

General Shivdev Singh Diwan Gurbachan Singh
KHALSA COLLEGE PATIALA

An Autonomous College

**Under the Management of Shiromani Gurdwara Prabandhak Committee, Sri Amritsar Sahib
Affiliated to Punjabi University Patiala**

NAAC Accredited 'A' Grade

**College with 'Potential for Excellence' Status by UGC
'Star College Status' by DBT, Govt. of India**

Annual Report
Session 2019-20

Dr. Dharminder Singh Ubha
Principal

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General Shivdev Singh Diwan Gurbachan Singh
Khalsa College Patiala

Annual Report 2019-2020

The session 2019-2020 was very auspicious for the college. During this session, the college completed 60 years of establishment. Three-day online Diamond Jubilee function was organised at national and international level during Covid 19 lockdown. During the diamond jubilee year of the college, it was awarded with "The Best Trusted Educational Organisation of North India- 2019" by International Brand Consulting Corporation America.

The college was also awarded with "Asian Education Award- 2019" by International Brand Consulting Corporation America at Bangkok. During this session, the Departments of Physics, Chemistry, Mathematics and Biotechnology of the college were chosen for Star College Scheme by DBT, New Delhi and grant was given to the Departments for their further development.

During this session, an efficient student of the college, Sangampreet Singh Bisla represented India in Youth World Archery Championship at Madrid, Spain and brought laurels to the college at International level by winning bronze medal.

It is a proud moment for the college as during this session the research done by Dr. Sarabjit Singh Ahluwalia and research scholar Anamika Pokhria of Department of Biotechnology on cleaning dirty water was granted patent by Government of India. The patent Bioremediation of Reactive dyes with PaenibacillusSp (2483-DEL-2014) at the number 332014 on 14 .2. 2020. This is the first patent of Khalsa College Patiala.

During this session, the new self-employment certificate courses started by the college were Certificate Course in Sikh Studies, Certificate Course in Bakery and Confectionery and Certificate Course in Website Development.

1. Admissions

In session 2019-20, total 6301 students took admission, out of which 4041 were boys and 2260 were girls.

2. Students with First Position in College:

The students performed remarkably well during 2018-19 session. The following students got more than 85% marks in their classes and also got first position in college:

Student of B.Sc. Non-Medical-I Gurpreet Kaur got 9.10 C.G.P.A., B.Sc. Non-Medical-II student Shimona got 8.90 C.G.P.A., B.Sc. Non-Medical-III student Sumandeep Kaur got first position with 9.14 C.G.P.A., B.Sc. Medical-I student Manpreet Kaur got 8.58 C.G.P.A., B.Sc. Medical-II student Gurpreet Sharma got 8.97 C.G.P.A., B.Sc. Medical-III student Upninder Kaur got 9.10 C.G.P.A. and first position. B.Sc. Honors Agriculture-I student Bunty Saini got 9.06 C.G.P.A., and B.Sc. Honors Agriculture-II student Gurpreet Singh got 8.86 C.G.P.A., B.Sc. Honors Agriculture-II student Navpreet Kaur got 9.07 C.G.P.A. and first position. B.Sc. Honors Biotechnology-I student Arshveer Kaur Hans got 9.03 C.G.P.A., B.Sc. Honors Biotechnology-II student Mehakpreet Kaur got 8.61 C.G.P.A. and B.Sc. Honors Biotechnology-III student Navdeep Kaur got 8.83 C.G.P.A. and first position B.Sc. CSM-II Komaldeep Kaur Virdi got 9.07 C.G.P.A. and B.Sc. CSM-III student Harpreet Kaur got 8.83 C.G.P.A. and first position. B.Sc. Honors. Mathematics-I student Gurpreet Kaur got 9.00 C.G.P.A., B.Sc. Honors Mathematics-II student Sifti got 8.86 C.G.P.A. and B.Sc. Honors Mathematics-III student Ashwita got 9.13 C.G.P.A. and first position. B.Sc. Honors Physics-I student Simran Kaur got 8.73 C.G.P.A. and B.Sc. Honors Physics-III student Vidhi Dambla got 8.90 C.G.P.A. and first position. B.Sc. Honors Chemistry-I student Simranpreet Kaur got 9.19 C.G.P.A., B.Sc. Honors Chemistry-II student Jaspreet Kaur got 9.37 C.G.P.A. and B.Sc. Honors Chemistry-III student

Diwangi Sharma got 9.23 C.G.P.A. and first position. B.Com.-I student Prabhpreet Kaur got 8.82 C.G.P.A. and B.Com.-II student Drishti got 9.13 C.G.P.A. and B.Com.-III student Manmeet Kaur got 9.23 C.G.P.A. and first position. B. Com. Honors-II student Amrinder Kaur got 8.94 C.G.P.A. and B.Com. Honors-III student Ramandeep Kaur got 8.74 C.G.P.A. and first position. B.B.A.-I students Rachna, Jasmine Kaur and Himshikha Saini got 8.68 C.G.P.A. and B.B.A.-II student Amroz Kaur got 8.8 C.G.P.A. and B.B.A.-III student, Sakshi Rani secured first position with 8.96 CGPA. B.C.A. II student, Pardeep Singh and B.C.A. III student, Gurbaksh Kaur secured first position with 9.07 CGPA and 8.53 CGPA respectively. Simrandeep Kaur, student of B.A.-I got 9.00 CGPA. Naina Kinger student of B.A. III with 9.22 C.G.P.A. and Jyoti, student of B.A.-III with 8.96CGPA secured first position. B.A. Honors Social Sciences-I student Amandeep Kaur secured first position with 8.89 CGPA. B.A. Hons. English-I student Bhupinder Kaur got first position and 8.76 CGPA. B.Voc. Food Processing and Engineering-I student Davinder Singh got first position and 8.76 CGPA. B.Voc. SD -I student, Ratanpratap Singh got 1st position with 8.8 CGPA and B.Voc.SD-III student Pushpdeep Kaur secured 1st position with 8.68 CGPA. B.Voc. Automobile- I student, JatinderSingh with 8.75 CGPA and B.Voc.-II student, Gurmeet Singh with 8.5 CGPA secured 1st position respectively. B.Voc. Agriculture-I student, Ranjodh Singh got 1st position and 8.83 CGPA and B.Voc. Agriculture-III student, Pardeep Kaur got 1st position with 8.67 CGPA. M.Com.-I student, Amanjot Kaur secured first position with 8.89 CGPA and M.Com.-II student Lavika got 1st position with 9.26 CGPA. M.B.A. (LD) I student, Komalpreet Kaur with 9.05 CGPA and M.B.A. (LD) III student, Simranjeet Kaur with 8.70 CGPA secured first position respectively. M.Sc. Chemistry I student, Harwinder Kaur with 8.92 CGPA and M.Sc. Chemistry-II student, Neha Rani with 8.66 CGPA secured 1st position. M.Sc. Physics-II student, Maheep Kaur got

1st position and 8.67 CGPA. M.Sc. Fashion Designing and Technology-I student Maninder Kaur got 1st position and 8.75 CGPA and M.Sc. Fashion Designing and Technology-II, student Parminder Kaur acquired 1st position and 8.70 CGPA. M.Sc. Agronomy -I, students Gurinder Singh and Manmeet Kaur secured first position with 8.52 CGPA. M.Sc. Agronomy-II student Amandeep Sharma secured first position with 9.30 CGPA. M.Sc. Vegetable-I student Jiwanjot Kaur secured first position with 9.18 CGPA. M.Sc.IT-I student Ramanjeet Kaur got first position and 9.2 CGPA. M.sc.IT-II student, Ramanjeet Kaur got first position with 8.84 CGPA. PGDCA student, Neha Mehta got first position and 8.90 CGPA. M.Sc. Mathematics-I student, Gurpreet Kaur with 9.8 CGPA and M.Sc. Mathematics-II student, Lakhwinder Kaur with 9.70CGPA and Gita Singla from the same class with CGPA 9.70 secured first position. M.Sc. Statistics-II student Tamanna Rani secured first position with 8.53CGPA. Students of M.A. Music Vocal-I Gurpreet Singh and Navjot Singh secured first position with 8.75 CGPA. M.A. Music Vocal-II student, Manish secured first position with 9.25 CGPA. M.A. Psychology-I student, Amandeep Kaur got first position and 9.00 CGPA, M.A. Political Science –I student, Savita Rani got first position with 8.62 CGPA. M.A. Economics-I student, Priya got first position with 8.9 CGPA. Advanced Diploma in French student, Pushpinder Kaur secured first position with 8.50 CGPA. Intensive Diploma in French student, Harpreet Kaur secured first position with 9.13 CGPA.

3. Educational Achievements of Teachers:

During this session, **Dr. Amandeep Kaur Sidhu** received her Ph.D. degree from Desh Bhagat University, Mandi Gobindgarh. **Dr. Bharat Goyal** received his Ph.D. degree from Maharishi Markandeshwar University, Mulana, Ambala and **Dr. Rosy Bansal** received her Ph.D. degree from Sri Guru Granth Sahib World University, Sri Fatehgarh Sahib.

4. Completion of Ph.D. Degrees under the Supervision of College Teachers:

Under the supervision of Associate Professor of the Post Graduate Department of Punjabi, Dr. Pushpinder Kaur and Co-Supervisor Sumanpreet Kaur, Head, Department of Linguistics and Lexicography, Punjabi University, Patiala, research fellow Lakhwinder Singh completed his Ph.D. on “Linguistic and Cultural Analysis of Boriya Caste”.

5. Best Teacher Award:

Dr. Nipunjot Kaur from Department of Biotechnology was awarded best teacher award from INSC Bengaluru in February 2020.

6. Best Researcher Award:

Dr. Sarabjit Singh Ahluwalia of Department of Biotechnology received Best Research Award in 2nd International Scientist Awards on Engineering Science and Medicine held at Visakhapatnam.

7. International Conferences, National Webinars, International Workshops and National Kavi Darbaar organized by the College:

International Conference organized by the College:

3rd Khalsa College Global Punjabi Conference:

The 3rd Khalsa College Global Punjabi Conference dedicated to the Diamond Jubilee Year of the College was held on 12 and 13 March, 2020. The inaugural session of the conference was presided by Bhai Gobind Singh Ji Longowal, President, Shiromani Gurdwara Parbandhak Committee, Sri Amritsar Sahib and S. Balwinder Singh Bhundar, Member Parliament, Government of India. The keynote address of the conference was delivered by Prof. Dr. Ravel Singh of Delhi University, Delhi and the Chief Guest of the closing ceremony was Dr. Tejinder Kaur Dhaliwal, Director Education, Shiromani Gurdwara Parbandhak Committee, Sri Amritsar Sahib. Scholars from India as well as from UK, New

Zealand, USA, Canada, Japan and Australia presented their views in the conference.

8. National Webinars organized by the college:

Kuch Bhi Ho Sakta Hai:

The Department of Economics of the college organized a webinar on 05 June 2020 on the subject “Kuch Bhi Ho Sakta Hai” in which Bollywood writer, actor and director Mr. Karan Rajdan delivered the keynote address.

9. National Workshops Organized by the College:

9.1 Intellectual Property Rights:

The IQAC cell of the college organized one-day workshop on Intellectual Property Rights in December 2019. During the workshop, Mrs. Divya Kaushik of Punjab State Council Science and Technology, Chandigarh was the resource person.

9.2 Research Methodology in Physical Science:

On 15 February 2020, the National Workshop on “Research Methodology in Physical Science” was organized by the Post Graduate Department of Physics of the College. During this workshop, Dr. Arvind from I.S.E.R, Mohali of Physics department attended the workshop as Chief Guest.

9.3 Basics of Rheology and Dynamic Light Scattering:

On 6 March 2020, Post Graduate Department of Chemistry in association with Anton Par Company organized one-day National Workshop on “Basics of Rheology and Dynamics Light Scattering”. The workshop was attended by Mr. Mann Kumar, Sales Manager, Anton Par Company and Mr. Sudhanshu Vedi, Technical Manager as Resource Persons.

10. National Kavi Darbaar:

Department of Hindi organized Trilingual Kavi Darbaar dedicated to the 550th birth anniversary of Sri Guru Nanak Dev Ji in which great poets of Hindi, Urdu and Sanskrit of India participated.

11. Research Papers presented /participated in International Conferences:

11.1 Research Papers presented in International Conferences:

Dr. Harvinder Kaur presented a paper in an International Conference on “Diverse dimension of Guru Nanak Bani” on the topic “Sri Guru Nanak Dev: A Revolutionary Poet” held on 4 March 2020.

Dr. Pushpinder Kaur and **Dr. Lakhwinder Singh** presented a paper in Khalsa College Global Punjabi Conference organized by Khalsa College Patiala on “Grammatical comparative study based on noun and pronoun word category of the Language of the Boria Caste and Taksalli Punjabi Language”, held on 1-13 March 2020. **Dr. Jeevanjot** also presented a research paper in this conference on the topic “The Importance of Guru Teg Bahadur’s Travel: Historical Perspective”.

Dr. Bharat Goyal presented paper on topic “Specially Structured Flow Shop Scheduling in Two Stage With Separated Set Up Time Associated with Probabilities and Concept of Job Block to Optimize Total of the Waiting Time of Jobs” in two-day International Conference ICFMST-2019 held on 7-8 June 2019.

Dr. Tejinder Pal Singh presented a research paper on topic “Assessing Developmental Trends of Punjab’s Musical Tradition in Abroad” in Brampton (Canada) from 20-30 June 2019 in International Conference on “Problems and Solutions of Punjabi People in the World”.

Prof Sandeep Kullar presented a paper on topic “Electoral Politics in Punjab: The Rise and Fall of Tripolar Political System” in an International Conference on Contemporary Issues and Challenges to Polity and Governance in

India: Emerging Paradigm Shifts and Future agenda, organized by Government Mohindra College Patiala from 17-18 February 2020.

11.2 Participation of Teachers in International Conferences:

Dr. Sapna and **Prof. Varleen Kaur** participated in one-day International Conference on “Covid-19: Potential & Challenges for Growth & Development of Hospitality and Tourism Industry” organized by PCMA on 21 June 2020.

12. Poster presentation /participation by Teachers in National conferences:

Dr. Monika Bansal presented a research poster on “Amino Thiazole- The Molecule of Diverse Biological Activities” and **Dr. Rupi Dhir** presented on “Photo catalytic Degradation of Methyl Orange Dye using Doped Zinc Oxide Nanoparticles” in 12th International Conference on Chemical and Environmental Science: Advanced Innovations-2020 organized by Department of Chemistry, Punjabi University Patiala on 19February2020.

Dr. Satvinder Kaur participated in National Capability Enhancement Conference: Education for Meaningful Life Part-3 organized by Punjab Commerce and Management Association in July 2020.

Dr. Mansimran Kaur presented Poster on “Chemical Analysis and Sensory Evaluation of Non-Dairy Milk Alternatives Prepared from Rice and Almond” in 3rd National Conference Innovation in Bioscience and Technology organized by Multani Mal Modi College Patiala on 7March 2020.

13. Participation of Teachers in National and International Webinars:

Dr. Harvinder Kaur participated in International Webinar on “Role of Education during Covid-19 Pandemic” organized by Guru Nanak College, Ludhiana on 25 May 2020. She also participated in Two Day International Webinar on “Historic Sikh Shrines” held from 7-8 June 2020.

Prof. Sukhmeen Kaur participated in an International Webinar on Online Security Issues: Problem and Solutions organized by the Department of Computer Science, Guru Nanak College, Budhlada on 23 June 2020.

Dr. Monika Bansal participated in the International Webinar on Recent Advances in Chemical Science on 28 July 2020 and the National Webinar on Latest Developments in Green Chemistry on 24 July 2020.

Dr. Amandeep Kaur Sidhu and **Prof. Varleen Kaur** participated in International Webinars on “International Conference COVID-19: Potential and Challenges for Growth and Development of Hospitality and Tourism Industry” organized by PCMA on 21 June 2020, National webinar on National Capability Enhancement Conference: Education for Meaningful Life on 2 July 2020 and from 19-20 June, 2020 on “India-An Employment and Self-Reliant Economy Perspective”. **Dr. Amandeep Kaur Sidhu, Prof. Sapna** and **Prof. Varleen Kaur** participated in a webinar on “Intellectual Property Rights (Copyright, Patent and Trademark) held on 14 August 2020.

Dr. Vandana Kapoor participated in National webinar on "Sri Guru Teg Bahadur Ji: Life and Bani Darshan" held at Khalsa College on 13 August 2020 and “Disruption Strategy: A Chartsheet in Post Covid-19 World” on 22 August 2020.

Prof. Jasmeen Kaur participated in National webinar on "Covid-19 Lesson for Education" organized by Punjab Commerce & Management Association on 25 May 2020.

Dr. Rosy Bansal participated in a National webinar on "Novel Approaches to Overcome Impact of Current Pandemic Scenario on Food Sector" held on 21 May 2020 and IPR & Patenting on 2 July 2020.

Dr. Pardeep Kumar participated in National webinar on "Meditation a Progressive Path towards the Peaceful Society" on 7 June 2020, From 13-16 June 2020 on Online Quiz Competition “Covid-19 Awareness”, on 20 June 2020

“Definition and Role of Sanskrits in Pre & Post Pandemic Time”, on 24 June 2020
“Skill Development for a Self-Reliant India”, from 26-27 June in Two Day Webinar “Strategy for Strengthening Agriculture Education under Changing Scenario on Covid-19”, on 7 June 2020 “Ethnomedicobotany to Control COVID-19: The Nature Provide Remedy within Association with Society of Pharmaceutical Education & Research”, on 10 June 2020 “Lt Platform: Virtual Lab Concept”, from 20-21 June “Traditional Agriculture : Self-Reliant Bharat” and “Patent and Intellectual Property Rights in Agriculture Research” on 13 June 2020.

Dr. Sulekha Chaudhary participated in National webinar on “Nutrients Management Option for Boosting Organic Agriculture” organized by Mata Gujri College, Sri Fatehgarh Sahib from 28-30 May 2020.

14. Orientation Programmes, Refresher Courses, Faculty Development Programmes, Short Term Courses/Training, Workshops and Exhibitions attended by Faculty Members

14.1 Orientation Programmes:

Prof. Navdeep Kaur participated in the Online Orientation Programme (June 26 to July 24, 2020) organized by Ramanujan College, Delhi University.

Dr. Kanu Verma, Prof. Jasmine Kaur, Dr. Heena Rekhi and Dr. Rosy Bansal participated in the Online Orientation Programme (June 04 to July 01, 2020) organized by Ramanujan College, Delhi University.

Dr. Jagtar Singh and Prof. Satveer Kaur participated in the 42nd Orientation Programme (January 6 to January 25, 2020) by UGC - HRDC Punjab University Patiala.

14.2 Refresher Programmes:

Dr. Anju Khullar attended the 12-week Refresher Programme in Teaching (ARPIT)-2019 organized by the Government of India, Ministry of Human

Resource Development on the theme "Online Refresher Course in Chemistry for Higher Education".

Dr. Jasmine Tiwana and Prof. Tripat Kaur attended the 16-week Annual Refresher Programme in Teaching (ARPIT) 2020 organized by the Government of India, Ministry of Human Resource Development on the topic "Financial Markets and Emerging Business Models".

Prof. Navdeep Kaur and **Prof. Parmjeet Kaur** attended the annual refresher programme organized by Gujarat University.

Dr. Manju Mittal attended "Online Refresher Course in Commerce" organized by Sri Ram College of Commerce, University of Delhi (ARPIT) from 01 September 2009 to 16 February 2020.

Prof. Jatinder Kaur and **Prof. Satvir Kaur** attended a course on "Cloud Computing" from 1 February 2020 to 01 April 2020.

Dr. Tejinder Pal Singh participated in a 14-day Interdisciplinary Refresher programme on 'Human Rights' organized by UGC - HRDC, Jammu University, Jammu from 10-23, December 2019.

Dr. Jagtar Singh participated in the 14-day Refresher Programme conducted by UGC - HRDC, Punjabi University Patiala from 10 August 2017 to 24 August 2020.

14.3 Participation of College Teachers in Faculty Development Programmes:

Prof. Sondeep Kaur participated in Faculty Development Programme 02 December to 14 December 2019.

Prof. Sukhmeen Kaur, Dr. Gursharan Singh Gill, Prof. Rajwinder Kaur, Dr. Nipunjot Kaur, Prof. Jatinder Kaur, Prof. Inderbir Kaur, Dr. Komaldeep Kaur, Dr. Manju Mittal, Dr. Jasmine Tiwana, Dr. Amandeep Kaur Sidhu, Prof. Tripat Kaur, Prof. Sapna, Prof. Satveer Kaur, Prof. Lal

Singh, and Prof. Sondeep Kaur and Prof. Varleen Kaur participated in a seven-day Faculty Development Programme organized by the IQAC cell of Khalsa College Patiala on the theme "E-Content Development" from 22 June to 06 July 2020.

Prof. Jaspreet Kaur, Prof. Rajdeep Singh Dhaliwal, Dr. Davinder Singh Saini, Dr. Sarabjeet Singh, Dr. Punamdeep Singh, Prof. Jasmeen Kaur, Dr. Gurveer Singh, Dr. Mansimran Kaur Randhawa and Prof. Manish Kumar participated in a one-week faculty Development Programme on 'Anchoring and Stage Management' conducted by Ganda Singh Career Guidance, Counseling and Placement Center of Khalsa College Patiala from 16-22 September, 2019.

Prof. Jatinder Kaur and Prof. Satveer Kaur participated in Five Day Faculty Development Programme on 'New Pedagogies: Creative Learning and Creative Thinking- A Futuristic Approach' conducted by Dashmesh Khalsa College, Zirakpur from 20-24 June, 2020. They also participated in Five Day Faculty Development Programme on 'Python and Emerging Trends in Machine Learning' organised by Forsk Technology, Jaipur conducted from 02-06 June, 2020. They also attended five-day faculty development programme conducted by the International Institute of Organized Research on E- Content Development from 01-05 June, 2020.

Prof. Vikram Gupta attended Skill Enhancement Programme from 11-17 May 2020 and Faculty Development Programme from 18-23 May 2020.

Dr. Jiwant Kaur, Dr. Gursimranjit Kaur, Dr. Rupri Dhir, Dr. Kanu Verma, Prof. Jatinder Kaur, Dr. Jagtar Singh, Dr. Vandana Kapoor and Dr. Heena participated in a two week Faculty Development Programme on "Advanced Concepts for Developing Mooc's" conducted by Ramanujan College, University of Delhi from 2-17 July, 2020.

Prof. Gurwinder Kaur attended Faculty Development Programme on MOOC's from 16-20 December, 2019.

Dr. Manvir Kaur attended Faculty Development Programme from 11-25 May 2020.

Prof. Gurwinder Kaur attended Faculty Development Programme from 11-15 May 2020 and 25-29 May 2020.

Prof. Harpreet Kaur participated in a seven day online Faculty Development programme conducted by Jamal Mohamed College, Tamil Nadu from 11-17 June, 2020.

Dr. Varinderjit Kaur attended Faculty Development Programme on Scilab Programming from 14-18 April 2020.

Dr. Arvind Sabharwal, Prof. Rajdeep Singh Dhaliwal and Dr. Ratanpal Singh Randhawa participated in two day Online Faculty Development Programme under MHRD (P.M.M.M.N.M.T. T) organised by Teaching Learning Center, Ramanujan College (Delhi University) from 18 May to 03 June 2020 on "Managing Online Classes and Co creating MOOC's 2.0". **Prof. Dhaliwal** also attended seven-day online faculty development programme on "Open Source Tools for Research" organized by the same organisation from 8-14 June, 2020.

Dr. Inderbir Kaur attended Faculty Development Programme from 25-29 May, 2020 on Need for IP Equipped Ecosystem for future and Machine Learning Algorithm.

Dr. Heena on 'R Programming' organised by Indo Global Group of College, Chandigarh from April 27 to 01 May, 2020.

Dr. Amanpreet Singh participated in a seven day Faculty development programme on "Changing Paradigms in Management

Education” held on 24-29 August organised by Guru Nanak Institute of Management and Technology.

Prof. Amanpreet Kaur attended ten day Faculty Improvement Programme from 11-20 May, 2020.

Dr. Rosy Bansal and Dr. Mansimran Kaur participated in Faculty Development Programme organised by A.S.B.A.S.J.S Memorial College, Bella, Roop Nagar from 06-10 July 2020 on “Teachers are Corona Worriers Fostering Competencies Among Faculty during Covid-19.”

14.4 Short Term Courses:

Dr. Rosy Bansal participated in an online course on “Employment Generation Among Rural Youth Through Agripreneurship” organized by IIT, Kharagpur and she attended six week online course in Diagnosis of crop & stored grain pests and their management.

Dr. Mansimran Kaur participated in a one-month online course on “PH557x: Lessons from Ebola: Preventing the Next Pandemic” from April 15, 2020 to May 13, 2020 conducted by Harvard University and she also attended a seven day online course on “Basics of Covid 19, Department of Personal and Training Diksha from May 29 to June 4, 2020.

14.5 Teachers’ Participation in workshops:

Dr. Pushpinder Kaur and Dr. Kanu Verma participated in a workshop on "Online Teaching Learning Workshop on Design, Development and Online Assessment" organized by Institute for Development and Communication (IDC) Chandigarh from 20-25 July, 2020.

Dr. Nipunjot Kaur participated in One-day workshop on "Capacity Building, Centre of Excellence in Sustainability Technologies for Rural Development” organised during Sustainable Technology Week by J.P. University Solan.

Prof. Navdeep Kaur attended Nine day workshop on Language, Literature & Theory (15-21 May 2020) and Five day workshop on Skill Development (27 April 2020 to 01 May 2020). She attended Seven day workshop from 21 April 2020 to 27 April 2020.

Dr. Monika Bansal, Dr. Rupi Dhir, Dr. Heena and Dr. Rosy Bansal participated in workshop on “Basics of Rheology and Dynamic Light Scattering” organised by Department of Chemistry, Khalsa College Patiala on 6 March 2020.

Prof. Rajdeep Singh Dhaliwal participated in Online Workshop on “The Use of Computer in Punjabi” organised by Punjabi Computer Help Centre, Punjabi University Patiala from 11-17 May 2020.

Prof. Sapna participated in One day online workshop on “Plagiarism-An Opportunity to Learn, Teach and Grow” organized by IQAC, Guru Nanak Dev University, Amritsar on 5 June 2020.

Dr. Jagtar Singh participated in workshop organised by Unnat Bharat Abhiyan NITTTR Chandigarh.

Dr. Manvir Kaur participated in First International Art Camp cum Workshop at Bangkok (Thailand) on 26 July-1 August 2019. She also participated in painting workshop dedicated to 550th Parkash Purab of Sri Guru Nanak Dev Ji, organized by Dharam Pracharak Committee, Sri Amritsar on 15 -19 August, 2019.

Dr. Heena participated in “Workshop on Research Methodology” organised by Department of Physics, Khalsa College Patiala on 15 February 2020.

Dr. Rosy Bansal participated in workshop on “Nutrient Management Options for Boosting Organic Agriculture” organised by Mata Gujri College, Fatehgarh Sahib. She also participated in workshop on “International Symposium on Understanding the Corona Pandemic and its Implications” organised by Shoolini University on 23-25 May, 2020.

Dr. Komaldeep Kaur attended workshop on Gender Equality at workplace from 1-7 May 2019.

14.6 Participation in Exhibitions:

Dr. Manveer Kaur participated in 60th International Art Exhibition held at The Bhawan London, UK on 1-7 October, 2019. She also participated in 18th All India Annual Art Exhibition of Contemporary Women Artists held at Sector -10, Chandigarh on 3-18 March, 2020.

14.7 Training:

Dr. Heena attended training on “Libre Office Suite Writer” organised by Spoken Tutorial Project, IIT Bombay.

15 Research Papers Published by Faculty Members in International and National Journals:

Prof. Jaspreet Kaur’s research paper on “Exploring Pronunciation Through the Poem The Road Not Taken” was published in Journal of Higher Education and Research Society: A Referred International (Vol:7, Issue-2, ISSN- 23490209).

Dr. Nipunjot Kaur’s research paper on “Environment Pollution: A Possible Threat to Female Reproductive Health in Female Traffic Police Personnel” was published in National Journal Trends in Biosciences (31.12.2019). Her research paper on “Fishin Yeast: Cygosacromyses A Foreign Gene Expression System” was published in World Journal of Bioceuticals and Life Sciences (15.05.2020).

Prof. Namrata’s research paper on “Solution of Intuitionistic Fuzzy Matrix Games Using Centroid Method” was published in International Journal of Innovative Technology and Exploring Engineering (Vol.8, Issue. 853, June 2019). Her research paper on “Solving Game Problems Involving Heptagonal and Hundecagonal Fuzy Pay offs” was published in International Journal of Innovative Technology and Exploring Engineering (Vol.8, Issue-9, July 2019).

Dr. Anju Khullar's research paper on "Synthesis, Characterization and Screening of Substituted-4-Biphenyl-Acetamide Derivatives against *Curvataria-lunata*" was published in Bulletin of Pure and Applied Sciences (BPAS-38C, No. 2, July-Dec 2019).

Dr. ManjuMittal's research paper on "It is not an Investment it is Destroying the Planet: A Literature Review of Socially Responsible Investments and Proposed Conceptual Framework" was published in "Management of Environmental Quality" Journal (Vol:31, Issue-2, ISSN-1477-7835), 02 December 2019.

Dr. Rupy Dhir's research paper on "Photocatalytic Degradation Methyl Orange Dye under UV Irradiation in the presence of Synthesized PVP Capped Pure and Doped Gadolinium Zinc Oxide Nanoparticles" was published in Chemical Physical Letters Journal (02.03.2020).

Dr. Davinder Singh's research paper titled "Punjabiya Purav Adhiyan Drishti Siddhantak Pariphek" was published in Kaav Shastar Journal. His four papers titled "Prof. Pritam Singh diyan Likhtaan de Sandharbh vich Punjabiat da Sankalp te Saroop", "Punjabi di Maulikta", "Mehbob Kaavvich Punjab vand di Trasdi da Chitran" and "Punjabi Bhashate Punjabiat" were published in Anhad Journal.

Dr. Bharat Goyal's research paper on "Special Structures in Flow-Shop Scheduling with Separated Set-Up-Times and Concept of Job Block: Minimization of Waiting Time of Jobs" was published in Advances in Mathematics: Scientific Journal (Vol.9, July 2020).

Dr. Tajinder Pal Singh's research paper on "Concept of Raga in Guru Granth Sahib: A Divine Approach" was published in Triveni Sangeet Khoj Patrika Part -1 (ISSN 2700-2926).

Prof. Kamlesh Kumar and Dr. Pardeep Kumar jointly published their research paper “Influence of Plant Hormones and Level of Phosphorus on Growth and Yield of Field Pea under Irrigated Conditions of Punjab” in International Journal of Chemical Studies (Vol.8(4) PP 2231-2234, June 2020. Their joint paper on “Response of Integrated Nutrient Management Practices on Growth and Tuber Yield of Potato Crop in Clay Soils of Punjab” was published in International Journal of Chemical Studies (Vol.8(4), PP 2202-2206, June 2020).

Prof. Mohinder Lal and Prof. Lakhwinder Singh jointly published research paper entitled “Response of Irrigation Schedule and Nitrogen on Growth and Yield of Wheat (*Triticum Atstivum* L.) under Irrigated Conditions of Punjab” in Journal of Pharmacognosy and Phytochemistry (Vol. 9(3): 1020-1023, E-ISSN: 2278-4136, P-ISSN 2349-8234, 2020).

Dr. Jagtar Singh published research paper entitled “Determination of Voting Behaviour in Punjab: Theoretical Perspective” in Desh Vikas Journal (Vol.7, page no. 244-250, ISSN-2394-1782, June 2020).

Dr. Parampreet Kaur published research paper entitled “Meher Approach Solving Dual Hesitant Fudgy Transportation Problem with Restriction” in Journal Sadna-Academy Proceeding in Engineering Science (Vol.45, PP 1-9, ISSN No. 0256-2499, January 2020).

Dr. Heena published research paper entitled “Trace Determination of Parabens in Cosmetics and Personal Care Products Using Fabric Phase Sorptive Extraction and High Performance Liquid Chromatography with UV Protection” in Journal of Separation Science (Vol. 43, Issue: 13, PP 1-15, April 2020). She also published 11 E-Module on the topics UGC e-Pathshala Environment Science, Potentiometry in Analytical Chemistry 2019, pH Electrode, Conductivity Water and Salinity, DO Meter, Polarography, Coulometry, Mass Spectrometry, Cyclic

Voltametry, Anode Stripping, High Performance Liquid Chromatography and General Analytical.

Dr. Amanpreet Singh published research paper entitled “Second and Higher Order Iteration in Lagrangian Method in International Journal of Advanced Sciences and Technology (Vol.28, PP 401-413, ISSN: 2005-4238, 2019). He published research paper entitled “Convergence Analysis of Lagrangian Function Using Iterative Methods” in Journal of Critical Reviews (Vol.7, Issue 17, 2020, PP 2389-2397, ISSN-2394-5125). He published research paper entitled “Some Beispiel and Ranber-Zustand in Penalty Function” in International Journal of Advanced Science and Technology (Vol.29, No. 65, PP 3633-3645, 2020).

Dr. Rosy Bansal published research paper entitled “Plastic in Food Packaging: Safety Concerns for our Health and Environment” in Journal of Nutritional Science and Healthy Diet (Vol.1, Issue 2, PP 16-21 July 2020).

Dr. Pardeep Kumar published research paper entitled “Estimation of Heterosis for Yield and its Components under Normal and Sodic Soil in Barley (*Hordeum vulgare* L.) in International Journal of Chemical Studies (Vol.8(2) PP-718-721, E-ISSN: 2321-4902, 20 March 2020). He published research paper entitled “Influence of Zinc and Boron on Growth, Uptake and Yield of Brinjal (*Solanum Melongena* L.) with co-author Dr. Sulekha in Journal of Plant Development Sciences (Vol. 12(9) PP 549-553, E-ISSN: 2348-9170, 25 March 2020).

16 Research Books/Edited Books Published by Teachers:

16.1 Books Authored by Teachers:

Dr. Pushpinder Kaur wrote the book *Mudla Punjabi Gyan* (ISBN 978-93-84762, 2019) and it was published by publication cell of Khalsa College Patiala. This book has been prescribed by Guru Nanak College Budhlada in the course of Advanced Diploma in Green House Technology.

Dr. Nipunjot Kaur wrote the book *Development of Protease Deficient Cytomacromysis Pombe using Gene Silencing Approach* published by Bookman Publishers, Delhi (March 2020). She wrote the books *Drug Abuse: Problems, Management and Prevention* and *Nashyan di Durwarton Samasya : Prabandhan Ate Roktham* published by 21st Century Publishers (July 2020).

Prof. Namarta wrote the books *Linear Programming Problem* (ISBN-978-93-84594-84-8) and *Abstract Algebra* (ISBN-978-93-84594-85-5) published by R.D. Publications, Jalandhar.

Dr. Anju Khullar wrote the books *Organic Chemistry* (ISBN 978-81-942584-0-7) and *Physical Chemistry* (ISBN: 978-81-942584-1-7) published by Kapilla Publication, Jalandhar, August 2019. She wrote the book *Drug Abuse: Problems and Management* (ISBN: 978-81-946228-1-9) published by Kinstar Publications, Jalandhar, June 2020.

Dr. Bharat Goyal wrote the books *Nx2 Flow Shop Scheduling, Waiting Times of Job Models in Nx2 Flow Shop Scheduling* and *Parameters in 2 Stage Flow Scheduling Models* published by Lambert Academic Publishing, Mauritius, 2020.

Dr. Satwinder Kaur wrote the book *Economics of Pulse Cultivation: A Case Study* published by Swastik Publication (ISSN 978-93-87367-29-6, 2019).

Dr. Amanpreet Singh wrote the book *Mathematics for MCA (PGCA 1901)* published by IK Gujral Punjab Technical University, Jalandhar.

16.2 Books Edited by Teachers:

Principal **Dr. Dharminder Singh Ubha** and **Dr. Devinder Singh** published edited book of anthology of poems *Nanak Waho Waho* in 2019 dedicated to 550th birth anniversary of Sri Guru Nanak Dev Ji.

Chief Editor **Dr Dharminder Singh Ubha** and editors **Prof. Paramjit Kaur, Dr. Pushpinder Kaur, Prof. Jagroop Kaur, Dr. Devinder Singh, Dr**

Sarabjit Singh and Dr. Jaswinder Singh published edited book entitled *Punjabi Sahit Chintan: Globally Paripekha Vishe te Pustak* in 2020. This book includes conference proceedings of second Khalsa College Global Punjabi Conference.

Chief Editor **Dr. Dharminder Singh Ubha** and editors **Prof. Rajdeep Singh Dhaliwal and Dr. Gorakh Singh** published edited book entitled *Sustainable Agriculture and Environment* in 2019.

All the above three books have been published by publication cell of the college.

17. Articles published by teachers in national newspapers/magazines:

Prof. Rajdeep Singh Dhaliwal published four articles in different newspapers during this session. “Kaumi Technology Diwas: Shandar Takniki Takat di Yaad Diwaunda Hai” article published in Jagbani Web Portal on 11 May 2020, “Corona Mahamari ate Jeev Vibhanta Diwas 2020” article published in Punjabi Jagran newspaper on 22 May 2020, “Sare Hal Kudrat Vich Vidman” article published in Chardi Kala newspaper on 5 June 2020 dedicated to World Environment Day and “Manukh Kudrat da Suneha Samjhan di Koshish Kare” article published in Punjab Times.

18. Judgment Given/Sessions Chaired by Teachers:

18.1 Judgment given by Teachers:

During this session, **Prof. Sandeep Kaur Chahal** and **Dr. Rosy Bansal** judged Folk Dance Competitions held in Patiala Heritage Festival and Football Carnival Food Fest at DAV Public School respectively.

18.2 Sessions Chaired by Teachers at Various Conferences:

Dr. Nipunjot Kaur chaired a session at National Level Conference held at Multani Mal Modi College, Patiala on 7 March 2020.

Dr. Rupy Dhir and **Dr. Heena** chaired a session at 12th National Conference on CESAI held at Punjabi University, Patiala on 19 February 2020.

19. Minor Research Projects:

Prof. Harpreet Kaur received minor research project, titled "Job Scheduling Problems by Fuzzy Numbers", CFC Scheme of UGC, with grant of Rs. 30,000/- on 6 February 2020.

Dr. Rashi Bansal received minor research project titled "To Study the Statistics of Plant Growth" with grant of Rs. 40,000/- on 6 February 2020.

20. Cultural Achievements:

20.1 North Zone Inter-University Youth Festival:

Students named **Jasmeet Kaur** and **Aadil Khan** performed **Folk Orchestra** at North Zone Inter-University Youth Festival at Guru Nanak Dev University, Amritsar, dated 25-29 December, 2019 and secured **First Position**.

College students named **Amanat Chawria** and **Jasmeet Kaur** participated in **Western Group Song**. A student of the college, **Shubham** participated in **Classical Vocal**.

20.2 National Inter-University Youth Festival:

College students, **Jasmeet Kaur** and **Aadil Khan** participated in **Folk Orchestra** at National Inter-University Youth Festival at Amity University, Noida on 03-07 February, 2020 and secured **First Position**.

20.3 Open National Youth Festival:

College students, **Jasmeet Kaur**, **Amaanat Chawria** and **Aadil Khan** participated in **Group Folk Song** at Lucknow University dated 12-16 January, 2020 and secured **Second Position**.

20.4 Punjab State Inter-University Youth Festival:

Students of college secured first position in Punjab State Inter-University Youth Festival dated 30-31 January, 2020 at Chandigarh University Gharuan performing **Jhumar**, **Folk Orchestra**, **Indian Group Song** and **Traditional Costume Exhibition**.

College secured second position in **Group Shabad, Traditional Folk Song and Folk Song.**

College secured **Third Position** in **Western Group Song.**

20.5 Inter-Zonal Youth Festival:

The college received overall Music Trophy, **Overall Lok Kalavan Trophy, Theatre Items Trophy, Traditional Games Trophy and Overall Dance Trophy** during Inter-Zonal Youth Festival and became **Overall Champion.**

From 11-13 October, 2019 during the **Inter-Regional Youth Fair**, the college won first position in **Traditional Folk Song, Folk Song, Mimicry, Watch Exhibition, Calligraphy, Paranda, Crochet, Classical Vocal, Chandelier, Indian Group Song, Folk Orchestra, Group Words and Western Group Song.**

The college won **second position** in **Folk Instrument, Malwai Giddha, Bhangra, Kavishari, War Singing, Painting, Quiz General, Western Solo Singing, Khiddo, Pithu and Elocution.** The college won **Third Position** in **Ludi (Boys), Tug of War and Debate.**

20.6 Regional Youth Festival and Lok Mela:

The college was **Overall Champion** during the festival. It is commendable that during the **Regional Youth Festival and Lok Mela** of Punjabi University, Patiala, the college got first position in **Tug of War, Bhand, Jhumar, Malwai Giddha, Skit, Bhangra, Short Film, Elocution, Mimicry, Costume Show, Indian Group Song, Ludi (Girls), Crochet, Embroidery, Chikku, Mud Toys, Baskets, Ludi (Boys) Paranda, Rassa Wattai, Guddian Patole, Gitte and Pithu.**

The college bagged second position in **Cultural Quiz, Quiz General, Rangoli, Debate, Painting, Photography, Nala, Peerhi, Innu, Folk Song and Sammi.**

The college secured **Third Position** in college, **Classical Dance, Loon Miyani and Nukar Natak.**

21. NCC, Army and Air Wing:

21.1 NCC Army Wing:

55 Cadets were selected in NCC Army Wing in Session 2019-20 under the leadership of **Dr. Nishan Singh.**

On 21 June 2019, **47 cadets** of the wing attended **International Yoga Day** at Khalsa College, Patiala.

06 cadets participated in **camp organized** at Ropar from 2-11 September, 2019.

02 cadets participated in **Basic Leadership Camp** held at Malout from 22 September 2019 to 01 October 2019 and 01 cadet secured Gold Medal.

24 cadets of the wing participated in **Annual Training Camp** held at Ropar from 11-20 October 2019 out of which **04 cadets won Gold Medal, 03 cadets won silver medals** and **03 bronze medals.**

08 Cadets participated in **Army Attachment Camp** organised at Patiala from 06-20 January 2020 and won **01 gold medal** and **01 silver medal.**

One cadet participated in **Thal Sena Camp** organised in **Asra College, Bhawanigarh.**

15 cadets from the wing participated in **26 January Parade** and **16 cadets** participated in **15 August Parade.**

Other than the description above, cadets also participated in **Swachh Bharat Abhiyan, Blood Donation Camp, Tree Plantation, Dengue Awareness Rally, Road Safety and Drug Abuse Rally.**

21.2 N.C.C. Air Wing:

In this session, **20 cadets** were selected in **N.C.C. Air Wing** under the leadership of N.C.C. officer **Prof. Baldev Singh.** Out of total **51 cadets, 33 cadets**

participated in Pradhan Mantri **Swachhta Summer Internship**, 07 cadets participated in **Pre Vayu Sainik Camp**, 47 cadets in **Tree Plantation**, 39 cadets in **Mega Swachhta Pollution Rally**, 33 cadets in **Annual Training Camp (ATC 123)**, 42 cadets in **oath taking Ceremony of Vigilance Awareness Week**, 37 cadets in the **opening ceremony of Armed Forces Flag Day**.

Outstanding cadet of the college **Ramit Dhyan** took part in the Parade on 26 January 2020 during **RDC 2020** and was fortunate enough to salute the Hon'ble Prime Minister in the **Guard of Honor**, **Ramit Dhyan**, a promising college student, was also honored to be among the **top 50 cadets** of the charge.

College's meritorious cadet **Ravnoor Kaur** participated in **All India Air Force Camp 2019**.

In addition to the above, the cadets of this wing participated in firing training and social activities like Swachh Bharat, Polio camp, Traffic control and Blood Donation.

22. NSS:

During this session, under the able supervision of college's NSS officers **Prof. Sapna, Dr. Jagtar Singh** and **Prof. Rajbinder Singh** the department started a 'Plant a Tree' campaign dedicated to the 550th birth anniversary of Guru Nanak Dev Ji on 20 July 2020.

On 23 August 2019, **Candle Light March** was organized to draw the attention of the government towards the problem of stray animals.

On 28 August 2019 under the Swachh Bharat Campaign, **Prof. Achhru Singh** gave a lecture on "**Hygiene of Mind**".

On 29 August 2019, under the guidelines of Government of India, Department of Sports and NSS Department of College started '**Fit India Campaign**' and students were shown a live telecast of the speech of the Prime Minister of India.

Fruit trees were planted on August 30, 2019 under **‘One Man One Tree Campaign’**.

Blood was donated by **22 volunteers** in the **blood donation camp** conducted by Jag Bani Newspaper on September 2, 2019.

On 2 September 2019 under the **‘Nutrition Month’** Campaign, **Dr Rosy Bansal** gave a lecture on **‘Value Addition in Breads’**.

On 3 September 2019 under the **‘Nutrition Month’** Campaign, **Prof. Monika Bansal** gave a lecture on **‘Malnutrition’**.

On 4 September 2019, under the **‘Nutrition Month’** Campaign, **Dr. Balbir Kaur** gave a lecture on **‘Iron Rich Recipes’**.

On 4 September 2019, in collaboration with the Department of Political Science, **Dr. Jagroop Kaur** from Punjabi University, Patiala gave a special lecture on **The Teachings of Guru Nanak Dev Ji and on the subject of Political ethics**, dedicated to the 550th birth anniversary of Guru Nanak Dev Ji.

On 6 September 2019, under **‘Jal Shakti Abhiyan’**, **Prof. Komaldeep Kaur Randhawa** and **Prof. Manju Mittal** gave a lecture on **‘Water Conservation’**.

Skit competitions were conducted on 6 September 2019 under the campaign **‘Swachhata Hi Sewa’**.

On 9 September 2019, the college participated in **training workshop on Zero Stubble Burning – An Environment Change** at Punjabi University, Patiala.

On 10 September 2019, under the **‘Nutrition Month’** Campaign, a **Group Discussion on Processed Food and Fresh Food** was conducted.

On 11 September 2019, under the **‘Nutrition Month’** Campaign, a **Workshop on Amazing Food Facts related to Processed Food** was conducted.

On 12 September 2019, under the **‘Nutrition Month’** Campaign, a **Workshop on Hand-to-Hand Learning Experience of Indefeasible recipes of India (Punjab)** was conducted.

On 16 September 2019, under the ‘**Nutrition Month**’ Campaign, **Slogan writing competitions** were conducted.

On 17 September 2019, under the ‘**Nutrition Month**’ Campaign, **Poster Making competitions** were conducted.

On 17 September 2019, a **Speech Competition** was held on the topic ‘**Disadvantages of Using Plastic**’.

On 18 September 2019, under ‘**Plant Trees**’ campaign, saplings were planted by the teaching staff of the college.

On 19 September 2019, under the ‘**Nutrition Month**’ Campaign, **Poetic Court** was organized in Punjabi and Hindi language on the subject of ‘**Food Habits and Balanced Diet**’. On the same day, under ‘**Plant Trees**’ campaign saplings were planted in the college and a special campaign ‘**Swachhata Hi Sewa**’ was launched for cleaning the college campus.

On 23 September 2019, under the ‘**Nutrition Month**’ Campaign, workshop on ‘**Nutrition**’ was organized for Female Non-Teaching staff of the college

On 30 September 2019, under the ‘**Nutrition Month**’ Campaign, ‘**Blood Checkup**’ camp was organized.

One-Day Camp was organized on 2 October 2019, under the ‘**Swachhata Hi Sewa**’ Campaign, in which, with the collaboration of Municipal Corporation Patiala, plastic waste was collected from the roads around the college campus.

Awareness Rallies against straw burning were organized in the villages adopted by the college on 4 October 2019 in collaboration with Punjab Pollution Control Board.

Blood Donation Camp was set up on November 8, 2019.

On 20 November 2019, **an awareness campaign app on reducing the use of antibiotic was downloaded** and **Poster Making competitions** were conducted.

From 16-31 January, 2020 various programs were conducted under **'Swachhata Hi Sewa'** Campaign.

On 4 February 2020, under the **'Unnat Bharat scheme'**, **Street plays** and **Awareness Rallies** on the topic Environmental Protection were held with the collaboration of Theater Department of College.

On 14 February 2020, the college **participated** in a program dedicated to **Mother Language Day**.

On 27 February 2020, a **free medical checkup camp** on gynecology was organized at village Dhablan in association with **Amar Hospital Patiala**.

On 14 April 2020, an **Online Seminar** on **'Role of NSS Volunteers in Corona Crisis'** was conducted.

On 20 April 2020, NSS Volunteers **distributed food** to the needy persons.

On 23 April 2020, **E-Banner campaign** was launched in the village adopted by the college to create awareness among the people about corona.

On 26 April 2020, **free masks** were distributed in the village with the association of Department of Fashion Designing.

On 27 April 2020, NSS Volunteers raised awareness about Corona and sanitized the surrounding area.

On 28 April 2020, an **Online Poetry Recitation Competition** related to Corona was held.

On 7 May 2020, an online workshop on **'Motivation and Morale Building'** was held.

23. Special Days/Festivals / Special Events Celebrated by the college:

23.1 International Yoga Day:

On 21 June 2019 the Department of NSS celebrated International Yoga Day. On this occasion, **Dr. Jagjit Singh** gave a lecture on **Meditation Through Yoga**.

23.2 International Anti-Drug Day:

On 26 June 2019 the Department of NSS celebrated International Anti-Drug Day.

23.3 World Hepatitis Day:

On 29 July 2019 **World Hepatitis Day** was celebrated by the Department of NSS and Red Ribbon Club in association with District Civil Surgeon, Patiala.

23.4 Fit India Campaign:

Fit India Campaign was launched under the guidelines of Government of India on 29 August 2019 by the Department of Sports and NSS Department of College. The students were shown live telecast of the speech of the Prime Minister of India.

23.5 Planting Campaign:

On 29 August 2019 the college launched a campaign dedicated to the 550th birth anniversary of Guru Nanak Dev Ji and the Government of India launched a campaign to plant traditional plants under 'One Man Plant One Tree.

23.6 Teachers Day:

Teachers Day was celebrated on 5 September 2019 by various departments of the college.

23.7 Hindi Day:

On 14 September 2019, on the occasion of Hindi Day, the Department of Hindi organized **Tri Lingual Poetry Conference** in which eminent poets of Hindi, Urdu and Sanskrit participated.

23.8 International Ozone Day:

International Ozone Day was observed on 16 September 2019 by the Department of Geography. On this occasion Director, CRRID Center, Chandigarh Dr. Krishna Chand gave a lecture on Ozone Layer.

23.9 NSS Establishment Day:

On 24 September 2019 a function dedicated to the Golden Jubilee year was held on the occasion of Foundation Day by the NSS Department.

23.10 Annual Convocation:

On 18 October 2019 Annual Convocation of the college was held and 725 students were conferred degrees. The chief guest of the convocation was Dr. Deborah L. Ford, Chancellor of University of Wisconsin at Parkside, USA and the special guest was Dr. Abhay Kuruvilla, the executive Director of International Affairs of the University of Wisconsin.

23.11 Diwali Festival:

On 24 October 2019, Diwali festival was celebrated by various departments in different ways.

23.12 National Unity Day:

On 31 October 2019, as per the guidelines of UGC, NSS Department in collaboration with Physical Education Department celebrated National Unity Day on the birth anniversary of Sardar Vallabh Bhai Patel.

23.13 Buddy's Day:

On 14 November 2019, under the directions of Punjab Government, Buddy's Day was celebrated, during which College Principal Dr. Dharminder Singh Ubha and Vice Principal Dr. Tarlochan Singh Mahajan shared with students the efforts made by the Punjab Government for the prevention of drug menace.

23.14 Launch of Awareness Campaign to reduce the use of Antibiotics:

On 20 November 2019, on occasion of World Health organization, NSS Department of College initiated an awareness Campaign to reduce the use of Antibiotics.

23.15 Constitution Day:

On 26 November 2019, as per instructions received from UGC, New Delhi, the Department of NSS with association of Department of Political Science celebrated **Constitution Day**.

23.16 Oath Ceremony for Recycling of Organic Degradable Waste:

On 16 January 2020 the Swachh Bharat Abhiyan was sworn in under the guidelines of Swachh Bharat Abhiyan of UGC. On this occasion NSS Department of college organized Sanitation Awareness Program for 15 days through various activities.

23.17 Sanitation Fortnight:

On 31 January 2020 as per the instructions of UGC New Delhi, **Sanitation Fortnight-2020** was celebrated by various departments of the college from 31 January 2020. Due to the efforts of **NSS Department, lectures, workshops, various competitions, poet's court, blood checkup camp, best out of waste, talk show and swearing in ceremonies** were organized. This program was jointly supported by **NSS Department, School of Commerce and Management, Department of Agriculture, Department of Fine Arts, Department of Theatre studies and Nanhi Chhaan**. A prize giving Ceremony was organized at the end of **Sanitation Fortnight-2020**. On this occasion, **Dr. P.K Gupta**, Principal, DAV College Muzaffarnagar and **Dr. Jyoti**, Principal Geeta Vidhya Mandir Girls College, Sonapat were the chief guest.

23.18 National Daughter's Day:

On 24 January 2020 **National Daughter's Day** was celebrated by the Girls Welfare Committee and Nanhi Chhaan Cell. On this occasion former faculty of Punjab University Chandigarh **Dr. Surinder Kumar Deveshwar** graced the occasion as chief guest. Head, Department of Punjabi, Sri Guru Granth Sahib World Sikh University, **Dr. Sikandar Singh** expressed his views on the rights of girls.

23.19 National Deworming Day:

On 11February 2020 as per the instructions of Punjab Government, the convener of Dispensary committee **Prof. Jatinder Kaur** took initiative to celebrate **National Deworming Day**. On this occasion, the students were given stomach cleansing pills provided by the Punjab Government.

23.20 Annual Award Ceremony:

The annual award ceremony of the college was held on 14February 2020. During the function, 153 students were awarded Roll of Honor and 242 students were awarded College Color.

23.21 World Mother Language Day:

On 11February 2020 International Mother Language Day was jointly celebrated by the Post Graduate Department of Punjabi and Post Graduate Department of Music.

23.22 National Science Day:

On 28February 2020 National Science Day was celebrated by different departments of college: Post Graduate Department of Physics, Post Graduate Department of Chemistry, Post Graduate Department of Mathematics, Department of Biotechnology, Post Graduate Department of Agriculture, Department of Food Processing and Department of Music Instrumental.

23.23 International Women's Day:

International Women's Day was celebrated on 6 March 2020 by the Girls Welfare Committee and Nanhi Chhaan Cell. On this occasion, former Vice Principal of Khalsa College Patiala, Prof. Ambika was honored with the **Women's Pride Award**. **Mrs. Harjinder Kaur**, Chairperson, Child Rights Commission was the Chief Guest on the occasion.

23.24 International Biodiversity Day:

On 22 May 2020 NSS Department celebrated **International Biodiversity Day**.

23.25 World Music Day:

On 21 June 2020 Post Graduate Department of Music (Vocal) celebrated **World Music Day**.

23.26 Three-Day Diamond Jubilee Ceremony:

Online Diamond Jubilee Celebrations were held from 16 - 18 July, 2020 on the completion of 60 years of the establishment of the college. On the first day, i.e. on 16 July 2020, the recitation of Sri Guru Granth Sahib Ji was performed.

On 17 July 2020, a special webinar on the changing perspective of "Bharti BhuKhand De Badalde Paripekh" was organized during which Bhai Gobind Singh Ji Longowal, President, SGPC, Sri Amritsar was the Chief Guest and S. Surjit Singh Rakhra was the Special Guest. The keynote speaker was Dr. Sarabjinder Singh, Professor at Punjabi University, Patiala.

On 18 July 2020, a seminar on the "Role and Significance - Khalsa College, Patiala" was organized. S. Balwinder Singh Bhundar, Member of Parliament, Government of India was Chief Guest and S. Surjit Singh Rakhra was the special guest. The keynote speaker of the webinar was Dr. Satish Kumar Verma, Scholar, Punjabi University, Patiala.

24. Achievements of Physical Education and Sports Department:

Due to the commendable efforts of the Head of the Department, **Dr. Gursharan Singh Gill**, the students achieved the following outstanding results:

24.1 World Level Achievements:

Sangampreet Singh Bisla, a talented college sportsman, **represented** India at the **Youth World Archery Championship in Madrid, Spain** and won a bronze

medal. This talented player **represented India in World Cup Stage-2 and World University Games (Italy)**. Apart from this, talented archery players **Utkarsh and Prabhjot Kaur**, also **represented India in the World University Games (Italy)**. **Prabhjot Kaur** won a **gold medal** during the **Senior National Games**.

24.2 All India Inter University:

Sports Champion, Sangampreet Singh Bisla, an archer, bagged **02 gold medals** and **Utkarsh** bagged **01 silver medal**.

Ritika Verma won **01 gold medal** in archery. **Preetinder Verma** won **01 gold medal** in archery. **Preetinder Kaur** won **01 gold medal** and **01 bronze medal**. College handball players **Navdeep Singh, Mandeep Singh, Rohit Singh, Sukhjot Singh, Jobandeep Singh, Harman, Abhishek Khera, Pushpinder and Ravinderpal** secured **bronze medal** at the **All India Interschool Handball Championship in Varanasi (UP)**. Cyclist **Jasmine Kaur** won **02 bronze medal** medals in **Open Road National Cycling Championship** and **01 bronze medal** in **All India Inter University Cycling Championship**.

24.3 National Level:

Handball player, **Harman** won **gold medal** in **Senior National Handball Championship** held at Kanpur (UP).

24.4 Inter-College Competitions:

During the Inter-College competition, the **archery** team won the **overall championship**. Volleyball (Boys) Team won **Inter-College Tournament**.

The cycling (Girls) team won the **Overall Championship**.

Apart from the above, the department also organized Bangladesh and Local Colleges Sports dedicated to the 550th birth anniversary of Sri Guru Nanak Dev Ji and a friendly match between the boys' and girls' teams of the local colleges.

25. School of Commerce and Management:

Under the supervision of **Dr. Jasleen Kaur**, various activities were conducted by the department, and **05 competitions** were conducted by the department. On 09 September 2019, skit competitions were conducted by the department.

On 16 October 2019, **Divinity Club** organized a **Poetry Recitation Competition** dedicated to the 550th Birth Anniversary of Sri Guru Nanak Dev Ji.

On 04 February 2020 **Spring Splash** Competition was held.

On 05 February 2020 **Poster Making Competition** was held and **Fit India Campaign** was promoted.

Chess Master Competition was held on 6 February 2020.

Three Students Induction Programmes were organized by the department. One-day **Student Induction Programme** for students of B.Com. I on 8 August 2019 was organized. One-day **Student Induction Programme** for students of M.B.A. (L.D.) and B.B.A. was organized on 20 August 2019. On 11 September 2019, one-day **Student Induction Programme** was organised for the students of B.Com. Accounting and Finance and B. Com. Honours.

4 workshops were conducted by the department and **one-day online workshop** on **Adopting Kaizen Life style** was conducted on 06 April 2020 for the students of B.Com.-I.

One day online workshop was held on 27 April 2020 for the students of M.Com.-II on the topic Health is Wealth: Stress management during Covid-19 Situation.

On 7 May 2020 one day online workshop was held on the topic Motivation and Morale Building.

On 16 June 2020, one-day online workshop on topic Mental Well Being in Student Life was held for B.Com.-III students.

Apart from the above, the film '**Eh Janam Tumhare Lekhe**' related to Bhai Puran Singh Ji dedicated to the 550th Birth Anniversary of Sri Guru Nanak Dev Ji was screened by Divinity Club on 02 August 2019 under the department. The **Battle of Brains** activity was also held on the same day.

On 14 August 2019, Divinity Club dedicated a programme to the 550th Birth Anniversary of Sri Guru Nanak Dev Ji and **conducted an activity on the theme of true freedom.**

A program was organized on 06 September 2019, celebrating **Teachers Day.**

A one-day seminar on Financial Inclusion through Financial Education was organized on 13 September 2019 during which **Mr. Yogendra Singh, Mr. Zubain Mehta** and **Mr. Nishant Srivastav** addressed the students.

On 24 October 2019 students of the Department **celebrated Diwali** with the children of Pingalwara.

On 6 November 2019 lecture on **Personality Development** was given by **Dr. Ritu Lehal, Head, School of Applied Management, Punjabi University, Patiala** for the students of M.B.A. (L.D.) and M.Com.

On 24 December 2019, a **Charity Event** was organized by Ardaas Foundation.

On 7 February 2020, **Spring Spree Fest** was organized by the department.

On 18 February 2020, **Placement Drive** was conducted in collaboration with Dr. Ganda Singh Career Guidance and Placement Center in which **26 students** were selected from **3 companies.**

On 8 April 2020, M.Com. students were introduced to **Cyber law** through online mode. They celebrated **Mother's Day** on 9 April 2020 through online mode.

On 28 May 2020, three-day **Fitness Program** was organized for the students of B.Com.-II & III through online mode during **Covid-19**.

26. Post Graduate Department of Computer Science and Computonics Club:

Under the able guidance of the Head of the Department **Prof. Sukhmeen Kaur** and with the efforts of the convener of the club **Prof. Inderbir Kaur**, a new **Executive Committee** was appointed at the beginning of the session on 22 August 2019 and the new students were welcomed.

Posters were made by the students on the occasion of **Independence Day** on 9 August 2019.

On **Teachers Day** on 5 September 2019, 25 students of the department made **Greeting Cards** and **Posters**.

On 24 September 2019, on the occasion of Diwali, saplings were planted under the theme of **Yes to Diwali and No to Crackers**. 15 students of the department participated in **Rangoli making competitions**.

A special lecture dedicated to the 550th birth anniversary of Guru Nanak Dev Ji was delivered by **Dr. Tarlochan Singh Mahajan** on 7 November 2019.

On 8 November 2019, **Essay writing competitions** were held in order to commemorate the 550th birth anniversary of Sri Guru Nanak Dev Ji.

On 9 November 2020, the club took 200 students on a **one-day educational tour** at Sultanpur Lodhi.

On 7 February 2020, **Game Playing Stall** was set up in **SpringSpree-2020** organised by the School of Commerce and Management.

27. Department of Biotechnology

On 13 September 2019, the Department of Biotechnology organized **one day Educational Tour** at National Agri Food Biotechnology Institute, Mohali and

students were introduced to the importance of biotechnology in research and industry.

On 30 October 2019, the students of the Department of Biotechnology were taken to **one day Educational Tour** at Patiala Distillery, Village Main, district Patiala.

On 7 November 2019, the students of the department participated in a workshop organized at JP University, Solan, Himachal Pradesh and they learned about **Sewerage and Water Treatment and the Fertilizers and Energy** produced by them.

On 18 May 2020, a lecture was delivered by Dr. Malini Ahuja, Scientist, N.I.H. Maryland on **Calcium - Friend or Foe**.

28. Department of Physics

With the efforts of the Head of the Department **Dr. Tarlochan Singh Mahajan**, on 12 September 2019, a **Declamation competition** was conducted for the students of B.Sc. and M.Sc.

In the poster making competition conducted by the Department of Fashion Designing and Home Science on 17 September 2019, B.Sc. Part II Non-Medical student **Khushdeep Kaur** secured 3rd position.

On 3 October 2019 the students of B.Sc. participated in **Exhibition Related to Noble Awards** at NABI Mohali.

On 2 November 2019, on the 550th birth anniversary of Guru Nanak Dev ji, students of B.Sc. and M.Sc. were taken to Sultanpur Lodhi.

On 19 January 2020, the students of the department participated in **National Graduate Physics Examination**.

On 15 February 2020 a **National Workshop on Research Methodology** was organized.

On 10 May 2020, online lecture on the theme of **Morale Boosting** was delivered by the teachers of the department.

29. Department of Agriculture

With the efforts of the Head of the Department Prof. Rajdeep Singh Dhaliwal, **7 Educational Tours** were organized during this session.

On 24 August 2019, an Educational Tour of the Students of Honors in Agriculture was organized at **Horticulture Department Barandari Garden Patiala**. On 13 September 2019 an Educational Tour of the students of B.Sc. Honors in Agriculture was organized at **Kisan Mela** held at **Krishi Vigyan Kendra Rauni (Patiala)**. On 21 September 2019, **an Educational Tour to Kisan Mela** was organized at Punjab Agricultural University, Ludhiana. On 4 November 2019, **an Educational Tour** of the students of B.Sc. Honors in Agriculture was organized at **Cooperative Society**. On 20 November 2019, an educational tour of B.Sc. Medical students was organized at Mohindra Zoo, SAS Nagar, Mohali. On 26 November 2019, **an Educational Tour** of students of B.Sc. Agriculture was organized at Malerkotla Seed Farm and on 13 December 2019 **an educational tour** of the students of M.Sc. Agriculture(Vegetable Science) was organized at **Chrysanthemum Show** at Barandari Garden Patiala.

30. Post Graduate Department of Punjabi and Punjabi Sahitya Sabha:

Under the able guidance of the Head of the Department **Prof. Paramjeet Kaur** and with the efforts of the convener of Punjabi Literary Society **Prof. Jagroop Kaur, Elocution Competition** on the subject of Human values entitled 'Ajj di Jawani Kidar Nu' and 'Ghat Rahiyan Manukhi Kadraan Keemtaan' was organized on 4 September 2019.

On 8- 9 May, 2019, the department conducted a **two-day workshop** for the students of the teachers of the department on how to stay safe from COVID-19

epidemic and maintain their mental balance during lockdown and stay in high spirits.

On 22 October 2019, **Essay, Poetry Writing Competition and Poster Making Competitions** were organized to commemorate 550th Birth anniversary of Shri Guru Nanak Dev Ji.

On 27 November 2019, the students were taken on a tour of Puran Baal Niketan, Patiala where they distributed **warm clothes, food items and other necessities** to the needy persons.

On 20 February 2020, under the theme '**Our Language, Our Pride**', Essay writing competition, Singing competition and cultural quiz was organized for the college students.

31. **Post Graduate Department of English, Cultural Studies and Foreign Languages**

Under the able guidance of the **Head of the Department, Dr. Deepinderjeet Randhawa**, an **Induction Program** for new students was organized in which she welcomed the students and highlighted the various departmental activities and college Principal **Dr. Dharminder Singh Ubha** also congratulated the students on this occasion.

An **online workshop on Motivation and Morale Building** was organised by the department on 8 May 2020 for the students of M.A. English, B.A. Honours in English and Diploma in French. **Prof. Jaspreet Kaur** addressed the students and poetry was recited by the students.

32. **Department of Hindi and Add-On Course in Translation Proficiency**

Under the able guidance of the Head of the Department **Dr. Harvinder Kaur**, **Essay Writing Competition** was held on 11 September 2019 on **Shri Guru Nanak Dev Ji ki Bani ki Aaj Ke Yug Mein Prasangikta**.

On 14 September 2019, **Trilingual Poetic Conference** was organized to commemorate Hindi Diwas.

On 7 November 2019, a **Poetry Recitation, Salok Recitation and Gazal Singing Competition** was organized by the department.

On 27 February 2020, a guest lecture was delivered by **Dr.Mohd. Ashraf** on **Importance of Hindi in Present Scenario.**

On 11 March 2020, the students visited Sri Sanatan Dharam Kumar Sabha Sri Dasundi Ram Veer Ji Ashram and they provided lunch to the needy persons.

On 6 May 2020 an **online Essay writing competition** was organized by the department on the subject of **Guru Teg Bahadur: Shahadat de Punj.**

33. Department of Theater Studies

Under the able guidance of **Dr.Vandana Kapoor**, **Shahadat** Play was enacted by the students of the department on 26-27 December 2019 at **Shahidi Jorh Mel**, Fatehgarh Sahib.

On 24 January, 2020 a street play was enacted under the theme Swachhta Abhiyan entitled **Wah Ni! DharatSuhaviye**. The same street was presented on 29 January 2020 at village Dhablan in collaboration with the Department of Agriculture and on 4 February 2020, it was played at Village Jahalan, Ranbirpura and Patiala.

On 30 January 2020, **Gurwinder Singh**, a student of the department, performed **Mimicry** at the Punjab Youth Fair at Panjab University, Chandigarh.

On 3 February 2020 **Kissa-e-Professor** play was performed by the students of the department and it was also performed at Philkhana School.

On 28 February 2020, a street play on the topic of **Dastak** was performed by the students in collaboration with NanhiChhaan Cell.

34. Department of Folk Arts and Culture

Under the able guidance of the Head of the Department, **Prof. Sandeep Chahal**, **one-day** visit to the Patiala Heritage Festival was organized for the students of B.A. Part I, II and III to showcase the handicrafts and **an interactive session** was conducted with the creators of these models.

On 15 November 2019, **one day Educational Tour** was organized to Punjabi University Patiala Museum and Art Gallery for B.A. Part I students.

35. Department of Fine Arts

With the efforts of the Head of the Department **Dr. Manveer Kaur**, the department organized a **Poster Making Competition** on the topic of Antibiotic Awareness on 20 November 2019.

On 04 September 2019 Students of the department participated in **Poster Making** and **Slogan Writing** competition conducted at Sri Guru Granth Sahib World University, Sri Fatehgarh Sahib and secured positions.

On 20 September 2019, a student of the department Simarjot Singh (BA Part I) was honored in **On the Spot Painting Competition** held at Sri Darbar Sahib, Amritsar.

On 22 December 2019, the students of the department participated in the district level **Wall Painting competition** organized by the Punjab Energy Development Agency (PEDA) and secured first place.

The students of the department secured **first position** in competition organised by District Voting Officer Patiala during National Voters' Day on 25 January 2020.

36. P.G. Department of Fashion Designing and Home Science

Under the guidance of **Dr. Balbir Kaur**, Head of the Department, **Rangoli Competition** was organised on 28 August 2019.

One-Day Workshop on “Printed Techniques” was organised on 30 August 2019.

One-Day Workshop on “Latest Skills in Sewing” was organised on 02 September 2019.

A **Competition on “Rags to Bags”** was held on 27 January 2020.

During “Springspre-2020” organised by the students of School of Commerce and Management on 07 February 2020, **Special Stall of handmade articles** (bags, table sets, tie and dye scarfs, block printing articles) was put up by the students of the department.

One-day educational tour of the students of the department was undertaken to Prerna Designs, C-73, Industrial Area, Phase 6, Mohali on February 2020.

The students of the department participated in competitions of “Pakhi, Kadayi, Chikku and Karoshiya” during “**Heritage Craft Mela, Patiala**” on 02 March 2020.

The students of B.A. 1 organized “**Flower Arrangement Show-Buds and Bloom**” in which “Fresh and Dry Flower Arrangement” was exhibited.

37. P. G. Department of History

Dr. Harjeet Kaur, Head of the Department, delivered a lecture on “**Role of Teachers in Personality Development of Students**” on Teachers Day, for the students of undergraduate and postgraduate classes.

Dr. Daljeet Singh, Head, Punjab Historical Studies, Punjabi University Patiala, delivered a lecture on “**A Philosophical Study of the Teachings of Sri Guru Nanak Dev Ji**”, dedicated to 550th Prakash Purab of Sri Guru Nanak Dev Ji on 13 September 2019.

Quiz Competition was organised by the department on 07 October 2019 for the students of undergraduate and postgraduate classes.

The students of P.G. Department of History and Department of Hindi jointly visited Sri SanatamD haram Kumar Sabha Sri Ramvirji Ashram and lunch was also served to the needy people on 11 March 2020.

38. P.G. Department of Political Science

Under the guidance of **Dr. Jagtar Singh**, Head of the Department, a lecture was delivered by Sh. B. S. Ratan, Former Income Tax Commission, on the topic **“How to prepare for Competitive Exams”** for the students of B.A. Honours in Social Sciences on 03 September 2019.

A lecture was organized on **“Sri Guru Nanak Dev Ji Diyan Sikhiyavaan ate Rajnitik Naitikta”** by **Dr. Jagroop Kaur**, Dean, Social Sciences and Head, Department of Political Science, Punjabi University Patiala on 04 September 2019.

Balwinder Singh, a student of B.A.Honours in Social Sciences-II participated in **National Youth Parliament** organised by United States volunteers on 17-20 September,2019.

19 students of M. A. visited **Book Fair** organized by Punjabi University Patiala on 27 February, 2020. 11 students of the B.A Honours in Social Sciences participated in **Craft Mela** organized at Patiala.

Essay Writing Competition was organized on the topic **Effects of Corona on World Politics**for the students of the department on 11 April 2020.

39. Department of Religious Studies

Under the guidance of **Dr. Gurvir Singh**, Head of the Department, **saplings** were planted in Urban Estate (Patiala) under the Campaign **“Rukh Lagaayo”**.

Dr. Mohinder Singh delivered a **lecture** on the topic **“Rabaab ton Nagaare Tak”** on 20 September 2019.

A film **“Noor-e-Ilaahi”** based on the life of Sri Guru Nanak Dev Ji was shown to the students of the department on 25 February 2020.

A lecture by **S. Satnam Singh** on “**Importance of Sri Sahej Path Ji**” was organised on 03 March 2020.

40. P.G. Department of Economics

Under the guidance of **Dr. Nishan Singh**, Head of the Department, Teachers Day was celebrated and **Poetry Recitation Competition** and Elocution were organised on 5 September 2019.

Quiz Competition dedicated to 550th Prakash Purab of Sri Guru Nanak Dev Ji was organised for the students of the department on 16 September 2019.

Post-graduate students of the department participated in **One-day Workshop** on the topic **Rural Urban Migration and Development** held at Punjabi University Patiala on 16 October 2019.

Quiz Competition based on social, economic and political issues was organized for the students of undergraduate and postgraduate classes on 05 November 2019.

The postgraduate students of the department participated in Three-day Book Fair held at Punjabi University Patiala.

A **documentary** based on autobiography of Dr. A.P.J. Abdul Kalam was shown by the department, to the students of B.Sc. Agriculture and B.Com.-II on 11 November 2019.

During **Spring Spree** organised by School of Commerce and Management, the students of Post graduate classes of the department put up a stall of eatables on 07 February 2020.

The department organised a webinar on **Agriculture Awareness** for the students of B. A., M. A., B.Sc. Agriculture and B. A. Social Sciences on 02 May 2020.

The department organised a webinar on “**Kuch Bhi Ho Sakta Hai**” by **Sh. Karan Rajdaan**, an eminent Bollywood writer, actor and director on 05 July 2020.

41. P. G. Department of Psychology

With the unstinted efforts of **Prof. Ramandeep Kaur**, the department organised a lecture by **Dr. Nalini Malhotra**, Associate Professor, Department of Psychology, Punjabi University Patiala on 09 March 2020.

42. Department of Music (Vocal):

Under the guidance of **Dr. Kuldeep Kumar**, Head of the Department, the department organised a lecture on “Music and Science” by **Dr. Tarlochan Singh Mahajan**, Head, Department of Physics on 27 February 2020.

43. Post Graduate Department of Mathematics

Under the guidance of **Dr. Gurmeet Singh**, Head of the Department, **Poster Presentation Competition** was organised by the department on 05 September 2019.

Essay writing competition was organized by the department on the topic” **“Sri Guru Nanak Dev Ji Di Jeevani Atte Sakhiyaan** on 05 November 2019.

Declamation Contest was organised on the topic **“Sri Guru Nanak Dev Ji Di Vichardhara Da Vigiyaanik Drishtikon”** on 07 November 2019.

A **religious film** was shown to the students on 14 November 2019.

The teachers and students of the department organized **“Online Motivational Programme”** on 10 May 2020, based on maintaining psychological balance during Covid-19 Pandemic.

44. Department of Sociology:

Under the guidance of **Prof. Jatinder Singh Bhutal**, Head of the Department, **Onam festival** was celebrated by the students of the department, including the students from Kerala on 12 September 2019.

The department organised a lecture on **“Social Perspective of Sri Guru Nanak Dev Ji’s Teachings”** by **Prof. Satnam Kaur** on 13 September 2019.

The department organized a lecture on **“Role of Socialization in Daily Lives from Different Theoretical Perspectives”** by **Dr. Namrata Vadhera**, Department of Sociology, Punjabi University Patiala on 08 November 2019.

45. Post Graduate Department of Geography

Under the guidance of **Dr. Gorakh Singh**, Head of the Department, **Induction Programme** was organised for the students of B. A. I, B. A. I Honours and M.Sc.-I on 06 August 2019.

The department organised a lecture on the topic **“Ozone Layer”** by **Dr. Krishan Chand**, Director, CRRID Centre Chandigarh on 16 September 2019.

The department organised a lecture on **“Importance of Geography in Competitive Exams”** by **Prof. Anupreet Singh Tiwana**, Head of the Department, Mata Gujri College, Fatehgarh Sahib on 09 October 2019.

Geographical Survey was conducted by the department for the students of undergraduate and postgraduate classes on 24 October 2019.

A **Guest lecture** on the topic **“Cartographic Technique”** by **Dr. K.S. Sohal**, Former Head, Punjabi University Patiala was organized on 06 November 2019. He also delivered guest lecture on **“New Innovations in Agriculture”** on 27 January 2020.

Geographical Quiz of Patiala Zone was organized by the department on 20 February 2020. The students of the department bagged **1st position**.

46. P.G. Department of Music Vocal:

Under the guidance of **Dr. Jagjit Singh**, Head of the Department, the department organised a lecture on the topic of **“Vaar, Kavishari and Kali Gayan”** by **Sh. Hardiyal Singh** on 24 September 2019.

The department organised a lecture on **“Vaar, Kavishari and Kali Gayan”** by **Sh. Preet Rupaal** on 19 October 2019.

With the efforts of the department, the song “**Sheesh Jhukavaan Mein**” was nominated for **PTC Punjabi Music Awards in the category of Best Music Video (Non-traditional) and Best Music Director (Non-traditional)**.

Apart from this, Bhai Mardana Sangeet Studio of the department released tracks namely **Kirat** on 12.08.2019, **Eh Sheesh Jhukavaan Mein** on 12.09.2019, **Kanyian** on 30.09.2019, **Nanak Vajaan Mardaa** on 17.10.2019, **Nanak Veereya-Ghori** on 25.10.2019, **Nanak Naam ChardiKala** on 04.11.2019, **Rang RataaMera Sahib** and **SauKyu Visra Meri Mayi** on 05.11.2019, **Satguru Nanak Aajaon** 07.11.2019, **Re Mann Mere Bharam Na Kijiye** on 09.11.2019, **Suni Nah PiyaareIk Benanti Meri** on 10.11.2019, **Dhan Nanak Teri Vadi Kamaayi** on 11.11.2019, **Gur Taar Taaran Haariya** on 12.11.2019, **Asi HaanI the Aaye Subiya** on 17.12.2019, **Maa Gujri de Laadley** on 23.12.2019 and **Udho Na Kaga Kaare** on 04.06.2020.

Vocational Courses:

47. Department of Food Processing and Engineering

Under the guidance of **Prof. Rosy Bansal**, the path of **Japji Sahib** was recited by the students of the department in Gurdwara Sahib of the college.

Under the campaign **Plantation Drive**, 25 saplings were planted by each student of the department on 27 August 2019.

Dr. Rosy Bansal delivered a lecture on the topic **Value Added Based** for the students of N. S. S., Home Science and Food Processing during **Nutrition Month Celebration 2019** on 02 September 2019.

Group Discussion was organised on the topic “**Processed Food vs Fresh Food**” for the students of the department on 10 September 2019.

The department organised a **workshop** on “**Amazing Food Facts**” on 11 September 2019. During this workshop, various **food items** were prepared.

The department organized **Kavi Darbaar** on 19 September 2019. Eminent personalities like **Dr. Poonam Gupta, Sh. Sanjay Dardi, Smt. Payal** recited poems.

Under the directions of Ministry of Skill Development and Entrepreneur Government of India, **Fit India Plogging Run Programme** was organised on 02 October 2019.

The students of the department attended 2-day **Training** under **Skill Incubation Centre** on 9-10 December, 2019.

A **visit** to Heritage Food Festival and Crafts was organised for the students of the department on 25 February 2020.

The department organised a **workshop** on **Food Product and Food Additives** on 27 February 2020. In the workshop, the students were given inputs on the preservation and the ways to increase **shelf life** of food.

Yoga and Motivational Session on “Maintaining Psychological Balance during Covid-19 Pandemic” was organized on 15 April 2020.

The department organized **Poetry Writing and Poetry Recitation competition** on the topic “Social and Economic Impact of Covid-19 Pandemic” on 28 April 2020.

The students of the department made **videos** on the theme of “**United We Stand, Divided We Fall**” based on Covid-19 Pandemic.

48. Department of B.Voc. Automobile and Advanced Diploma in Auto Electrical and Electronics

Under the guidance of **Prof. Davinder Singh**, Incharge, B. Voc. Automobile and **Prof. Arshpreet Singh**, Incharge, Advanced Diploma in Auto electrical and Electronics, the department **organised Induction Programme** on 20 August 2019.

The department organised a **lecture** dedicated to 550th Prakash Purab of Sri Guru Nanak Dev Ji by **Dr. Gurveer Singh** on 27 August 2019.

The students of the department planted **saplings** on 02 September 2019.

The department organised a **lecture** on the topic “**Advanced Technology in Automobiles**” by **Dr. Pratap Singh Samra**, Department of Mechanical Engineering, Sri Guru Granth Sahib World University, Fatehgarh Sahib on 26 February 2020.

The department organized a **lecture** on **Motivation and Morale Building** on 08 May 2020.

49. B.Voc. Software Development

With the efforts of Prof. Kanwalpreet Singh, the department organized **Student Induction Programme** on 22 August 2019.

Under the campaign **Plantation Drive**, the students of the department planted saplings in college campus on 01 November 2019.

The department organised a **guest lecture** by S. Parampreet Singh, Engineer, Z-Start Solution on 30 November 2019.

Six students of the department attended **6-Month Training** in various companies on 01 January 2020.

An **Online Examination** was conducted by Sector Skill Council Beacon, Government of India, for the assessment of the students on 27 February 2020.

ACTIVITIES OF CELLS, CENTRES AND ASSOCIATIONS:

50. Gurmat Society and Guru Gobind Singh Study Circle:

Under the guidance of **Dr. Jagjit Singh**, Convener, Gurmat Society and Guru Gobind Singh Study Circle, **Sangrand** was celebrated every month in Gurudwara Sahib of the college.

“Deepmala” was done on Prakash Purab of Sri Guru Nanak Dev Ji on 11 November 2019.

51. English Literary Society:

Under the guidance of **Dr. Deepinderjeet Randhawa**, Head of the Department, members of English Literary Society were elected on 04 September 2019. With the efforts of Dr. Rouble Brar, convener of the society, 580 members were elected. Dr. Dharminder Singh Ubha, Principal of the college, shared his views on Sri Guru Nanak Dev Ji's principle of "**Kirat Karo, Naam Japo, Vand Chako**" during a seminar organised by the society on **Importance of Moral Values in Contemporary Education System**.

Poetry Recitation and Elocution Competition was organised by the society on 05 November 2019.

52. Youth Club and Red Cross Society:

Under the guidance of **Dr. Sarabjeet Singh Ahluwalia**, convener, the club and Society established **Nanak Bagichi dedicated to 550th Prakash Purab of Sri Guru Nanak Dev Ji**, in which 550 saplings were planted on 19 September 2019.

The club and Society organised a **seminar** on "ImaandariIk Jeevan Shaili", with the cooperation of Vigilance Bureau on 01 November 2019.

With the efforts of the club and the society, **Slogan Writing Competition** was organised on 08 November 2019.

Debate Competition on the topic "Dhara 370 Radh Karna Loktantrik Hai" was organised on 25 February 2020.

52. Grievance Cell:

Under the guidance of **Dr. Jagjit Singh**, the grievances of the students were addressed.

53. P.T.A. Cell:

Under the guidance of **Dr. Anju Khullar**, the meeting of **Parents Teachers Association** was held on 08 November 2019, in which information regarding

marks in Mid-Semester tests, lectures, overall performance of the students in their respective classes and various activities of the college, was imparted to the parents.

P.T.A. Cell of the college organised a lecture for the parents on the topic **“Healthy Parenting and Indispensable Factors Involved in the Guidance of Youth”** by **Dr. Satish Kumar**, Former Director, Youth Welfare Department, Punjabi University Patiala on 28 February 2020.

54. Old Students Association:

Convener of Old Students Association, Prof. Jaspreet Kaur on 23 December, 2019, lecture from Prof. Gurpal Singh, Assistant Professor of Computer Department (Old student of the College) was held on Safe Usage of Electronic media. Students of all final classes were registered on Alma bay App on 11 September, 2019.

On 29 January 2020, Dr. A.S. Oberoi, Former Director, International Labour Organization, United Nations shared his views on India's Growth Story with students of M.Com. M.L.D. M.A. Economics, Social Sciences.

55. Publication Cell:

During the session, under the supervision of Dr. Pushpinder Kaur Dean Press and Publication Cell has published four books 'Nanak Waaho Waaho.', 'Mudhla Punjabi Gyan' Part-I, Semester-I, Sustainable Agriculture Development and 'Punjabi Sahit Chintan: Globally Pariphekh' has been published. It is commendable that the Publication Cell of the college has so far published 26 books including 12 books on Conference Proceedings, 10 Text Books, 03 Literary and 01 book on the history of the college.

56. Legal Literacy Cell:

Under the able guidance of Dr. Jatinder Singh Bhutal, Convenor of the Cell, Dr. Punamdeep Singh delivered lecture on Right to Information Act from the Department of Public Administration.

57. Girls Welfare Committee and Nanhi Chhan Cell:

Dean of Girls Welfare Committee, Dr. Sukhmeen Kaur under the able leadership of Dr. Balbir Kaur, this committee and cell conducted Poster Making competition on 17 September 2019, as per the directions of Union Government to celebrate the National Nutrition Strike and also exhibited the posters made by students. On 9 November 2019, 300 girls and teaching and non-teaching ladies staff of the college participated in the Women's Conference at Sultanpur Lodhi dedicated to the 550th Birth Anniversary of Sri Guru Nanak Dev Ji on 26 February 2020, the specialist of Government Rajindra Hospital Dr. Raja Paramjit Singh Benipal's lecture on the causes, symptoms, prevention and remedy of Breast Cancer was given to the students on Domestic Violence against women on 4 March 2020.

Post Graduate classes on 5 March 2020, about 200 female students were shown a documentary film on the topic of Saving Face.

58. Library Committee:

With the efforts of Prof. Jaspreet Kaur, Convener of the Library Committee, various programmes were organized during which the students were informed about the facilities available in the library, library rules, available books, magazines, newspapers, book banks, internet facility and e-resources.

On 4 March 2020, with the commendable efforts of this committee, Mr. Ajay Sahai, Manager Training North, shared information about e-resources, accessing them and G-Gate with teachers.

59. Kirat Club:

During this session, the college dedicated to the 550th Birth Anniversary of Sri Guru Nanak Dev Ji. Under the supervision of Dr. Davinder Singh (Convener) Kirat Club was established on 01 August 2019, with the participation of 550 students. The Club and Gurmat Society and Guru Gobind Singh Study Circle

jointly organized the event on the occasion as Assistant Director Youth Services. A Special lecture was given by Dr. Dilbar Singh from the Department, Fatehgarh Sahib.

On the special occasion of the Birth Anniversary of Sri Guru Nanak Dev Ji on 11 November 2019, Principal Dr. Dharminder Singh Ubha and Dr. Davinder Singh's co-edited book 'Nanak Waaho Waaho.' was released.

On 12 February 2020, Kirat Club and Dr. Ganda Singh Career Guidance and Counselling Cell showed a documentary on Sri Guru Nanak Dev Ji to the students during a function.

60. Chem Club:

Under the able guidance of Prof. Monika Bansal, Post Graduate Chemistry Department, during this session organized a Poster Making Competition dedicated to the 550th Birth Anniversary of Sri Guru Nanak Dev Ji on the topic of Teachings. On the same day, **Mehndi Competition** dedicated to the **Teej Festival** was held. During the month of February, **Dr. Abhinash Chandra** of Thapar Institute of Engineering and Technology, Patiala delivered a lecture on **The Method of Extracting Oil from Herbs and Spices.**

A one-day National Workshop on Basics of Rheology and Dynamic Bite Scattering was held on 6 March 2020.

61. Brave Hearts Club:

Under the able guidance of the Head of the English Department, **Dr. Deepinderjeet Randhawa** and with the efforts of the convener of the club **Prof. Jaspreet Kaur** on 25 October 2019, **Spreading Happiness** activity dedicated to the 550th birth anniversary of Guru Nanak Dev Ji was organized under which the teachers and students of the department jointly visited Daya Sagar School, Patiala

and distributed school bags, stationery, tiffin boxes and other food items to the students.

On the same day, **Prof. Jaspreet Kaur** also shared her views with the students on the philosophy of Sri Guru Nanak Dev Ji's **Naam Japo, Kirat Karo, VandChako**.

62 Heritage Conservation Club:

Under the able guidance of **Prof. Sandeep Chahal**, on 14 August 2019, the club celebrated Teej festival at the college dedicated to the theme '**Jis Ghar Dhiyan Us Ghar Teej**'.

63. Dr. Ganda Singh Career Guidance, Counseling and Placement Center:

9 seminars were conducted by this center under the able guidance of **Dr. Jasleen Kaur**. A **Seminar** was conducted on 12 September 2019 for the students Post Graduate and Under Graduate on **Stock Exchange in Association with Mahesh Chand Natya Manch**, **One day seminar** was organised on 14th November 2019 for Students of Post Graduate and Under Graduate Classes **Career Opportunity in General Insurance Sector in Association with National Insurance Company Ltd. New Delhi**, **One Day Seminar** on 05 February 2020 **One Day Seminar on Career Opportunity in India and Abroad by English Pillars** for Post Graduate Students, **One day seminar** on 11 February 2020 for the students of B.C.A., M.Sc.(IT) PGDCA and B.Voc. on **Industrial Training and Placement Opportunity** by Matrid Technology, **One day seminar** on 18 February 2020 for the students of Post Graduate and Undergraduate classes on **Career Opportunity in Civil Services** by **Mr. Shubam Aggarwal**, Political Analyze, New Delhi, **One day seminar** on 25 February 2020 for the students of MBA (LD) and M.Com on Placement Opportunity in Banking Section by Utkarsh Bank, **one**

day online seminar on 23 April 2020 for students of classes MBA(LD) by Prof. Varleen Kaur on the topic of **Counseling on Mental Health in Covid-19 in Lockdown**, seminar on 11 May 2020 for the students of undergraduate Part III by **Mrs. Simpy Singla**, Deputy Placement Officer DBE Patiala on Career Opportunity in Private and Government Section and **one day seminar** on 01 June 2020 was organised on **Career Opportunity in Education Sector and Importance of Qualifying UGC, NET Exam** by **Ms. Akanksha Soni**, Assistant Professor in Mata Gujri College Fatehgarh Sahib and **Ms. Roopsi Pahuja, DBE**.

6 placement drives were organised by this centre. **1st Placement Drive** was conducted on 07 November 2019 by **Diala Bank**, **2nd Placement Drive** on 19 December 2019, by **Investors Clinic**, **3rd Placement drive** on 4 February 2020 by **HDFC Life Insurance**, **4th Placement drive** on 04-05 February, 2020, by **Infosys at Chitkara University**. **5th Placement Drive** by **RIRCM** on 5 February 2020 and **6th Placement drive** by ICICI Prudential on 24 February 2020.

3 FDPs were organised by this center. **Seven-day FDP** on the theme **Anchoring and Stage Management** on 16-24 September 2019 was conducted, **seven-day FDP** on 22 June 2020 on the subject **E-Content Development** and **seven-day FDP** from 29 June to 08 July, 2020 on **Computer Learning** was organised.

2 visits were organised by this center: first visit was organized on 11 February 2020 for B.Sc. (Non-Medical), Biotech and B.Sc. (CSM) Part III students to **District Bureau of Employment Office**. The second visit was organized on 18 February 2020 for the Students of M.Com. II to **District Bureau of Employment Office**.

On 31 October 2019, MBA (LD) and M.Com. Students were introduced to **Career Opportunity** by the **British Council** through online medium. **The Non-Teaching Development Programme** was launched on 24 January 2020.

On 16 April 2020 Chartered Accountant **Mr. Mayank Sharma** organized a workshop on **Financial Awareness Programme to Utilize Free Time in Today's Covid-19 Situation** for the teachers of School of Commerce and Management and Department of Mathematics. The college organised seven day SDP from 16 December to 22 December 2019.

64. Dispensary Committee:

On 18 February 2020, under the supervision of committee convener **Prof. Jatinder Kaur**, the teaching and Non-teaching staff members of the college underwent **free Eye test** and **Bone Mineral Density Test**.

65 Buddy's Group:

On 20 August 2019 the Buddy's group under the supervision of Dr. Gorakh Singh organized a **lecture on Drug abuse** by **Dr. Shivjot**, Punjabi University Patiala.

On 6 September 2019, workshop on Drug Abuse Prevention was organized for senior Buddies. Dr. Mamta Sharma, Incharge, Punjab participated as Chief Guest.

On 24 August 2019, **Dr. Gorakh Singh** the Head of Department, Geography and Nodal Officer of Buddies Group gave a lecture on the **Intellectual Development** of the students.

On 8 November 2019, discussions were held with the parents of the students under **Drug Monitoring Committee**.

On 14 November 2019, **Buddy's Day** was celebrated. On this occasion Dr. Tarlochan Singh Mahajan gave a lecture on the **Ill Effects of Drugs**.

On 3 February 2020, Dr. Ranjit Singh Ghuman from CRRRID Chandigarh gave lecture on **Dynamics of Drug Addiction and Abuse in Punjab: Social Economics and Political Implications**.

66. Library:

During this session, **2371** new books of **Rs. 9766940** were purchased. Till 30 July 2020, total 8607 books were issued to students and teaching as well as non-teaching staff. Out of PTA fund total 510 books worth Rs. 75092 were issued for the needy students. The library contains 80 journals and magazines from various departments. This year 6 more journals have been installed bringing the number to 86. At present 22 newspapers in English, Hindi and Punjabi languages are coming in the library. The College Library has taken three E-Resources N-List (5900/-), J-Gate (66198/-), Delnet (1390/-). A large number of e-journals and e-books can be viewed online through these e-resources. The library has been automated to streamline its operation. To search the college library record library UPAC was linked with College UPAC and was made Web UPAC so that any reader can search for library records from anywhere in the world. The College Library is the first library to offer this facility. RFID (Radio Frequency Identification) has been installed in the library to prevent theft of books.

67. College Magazine "Naviyan Perhan"

Under the able supervision of Editor Dr. Harvinder Kaur, Deputy Editor Dr. Jiwant Kaur, the College Magazine "Naviyan Perhan" was released to enlighten the hidden literary talent of the students and to inform them about activities and achievements of the college. In this Magazine, Dr. Harvinder Kaur (Hindi), Dr. Nipunjot Kaur (Science), Dr. Komaldeep Kaur (Commerce and Management), Prof. Navdeep Kaur (English), Dr. Sarabjit Singh (Punjabi) and Dr. Imtiaz Khan (Agriculture) were the teachers in-charge of their respective sections.