

h

ANNUAL REPORT OF THE PROGRAMMES UNDERTAKEN BY THE TEACHERS - 2018-2019

During the session 2018-19, four teachers, Dr. Kulbhushan Rana, Dr. Harkanwal Singh, Ms. Monika Singla and Ms. Rachna attended workshop on 'DBT star College Scheme Grant Proposal' at Doaba College, Jalandhar. This workshop aimed at how to apply for the Star College scheme of DBT, Ministry of science and technology, GOI. The terms and conditions for DBT support were discussed that would strengthen and upgrade skills of faculty and the students. All the four teachers were provided with financial support to attend this workshop. The college organised one day lecture for teaching and non-teaching staff.

Four non-teaching employees a six day workshop on "MS Excel Software" was conducted in which the employees were provided the training about the intense formulas to be used in speeding up the work on MS Excel. One more six day training programme was conducted on "Modern Accounting Practices" to enhance the efficiency of the non-teaching faculty by using double entry system and GAAP. Besides, one week short-term training programme on "Waste Management Practices for Environmental Sustainability" was attended by Dr Vandana Kukreja. In this training program, demonstration of waste management, vermi composing and its practical demonstration was given by the experts.

✓
Principal
S.D. College, BARNALA
Avt

ANNUAL REPORT OF THE PROGRAMMES UNDERTAKEN BY THE TEACHERS – 2019-20

During the session 2019-20, Dr Rajesh Gupta along with Prof. Gaurav Singla attended national seminar on “Revised Accreditation Framework” in which the participants were provided the information regarding the revised framework of NAAC. Dr Rajesh Gupta and Dr Manish Kumar attended MHRD MESC sponsored workshop named “Manthan”.

“Capacity Building workshop for NAAC Accreditation of Colleges” was attended by Dr Rajesh Gupta as well as by Prof. Gaurav Singla. The purpose of the workshop was to enlighten the teachers with various parameters regarding NAAC accreditation and policy. Prof. Savita Sood and Dr Kulbhushan Rana attended the workshop on “Chemical Lab Safety-Concerns and Practises”. In this workshop, the participants got the knowledge of the safety measures in using various hazardous chemicals when students make use of them in labs.

All these teachers were provided financial support by the institution to attend the seminar and the workshop. To promote quality in education and broaden the horizons for learning, the institute organised “Faculty Lecture Series on Contemporary Issues”.

In the first lecture of the series, Dr Rama Sharma presented a motivational talk on “The Teacher as a Professional”. In this talk 43 members from the teaching staff were present and the focus of the talk was how to use new techniques of teaching that will enhance their professional skills.

A one-day workshop on “UGC Guidelines on Career Advancement Scheme” was organised in the college. Dr Rajesh Gupta deliberated in detail the guidelines for promotion of teachers in the colleges - CAS- 2018 as per UGC regulations- 2018

A two-day workshop was organised on the topic “Formulation of Program, Objectives, Program Specific Objectives and Course Objectives” Dr Tapan Kumar Sahu, the resource person on the first day began the session with a wider discussion on current Teaching-Learning outcomes. The participants were also guided and helped to frame the PSOs and POs of the various college courses and programmes. On the second day, Prof. Gaurav Singla explained how teachers can plan their lectures keeping COs in mind.

v
Principal
S.D. College, BARNALA
4/1

ANNUAL REPORT OF THE PROGRAMMES UNDERTAKEN BY THE TEACHERS – 2020-21

Three faculty members, Ms Amandeep Kaur, Ms Nirupma and Mr Amardeep Singh attended FDP on “Moodle learning Management System” from August 1, 2020 to August 5, 2020 in which the participants had an effective learning on LMS.

Dr Rajesh Gupta, Dr Vandana Kukreja and Mr. Gaurav Singla attended a workshop on “Design, Development, Delivery of e-Content and Online Assessment” in which training was provided to participants regarding how to design, develop and deliver e-content for efficient teaching.

Computer Department of the college organised a webinar on “MS- Excel and Word” in which the resource person described the various functions and features of MS-Excel and discussed various shortcuts and formulas for sorting and filtering data. Total 331 students and 41 faculty members attended the event.

IQAC in association with the Department of Computer Science organised a hands-on-training workshop on “Campus Management Software” from 17th of March 2021 to 29th of March 2021. 25 teaching and 04 non-teaching staff members attended the workshop. The participants were given the training about different course structures and subjects in the Master Disc of the software. They also learnt about generating student based and university-based reports from the data available in different courses. The second session of this workshop was held from 30th March 2021 to 1st of April 2021 in which 18 teaching and 09 non-teaching staff members were provided the training regarding uploading and downloading the data available on the software in different formats in the scenario of Covid-19 Pandemic. An online workshop on “Assessment of Online Examination” was conducted by the Department of Computer Applications on

21st of May 2021, in which the faculty members were provided the hands-on-training to use Free Conference Call App for taking online classes and the another app “Microsoft Edge” for evaluating the answer sheets. Around 43 faculty members attended this online program.

Dr Tarspal Kaur attended “44th Faculty Induction Program” from 10th of August 2020 to 8th of September 2020 conducted by HRDC Punjabi University Patiala. Various prospects of teaching and learning like learning thinking skills, national and international funding agencies in the field of research, digital technology, research methodology, water and waste management etc. were discussed in this program.

Dr Baltej Singh, Dr Kulbhushan Rana and Mr Satpal Singh, Miss Priyanka Bhagla and Mr. Rachpaul Lamba attended FDP on “Online Teaching, Learning Practices, Challenges and Solutions” at SGTB Khalsa College, Sri Anandpur Sahib, Punjab from July 7, 2020 to July 12, 2020. The focus of this FDP was on imparting training to the teachers to handle various challenges faced by them during Covid-19 Pandemic. Many new skills about MOOCs and online teaching and pedagogical aspects of online teaching learning practises were explained to the participants.

Mr Satpal Singh from Department of English attended FDP on “Language and literature- A Pragmatism” from 20th of July 2020 to 26th of July 2020. He also attended FDP on “Literacy Criticism” from 30th of July 2020 to 5th of August 2020, workshop on “Intricacies of NAAC Assessment for Better Scoring” from 27th of July 2020 to 31st of July 2020, workshop on “Language Translation Skills” from 8th of August to 12th of August 2020, workshop on “Gender-based Violence and Prevention of Sexual Harassment at Workplace” from 13th of

August 2020 to 14th of August 2020, workshop on “Changing Faces of Human Rights” from 16th of October 2022 to 20th of October 2020

Ms Inderpreet Kaur participated in a workshop on “Language Translation Skills” from 8th august to 12th august 2020 and FIP from 2nd of March 2021 to 29th of March 2021.

Ms. Rajni Gupta attended workshop on “Introduction to IPR and Patent Protection” on 5th of April 2020. She along with Miss Savita Sood attended workshop on “MS-Word and PowerPoint, Exclusive for Beginners” from 3rd of August to 14th of August 2020 and workshop on “Frontiers in Material Sciences” from 9th of October to 10th of October 2020.

Dr Vandana Kukreja participated in FDP on “Fostering Global Competencies among the Faculty during COVID-19” from 6th of July 2020 to 10th of July 2020 in which various platforms for online teaching like Zoom, FCC, Google Meet etc. were discussed

✓
Principal
S.D. College, BARNALA
10/1

ANNUAL REPORT OF THE PROGRAMMES UNDERTAKEN BY THE TEACHERS – 2021-22

Dr. Manish Kumar from Department of Botany attended a workshop on “Advancing Green Educational Campuses- A Regional Experience Sharing” from 9.12.2021 to 11.12.2022 in which the thrust was laid on how to provide green cover to the campus by planting saplings and using three R’s formula.

Dr Rama Sharma, Dr Rajesh Gupta and Mr Gaurav Singla attended “Capacity Building Workshop Regarding NAAC” on 23 February 2022.

Dr Kulbhushan Rana along with Ms Navneet Kaur attended “Science Week Festival- Sarvatre Gyan Pujiyate” from 22.02.2022 to 28.02.2022 based on enriching participants’ knowledge through various competitions.

Dr Rajesh Gupta participated in Capacity Building Programme on “NAAC Accreditation Awareness Programme for College” on 02.03.2022.

Dr Sanjay Kumar Singh from Department of Physics participated in FDP on “Creating and Publishing e-Content in Technical Teaching-Learning Process”. In this FDP, the focus was on enriching the knowledge of the participants in digging internet information for academic resources. Tools for content preparation and course delivery were discussed. He also participated in Short Term Course (STC) on “Optics: Diffraction and Interference of Light” at IIT

Kanpur from 25.02.2022 to 2.3.2022. The resource person Dr. H.C.Verma explained various Optical Phenomenon by using Experimental Exposure.

Dr. Kulbhushan Rana and Miss Rajni Gupta from Department of chemistry attended two-week online FDP on “Chemistry-The Catalyst for Change” from 14.7.2021 to 28.7.2021. This program aimed at to provide exposure to cutting-edge Chemical Research and Technology and create a culture of learning and self-improvement among faculty members. Ms Rajni Gupta also attended one week of FDP on “Research Methodology”.

Ms Nirmal Gupta, Miss Neeru Goyal, Dr. Khulbhusan Rana, Dr.Renu Bala, Dr. Manish Kumar and Dr Amandeep Kaur attended seven days FDP on “Together for Education” from 28.7.2021 to 03.08.2021. In this program, SPSS usage and its elements in education research was discussed. Some of the topics like psychology, learning of differently abled child, Indian Education System, were thoroughly discussed. This FDP resulted in overall enhancement in quality of the faculty.

Dr Manoj Kumar, Dr Manjeet Singh, Dr Manish Kumar and Ms. Sonia Goyal attended 4-week Induction Orientation Programme. This Orientation Programme was supporting tool for Career Advancement of faculty.

Dr Renu Bala from Department of Zoology attended seven days FDP on “Understanding Geodiversity and Geoheritage” from 22.2.2022 to 28.2.2022. During different sessions, the learned personalities explained in detail Geodiversity, Geoheritage and Geoparks.

Dr. Khulbhushan Rana attended National Symposium on “Scope and Prospectus of Chemical Science” from 26.7.2021 to 31.7.2021. The information related to innovations in the field of chemical science and their score in daily life was provided to the participants.

Dr. Vandana Kukreja along with Ms. Savita Sood and Ms. Rajni Gupta attended online STC on “ATRMM-21” from 26.7.2021 to 31.7.2021 in which they were enlightened on latest analytical techniques highlighting spectroscopic techniques and their use in Material Sciences.

A workshop on “Admission Software” was organised in the institute by the Department of B.Voc(Software Development)for teaching and non-teaching staff. 56 teaching staff members and 6 non-teaching staff members got benefited by this workshop. The aim of this workshop was to get the staff members acquainted with various salient features and working of newly developed Admission Software.

The Department of Chemistry Organised a workshop on “Chemistry Software” on 2-6-2022 in which 19 teaching staff members were present. The members were provided the training regarding CHEMSKETCH software and its utility while writing chemical equations and preparing PPTs.

The Department of Mathematics organised a seven-day workshop on “MATLAB Software” from 5-02-2022 to 12-02-2022. The participants were made aware of new computational techniques for making plots and graphs.


Principal
S.D. College, BARNALA


ANNUAL REPORT OF THE PROGRAMMES UNDERTAKEN BY THE TEACHERS – 2022-23

Dr Baltej Singh, Dr Manoj Kumar Gupta, Dr Sanjay Kumar Singh, Dr Kulbhushan Ranna, Ms Rajni Gupta, Ms Savita, Sood, Dr Renu Bala, Dr KamalPreet Kaur, Dr Manish Dr Amardeep Kaur Dr Rajesh Gupta, Ms Upasana, Ms Dimple Rani attended “26th Punjab Science Congress-National Conference on Environment, Food, Security and Health with reference to Climate Change” from 7-2-23 to 9-2-23 in which the faculty members presented their papers through posters also. During the different sessions, eminent resource persons highlighted the applicability of bio compatible alloys in the field of radiation dosimetry, medical imaging, medical technology etc. The participants got the opportunity to interact with eminent academicians of different disciplines and know about their latest findings.

Dr Manoj Kumar Gupta attended two-day National Conference on “Radiation Physics” from 15-12-2022 to 16-12-2022, organised by Bangalore University, Bengaluru. He presented his research paper entitled “A Study of Fundamental Aspects of Magnified and Non-magnetised Ferromagnetic Materials”. In this conference, the uses of radiation for future requirement of power generation within economical cost were briefed.

Dr Sanjay Kumar Singh attended a five days event entitled “Physics Teachers Training Program (PTTP)- Quantum Mechanics” at International Centre for Theoretical Science (ICTS), Tata Institute of fundamental research, Bengaluru Karnataka from 9-1-2023 to 13-1-2023. Dr Kulbhushan Rana participated in nine days (10-19thJan.,2023) GIAN course on “Miniaturised Total Analysis Systems” organised by Punjabi University Patiala. The focus of this course was to expose the participants to the fundamentals of microfluidics, microfabrication

and separation science. The resource persons also provide an understanding of the impact of the manufacturing approach on design, integration and cost of prototyping and upscaling.

Dr Sanjay Kumar Singh participated in seven days training programme on the topic "Advances in the tradition of Materials from 12th to 18th September 2022 under DST-STUTI M.S. University, Benoda, Gujarat. He participated in "Advances in Experimental and Simulation Techniques for Materials Science" under STUTI Program at DST IIIT Allahabad, Prayagraj, UP from 21st to 27th June 2023 also. He attended "Mini Physics Training and Talent Search Programme PTTS 2023" as a resource person at H.P.T.Arts and R.V.K Science College Nashik, Maharashtra from 17th to 21st March 2023.

Two faculty members, Dr Baltej Singh and Dr Manoj Kumar Gupta attended sixth national conference on "Advanced Materials and Radiation Physics" organised by Department of physics SLIET, Punjab from 18th to 19th of May 2023. They present their research papers.

Dr Baltej Singh and Dr Manoj Kumar Gupta from the Department of physics attended one week online FDP on "Principles of Radiation Detection and Measurements and Experimental Techniques" on 03-09, April 2023. Lectures on different topics like "Introduction to Radioactivity and Decay" "Nuclear Application using Nanotechnology", "Interaction of radiation with matter", "Solid state Nuclear Detectors" were delivered by the experienced and eminent academicians personalities.

Dr Manish Kumar and Dr Amardeep Kaur from Department of Botany attended "4th National Research Scholars Meet-2023" conference on "Evolving Trends and Challenges in Multidisciplinary Research" from 16-3-2023 to 17-3-2023 at SGGS World University Fatehgarh Sahib.

Miss Savita Sood Mam attended a “Conference on Recent Advances in Chemistry CRAC-2023” on February 23rd -24th ,2023. She presented a poster entitled “Role of Fish Oil in Human Health-A Review”. The main motive of this conference was to provide platform to the young scientists to directly interact with the experts from the fields of chemical, environmental sciences, nanotechnology and green chemistry.

The Department of chemistry organised a workshop on “Lab Safety Measures” on 13 February 2023. Dr Kuldeep Kaur elaborated the identification of chemical hazards and lab safety practises. Shri Vijay Sharma, training supervisor, Red Cross Society, Barnala imparted training regarding artificial respiration, handling and burning incidents etc. 16 teaching and 5 non-teaching staff members attended this workshop. The department conducted Two days, Hands on Training Program for Laboratory Staff on 17th and 18 February 2023 on “Repair, Maintenance and Calibration of the Instruments”. Mr Kavish Kumar, Engineer, Lab Technology Solutions Ambala shared his knowledge about technical fault that can occur in various instruments such as PH Meter, Colori Meter, conductometer, water bath etc and train them about the repair, collaboration and maintenance of the instruments. 12 non-teaching staff-members attended this training.

Dr Bahadur Singh attended a seven-days workshop on “Athletics” from 8 to 14 February 2023. The objective of the workshop was to provide knowledge to delegates in the field of athletics.

Ms Nirupama participated in one week, FDP on “Amazon Web Services” organised by Magna Institute of Engineering at the end technology for women from 22nd to 27th of August 2022. This FDP provided knowledge regarding the AWS services to the developed so that they can assess them from anywhere if the need so arises

Ms Sonia Goyal from Department of Commerce participated in an International Conference on Digital Transformation, Redefining Business Models and Strategies for the Digital Era organised by Christ College, Pune from 6th to 7th June 2023 and presented the research paper titled “Role of Social Media in the Selection of Cultural Heritage Destinations: Review of Literature”. She participated in a five days virtual FDP on “Advance Tactical Techniques for Data Analysis using R” organised by Department of Management Studies, Acharya Bangalore B School from 22nd to 26th May 2023.

Dr Rama Sharma along with Dr Rajesh Gupta attended “One day NAAC Awareness Programme” organised by state project directorate Rashtriya Uchchatar Shiksha Abhiyan, Department of higher education, Chandigarh on 20-12-2022.

Dr Dimple rani attended International Conference on “Analysis and Its Application” (ICEA 2023) organised by Department of mathematics Shivaji College, University of Delhi from February 27th-28th, 2023. The main motive of the conference was to provide a platform to the researchers where they can directly interact with the learned specialists of the field and acquaint themselves with one of the fascinating branches of mathematics analysis.

Mr Satpal Singh from Department of English attended an Orientation Programme for Faculty in Universities/Colleges, institutions of Higher Education from 20 July to 18 August 2022. In this program, the participants were acquainted with the recent techniques in pedagogy along with a focus on developing their technological administrative skill set.

The faculty members were provided financial assistance by the institute to attend the programs.


Principal
S.D. College, BARNALA
Ary