



SOPHIA COLLEGE (Autonomous), AJMER

PROJECTS UNDERTAKEN BY STAFF (MINOR/MAJOR)

S.No	Principal Investigator	Department	Title	Sponsoring Agency	Year of Sanction
1	Ms Maria I.C. D'Souza (Sr. Francetta) (Minor Project)	Botany	"Amphibious habit with particular reference to Land & Water forms in Marsilea"	UGC	1992
2	Dr. Sandhya Raina (Minor Project)	Sociology	"Impact of Tourist on Society" A case study on Jaipur, Ajmer and Pushkar."	UGC	1996
3	Dr. Jyoti Chandel (Minor Project)	Political Sc.	"The concept of state in the Mahabharata"	UGC	1997
4	Dr. Sr. Francetta D'Souza (Minor Project)	Botany	"Investigations of the flora of Central Aravallis with special reference to ethno-medicobotanical and ecological studies"	UGC	1999
5	Mrs. Sangeeta Samant (Minor Project)	Home Science	"A survey of the various re-primary preschools (re-primary) of Ajmer City (Raj)	UGC	1999
6	Ms. Devandar Kaur (Minor Project)	History	"Families in Ajmer-Merwara during colonial period & their social & economic impacts"	UGC	2001

7	Dr. Aradhana Saxena (Minor Project)	Home Science	“A Comparative and a longitudinal study of premature and normal infants with regard to their Motor, Cognitive, Social and Personality Development for the first six years: Effect of Parental attitude on these children”	UGC	2001
8	Dr. Sandhya Raina (Minor Project)	Sociology	“Migration of Kashmiri Pandits Socio economic impacts & assessment in Rajasthan”	UGC	2002
9	Dr. Uma Joshi (Minor Project)	Psychology	“Life skill education through bed time stories: A study of children”	UGC	2006
10	Dr. Monika Kannan (Minor Project)	Geography	“Role of Rural Irrigation Techniques and Water Recharge in the Development of Rajasthan (With Special reference to Ajmer District)”	UGC	2015
11	Dr. Atiq Kelsy (Minor Project)	English	“Travelling along Indus: Narration and History”	UGC	2015
12	Mrs. Geetika Yadav (Minor Project)	Sociology	“The Total Way of Life of ‘Chomos’ – the Zangskar Nuns (A Sociological Perspective towards the different dimensions of Karsha, a nunnery particular to conventional Buddhist monasteries of Zangskar in Himalayan Valley near southern part of Kargil in Jammu and Kashmir)”	UGC	2015
13	Mrs. Mriganka Upadhaya (Minor Project)	Zoology	“Assessment of Avian Diversity of certain Satellite Wetlands of Central Aravalli Mountains Ranges, Ajmer (Rajasthan)”	UGC	2016

14	Mrs. Sunita Siyal (Minor Project)	Hindi	“Nari Uthan me Jain Sahitya Ki Bhumika”	UGC	2016
15	Mrs. Asha Sharma (Minor Project)	Psychology	“The relationship between Altruism and Emotional, Spiritual Intelligence amongst youth of Ajmer City”	UGC	2017
16	Dr. Monika Kannan (Major Project)	Geography	Impact of geographical space and urban transformation on woman in society: a study of Ajmer city (Rajasthan)	ICSSR (IMPRESS GRANT)	2019

PROJECTS UNDERTAKEN BY STAFF (IRP)

S. No.	Name of the PI	Department	Research/ Project Title	Month and Year of Receiving the grant
Session 2018-19				
1.	Mr. Gautam Chaturvedi	Computer Science	Study of Enterprise Resource Planning (ERP) System Functionality in Higher Education of Rajasthan	1-11-2018
2.	Mrs. Neha Sharma	Computer Science	Development of Spatial GIS data Filters for Controlling Network Traffic using WML	1-11-2018
3.	Mr. Deepak Balani	Commerce	Probability and Growth Analysis of Housing Industry in Ajmer with reference Current Leading Policies of Commercial Bank	1-11-2018
4.	Dr. Ritu Bhargava	Computer Science	Comparative Study of Smart Health Prediction using Machine Learning Algorithm	1-11-2018
5.	Dr. Bhawna Sharma	Management	A Comparative Study on Traditional and Online Education	1-11-2018
6.	Mrs. Kiran Bhagnani	Computer Science	An online Examination for Descriptive Type Questions using Artificial Intelligence	1-11-2018
7.	Ms. Shilpi Yadav	Geography	Geo-Spatial & Temporal Analysis of Urban Heat Island using Remote Sensing and GIS: A Case Study of Ajmer City (Raj.)	1-11-2018

8.	Mrs. Shaina Sherani	Physical Education	Comparative Study for Sports Competition anxiety Between players from individual and Team Sports	1-11-2018
9.	Ms. Shikha Sharma	Geography	Spatial Temporal Changes in Political Boundaries: A Case Study of Ajmer City	1-11-2018
10.	Mrs. Surbhi Mehra	Management	A Comparative Study Work Life Balance among Academicians of Public and Private Colleges in Ajmer City of Rajasthan	1-11-2018
11.	Mrs. Shubha Chaturvedi	Computer Science	Study of Optical LAN as an Emerging LAN Architecture	1-11-2018
12.	Mr. Rishi Saxena	Computer Science	Development of an Expert System for Education to Identify the Core Skills in UG Students of Computer Science based on the Cognitive Behaviour	1-11-2018
Session 2019-20				
13.	Dr. Persis Latika Das	History	Gandhi and Globalization	1-11-2019
14.	Dr. Jyoti Jagwani	Commerce	An Empirical Study of women investing behavior with special reference to Ajmer District	1-11-2019
15.	Ms. Yuvnika Sogani	Commerce	An Analytical study on the Impact Personality Traits on Workplace Spirituality in Education sector	1-11-2019
16.	Ms. Yashasvini Rathore	English	A Freudian Interpretation of the Hunger Games by Suzanne Collins	1-11-2019
17.	Dr. Anshu Joshi	English	Hamlet- A Tragedy in Light of Derridean Deconstruction	1-11-2019

18.	Ms. Laveena Gulabchandani	Chemistry	Effect of Storage on Vitamin C content in various available fruits at Sophia Girls' College, Ajmer	1-11-2019
19.	Mr. Sabir Khan	Geography	Geo- Spatial Analysis of Juvenile Justice: A reform to reform future of our generation	1-11-2019
20.	Mrs. Madhumita Hussain	Geography	Solid Waste Management in Jaipur City	1-11-2019
21.	Dr. Sunita Siyal	Hindi	नारी उत्थान में जैन साहित्य का योगदान	1-11-2019
22.	Mr. Raman Tiwari	Commerce	Investment Arbitrage between Stock Market and Gold Market	1-11-2019
23.	Mrs. Sonal Sharma	English	Folkloristic Study of India and Nigeria through the select plays of Girish Karnad and Wole Soyinka	1-11-2019
24.	Ms. Neelam Bhatia	Political Science	Discrimination against Madhesi in Nepal: A Story of neverending Prejudice and Pride	1-11-2019
Session 2020-21				
25.	Mrs. Annu Bhardwaj	Botany	Photochemical Study of Some Medicinal Plants of Sophia Girls' College (Autonomous), Ajmer	30-03-2021
26.	Ms. Kumud Khatri	Economics	An Economic Analysis of Players Practicing in Sports Academy and Non-Sports Academy Area	30-03-2021
27.	Dr. Neha Sharma	Computer Science	Prototype Development for Location Tracing and Identification using GPS Technology in Educational Institutions	30-03-2021

28.	Ms. Shilpi Yadav	Geography	Sewage Treatment Plant: A Boon for the Polluted ANASAGAR!! (Evidence Based Holistic Restoration of Lake ANASAGAR, Ajmer, Rajasthan, India	30-03-2021
29.	Mr. Rishi Saxena	Computer Science	Smartphone based Authenticated Proctored Examination System on BYOD model for Students Evaluation in Classrooms	30-03-2021
30.	Mr. Satish Kumar	Library and Information Science	A Scientometric analysis on Bacopa Monnieri (Brahmi) from 2011-2020 using scopus data base	30-03-2021
Session 2021-22				
31.	Ms. Yuvnika Sogani	Commerce	An Impact study of philosophy of selected social and spiritual leaders on Personal and organizing competencies of Entrepreneurs	30-03-2022
32.	Ms. Laveena Gulabchandani	Chemistry	Qualitative Analysis of Adulterants in various Milk and Milk products of Ajmer city	30-03-2022
33.	Dr. Varsha Maheshwari	Management	Novel Parameterization of Financial Performance of Commercial Banks in India- Application of CAMEL & MDA Model	30-03-2022
34.	Ms. Khushboo Dagdi	Political Science	Ecologism: A case study of Udaipur District between economic Development and Biodiversity conservation of Rajasthan	30-03-2022
35.	Ms. Divya Thomas	Chemistry	Production of Bioplastic from various Plant parts	30-03-2022

36.	Ms. Rakshita Sharma	Geography	Geospatial Analysis of Crime occurrence in Ajmer City based on Clock Tower Thana	30-03-2022
37.	Ms. Himanshi Parashar	Geography	Land-Use and Land-Cover Analysis of Pushkar using Geospatial Techniques	30-03-2022
Session 2022-23				
38.	Mr. Gautam Chaturvedi	Computer Science	Complex Systems Network Analysis in DNA Replication	07-03-2023
39.	Mr. Satish Kumar	Library and Information Science	A Scientometric Study of Global Research Output on Anemia Research as Indexed in WOS Database during 2011-2022	07-03-2023
40.	Dr. Madhumita Hussain	Geography	Exploring the Relationship between Water Access and Community Development: Towards Achieving Equity (In Special Reference to Ajmer District)	07-03-2023
41.	Dr. Sunita Siyal	Hindi	कृष्णा सोबती के उपन्यासों में नारी चेतना	07-03-2023
42.	Ms. Divya Mishra	Economics	Economic and Social Well Being: A Study of Ajmer City	07-03-2023
43.	Mrs. Shweta Sharma	Home Science	A Comparative Study on the Assessment of Nutritional Status of Urban and Rural School going Children of Ajmer City	07-03-2023
Session 2023-24				
44.	Dr. Bhawana Sharma	Management	New Education Policy 2020: An Effort Towards Transforming India's Education Landscape	18-03-2024

45.	Mrs. Shahina Sherani	Physical Education	A Comparative Study of Physical Fitness Level among Athletes and Non-athletes from Ajmer District	18-03-2024
46.	Ms. Priya Cornelius	English	Modernity has the Power to Colonize: Familiarity brings Resistance	18-03-2024
47.	Ms. Karishma Jangid	English	Exploring Themes and Socio-Cultural Dynamics in Manju Kapur's Novels	18-03-2024
48.	Mr. Marcel Choudhary	Management	An Impact of Celebrity Endorsements on Consumer Behaviour in Ajmer	18-03-2024
49.	Mr. Nishaant Pal	Political Science	Geostrategic Dynamics in the Himalayas: A Comprehensive Analysis of India's Foreign Policy Shifts towards Sikkim Post-1947 amidst Chinese Escalation	18-03-2024
50.	Ms. Mimansa Khangarot	Political Science	Navigating Borderland Realities: Assessing Implementation Challenges and Opportunities of the 2015 India-Bangladesh Land Boundary Agreement	18-03-2024
51.	Dr. Fehemeena Bakht	Psychology	Investigate the Impact of AI-Assisted Personalized Learning: A Study on Social and Emotional Skills and its Relationship with Academic Achievement and Life Success	18-03-2024
Session 2024-25				
52.	Dr. Sunita Siyal	Hindi	मनू भण्डारी का उपन्यास- विशेष सन्दर्भ महाभोज	24-01-2025
53.	Ms. Yuvnika Sogani	Commerce	Uninc: Understanding the Informal Economy in Rajasthan	24-01-2025
54.	Dr. Varsha Maheshwari	Management	An Exploration of organization Culture in Autonomous Higher Education Institutes in Rajasthan	24-01-2025

55.	Ms. Himanshi Parashar	Geography	Bridging Urban Morphology and Urban Ecology: A Case study of Pushkar	24-01-2025
56.	Dr. Divya Chauhan	Geography	Impact of Urban growth on vegetation Health: Analysing NDVI & NDBI Trends in Alwar City from 2014 to 2024	24-01-2025
57.	Ms. Deeksha Sharma	Physics	Assessment and Analysis of Efficiency of rooftop solar panel: A Case study of Sophia Girls' College (Autonomous), Ajmer	24-01-2025
Session 2025-26				
58	Dr. Divya Mishra	Economics	Circular Economy of Floral Waste – A Case Study of Ajmer Dargah Sharif	30-03-2026
59.	Dr. Shilpi Yadav	Geography	GIS based Epidemiological Study of Air Pollution and Mortality in Ajmer, Rajasthan	30-03-2026
60.	Dr. Tanmay Sharma	Sociology	Places of Worship and their significance in Rajasthan among the Gurjars – an Ehnographic Study	30-03-2026
61.	Mr. Rishi Saxena	Computer Science	Design and Development of Institutional Artificial Intelligence Assistant for Automated Information Support Knowledge Access in Higher Education Institutions	30-03-2026
62.	Dr. Shweta Sharma	Home Science	Impact of Breakfast Habits on Concentration and Academic Performance of Adolescent Girls aged 13-16 Years Old	30-03-2026
63.	Mr. Sarushi Bari	Geography	Accuracy Analysis of Land Surface Temperature Retrieval using Open- Source and Cloud Based Remote	30-03-2026
64	Mr. Anwar Kamal	Examination	Development and Validation of a Web-Based CGPA Calculator for National and International Students: A Tool for Academic Planning and Transparency	30-03-2026