

Curriculum Vitae

Ms. Kirandish Kaur

HOD, Assistant Professor of Chemistry,

Department of Chemistry

Guru Nanak College,

Sri Muktsar Sahib (152026)

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Area of Interest

- Theoretical Chemistry and Organic Chemistry

Teaching Experience:

- 13 years and 6 months teaching experience in Guru Nanak College, Sri Muktsar Sahib since August 2011.

Subjects Taught:

- Organic Chemistry
- Inorganic Chemistry
- Physical Chemistry

Academic Background:

Examination	University	Year	Percentage	Division
Matric	Punjab School of Education Board, Mohali	2003	86%	Ist
Intermediate (10+2)	Punjab School of Education Board, Mohali	2005	78%	Ist
B.Sc. Medical	Panjab University, Chandigarh	2008	85%	Ist
M.Sc.(HS) Chemistry	Panjab University, Chandigarh	2010	75%	Ist
Ph.D.	Regd. (Panjab University, Chandigarh)			
CSIR-NET (LS)	Dec. 2009		37 Rank	
CSIR-NET	June 2010		127 Rank	
O-CET Test	Panjab University, Chandigarh	2008	4 th Rank	
CET Test	Punjab Agriculture University, Ludhiana	2008	3 rd Rank	

Project Work

- During M.Sc. (HS) IInd Year, I have done research work on the topic “Synthesis and Characterisation of alpha-Aminosulphoxides”.

Faculty Development Programmes/Training Camps:

- Attended five days online Faculty Development Program on Innovative Teaching Learning Methodologies conducted by CIT-TLC w.e.f. 06-10, July, 2020.
- Attended One week online Faculty Development Program on Development of Careers in Higher Education in India in the 21st Century organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, and University of Delhi under PMMMNMTT of MHRD in collaboration with St. Johan’s College, Agra w.e.f. 23-27 June, 2020 .
- Program on Online Teaching and learning in India organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi under PMMMNMTT of MHRD in collaboration with Bodoland University Assam w.e.f. 17-22 June, 2020.
- Attended one week Online International Faculty Development Program on Research and Development in Materials Behavior, Processing and Characterization Techniques from 9-14, June, 2020 organized by Department of Mechanical Engineering, GLA University, Mathura in association with IIM, Mathura Chapter and Panjab University, Chandigarh.
- ARPIT-Refresher Course in Chemistry for Higher Education Facult 2019 by AICTE.
- Summer Programme organized by Guru Nanak Dev University, Sri Amritsar from 16.06.2017 to 06.07.2017 sponsored by UGC.
- Orientation Programme OP- 14th organized by GJUS&T Hisar in May, 2013 sponsored by UGC.
- C.A.T.C. Camp organized by Unit No. 4 (Pb) Air Sqn NCC from 05.10.2005 to 16.10.2005.

Achievements and Awards:

- Prepared and submitted the proposal as Subject in charge of Chemistry under Star College Scheme of DBT, New Delhi and the Chemistry subject is selected under the strengthening component of the Star College scheme. (Total Rs. 21 Lac grant sanctioned for 3 years)
- Coordinator, A One Day Seminar on Gender Equality and Women Empowerment: Perspectives and Analysis sponsored by CDC, PU Chandigarh and organized by Legal Literacy Club and Extension Activities Committee of college on 13.02.2023 and received the grant approx. Rs. 22500/-
- Co-coordinator of DST INSPIRE Internship Camp organized by Department of Basic Sciences

on September 23-27, 2019. (Rs. 9.75 Lac grant received)

- Convener and submitted a proposal to organize National Seminar on “Legal Awareness Programme” 2019-20 sponsored by NCW New Delhi (Rs. 90,000/- grant received)
- Co-convener of National seminar ‘Emerging Research Trends in Experimental Physics (ERTEP-2019)’ sponsored by Chandigarh Development Council, Chandigarh at Guru Nanak College for Girls, Sri Muktsar Sahib on February 22, 2019. (Rs. 40,000/- grant received)
- Organizer of BRNS-IANCAS National Workshop on “Nuclear Sciences and Applications of Radioisotopes sponsored by Dept.of Atomic Energy-Board of Research in Nuclear Science (DAE-BRNS)
- Acted as subject expert cum member of Inspection Team of PU Chandigarh constituted regarding inspection to extend the affiliation of B.Sc. I, II, III (Non-Medical and Medical) Mata Sahib Kaur College, Talwandi bhai in 2021.
- Acted as subject expert in interview of Adhoc chemistry teachers at Directorate of Education SGPC, Bahardurgarh, Patiala in 2021.
- Incharge, Quiz Team of college to prepare students to participate in quiz competition in PU Zonal Youth Festival and team scored 2nd position.
- Received appreciation letter from NITTTR, Chandigarh Ministry of Education, Government of India in 2020 as Participating Institute (PI) Incharge under Unnat Bharat Abhiyan for remarkable job under UBA scheme during the year 2019-20.
- Best Oral Presentation for Session 03 for presenting contributed paper entitled “First Principle calculations of effect of hydrostatic pressure on $Ga_{0.75}Cr_{0.25}P$ ” in the International Conference on Integrated Interdisciplinary Innovations in Engineering (ICIIE-2020) held on August 28-30, 2020 at Panjab University, Chandigarh.
- Associated Editor of Souvenir cum Abstract book of National Seminar ‘ERTEP-2019’ conducted on 22.02.19.
- Selected for the Participation in Workshop on Evolution of Electronic Structure Theory & Experimental Realization (EESTER 2018) organized by SRM Institute of Science and Technology & Indian Institute of Technology, Madras in Association with MRSI Computational Materials Science Subject Group, Chennai.
- Member AQAR Report writing Committee (College Accredited with A grade)
- Acted as member of bench no. 6 of Ms. Supreet Kaur, Ld. Civil judge (Jr. Divn.)-cum-J.M.I.C, Sri Muktsar Sahib in National Lok Adalat conducted by District Legal Services Authority, Sri Muktsar Sahib on 12.12.2020.
- Acted as member of bench no. 4 of Ms. Supreet Kaur, Ld. Civil judge (Jr. Divn.)-cum-J.M.I.C, Sri Muktsar Sahib in National Lok Adalat conducted by District Legal Services Authority, Sri

Muktsar Sahib on 10.04.2021.

- Acted as member of bench no. 2 of Sh. Prem Kumar, Learned Additional District and Session Judge-II, Sri Muktsar Sahib (Bench to deal with family matters) in National Lok Adalat conducted by District Legal Services Authority, Sri Muktsar Sahib on 10.07.2021.
- Acted as member of bench no. 4 of Sh. Krishan Kumar Singla, Learned Additional District and Session Judge, Principal Judge, Family Court, Sri Muktsar Sahib (Bench to deal with family matters) in National Lok Adalat conducted by District Legal Services Authority, Sri Muktsar Sahib on 11.09.2021.
- Acted as member of bench no. 3 of Sh. Prem Kumar, Learned Additional District and Session Judge-II, Sri Muktsar Sahib in National Lok Adalat conducted by District Legal Services Authority, Sri Muktsar Sahib on 11.12.2021
- Acted as member of bench no. 4 of Sh. Jatinder pal Singh, Learned Civil Judge (Sr. Divn.)-cum- Additional Chief Judicial Magistrate, Sri Muktsar Sahib in National Lok Adalat conducted by District Legal Services Authority, Sri Muktsar Sahib on 13.08.2022.
- Appointed as Deputy Superintendent, PSTET 2023 examination in Centre Code 952 in Guru Nanak Collegiate Sen. Sec. School, Sri Muktsar Sahib conducted by Guru Nanak Dev University, Amritsar on 12.03.2023.
- Appointed as member of Flying squad in PSTET Paper II in Guru Nanak Collegiate Sen. Sec. School, Sri Muktsar Sahib (Centre Code 942) conducted by Guru Nanak Dev University, Amritsar on April 30, 2023.

Membership of National/International bodies:

- Life member of Punjab Academy of Sciences, Punjabi University, Patiala (Punjab).
- Ex-Member of American Physical Society.
- Reviewer of International Journal of Applied Physics A.
- Reviewer of ECS Journal of Solid-State Science and Technology.
- Reviewer of International Journal of Electrical and Computer Engineering Systems.

Publications

Publications in Research journals/Conference Proceedings

- S. Singhal, **K. Kaur**, J. Sheenu, B. Santosh “Structural and Magnetic Properties of $\text{BaCo}_x\text{Fe}_{12-x}\text{O}_{19}$ ($x=0.2, 0.4, 0.6$ & 1.0) Nanoferrites Synthesized Via Sol-Gel Method” published in World Journal of Condensed Matter Physics, 2011 (1) 101.
- B. Santosh, **K. Kaur**, S. Singhal,, Paper entitled “Structural, Magnetic, Electrical and Optical

Properties of $\text{Co}_{0.6}\text{Zn}_{0.4}\text{Fe}_2\text{O}_4$ prepared via Sol-Gel Auto combustion Route” published in AIP conference Proceedings 1393 (1) (2011) 297.

- **K. Kaur**, Rani A. “DFT Study of Structural, Electronic, Magnetic and Elastic Properties of GaP and $\text{Ga}_{0.75}\text{X}_{0.25}\text{P}$ (X=Cr, Mn, Fe)” published in Applied Physics A: Materials Science and Processing 123 (2017) 791.
- **K. Kaur**, Rani A. “Ab-Initio study of structural and Electronic Properties of GaP and $\text{Ga}_{0.875}\text{Fe}_{0.125}\text{P}$ using first principal calculations” published in International Journal of Advance Research in Science and Engineering 2017 (6) 1736.
- **K. Kaur**, S. Sharma, A. Rani “Study of Effect of Hydrostatic Pressure on Structural, Electronic and Magnetic Properties of $\text{In}_{0.75}\text{Cr}_{0.25}\text{P}$ in AIP” published in conference proceedings 2265(2020) 030588.
- A. Rani, **K. Kaur**, N.K. Pruthi, R. Kumar “Emergence of half-metallic ferromagnetism in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ ($x=0.25, 0.125$ and 0.0625)” published in AIP conference proceedings 2265 (2020) 030578.
- **K. Kaur**, S. Sharma, A. Rani, S. Kaur “Study of Effect of Hydrostatic Pressure on Structural, Electronic and Magnetic Properties of $\text{In}_{0.75}\text{Mn}_{0.25}\text{P}$ using Density Functional Theory” published in Journal of Material Today:Proceeding 28 (2020) 1510.
- S. Kaur, **K. Kaur**, S. Sharma, A. Rani, “Emergence of Ferromagnetism in Vanadium doped Aluminium Phosphide: DFT Study” published in Journal of Material Today:Proceeding 28 (2020) 1820.
- **K. Kaur**, S. Sharma “First Principle Calculations of Effect of Hydrostatic Pressure on $\text{Ga}_{0.75}\text{Cr}_{0.25}\text{P}$ ” published in IOP Conf. Series: Materials Science and Engineering 1033 (2021) 012062.
- **K. Kaur**, S. Sharma “DFT Study of Effect of Hydrostatic Pressure on Structural, Electronic and Magnetic Properties of $\text{In}_{0.875}\text{Cr}_{0.125}\text{P}$ ” published in IOP Conf. Series: Materials Science and Engineering 1033 (2021) 012017.
- **K. Kaur**, S. Sharma “Study of Structural, Electronic, Elastic and Magnetic Properties of $\text{Al}_{0.75}\text{X}_{0.25}\text{P}$ (X=Cr, Mn, Fe) using Density Functional Theory” published in Solid State Communications 325 (2021) 114172.
- **K. Kaur**, S. Sharma “DFT Study of Structural, Electronic, Elastic and Magnetic Properties of $\text{In}_{0.75}\text{Cr}_{0.25}\text{P}$ in Journal of Materials Today proceedings 46 (2021) 76.
- **K. Kaur**, “Theoretical Study of AIP using Density Functional Theory” in Recent Innovations in Science, Engineering, Management and Humanities, Publisher:JS University, Manipuri Road, Shikohabad, Firozabad (U.P), Pp. 85-88.

- **K. Kaur, “DFT Study of Structural and Electronic Properties of Pure AIAs”** in Zinc Blende Phase” in Recent Innovations in Science, Engineering, Management and Humanities, Publisher:JS University, Manipuri Road, Shikohabad, Firozabad (U.P) (2023) 81-84.
- **K. Kaur, “Ab-Initio study of ScN using Density Functional Theory”** in Zinc Blende Phase” in Recent Innovations in Science, Engineering, Management and Humanities, Publisher:JS University, Manipuri Road, Shikohabad, Firozabad (U.P), (2023) 76-80.
- **K. Kaur, “DFT Study of Fe doped GaP using SIESTA”** in 3rd International Multidisciplinary Conference Recent Innovations in Science, Engineering, Management and Humanities (RISEMH -2024) Publisher:JS University, Manipuri Road, Shikohabad, Firozabad (U.P) (2024) 63-67.
- **K. Kaur, “Nanomaterials: A Boon for Our Environment”** in 3rd International Multidisciplinary Conference Recent Innovations in Science, Engineering, Management and Humanities (RISEMH -2024) Publisher:JS University, Manipuri Road, Shikohabad, Firozabad (U.P) (2024) 68-72.
- **K. Kaur, “Nanotechnology and its applications in different fields- A review”** in 3rd International Multidisciplinary Conference Recent Innovations in Science, Engineering, Management and Humanities (RISEMH -2024) Publisher:JS University, Manipuri Road, Shikohabad, Firozabad (U.P) (2024) 73-75.

Chapters in Book

- **Kirandish Kaur 2020. “The Challenges and Implications of Electronic Waste Management in India”** in **Contemporary issues and Challenges in the Society** (ISBN: 978-81-290-0226-6) Ed. Dr. Navneet Saini. Chandigarh: New Era International Imprint, Pp 269-279 (Print).
- **Kirandish Kaur 2022, “Nanotechnology and Environment”** in **Issues, Challenges and Opportunities in Science and Technology** (ISBN:9788129002518) Ed. By Dr. Harpreet Kaur. Chandigarh: New Era International Imprint, Pp-145-153 (Print).

Participation in Conferences/Seminars/Workshops/Webinars:

- Presented a paper entitled “Structural, Electrical and Optical Properties of Barrium ferrites” in International Conference: Nanotech India 2010 held on November 19-21, 2010 at Gokulam park, Kochi, Kerala
- Presented a paper entitled “X ray study of substituted Barrium ferrites synthesized by Sol-gel Method” in Professor Ram Chand Paul International Conference on Emerging Trends in Chemistry held on February 11-12, 2011. organized by Department of Chemistry and Centre

of Advanced Studies in Chemistry, Chandigarh

- Presented a paper entitled “Structural, Electrical and Optical Properties of Cobalt Zinc Ferrites prepared by Sol gel auto combustion route” in International Conference on Advances in Condensed and Nano Materials(ICACNM-2011) organized by Department of Physics, Panjab University, Chandigarh held on February 22-26, 2011
- Presented a paper entitled “Magnetic properties of Cobalt substituted Nickel Chromium Ferrites” in 5th Chandigarh Science Congress CHASCON 2011 organized by Department of Chemistry and Centre of Advanced Studies in Chemistry, Chandigarh held on February 26-28, 2011
- Attended two days Legal Awareness Programme on Women Related Laws organized by Department of Law, Central University of Punjab, Bathinda on March 8-9, 2016 .
- Attended one day National Seminar on NAAC Accreditation: Methodology, Process and Problems sponsored by CDC, PU, Chandigarh at Guru Nanak College for Girls, Sri Muktsar Sahib on 29.03.2016.
- Presented a paper entitled “Study of structural, elastic, electronic and magnetic properties of $Ga_{0.75}Cr_{0.25}P$ ” in International conference “Harnessing Engineering, Technology, and Innovation for Sustainable Growth (HETIS-2016)” organized by Dr. S.S. Bhatnagar University Institute of Chemical Engineering & Technology, PU, Chandigarh held on September 30-October 1, 2016.
- Presented a paper entitled “Study of structural, elastic , electronic and magnetic properties of $Ga_{0.875}Cr_{0.125}P$ ” in International Conference ICNFESMH-2017 organized by NITTTR, Sec. 26 Chandigarh on 21.05.2017.
- Presented a paper entitled “Ab-Initio study of structural and electronic properties of GaP and $Ga_{0.875}Fe_{0.125}P$ using first principle calculations” in International Conference on Recent Trends in Technology and its impact on Economy of India held at Guru Nanak College for Girls, Sri Muktsar Sahib on 24.10.2017.
- Presented a paper entitled “DFT study of Structural, Electronic and Magnetic Properties of $Ga_{0.875}Mn_{0.125}P$ in conference National Conference RTCEMS-2018 held at DAV College, Abohar on 18.01.2018.
- Participated in two days National Workshop on “Nuclear Sciences and Applications of Radioisotopes” held at Guru Nanak College for Girls, Sri Muktsar Sahib on March 9-10, 2019.
- Presented a paper entitled “Study of Barrium Ferrites Nanoparticles synthesized via citrate Sol Gel Method” in National Seminar on Emerging Research Trends in Experimental Physics (ERTEP-2019) on 22.02.2019 at Guru Nanak College for Girls, Muktsar.
- Participated in 5 Days DST Inspire Internship camp from September 23-27, 2019 held at Guru

Nanak College for Girls, Sri Muktsar Sahib.

- Presented a paper entitled “Study of Effect of Hydrostatic Pressure on Structural, Electronic and Magnetic Properties of $\text{In}_{0.75}\text{Cr}_{0.25}\text{P}$ ” in 64th DAE Solid State Symposium organized by Bhabha Atomic Research Centre, Mumbai sponsored by BRNS, Department of Atomic Energy, Government of India at IIT, Jodhpur from December 18-22, 2019.
- Presented a paper entitled “DFT study of effect of Hydrostatic pressure on properties of $\text{In}_{0.75}\text{Mn}_{0.25}\text{P}$ ” in 4th National Seminar Recent Advances in Materials Science organized by Department of Physics Goswami Ganesh Dutt S.D.College, Chandigarh on 01.02.2020.
- Presented a paper entitled “Legal Aid and Awareness in India: Issues and Challenges in One day National Seminar on Legal Awareness sponsored by NCW, New Delhi held at Guru Nanak College for Girls, Sri Muktsar Sahib on 26.02.2020.
- Presented a paper entitled “Study of Effect of Hydrostatic Pressure on Structural, Electronic and Magnetic Properties of $\text{In}_{0.75}\text{Mn}_{0.25}\text{P}$ using Density Functional Theory” in ICAMSE 2020 held at UIET, PU, Chandigarh on May 29-30, 2020.
- Presented a paper entitled “First Principle Calculations of Effect of Hydrostatic Pressure on $\text{Ga}_{0.75}\text{Cr}_{0.25}\text{P}$ ” in Integrated Interdisciplinary Innovations in Engineering (ICIIE 2020) held at UIET, PU, Chandigarh on August 28-30, 2020.
- Presented a paper entitled “DFT Study of Effect of Hydrostatic Pressure on Structural, Electronic and Magnetic Properties of $\text{In}_{0.875}\text{Cr}_{0.125}\text{P}$ ” in Integrated Interdisciplinary Innovations in Engineering (ICIIE 2020) held at UIET, PU, Chandigarh on August 28-30, 2020.
- Participated in International Webinar on “Challenges of COVID-19 For Economy & Economic Policy” organized by Guru Nanak College, Sri Muktsar Sahib on 15-05-2020.
- Participated in International Webinar on “Psychological Effects of COVID-19 on Adults and Children” organized by Guru Nanak College, Sri Muktsar Sahib on 23-05-2020.
- Participated in National Webinar on “Nanotechnology for Environment Remediation” organized by D.A.V College, Abohar on 02-06-2020.
- Participated in International Virtual Conference on “Novel Corona and Novel Challenges: Life ahead with COVID-19” organized by Sri Guru Gobind Singh College, Sector 26, Chandigarh on 03-06-2020.
- Participated in HG Webinar SERIES on “Perspectives and Prospects of ‘OMICS’ approaches in health and disease” organized by Department cum National Centre for Human Genome Studies and Research, PU Chandigarh on June 01-04, 2020.
- Participated in International Webinar on “Material Science” organized by Association of Chemistry Teachers (ACT) Mumbai in *collaboration* with Department of Chemistry, Madhav

Science Post Graduate College, Ujjain, India and Department of Chemistry, Kamla Nehru Mahavidyalaya, Nagpur, India on 09-06-2020.

- Participated in National Webinar on “Designing New Chiral Molecules for Asymmetric Organocatalysis” organized by V.O Chidambaram College, Thoothukudi, Solan on 11-06-2020.
- Participated in National Webinar on “Stereo Chemistry” organized by D.A.V College, Abohar on 16-06-2020.
- Participated in three day Webinar on “New-Age Tools for Teaching Online” organized by Academisthan, Mumbai on June 28-30, 2020.
- Participated in online National Workshop on “Google Apps for Education & Moodle” organized by Rajaram College, Kolhapur, Maharashtra on July 2-3, 2020.
- Attended One Week International Workshop on Nano Materials Modelling Using Machine Learning and SIESTA (NMM-2023) organized by Govt. P.G. College Bilaspur, Himachal Pradesh, India in collaboration with Indian Association of Physics Teachers (IAPT) April 14-19, 2023.
- Presented a paper entitled “Theoretical Study of AIP using Density Functional Theory” in Recent Innovations in Science, Engineering, Management and Humanities RISEMH-2023 organized by JS University, Manipuri Road, Shikohabad, Firozabad (U.P) on 16-12-2023.
- Presented a paper entitled “DFT Study of Structural and Electronic Properties of Pure AlAs in Zinc Blende Phase” in Recent Innovations in Science, Engineering, Management and Humanities in Recent Innovations in Science, Engineering, Management and Humanities RISEMH-2023 organized by JS University, Manipuri Road, Shikohabad, Firozabad (U.P) on 16-12-2023.
- Presented a paper entitled “Ab-Initio study of ScN using Density Functional Theory” in Zinc Blende Phase” in Recent Innovations in Science, Engineering, Management and Humanities in Recent Innovations in Science, Engineering, Management and Humanities RISEMH-2023 organized by JS University, Manipuri Road, Shikohabad, Firozabad (U.P) on 16-12-2023.
- Presented a paper entitled “Structural and Magnetic properties of $\text{Al}_{0.75}\text{Cr}_{0.25}\text{As}$: DFT Study” in National Conference Materials and Devices organized by Teerthanker Mahaveer University Moradabad on 29-12-2023.
- Presented a paper entitled “DFT Study of Fe doped GaP using SIESTA” in 3rd International Multidisciplinary Conference Recent Innovations in Science, Engineering, Management and Humanities (RISEMH -2024) organized by JS University, Manipuri Road, Shikohabad, Firozabad (U.P) on 26-10-2024.
- Presented a paper entitled “Nanomaterials: A Boon for Our Environment” in 3rd International

Multidisciplinary Conference Recent Innovations in Science, Engineering, Management and Humanities (RISEMH -2024) organized by JS University, Manipuri Road, Shikohabad, Firozabad (U.P) on 26-10-2024.

- Presented a paper entitled “Nanotechnology and its applications in different fields- A review” in 3rd International Multidisciplinary Conference Recent Innovations in Science, Engineering, Management and Humanities (RISEMH -2024) organized by JS University, Manipuri Road, Shikohabad, Firozabad (U.P) on 26-10-2024.

Special Talks and Invited Lectures

- Delivered expert lecture entitled “Structural Stability and Ferromagnetism in $\text{Ga}_{0.875}\text{Cr}_{0.125}\text{P}$: DFT Study” in International Conference Recent Trends in Materials Science and Devices 2023 organized by Kabir Institute of Technology & Management Bahadurgarh, Haryana, India on 31-12-2023.
- Delivered a special talk on the topic ‘Coordination Chemistry’ in the scheme ICAR-I (part-E) National/International competitions languages and personality development through online/virtual mode under scheme “Stg & Development of higher Agricultural Education in India” organized by Institute of Agriculture, Bathinda on 26.03.2022.
- Delivered a talk on “Organic Farming: Mushroom Cultivation” at Baba Nand Singh Sen. Sec. Model school, Harike Kalan on 12.02.2020.

Administrative Work:

- Head of Department of Chemistry
- Incharge, Admission Committee B.Sc. I Non Medical
- Incharge of Tutorial group of B.Sc. III NM
- Member of Extension Activities Committee of college
- Member of Student Grievances Redressal Cell of college
- Member of Cleanliness Committee of college
- Acted as member of NAAC Team of College
- Acted as Incharge Student Attendance Record Committee of College
- Acted as Incharge, Internal Complaint Committee of College (Women Anti-harassment Cell) College till
- Acted as Incharge Legal Literacy Club of College
- Acted as Member of Research Committee of College
- Acted as Incharge/CTO, Naval NCC Unit of College
- Acted as member of UBA committee

- Acted as member of AQAR report writing committee
- Acted as member of publicity committee
- Acted as member of college RTI committee
- Acted as member of college canteen committee
- Acted as Block Incharge/supervisor
- Acted as Incharge Departmental House Examination Committee
- Acted as Incharge of Departmental Profile committee
- Acted as Incharge of Departmental website updations
- Acted as member of Departmental AQAR committee
- Acted as Stationery Incharge: PU, Zonal Youth Festival 2019
- Acted as member of invitation committee of SciKala Utsav-2022.
- Acted as member of Scholarship Test-2023

Languages Known

- Punjabi, English, Hindi

Software Knowledge

- Text Formatting and office computing: MS Office, Libre Office
- Computing platforms: Linux-Ubuntu, Windows
- Programming Languages: Fortran, C Language
- Theoretical software package: SIESTA, Avogadro, WIEN2K