

Centre for Research

Maitreyi College, University of Delhi

Summer Internship Programme, 2021-22

List of Project Proposals Selected for the SIP-2022

Botany Department

1. Efficacy of Seed Priming Technology on Promotion of Seed Germination and Plant Growth Under Abiotic Stress in *Vigna radiata* and *Oryza sativa*
2. Qualitative and quantitative analysis of plant pigment anthocyanins from selected flowering plants and their stabilization using organic molecules

Chemistry Department

1. Fabricated natural hydrogels and their potential for agricultural applications
2. Exploring the role of structurally engineered nano-sized sustainable materials for remediation of contaminated water samples”

Commerce Department

1. Influencer Marketing: an effective marketing tool for the Indian GenZ market

Computer Department

1. Credibility Analysis of Information on Social Media Platforms using Machine Learning
2. Trend of Online Degree Courses in India: Challenges, Issues and Opportunities
3. Cybercrime in India: An Analysis of Crime against Women in ever Expanding Digital Space
4. Analysis of Toxic Social Media Text using Deep Learning Techniques
5. Sentiment Analysis Of Indian Tweets During Covid-19

Economics Department

1. Impact Of Artificial Intelligence On The Indian Economy And A Case Study Of China
2. The Impact of Women in Leadership

Mathematics Department

1. An Analysis with Mathematical Approach - Major reasons behind the Crisis of Yes Bank from the Indian Stock Market
2. Blockchain in Research

Physics Department

1. Optimization of Solar Power for Automatic Control using Sensors
2. Electromagnetics of SERS Tailored with SPR using Anisotropic Nanoparticle System near a cancer molecule: A First Principle Account
3. Quantum computing: Principles, Applications and Developing of Quantum Tools
4. Growth and Characterization of Piezoelectric Single Crystals and Study of its Electrical Properties
5. Battery Capacity: Measurement and Analysis
6. To design and build a portable Gaussmeter

Sociology Department

1. Study the impact of the Polycystic Ovarian Syndrome (PCOS) on quality of life of affected women in India
2. Gendered Violence: A Sociological Inquiry Into Attitudes And Awareness To Understand Discrepancies Between Theory And Practices Of Legal Discourse

Zoology Department

1. Exploring knowledge, attitude and practice of contraception among women: A novel approach towards attaining reproductive health
2. Consistent occurrence of loss of hair due to SARS-CoV-2 infection and after vaccination

Interdisciplinary

1. Cryptocurrency - A New Frontier of Financial Technology

s/d

Prof. Haritma Chopra

Offg. Principal and Coordinator (CFR)