




## Shivaji College Faculty Details Proforma

Title	First Name	Last Name	Photograph
Dr.	Bharat	Ratnu	
<b>Designation</b>	Assistant Professor		
<b>Address</b>	3 <sup>rd</sup> floor, FD 27, Shivaji Enclave, New Delhi-110027.		
<b>Office Phone No.</b>			
<b>Residence</b>			
<b>Mobile</b>	9953406263		
<b>Email</b>	Bharatratnu@shivaji.du.ac.in		
<b>Web-Page</b>			
<b>Educational Qualifications</b>	MA, NETJRF, PH.D.		
<b>Degree</b>	<b>University/Institute</b>	<b>Year</b>	
<b>Ph.D.</b>	Jai Narayan Vyas University, Jodhpur.	2017	
<b>M.Phil./M.Tech.</b>			
<b>PG</b>	CSR, JNU	2011	
<b>UG</b>	Shivaji College, University of Delhi.	2009	
<b>Any Other Qualification</b>	NET-JRF	2011-2017	
<b>Career Profile</b>			
Assistant Professor, Department of Geography, Shivaji College, University of Delhi.			
<b>Administrative Assignments</b>			

**Administrative Responsibility: Assistant Coordinator LSC 38045  
IGNOU centre shivaji college since 2019.  
Coordinator AQAR NAAC CRETRIA 2.7.  
Coordinator of YUVA in west zone, Delhi.**

**Areas of Interest/Specialisation**

Water Resources  
Natural Resource Management  
Environmental Geography  
Indigenous knowledge System

**Subjects Taught**

Physical Geography  
Human Geography  
Environmental Geography  
Geographical Information System Gis,  
Statistical Methods In Geography.

**Innovation Project/Research Projects (Major Grants/Research Collaboration)**

- 1. Investigator and Co-mentor of innovative project of Shivaji College entitled as ‘Water harvesting techniques for Development of Nagaur District.’ Funding by DU-2013-2015. Major Project. (Amount 3 lac)**
- 2. Investigator of innovative project of Shivaji College entitled as ‘Inventory and prospect of Water conservation in western Rajasthan.’ In University of Delhi, Funding by UGC 2015-2016. Major Project. (Amount 4.5 lac)**
- 3. One Gyanodhay Project (Visit Sikkim 2 villages) Mentor of project “Organic Farming In Sikkim: Socio-economic and Geographical Prospective.” In GYANODHAY 5- Dharohar of North East Project, delhiuniversity-2014.**
- 4. Minor Project (2 Visits in Villages) “IMPLICATIONS OF CLIMATE CHANGE ON AGRICULTURE: A MICRO LEVEL STUDY OF TWO VILLAGES IN HARYANA”. FIRST INVESTIGATOR. PROJECT FUNDED BY CRC, SHIVAJI COLLEGE, UNIVERSITY OF DELHI, 2021-22**

**Publications Profile (Research Papers/Books)**

- 1) Water management for Sustainability of Nagaur District, Rajasthan Yes UGC Listed No. 2910/48 727 Refereed North Asian International Research journal Consortium Sole Author Vol 3, Issue 6 June 2017 2464-982 7 International 3.14 30 .
- 2). Testing Times in a Global Pandemic: A National study of India’s Trade-off with COVID-19 Yes Refereed International Journal of Creative Research Thought First Author Vol. 8, Issue 5 May 2020 2320-288 2 International 0 10.5
- 3). Water Scarcity and pattern of migration: A case study of Makrana tehsil, Nagaur District, Rajasthan Yes Refereed Indian Journal of Geography Sole Author Vol. XXI January 2017 0537-201 1 National 00 15.
- 4). Pattern of migration: A case study of Tilora, Chawandia, Motisar and Genahera Villages near Pushkar town of Ajmer district, Rajasthan Yes Refereed Review Of Research Journal Sole Author Volume - 4 Issue - 8 May – 2015 2249-894 X National 3.14 30

- 5). Trend of Urbanization in Rajasthan: Application of Rank size distribution and primate city. Yes UGC Listed No. Refereed The Indian Geographical Journal First Author Dec 2019 94, 2 218-227 0019-482 4 National 1.93 17.5
- 6). Trends of Employment and unemployment in Indian states: gender analysis Yes UGC Listed No. 2910/48 727 Refereed North Asian International Journal of Social Science and Humanities First Author 2016 2(1) 3-18 2454-232 6 International 3.015 2.
- 7). Water Management in western Rajasthan Yes UGC Listed No. 2391/45 816 Refereed DU Journal of Undergraduate Research and Innovation. Co Author 2016 2(2) 65-71 2395-233 4 National 0 4.5 8 Fluoride Toxicity of ground Water in Makrana Tehsil, Nagaur District, Rajasthan Yes UGC Listed No. 2391/45 816 Refereed DU Journal of Undergraduate Research and Innovation. Co Author 2015 1(2) 384-396 2395-233 4 National 0 4.5
- 9). Implications of technology in water management: A case study of western Rajasthan Yes UGC Listed No. 2910/48 727 Refereed North Asian International Journal of Social Science and Humanities Co Author 2016 3(5) 3-24 2454-232 6 International 3.015 9
- 10). Application of the central place Theory to determine current centrality patterns: A case study of Parbatsar Tehsil, Nagaur District, Rajasthan Yes Refereed Golden Research Thoughts Sole Author 2015 4(10) 1-11 2231-506 3 National 3.14 30
- 11). Social Fabric and diffusion of agricultural inventory: A Micro level study of Nayabaas village, Rohtak, Haryana. Yes Refereed International Journal of Social Science and Economic Research (IJSSER) Co Author May 2020 5. No.5 1135-1151 2455-883 4 International 5.1 10.5

#### Conference/Seminar/Faculty Development Programme/Workshop

1. Attended a workshop on Advance Statistical Data Analysis using SPSS which is organised by Science Tech Institute, Lucknow from 21-09-2021 to 27-09-2021.
2. Attended One Week Online Faculty Development Program On Advanced Research Methodology March 21-27, 2022, organized by Amiruddaula Islamia Degree College and Science Tech Institute, Lucknow, UP, India.
3. TRAINING PROGRAMME ON MITIGATION MEASURES FOR URBAN RESILIENCE TO DISASTER: WITH FOCUS ON EARTHQUAKE AND FIRE  
NEW DELHI 3 DAYS  
NIDM AND SHIVAJI COLLEGE, UNIVERSITY OF DELHI.
4. FDP ON ADVANCED RESEARCH METHODOLOGY LUCKNOW 7 DAYS  
LUCKNOW UNIVERSITY AND SCIENCE AND TECH INSTITUTE, LUCKNOW
5. INTERNATIONAL WORKSHOP ON ADVANCED STATISTICAL DATA ANALYSIS USING SPSS LUCKNOW 7 DAYS SCIENCE AND TECH INSTITUTE, LUCKNOW
6. UGC SPONSERED SHORT TERM COURSE ON RESEARCH METHODOLOGY  
NEW DELHI 7 DAYS CPDHE-MALAVIYA MISSION TEACHING TRAINING CENTRE, UNIVERSITY OF DELHI.
7. FACULTY INDUCTION/ORIENTATION PROGRAMME NEW DELHI 1 MONTH RAMANUJAN COLLEGE, UNIVERSITY OF DELHI UNDER THE AEGIS OF MINISTRY OF EDUCATION - MALAVIYA MISSION TEACHING TRAINING PROGRAMME.
8. WORKSHOP ON BUILDING DISASTER RESILIENT INFRASTRUCTURE  
NEW DELHI 1 DAY NIDM AND SHIVAJI COLLEGE, UNIVERSITY OF DELHI.

#### SEMINARS

1. Sixth Northern Regional social science Congress on 'Intellectual History and Changing Realities: India in 21st Century' organized by NRC-ICSSR, New Delhi and JRNRV

university, Udaipur, Rajasthan. Presented a research paper entitled as “Perspective of Geographical Assimilation of Societies in western Rajasthan” on 18-20 January 2019.

2. International Geographical Union IGU India organised international conference on Implication on COVID 19 on Local and Regional sustainable development: A Global Perspective. Presented a paper titled: Water stress situation during COVID 19 : A micro level study of Ajmer district, Rajasthan.
3. International Virtual conference in Geoscience with focus on climate change perspective organised by MLSU, Udaipur. Presented a paper titled: Impact on Climate Change on the Human Biometeology in the region of Delhi NCR.
4. International Seminar on ‘Spatial Decision Support System for United Nation Sustainable Development Goals’ organized by Kalindi College, University of Delhi. Presented a research paper entitled as “Water management for sustainability of Nagaur District, Rajasthan” on 1<sup>st</sup> and 2<sup>nd</sup> February 2017.
5. National Seminar on ‘Sustainable Water Resource Management in Arid and Semi – Arid Region’ organized by Department of Geography JNVU, Jodhpur. Presented a research Paper entitled as ‘Water resource Problems – A barrier in Development of Nagaur District.’ On Jan , 2014 .
6. National Seminar on ‘Water and Air Quality in Urban Ecosystem’ organized by Eco club, Shivaji College, University of Delhi, Delhi. Presented a poster titled “Smart cities and water problems: A case study of Ajmer” on 22 March 2016.
7. Innovation Project awarded for Research Display at the Convocation Ceremony of University of Delhi, presented a poster Titled as SHC 315 “Inventory and prospect of water conservation in western Rajasthan”. Inter-national Women Conference attended Organized by Shivaji College, University of Delhi.

#### Research Guidance (*Supervision of Doctoral Thesis/Dissertations*)

##### Long Excursion

1. 2015 - Environmental study of Sariska National Park and Fetehpur Sikri. 45 Students participated.
2. 2016 - Panajim –Vasco-National Centre for Ocean and Antarctic Research. 53 students participated.
3. 2017 - Amarkantak -Jabalpur, study of Maikal Plateau And its environment. 48 Students Participated.
4. Run a study Circle in Raghbir Nagar, West Delhi, with Basti Students. More than 100 student participated.

##### Awards and Distinctions

1. Fellowship JRF- UGC, National.
2. Award Teaching Excellence Award for Innovation, 2015. University of Delhi, National.
3. Award Best Innovative Idea Award for Innovation Project “Rain Water Harvesting Nagaur, Rajasthan” 2015 University of Delhi, National.
- 4 Award Certificate of Appreciation for Research Display at convocation ceremony, 2016 University of Delhi, National.
- 5 Award President Award Bharat scout, National.

##### Memberships

1. Member of Association of Geographical Society (AGS)
2. Member of National Association of Geographers India (NAGI).
3. Member of Eco-club in Shivaji College, University of Delhi.
4. Member of Discipline Committee in Shivaji College, University of Delhi.
5. Member of Cultural Committee in Shivaji College, University of Delhi.
6. Member of Alumni Committee in Shivaji College, University of Delhi.
7. Member of NSS Committee in Shivaji College, University of Delhi
8. Member of DISHA The Civil Service Committee in Shivaji College, University of Delhi

#### Other Academic Activities

1. Organizing Poster making competition in Eco- Club in Shivaji College, University of Delhi, 2015.
2. Organizing Environmental Awareness Programme on Fuel Conservation in Eco-Club in Shivaji College, University of Delhi, Feb, 2017
3. Organizing Alumni meet in 2016, 2017 and 2019 in Shivaji College, University of Delhi.
4. Organizing Debate competition in NSS on NSS Day, 2019 in Shivaji College, University of Delhi.
5. Organise various online webinars during COVID 19 times.

#### Administrative Responsibility

1. Assistant Coordinator LSC 38045 IGNOU since 2019

#### Cultural/Extracurricular Activities



Signature of Faculty Member