

**MIRANDA HOUSE, UNIVERSITY OF DELHI
DELHI 110 007**

ANNUAL REPORT 2020-2021

Major activities and achievements:

Miranda House was awarded All India Rank One amongst colleges under the National Institutional Ranking Framework (NIRF) 2020 for the fourth consecutive year. It was also ranked amongst the top five colleges in the Science Stream and Arts & Humanities Stream in the India Today Best College Survey 2020. This strengthened its reputation as a college accredited with A+ by NAAC and granted the Star College status by the Department of Biotechnology. Established on 7 March 1948, the college celebrated seven decades of sustained excellence. Policy Centre & Gender Lab (PCGL) organized action research programme related to the pandemic and its impact on women and girls; Online certificate courses emphasizing on social work and community health titled (Community Outreach Programme: *Together We Can*) organized by Unnat Bharat Abhiyaan Cell of the college; IQAC organized a significant conference on “*Challenges and Opportunities of Online Education during the Global Pandemic COVID 19*” with eminent scientists and policy makers including Dr. Vinay Sahasrabudde, MP Rajya Sabha, Dr. Pankaj Mittal, Secretary General, Association of Indian Universities, Dr. Narasimhan Subramanian, Director, Apollo Hospital, Regional Advisor South East Asia, WHO, Dr. Rajesh Mehta. The College won the Vice Chancellor’s Cup at the 63rd Annual Flower Show and swept seven other awards consecutively for the fourth year.

Honours/ Distinctions:

Dr. Bijayalaxmi Nanda and Dr. Hena Singh were felicitated by the Ministry of External Affairs on the occasion of International Women Day, 8 March 2021.

Dr. C. Suvasini was appointed as Associate Research Fellow at Centre for International Education, University of Sussex, December 2020.

Dr. Bhupinder Kaur, Best Presentation Award ‘Farm Business Income and Net Household Income of Farmer Households in Punjab-A Comparative Study’ organized jointly by Department of Economics, Punjabi University, Patiala and Punjab Agriculture University (PAU), Ludhiana on 22 June 2020.

Dr. Smriti Sharma received best oral presentation award at ‘International conference on molecular structure and instrumental approaches’, sponsored by Gujarat council of Science and Technology, Government of Gujarat at RK University, Rajkot Gujarat-India held from 26-27 November 2020.

Dr. Poonam was recognized as Adjunct-Assistant Professor, Department of Medicine, Loyola University Medical Centre, Health Sciences Division, Chicago, IL- 60153, USA. 1 May 2019 – 2 February 2021.

Dr. Poonam was recognized as Adjunct-Visiting Senior Researcher, Laboratory of Computational Modelling of Drugs, South Ural State University, Chelyabinsk, Russia-454080. July 2018 - December 2020.

Students with Distinctions (Selected few)

Tanya Jain, B.A. Programme III Year, secured I position in the University.

Deepakshi, B.Sc. (Honours) Physics III Year, secured I position in the University.

Akasmika Priyadarsini, B.Sc. (H) Zoology III Year, secured I position in the University.

PreetilataPati, B.A. (Honours) Bengali III Year, secured II position in the University.

Aditi Arora, M.Sc. (F) Chemistry, secured II position in the University.

Smriti Barnnali, B.A. (Honours) Philosophy III Year, secured III position in the University.

Divya Joshi, B.Sc. (Honours) Mathematics III Year, secured III position in the University.

Reeya Arora, M.Sc. (F) Botany, secured III position in the University.

Publications (Selected few)

Publications: 120 Journals, Books 06

Nanda, B., Ray, N. (2020). Gender discrimination and sex-ratio imbalance: A qualitative analysis. Indian Journal of Community Health, 32 (4), 746-750.

Devi, S., Tyagi, A., Prasad, V. (2020). Thermal behaviour of hindered rotor in static electric and laser field. SpectrochimicaActa - Part A: Molecular and Biomolecular Spectroscopy, 240, 118538.

Jain, S., Paliwal, A., Gupta, V., **Tomar, M.** (2020). Refractive index tuning of SiO₂ for Long Range Surface Plasmon Resonance based biosensor. Biosensors and Bioelectronics, 168, 112508.

Kumar, D., Jain, D., Mahajan, S., Mukherjee, A., **Rani, N.** (2021). Constraining cosmological and galaxy parameters using strong gravitational lensing systems. Physical Review D, 103 (6), 063511.

Kumar, S., Goicoechea, S., Kumar, S., Pearce, C.M., Durvasula, R., Kempaiah, P., Rathi, B., & **Poonam** (2020). Oseltamivir analogs with potent anti-influenza virus activity. Drug Discovery Today, 25 (8), 1389-1402.

Kumar, S., Sharma, P.P., Shankar, U., Kumar, D., Joshi, S.K., Pena, L., Durvasula, R., Kumar, A., Kempaiah, P., **Poonam**, Rathi, B. (2020). Discovery of New Hydroxyethylamine Analogs against 3CL^{pro}Protein Target of SARS-CoV-2: Molecular Docking, Molecular Dynamics Simulation, and Structure-Activity Relationship Studies. Journal of Chemical Information and Modeling, 60 (12), 5754-5770.

Sharma, D., Singh, A., **Pathak, M.**, Kaur, L., Kumar, V., Roy, B.G., Ojha, H.(2020). DNA binding and antiradical potential of ethyl pyruvate: Key to the DNA radioprotection. Chemico-Biological Interactions, 332, 109313.

Singh, P. (2021). Politics of Knowledge in Development: Explorations in Seed Sovereignty. Studies in Indian Politics, 9 (1), 105-117.

Sharma, S., Bhatia, V.(2021). Nanoscale Drug Delivery Systems for Glaucoma: Experimental and In Silico Advances. Current topics in medicinal chemistry, 21 (2), 115-125.

Uma, S., **Pal, M.**(2021). All work, no pay on valuing women's housework. Economic and Political Weekly, 56 (17), 31-34

Journals/ Magazines Published by the College

Each department brings out its own creative journal/ magazine that has an Editorial Board with adequate representation of students and faculty. These include well researched contributed as well as invited articles, papers and news items. These are:

Pehchan, Department of Hindi
Aapoorti, Department of Economics
Geographica, Department of Geography
Mulakhab, Department of History
Vox Populi, Department of Political Science
Light House, Department of Sociology
Dimensions, Department of Physics
Miranda, the College Magazine
The Guidepost, Placement Cell
M.Etch, Department of English

Rasayani, Department of Chemistry
Adazine, Department of Computer Science
Evolvere – the Unfolding, Department of Zoology
Quisqualis, Department of Botany
Vignite, Society for Life Sciences Programme
Mathletics, Department of Mathematics
Grimoire, the Hostel Magazine
Santulan, The Consumer Club
Madhuban, MH Vatavaran

Research Projects

Projects: 12 ongoing with total grants of about Rs. 8Crore (Rs.822.88 lakh).

Dr. Monika Tomar. Fabrication of Lamb Wave Devices on SiO₂/Si Membrane for strategic applications; DRDO; March 2019-2022; Rs. 428.03 Lakh.

Dr. Monika Sharma, Dr. Sadhna Sharma. A study of macrophage apoptosis and mitochondrial integrity in response to PE/PE_PGRS family proteins of Mycobacterium tuberculosis; DST; March 2018-2021; Rs. 68.37 Lakh.

Dr. Poonam. Development of Nanoantenna Sensors for Infrared Detection; DST; (2019-2021); Rs. 63 Lakh.

Dr. Monika Tomar. Realization of MEMS-based Dual Energy Harvester using ferroelectric and ferromagnetic thin film layered structures; DST; (2019-2022); Rs. 51.48 Lakh.

Dr. Poonam. Sustainable route for pesticide management using nano based efficient pesticide formulation technique to enhance crop productivity; DST; 2019-2021; Rs. 49.5 Lakh.

Dr. Poonam. Lead Optimization of Potent Multistage Antimalarials; DST-SER; (2020-2023); Rs. 46.5 Lakh.

Dr. Monika Tomar. Fabrication of Laser MBE grown GaN thin films based blue Light Emitting Diodes (LED); Faculty Research Program Grant, IoE, University of Delhi; December 2020-March 2021; Rs. 5.0 Lakh.

Dr. Hena Singh. Sexual Violence Along the War and Peace Continuum; School of Global Studies, University of Gothenburg, Sweden; (2020-2023); Rs. 60 Lakh.

Dr. Hena Singh. Comparative research and consolidation project on understanding the impact of COVID 19 on sexual violence and post-rape care services on the adverse health effects of sexual and gender-based violence (SGBV) across contexts in Kenya and India; Instituted at the Institute of Advanced Studies at the University of Birmingham; (2020-2022); Rs.20 Lakh.

Dr. Hena Singh. Addressing Sexual Assault and Harassment of women when travelling in India; Instituted and Funded by Gender and Inequality Research strand of the Institute of Advanced studies at the University of Birmingham UK; (2019-2020); Rs. 8 Lakh.

Dr. Bijayalaxmi Nanda, PD, 'Declining Child Sex Ratio and Violence Against Women: Examining Girl-Child Discrimination in India'; ICSSR - CSDS; 2018-2020; Rs. 15 Lakh.

Dr. Kalawati Saini. Air Quality of Surrounded area affected by presence of pollutants in Nala Passing through Kingsway Camp behind Sri Guru Tegh Bahadur Khalsa College, University of Delhi; DBT sponsored; 2018-2020; Rs. 8.0 Lakh.

Patent Filed/ Granted

National Patent: 05

Indian Patent (Published on 27 August 2020): A novel highly sensitive and reliable LRSPR biosensor for detecting uric acid and fabrication thereof, Vinay Gupta, Monika Tomar, Ayushi Paliwal, and Surbhi Jain. (Application No. 201911006783).

Indian Patent (Published on 27 August 2020): Electric field assisted low power consuming conducto-metric gas sensor, Vinay Gupta, Monika Tomar, Anjali Sharma, and Avneet Singh. (Application No. 201811006329).

Indian Patent (filed on December 29, 2020): Hydroxyethyl amine based piperazine compounds and methods of producing and using the same for treating disease; Brijesh Rathi Prakasha Kempaiah, Agam P. Singh, Snigdha Singh, Yash Gupta, Neha Sharma, Poonam, Ravi Durvasula. (Application No. 202011056923).

Indian Patent (Applied): SPR based DNA biosensor for the detection of Puccinia striiformis f. tritici, causal agent of yellow rust in wheat, Neelam R. Yadav, Rizwana Rehsawla, Surbhi Jain, Savita Sharma, Monika Tomar, Vinay Gupta. (Application No.- TEMP/E-1/24707/2020-DEL and Reference No. 202011022741).

Indian Patent (Applied): Electrochemical based genosensor for the detection of *Puccinia striiformis f. tritici*, causal agent of yellow rust in wheat, Rizwana Rehsawla, Neelam R. Yadav, Nidhi Dhull, Savita Sharma, Monika Tomar, Vinay Gupta. (Application No.- TEMP/E-1/30053/2020-DEL and Reference No. 202011027298).

Seminars Organized (Selected few)

More than 168 lecture seminars/ webinars/ workshops were organized including about 14 International speakers.

Department of Chemistry organized a webinar on the topic 'Chemistry – the Catalyst for Change ' The inspiring lectures were delivered by Dr Jyoti Marwah , Dr N Kaushik , Prof. Ramesh Gardas and Dr Phalguni Rath on diverse topics ranging from science as a tool for empowering communities, plasma bioscience and medicine, ionic liquids as environmentally benign solvents and *CRISPR* mediated gene splicing.

Online Add-on Legal Literacy Course organized by Department of Political Science in collaboration with Delhi State Legal Services Authority (DLSA) through 10 sessions inviting eminent personalities as Sh. Gautam Manan, Ms. Namrita Aggarwal, Dr. K. B. Rai, Sh. Harjeet Singh Jaspal, Ms. Monica Saroha, Sh. Ritesh Kumar, Sh. Vinod Kumar Meena, Sh. Sumeet Anand, and Ms. Neeti Suri Mishra. (all national speakers).

Department of Zoology organized the lecture on topic "The identification of poisonous and non-poisonous snakes, bite treatment and its conservation efforts" by Dr. Ashish Tripathi (President, International Association of Zoologists). He shared his insights on the diverse assemblage of snakes found in India, most of them being non-poisonous. The identification of common poisonous snakes of India like Cobra, Krait, Russel's and Saw scaled viper was also shared with the students.

Department of Economics organized Zenith, the Annual Economic Conclave with four eminent speakers: P. Sainath, Prof. R. Ramakumar, Prof. Jayati Ghosh, and Prof. Richard Wolff.

The Department of Computer science celebrated Ada Lovelace Day by organizing a Fire Side Chat with Ms. Vandana Agarwal, who is currently working as Sr Data Governance Leader at Sony PlayStation in San Francisco Bay Area. She is an ex-faculty Miranda House (1990-1993). The Chat was titled *Discovering Knowledge from Enterprise Data Sources*. A Coding Competition was also organised to enthuse the students after the chat.

Department of Philosophy organized a webinar on World Philosophy Day (19 November 2020) with Dr. Raghawendra Pratap Singh and Dr. Anand Jayaprakash Vaidya (national & international speaker respectively).

Department of Geography organized a webinar on "Tourism and Rural Development" on World Tourism Day (27 September 2020) organized by Department of Geography with Mr. Mohd. Arman from Jamia Milia Islamia University invited as eminent speaker.

Department of Geography organized a national web colloquium on "Covid-19 Vaccination and Disaster Resilience - Demystifying fears" in collaboration with the National Institute of Disaster Management, Ministry of Home Affairs, GoI on 22 January 2021 with participation from more than 40 Professors and 300 Students all over the country.

Department of Political Science organized a national webinar on "Identity of Diversity and Inclusivity Rights" on 22 October 2020 with Prof Ashok Acharya & Prof Asha Hans (both national speakers).

Conferences organized (Selected few)

Virtual Conference *Chemistry - the Catalyst for Change*; 19-20 February 2021; organized by Department of Chemistry.

International Conference/ Webinar on *Empowering Diversity in Science*; 12 February 2021; GWB - IUPAC 2021; Department of Chemistry.

Policy Conclave 2021 *Policy Jenga - Deconstructing the Indian Public Policies*; 6 April 2021; organized by Department of Political Science.

Triumphs in Physiology: A Conference/ Colloquium series on the *Nobel Prize Winners in Physiology and Medicine* and their work that changed humanity; September-October, 2020; organized by Department of Zoology.

Web colloquium on *COVID-19 Vaccination and Disaster Resilience- Demystifying fears*; 22 January 2021; collaboration with the National Institute of Disaster Management, Ministry of Home Affairs, Govt. of India; organized by Department of Geography.

Online conference / Colloquium on *Recent Breakthrough in Ecological Concepts and Principles*; February 8 and 10, 2021; organized by Department of Zoology, Miranda House under the aegis of IQAC.

Seminar /Conferences Presentations (Selected few)

Dr. Bijayalaxmi Nanda, Department of Political Science, invited panelist on the Theme: Covid-19 How to Safeguard the Health and Rights of Women and Girls Now? Organized by Institute of Economic Growth (IEG) in collaboration with the Indian Association for the Study of Population (IASP) is hosting a webinar event for World Population Day, 11 July 2020.

Dr. Bijayalaxmi Nanda, Department of Political Science, invited talk, "Reconceptualising Sexual Harassment with the rise of the virtual workplace". In the webinar "Online spaces and harassment of Women" organized by Indian Institute of Technology (IIT) Bhubaneswar on Fri 03 July 2020.

Dr. Reema Bhatia, Department of Sociology, presented, 'Feminist Movements' on 1 March 2021, as an invited speaker at the 13th Indo-Dutch Collaborative Program jointly organised by Miranda House and the Hogeschool University of Applied Sciences, Utrecht, The Netherlands.

Dr. Kannojiya Reena, Department of Philosophy participated in an International Webinar on "Transforming and Repackaging Library Services During Covid-19 Pandemic", organized by Springer Nature and Delhi University Library College Forum on 14 August 2020 (international).

Dr. Namrata Singh, Department of Political Science, presented a paper on Gender and Disaster: Policy Interventions, Faculty Development Programme on 'on Gendered Contours of the Pandemic: Reinventing Public Policy and Leadership Transformation During Pandemic in collaboration with P.G. Department of Gender Studies and Sarala Devi Centre for Gender Research, Rama Devi Women's University In collaboration with Policy Centre and Gender Lab of Miranda House, University of Delhi, 26 August 2020 (national).

Dr. Reema Bhatia, Department of Sociology, presented paper in a National webinar on "Feminist Movements" as an invited speaker at the 13th Indo-Dutch Program on 1st March, 2021 (national).

Dr. Bhupinder, Department of Economics, presented paper on " Farm business income and net household income of farmer households in Punjab: A comparative study" presented in the 6th National Seminar (WEBINAR) organized jointly by the Department of Economics, Punjabi University, Patiala and The Society of Economics and Development, Ludhiana on 22 June 2020.

Dr. Sadhna Sharma, Department of Zoology, Delivered a talk on, "Principles, Tools and Techniques for Effective Research Report Writing" in Workshop - cum - Training Program on "Proposal writing and Ethical issues in Biomedical Research" at VPCI on 11 March, 2021.

Dr. Anindita Sarkar, Department of Geography, presented a paper on 'Commercialization of Water and Shift from Traditional to Modern Technologies: Evidence from Water Insecure Western Rajasthan', in the International Conference on "Exploring the Application of Solidarity Approach in Geography", University of Delhi, 05-06 April 2021. Received best paper presentation award for it.

National/ International MoUs

International: These include MoUs with Hoge School Utrecht University of Applied Sciences the Netherlands; Lynchburg College, USA; University of Birmingham, Ontario University, University of Wisconsin.

National: These include MoUs with Rama Devi Women's University, Bhubaneswar, Odisha; Use google apps for education; Weekendr (Mobiquel); Dhananjayrao Gadgil College of Commerce, Satara, Maharashtra.

Other Inter-Institutional Collaborations

Miranda House has linkages with a vast network of academic institutions, social organisations; corporate entities and eminent citizens at large. This year college hosted those from Institutions cited above. The college initiated the prestigious Vidya Vistaar scheme of the University of Delhi by its Memorandum of Understanding with Government Girls' College, Ajmer, Rajasthan.

Students under Exchange Programmes

International programme organized in collaboration with HU Work Institute Utrecht, University of Applied Sciences, Utrecht, The Netherlands. 13th Indo-Dutch collaborative programme organized from 22 February – 25 March 2021 on the theme *Diversity and Cultural Contexts*. 15 students from across all disciplines taught at Miranda House were selected to attend.

Placement Details

Miranda House Placement Cell had a very active and fruitful year. Companies which include DE Shaw Co., TresVista, NIIT, Dell Tech, Accenture, Nation with Namo, Kaidoko, etched a recruitment drive; more than 400 students appeared for the process, 20 students were finally deemed to be placed through the Miranda House Placement Cell. More than 150 students bagged internship programs in 600+ companies which include Youth Delhi Foundation, Skill Arena Technologies, Ego Paathshala and more. The Placement Cell managed to bring a total of 37 internships to the student community of Miranda House. The Placement Cell, Miranda House, organised the Education and Career Fair in a virtual mode. About 30+ companies like Daurcom, EatMyNews, Mahika Mishra Foundation and 1000+ students across India to come together to explore professional aspirations.

Extension and Outreach activities

Miranda House encourages all students to participate in extension work, community engagement and outreach.

Policy Centre and Gender Lab (PCGL): The efforts of Policy Centre & Gender Lab (PCGL) are oriented towards generating awareness on gender issues and conducting research on policy and gender interconnections. The lab launched research infographics on "mental health challenges and mitigation". PCGL presents Myths and Facts on "International Day Of Girl Child" in a series Women And Poverty of five vibrant, informative posters on the various social media. Policy Centre and Gender Lab in partnership with Her-World and Curious For Law organised a webinar - How law protects women? The PCGL and Her-World India initiated a series of Saturday talks highlighting gender issues associated with health, education and other relevant matters.

Unnat Bharat Abhiyan: The Unnat Bharat Abhiyan (UBA), a flagship program of MHRD, Government of India, with IIT Delhi as the National Coordinator, envisages participating institutes to adopt five villages and draw up a plan of action termed village development plan (VDP). UBA cell conducted an online certificate course on 'Community Outreach Program: *Together we can*'. Webinar was organized on National Education Policy 2020: beginning of a new era in education. A workshop was conducted on Science communication to non scientific communities, art of story-telling in science.

Clean Environment Drive: SwachtaPakwada was conducted with the main goal of spreading the awareness for cleaner tomorrow and encouraging people to inculcate efficient environment friendly lifestyles. The program included various events like swachta pledge, domestic waste segregation, composting, plantation drive, cleanliness drive (inside the house), plog run, etc.

MH Vatavaran: MH *Vatavaran* has been collaborating with WWF for *Project ECHO* (Environment Conservation Heroes). The team launched a competition named '*Old is Gold*' with an aim to revive traditional eco-friendly recipes. *Walkathon* conducted in collaboration with HPCL. The participants walked from the college campus to the HPCL Petrol Pump at Khyber Pass. Realizing that 'cleaner fuels' is a goal and that the future is electric cars, HPCL is setting up electric charging ports at their petrol pumps.

SPIC MACAY: The society organised a Sarva Mangal Yoga Series was organized by Spic Macay National Chapter. The Kathak workshop with Smt. Gauri Diwakar Ji was moderated by Vanshika Singh. VIRASAT'21 organized a Talk Session with Mr. Sanchayan Ghosh on the topic - Installation Art: Conversations around Site, Memory, Ephemerality and Virtual Heritage Walk to the National Gallery of Modern Art.

Laskshita, the Enabling Society: The Enabling Unit organised an inspiring and motivational session on the topic 'Chunautiyaaur Nayi Rahein' / 'Challenges and New Ways'. A two-day webinar on 'Opportunities in Higher Education & Tackling Challenges at Workplace' was conducted in collaboration with the Mitra Jyothi Trust, Bangalore. A three-day workshop was conducted on the theme of 'Disability & Sexuality' organized in collaboration with Rising Flame.

TULA: TULA-Miranda House Consumer Club commenced this Academic year with all the enthusiasm to spread the word of consumerism around. TULA, which stands strong with its values and determination, The Vigilance Awareness Week Programme was conducted by TULA-MHCC in collaboration with the Department of Political Science. TULA conducted the 16th 'Annual Workshop on Consumer Affairs'. Celebrated National Consumers Day on the 24th December 2020.

Women Development Cell: The society organized a series titled 'Education: How much of an equaliser?'; A workshop was organized on financial literacy for women; an online photography exhibition was organized on the theme- Gender and Pandemic. A webinar titled "Gendering the Digital Domain" was organized to understand the role of patriarchy in the virtual world.

Miranda's Green Initiatives and Actions (MGIA) is an initiative taken by the Department of Geography in collaboration with UNEP- nudges, which adopts green nudging as a strategy to spark sustainable behavior on the college campus. This initiative aims to bring behavioral change to the Miranda community by switching to green habits.

Library Development

The total sanctioned Library Budget was Rs. 21,36,900/-for the year 2020-21. In the academic year 2020-2021, 761 volumes of books were added.

Faculty Strength

Permanent: 126, Temporary: 02, Ad hoc: 66

Financial Allocation and Utilization

Grant sanction in 2020-21: ~ Rs. 58Crore (Rs. 58,85,00,000)

Utilization 2020-21: ~ Rs. 58Crore (Rs. 58,85,00,000)

Other Significant Information

No. of faculty who are Ph.D. guides is 16; students registered for Ph.D. under them is 25. This promotes research culture. Students have been selected for internships in the best institutes. More than 350 students involved in student research projects. Summer Workshops for Undergraduate Science Students, Flavour of Research: Investigative Projects in Multidisciplinary Contexts. More than 400 students participated in these DSKC workshops and carried out projects in interdisciplinary fields.

Books written by faculty

Sahu, S. 2020. Gender, Violence, and Governmentality: Legal and Policy Initiatives in India, Taylor & Francis Group, Routledge, ISBN 9780815351092, 0815351097.

Bhatia, Reema 2021. Gender: A Sociological Understanding, Pearson India Education Services Pvt. Ltd., Noida.

Mehta, K. 2021. Social Media- Virtual se Vastvik, Setu prakashan, ISBN 978-93-89830-63-7.

Jagannathan, B. 2021. *A Spoonful of Curds*, Harper Collins Publishers India.

Sengupta S. 2021. *Mutating Goddesses: Bengal's Laukika Hinduism and Gender Rights*, Oxford University Press India, ISBN: 9780190124106

Faculty Development Programme

One week online Interdisciplinary faculty development program on "Applications of Mathematics in Business and Social sciences" We invited speakers from different disciplines such as Geography, political science, Mathematics, Commerce, Economics. Participants were the faculties in different disciplines from all over India.

One week national online Faculty Development Program on 'Application of ICT in Teaching and Chemical research' organized by jointly organized by Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College,

University of Delhi under the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNTT) of MHRD and National Education Society(R) Jawaharlal Nehru New College of Engineering, Shivamogga.

Faculty Development Programme on ‘Gendered Contours of the Pandemic: Reinventing Public Policy and Leadership Transformation During Pandemic in collaboration with P.G. Department of Gender Studies and Sarala Devi Centre for Gender Research, Rama Devi Women’s University In collaboration with Policy Centre and Gender Lab of Miranda House, University of Delhi.