 Dec 2022

Prof Jatinder Singh attended faculty induction programme from 20 Feb to 21 March 2022

Prof Jatinder Singh attended professional development programme on implementation of 21 to 29 Sept. 2022

Prof Sarvarinder Kaur attended professional development programme from 21 Nov 2022 to 20 Dec 2022

Prof Sarvarinder Kaur attended refresher course on advanced research methodology from 22 April 2023 to 6 May 2023

Prof Danish Puri attended professional development programme from 21 Nov 2022 to 20 Dec 2022

Prof Danish Puri attended refresher course on advanced research methodology from 22 April 2023 to 6 May 2023

Prof Amandeep Kaur attended professional development programme on implementation of 18 to 26 Nov 2022

Prof Amandeep Kaur attended faculty development programme from 22 August 2022 to 26 August 2022

Prof Amandeep Kaur attended faculty induction programme from 6 Dec 2022 to 21 Jan. 2023

On 14th November 2022, Postgraduate Department of Botany organised a trip to PAU Ludhiana under the guidance of Prof Sarvarinder Kaur and Prof Kulwinder Singh.

Prof Kulwinder Singh attended training of life skill education for NSS programme officer of Jammu & Kashmir & Punjab from 27 Oct to 31 Oct 2022

Prof Kulwinder Singh attended faculty induction programme 30 nov to 27 December 2022.

In January 2023, two students of MSc Botany attended two-month training programme under Varitika scholarship at PU Chandigarh. During the training both students got hands on training on electrophoresis, pH meter, basic tissue culture etc

From 8th march onwards, department organised seminars of students. During the seminars MSc II students presented their topics remarkably.

On 15th march 2023, students of Government Senior Secondary School, Chakar visited the Department of Botany. On 24th March 2023, Postgraduate Department of Botany organised a one day trip of BSc II and BSc III to GNDU Amritsar under the supervision of Prof Kulwinder Singh and Prof Surbhi Gupta. There students visited Department of Emerging of Life Sciences, botanical garden, Department of Botany etc

From 25 March 2023 to 29 March 2023, Postgraduation Department of Botany organised 5 days educational trip to Mussoorie, Uttarakhand under the guidance of Prof Sarvarinder Kaur and Prof Danish Puri. There the students learnt about the flora of Mussoorie, Uttarakhand.

In April 2023, student of MSc I Botany, Ms Rishupal has selected for summer research internship 2023 at IMTECH, Chandigarh.

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 2022-2023, the students of our department were able to get admission in some of best research-based Science courses in India and abroad. M.Sc Chemistry student Mehargurvir Singh scored 1873/2000 marks and got third position in University. A lecture on career counselling is given by prof Ameet Rana at Mahapragya school on 27/12/2022. A group of 50 students visited Fategarh sahib , Chattbir zoo, Rock garden and Sukhna lake on 11/2/23 under the guidance of prof Ameet Rana and prof Parminder Singh. Fresher party is given by M.Sc 2 Chemistry students to their juniors on 17/2/23 under the guidance of head of department prof Sumit Soni. Prof Ameet Rana delivered a talk On World Water Day organised by Janshakti Studio on 22/03/23 .15 students of M.Sc Chemistry visited Khalsa college Amritsar for G20 exhibition under the guidance of prof Ameet Rana and prof Sumit Soni. Under the supervision of prof Ameet Rana and prof Akashdeep kaur , 30 students of B.Sc and M.Sc visited semiconductor lab at Mohali on 27/03/23.. 19 students of M.Sc Chemistry visited Dalhousie and Khajihar on 7/4/23 to 9/4/23 under the guidance of prof Sumit Soni and prof Ameet Rana. Farewell party organised by M.Sc 1st year Chemistry students to their seniors on 15/4/23 .. M.Sc 1st year chemistry student Jaspal Kaur bagged 3rd position in University by scoring 402/500. **Prof Kiranjeet Kaur attended PDP on Implementation of NEP 2020 from 27 oct to 5 nov 2022. Prof Sonam attended PDP on Implementation of NEP 2020 from 27 oct to 5 nov 2022.**

Prof ameer rana attended PDP on Implementation of NEP 2020 from 27 oct to 5 nov 2022.

Physics department had many achievements to be proud of and many activities involving staff and students in the academic year 2022-2023.

Department of Physics organized a poster making competition to celebrate National Education Day on 11th November 2022 on the theme "INNOVATIONS IN SCIENCE" in which Jasmeen Kaur (B.Sc. II NM) got 1st prize, Jashanpreet Kaur (B.Sc. II NM) got 2nd prize & Muskan (B.Sc. III NM) got 3rd prize

Sonampreet Kaur and Muskan, students of B.Sc. III NM got 1st prize in paper presentation (on the theme "Role of ISRO in development of India") and poster presentation (on the theme "Physics in Robotics") resp. under Emerging Scientist Category in the National Conference on Recent Advancement in Physics organized by HMV Collegiate Sr. Sec. School, Jalandhar in collaboration with IAPT- RC2 on 17th September, 2022.

Samridhi Grover and Rishav Arora, students of B.Sc. III NM got 1st prize in the SCIVISION (An Inter School Competition) to propose an environmental friendly solution on the "Problem of Air Pollution" organized by Lovely Professional University in collaboration with IAPT - RC2 in Feb, 2023

Sonampreet Kaur, student of B.Sc. III NM stood 1st in Reels Making Competition organized by Dept. of Computer Science of SD College for Women, Moga on the occasion of International Women's Day 2023

A group of 20 students of Physics Department accompanied by Mrs. Akashdeep Kaur visited Semiconductor Lab, Mohali on 27th March, 2023

Prof Sarbdeep Kaur attended PDP on Implementation of NEP 2020 from 5 to 13 dec 2022.

Annual Report of Zoology Department

World Mosquito Day was celebrated by department on 20 august 2022. The Zoology department of the college prepared a presentation on 'World Ozone Day-2022' that was presented for the students on September 16, 2022. The theme for 2022 was- 'Montreal Protocol at 35: global cooperation protecting life on earth'. On the occasion of World Heart Day on 29 September 2022. Our students of B.Sc. II (Medical) took an initiative to do the same for all the college students and staff. A display board was prepared by them using the caption 'Take the Road to a Healthy Heart'. The Department of Zoology of Sanmati Government College of Science Education and Research, Jagraon organised a special program on 'World Mental Health Day' on October 10, 2022 to create awareness among the students for maintaining good mental health. The resource person, Dr. Dilpreet Singh (BAMS) who was accompanied by his team member, Mrs. Chander Prabha. The resource person enlightened the students about the various aspects of stress and it's management. On the occasion of birthday of scientist Charles Darwin, Darwin Day was celebrated at college in which students presented presentation on his theory of "Natural Selection".

Prof Radhika Dawar attended Induction or orientation programme on faculty in universities /colleges of higher education from 20 june to 19 july 2022. Prof Radhika Dawar attended FDP on Digital Security in Online classroom from 10 to 16 october 2022.

prof radhika dawar attended pdp on implementation of NEP 2020 from 27 oct to 5 nov. 2022.

Other activities of college

Students have also excelled in cultural and educational activities. Co-curricular activities and cultural programs are organized for the all-round development of students. While science students excel in academics, they also perform admirably in cultural programs and co-curricular activities. In the youth festival held at Baba Kundan Singh College Mahar, students won eight prizes by participating in various activities.. Companies are invited to the college every year to provide employment to the students under the able guidance of Shri Jatinder Singh head Department of Botany. During this year 2022-23, 10 students of M.Sc chemistry of the college and one student of B.Sc III medical were selected by the IOL company, a total of 11 students were selected by the company and these students got this job after receiving the offer letter.

Prof Parminder Singh from Maths department attended PDP on Implementation of NEP 2020 from 27th October to 5th November 2022.

Students are also taken on educational tours from time to time so that students can get information related to their subjects by going to different places Students of BSC Part I, II and III were trained at Semiconductor Lab Mohali and BSC Part II students were trained in different labs of Guru Nanak Dev University, Amritsar. Many clubs have also been formed in the college so that proper guidance can be given to the students from time to time keeping an eye on their future. Buddy groups formed by the college to inform about the ill effects of drugs.