

Criteria VII

7.3.1 Institutional Distinctiveness

Innovative Pedagogy of Developing Research Culture at Undergraduate Level

While maintaining a balance between teaching and research and emphasizing multidisciplinary learning approach, College is promoting research at under-graduate level by yearly allocating some seed money to research projects involving faculty as principal investigators and students as trainee investigators. While following the University approved syllabus in all disciplines, faculty and students are encouraged to search and learn new developments in their respective disciplines, review literature, field & market study, hands-on experiences, practical knowledge, sustainable environmental awareness, innovative research, medical health, etc.

In 2018-19, total 45 Research Projects were allocated of which 36 projects were **Discipline Centred** covering: Environmental Awareness in Micro and Small Enterprises (Services) of Karol Bagh Commercial Area; Women Entrepreneurship; Financial Literacy: A Study of University of Delhi; Economics of Happiness; Gender Wage Differentials; Structural Reforms and Health Equity; Masculinization through the genre of the bildungsroman; Politics of banning of a tribal (Santhal) Text; Young Emotions; Non-Heteronormative Experiences; Women in the Adapted Versions of Marchen; Empowering Women in Delhi/Urban Slums through digital literacy; Health Care Management Information System; Impact of Pollution on Historical Monuments; *Sufi Sangeet Evam Sahitya*; Political Participation of Dalit Women; Accessibility of Right to Information Act 2005; Women's Health and Nutrition; Process Management of Plastic Products; Mathematica Modelling of Air Pollutants; Subject Assignment Using Mathematical Programming; Green Synthesis of Gold Nanoparticles from Leaf Extract of *Rhoeo Discolor* and Study its Antimicrobial Properties; Documentation and Identification of Pollens Found in Kalindi College; Educational Exposition of Bottle Vertical Garden System; Urban Green Spaces with potential Carbon Stock; Reinvigorate the Butterfly Conservatory; Analysing Real World Relationships through Network Analysis; Online Transaction Security Issues in MANET; Fresnel's equations for reflection of electromagnetic waves; Optical Characterization of Semiconductor based Light Sources and their Applications; Investigation of Adulteration in Milk using Surface Plasmon Resonance; Research Methodology for Physics Research; Empowering EWS Students of Kalindi College through Screen Printing Literacy; and Placement Portal Kalindi College.

09 projects were of **inter-disciplinary** nature covering wide range of subjects including Sustainable Waste Management Practices in Higher Educational Institutes, Impact of GST on Commerce and Industry, Cinematic Representation of Women in Popular Period Films of Bollywood, History of Education System in India, Employing Mathematical Methods and Techniques for Solution of Problems in Physics, Vedic Mathematics, Modeling for the Future Flood Vulnerability and Risk Assessment Analysis, Ayurveda: The Alternative System of Time Tested Medicine, and Strategy for Students Success through Medical Diagnostics

External experts are invited for monitoring and accountability of and transparency in research projects. Faculty is being encouraged to search for sponsors and funding for better quality research in future. The objective of this ongoing undergraduate research is to augment academic research, actionable programme, extension and community outreach activities and outline a roadmap for future innovations.