




**SHIVAJI COLLEGE**  
**UNIVERSITY OF DELHI**  
 (NAAC ACCREDITED 'A' GRADE)  
 Raja Garden, New Delhi-110027, India.  
**Faculty Details Proforma**



*Last updated on 16-09-2021*

Title	First Name	Last Name	Photograph
PROF. (DR.)	TEJBIR SINGH	RANA	
Designation	PROFESSOR OF GEOGRAPHY		
Office Phone No.	011 2519 1458, 011 2544 6484		
Mobile	9818312789		
Email	<a href="mailto:ranatejbir@shivaji.du.ac.in">ranatejbir@shivaji.du.ac.in</a> ; <a href="mailto:ranatejbir@gmail.com">ranatejbir@gmail.com</a> ;		
Web-Page	<a href="https://www.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA">https://www.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA</a> ;		
Educational Qualifications	Ph.D., M.Phil, B.Ed.		
Degree	University/Institute	Year	
Ph.D.	DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF DELHI	2000	
M.Phil.	DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF DELHI	1990	
PG M.A. Geography	DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF DELHI	1987	
UG B.A.(Hons.) Geography	KIRORI MAL COLLEGE, UNIVERSITY OF DELHI	1984	
Any Other Qualification, B.Ed.	CENTRAL INSTITUTE OF EDUCATION, UNIVERSITY OF DELHI	1985	
NET	NATIONAL ELIGIBILITY TEST : JOINT CSIR-UGC TEST, Eligibility for Lectureship in Earth, Atmosphere, Ocean Sciences	1989	

**CAREER PROFILE:**

TEACHING IN DEPARTMENT OF GEOGRAPHY, SHIVAJI COLLEGE, UNIVERSITY OF DELHI:  
AUGUST 1990 - PRESENT

- PROFESSOR : May 2019 - PRESENT
- ASSOCIATE PROFESSOR (READER) : JANUARY 2000 - April 2019.
- SENIOR LECTURER : AUGUST 1997 - JANUARY 2000.
- LECTURER : AUGUST 1990 - AUGUST 1997.

TOTAL TEACHING EXPERIENCE: 31 YEARS & 2 Months+.

**Administrative Assignments**

- BURSAR- TWO TIMES (In-charge of College Accounts and Audit)  
A. 2006-2007 B. 2013-2014
- NAAC & IQAC Co-ordinator of Shivaji College. (2015-2016) and college got "A" Accreditation.
- COLLEGE and SoL EXAMINATION SUPERINTENDENT - THREE TIMES  
A. 1993 B. 1994 C. 2016
- TEACHER IN-CHARGE (DEPARTMENT OF GEOGRAPHY) – SIX TIMES ON ANNUAL ROTATION BASIS
- COLLEGE GOVERNING BODY MEMBER (JULY 2000 TO JULY 2001): TEACHER REPRESENTATIVE
- COLLEGE BUILDING COMMITTEE MEMBER : Appointed by Governing Body and worked as nodal officer of the proposed college building : TEN YEARS
- CONVENER : ANTI-RAGGING COMMITTEE- 2016-2018.
- ACADEMIC COMMITTEE MEMBER - SIX YEARS
- CONVENER: ACADEMIC SUPERVISORY COMMITTEE - TWO YEARS
- CONVENER: DISCIPLINE COMMITTEE : TWO YEARS AND MEMBER : TWELVE YEARS
- DEVELOPMENT COMMITTEE MEMBER : FOUR YEARS
- CONVENER: GENERAL PURCHASE COMMITTEE : TWO YEARS AND MEMBER : EIGHT YEARS
- STUDENTS ADVISORY COMMITTEE MEMBER : SIX YEARS
- CONVENER: SPORTS COMMITTEE : TWO YEARS AND MEMBER : EIGHT YEARS
- TIME TABLE COMMITTEE MEMBER : TWO YEARS
- GARDEN COMMITTEE MEMBER : FOUR YEARS
- CONVENER: EDC (Enterpreneurial Development Cell), 2019-20.
- WOMEN DEVELOPMENT CELL, (WDC), MEMBER : TWO YEARS.
- COLLEGE RESEARCH CELL: MEMBER: FIVE YEARS.

## PROFESSIONAL CONSULTANCY:

- **EXAMINER AND MODERATION COMMITTEE MEMBER FOR RECRUITMENT OF TEACHERS: TEN YEARS, Ed. CIL – MHRD, Ministry of Education.**
- **SYLLABUS RESTRUCTURING COMMITTEE MEMBER: ICSE Board.**
- **GEOGRAPHY BOOK RESTRUCTURING COMMITTEE MEMBER, (VIIITH CLASS): NCERT**
- **CBSE EXAM SUPERVISOR : EIGHT YEARS**
- **TEACHER SELECTION COMMITTEE MEMBER: CRPF and DAV Schools, Delhi.**
- **GOVERNING BODY MEMBER: Jawahar Navodya Vidhyalaya, Mungeshpur, Delhi.**
- **TRUSTEE: Vikas Bharti Public School, Rohini, Delhi.**
- **MANAGING COMMITTEE MEMBER: Prateek School for Physically Challenged, Nangloi, Delhi.**
- **INFRASTRUCTURE DEVELOPMENT And NAAC/IQAC COMMITTEE MEMBER: JRN Rajasthan Vidhyapeeth University, Udaipur.**
- **DUSU Election Observer- 2019, SSNC, University of Delhi.**
- **CHAIRMAN: ACADEMIC COMMITTEE: Maharaja Surajmal Education Society, Janakpuri, Delhi.**

## Areas of Interest/Specialisation

- **ESTABLISHED AND MANAGED: A UNIQUE “MUSEUM OF GEOGRAPHICAL HERITAGE” AT BUDHPUR, GT ROAD IN DELHI FOR RESEARCHERS AND GEOGRAPHERS.**
- **ACADEMIC SPECIALIZATION:**
  1. **DEVELOPMENT AND ENVIRONMENT CRISIS.**
  2. **POPULATION – DYNAMICS AND HABITAT BASED SUSTAINABILITY.**
  3. **REGIONAL PLANNING, RURAL-URBAN FRINGE AND POPULATION GEOGRAPHY**
  4. **RESOURCE, DEVELOPMENT AND SUSTAINABILITY IN CONTEMPORARY PERSPECTIVE**
- **COUNSELLING AND CAREER GUIDANCE FOR CIVIL SERVICES EXAM : DISCIPLINE AND PERSONALITY DEVELOPMENT.**
- **MEMBER OF FYUP, CBCS & LOCF: Undergraduate courses of Geography Syllabus Restructuring Committee, University of Delhi.**

## **REFRESHER COURSES AND FACULTY DEVELOPMENT PROGRAMMES:**

- Refreshers course at Jamia Milia Islamia (JMI), Delhi, from 15-01-2003 to 04-02-2003 (3 week course).
- Refreshers course at Jamia Milia Islamia (JMI), Delhi, from 28-12-2004 to 17-01-2005 (3 week course).
- CONVENOR of online FDP (Faculty Development Programme) organised by JRN Rajasthan Vidyapeeth, Udaipur on 'Open Source GIS Software-Q-GIS' from 08-06-2020 to 14-06-2020. (7 days course).

## **SUBJECTS TAUGHT: Annual and Semester Mode (CBCS and LOCF)**

- |                        |                                    |
|------------------------|------------------------------------|
| • POPULATION GEOGRAPHY | ENVIRONMENTAL GEOGRAPHY            |
| • GEOGRAPHY OF INDIA   | HUMAN GEOGRAPHY                    |
| • PHYSICAL GEOGRAPHY   | CARTOGRAPHIC TECHNIQUES            |
| • ECONOMIC GEOGRAPHY   | GEOGRAPHY OF POPULATION            |
| • REGIONAL PLANNING    | SETTLEMENT GEOGRAPHY               |
| • DISASTER MANAGEMENT  | LONG EXCURSION – FIELD BASED STUDY |

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

### **A. INNOVATION/RESEARCH PROJECTS COMPLETED :**

1. 'WATER HARVESTING TECHNIQUES FOR DEVELOPMENT OF NAGPUR DISTRICT.' PRINCIPAL INVESTIGATOR OF INNOVATION PROJECT FUNDED BY UNIVERSITY OF DELHI  
2013-2015. MAJOR PROJECT.
2. 'INVENTORY AND PROSPECT OF WATER CONSERVATION IN WESTERN RAJASTHAN.' PRINCIPAL INVESTIGATOR OF INNOVATION PROJECT FUNDED BY UNIVERSITY OF DELHI  
2015-2016. MAJOR PROJECT.
3. "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.

### **B. CSR PROJECT EVALUATION : As third party observer.**

1. Establishment of 5 no. New Women Empowerment Centre, U.P. of SEWA, THDC (Tehri Hydro Development Corporation), Rishikesh, Above Rs. 2 lakh.
2. Plantation at Pratapnagar Block, district Tehri, Uttarakhand of SEWA, THDC (Tehri Hydro Development Corporation), Rishikesh, Above Rs. 2 lakh.

3. Upkeep of 1 No. of Natural Water Body at Mahmandipur, Sultanpur District, U.P. (2012) of SEWA, THDC (Tehri Hydro Development Corporation), Rishikesh, Uttarkhand, Above 2 lakh
4. Empowerment and Enhancement of Livelihood of 30 Rim Area Villages at Tehri through Integrated Development. (2012) of SEWA, THDC (Tehri Hydro Development Corporation), Uttarkhand, Above Rs. 2 lakh.
5. Sustainable Development of upkeep of 5 Nos. of Natural Water bodies at Hazaratpur, Barabanki district of U.P. (2012) of SEWA, THDC (Tehri Hydro Development Corporation) Above Rs. 2 lakh.
6. Plantation work for sustainable development in district Sultanpur, Lucknow and Barabanki of U.P. of SEWA, THDC (Tehri Hydro Development Corporation) Above Rs. 2 lakh
7. Empowerment and Enhancement of Livelihood of 30 Rim Area Villages at Tehri through Integrated Development. (2013) of SEWA, THDC (Tehri Hydro Development Corporation) Above Rs. 2 lakh.
8. Plantation of Saplings in the Rim Area at Tehri of SEWA, THDC (Tehri Hydro Development Corporation) Above Rs. 2 lakh.
9. Slope stabilization of Kooper Gad and Bhengi Gad in Pratabnagar block, Tehri of SEWA, THDC (Tehri Hydro Development Corporation) Above Rs. 2 lakh

**Publications: Research Papers in Peer-Reviewed/Refereed or UGC listed journals**

S.No.	Publication Type	Title of the Paper	Journal Name	Year	Vol. No.	Page No.	ISSN No.	Authorship
1	Peer Reviewed	Generic Urbanisation : Delhi's Reality.	Sustainable Future : Geography and You.	2016	15, No. 94	21-25	2347-8845	Single Author
2	UGC Listed No. 40827	Mechanism of Environment and Ecology in Natural System : Concepts and its Functions..	Remarking An Analisation	2018	3, No. 7.	50-59	2394-0344	Single Author
3	UGC Listed No. 40827	Process and Forces of Farmland Alteration in Delhi: A Micro Level Study of Budhpur Village.	Remarking An Analisation	2018	3, No. 5.	21-30	2394-0344	Single Author
4	UGC Listed No. 2810/48 727	Implications of Technology in Water Management. A Case Study of Western Rajasthan.	North Asian International Research Journal	2016	2, No. 5.	Mar-24	2454-2326	One of the two author/ First and Principal/Corresponding author
5	UGC Listed No. 2910/48 727	Changing Land Use of Rural Urban Fringe of Delhi :A Procedural Enquiry of Alipur Block, Delhi.	North Asian International Research Journal	2015	1, No. 4.	79-86	2454-2326	Single Author
6	UGC Listed No. 2748 /63200	Perspectives of Changing Nature of Livestock Resources in India.	International Journal of Social science and Economic Research	2019	4, No. 4.	2930-2942	2455-8834	Single Author

7	UGC Listed No. 2748 /63200	Human Development Index of India.	International Journal of Social science and Economic Research	2019	4, No. 3.	1696-1712	2455-8834	Single Author
8	UGC Listed No. 2391/45 816	Water Management in Western Rajasthan.	DU Journal of Undergraduate Research and Innovation.	2016	5, No. 2.	165-171	2395-2334	One of the two author/ First and Principal/Corresponding author
9	UGC Listed No. 2391/45 816	Flouride Toxicity of Ground Water in Makrana Tehsil, Nagaur, Rajasthan.	DU Journal of Undergraduate Research and Innovation.	2015	1, No. 2.	386-394.	2395-2334	One of the two author/ First and Principal/Corresponding author
10	UGC Listed No. 40888	Socio-Economic Status of Farmers after the Alteration of Croplands for Urban Expansion in Delhi.	Asian Resonance	2019	8, No. 2.	65-70	0976-8602	Single Author
11	UGC Listed No. 40827	State of Farmers Distress in Agricultural Sector: A Case Study of Jhunjhunu District, Rajasthan.	Remarking An Analisation	2019	4, No. 3.	164-169	2394-0344	One of the two author/ First and Principal/Corresponding author
12	Peer Reviewed	Global Public Policy: Network & Role of Spatial Analysis.	Remarking An Analisation	2020	5, No. 1.	20-27	2394-0344	One of the three authors.
13	Peer Reviewed	Perspectives of Gender Disparity in Nagaur district of Rajasthan	Periodic Research	2020	8, No. 4.	1-8	2231-0045	First Author
14	Peer Reviewed	Social Fabric and Diffusion of Agricultural Inventory: A Micro Level Study of Nayabaas village, Rohtak, Haryana.	International Journal of Social Science and Economic Research (IJSSER)	2020	5, No. 5.	1135-1151	2455-8834	First Author
15.	UGC Listed No. 40888	Intricacies and Stumbling Blocks of Traffic Flow in Delhi: A Case Study of Inner Ring Road.	Asian Resonance	2017	6, No. 2.	63-72	0976-8602	First Author in Joint Paper

### Books and Chapters in Edited Books

S.No.	Publication Type	Title	ISSN/ ISBN No.	Author/Co-Author	Publisher's Details	Year
1	Books Authored	Environment	978-81-931477-4-0	Single Author	VPG Books Pvt. Ltd., New Delhi.	2017

2	Books Authored	World Geography	978-81-931477-3-5	Single Author	VPG Books Pvt. Ltd., New Delhi.	2018
3	Books Authored	Geography of India in Brief	81-89522-01-9	Single Author	VPG Books Pvt. Ltd., New Delhi.	2005
4	Books Authored	Environmental Implications of Farmland Diversification	81-7880-012-8	Single Author	Rajat Publication, New Delhi.	2001
5	Chapter in Edited Book	Saga of a Woman Crusader for Women Empowerment	81-868S45-38-0	Single Author	Prithvi Prakashan, New Delhi.	2015
6	Chapter in Edited Book	Animate to Mechanised Farming and its Diminishing Return published in Smart Agriculture edited by Patra, P., and et.al.	978-81-316-1137-1	Single Author	Rawat Publications, Jaipur.	2020
7	Chapter in Edited Book	Identification of Social Norms in Conserving and Utilizing Biodiversity in Aligarh District, Uttar Pradesh. Published in Making Cities Resilient by V. Sharma and Chanderkanta.	978-3-319-94932-1	One of the two Authors	Springer International Publishing, AG.	2019
8	Chapter in Edited Book	Urbanisation Level of Uttar Pradesh: A Districtwise analysis. Published in Sustainable Smart Cities in India by P. Sharma and S. Rajput.	978-3-319-47145-7_39	One of the two Authors	Springer International Publishing, AG.	2017
9	Chapter in Edited Book	Perspectives of Women Health Hazards in Urbanised villages of Delhi. Published in Empowering Women by S. Nijhawan et.al.	978-9380397498	Single Author	Pragun Publication, New Delhi.	2014
10	Chapter in Edited Book	Geographical Dimensions of Fringe Habitat. Published in Fringe Dynamism in Delhi Metropolitan City by Punyatoya Patra.	81-87854-05-9	Single Author	Globe Publishing House, Delhi.	2011
11	Chapter in Edited Book	Geographical Dimensions of Farmland Alteration. Published in Resource Management System by B. W. Pandey.	81-7099-986-3	Single Author	Mittal Publications, New Delhi.	2005
12	Translation works in Indian and Foreign Languages – Book	Geography of India in Brief. Hindi Translation.	81-89522-02-7	Single Translator	VPG Books Pvt. Ltd., New Delhi.	2006

## Seminars / Conferences / Workshops

	<b>Title of the Invited Lecture delivered/Paper presented</b>	<b>Details of Conference / Seminar/ FDP and Organising Institution</b>	<b>Date of Presentation (yyyy-mm-dd)</b>	<b>Please select Invited Talk/Paper Presented</b>
1	Forces and Consequences of Farmland Diversification in Rural Urban Fringe of Delhi.	22nd Indian Social Science Congress National Seminar, Gandhigram, Tamilnadu.	17-03-1999	Paper Presentation in Seminar
2	Forces and Process of Farmland Alteration in Rural Delhi.	Aditi Mahavidyalaya, University of Delhi.	30-01-2004	Paper Presentation in Seminar
3	Opportunities of Yamuna Flood Water for Sustainable Irrigation.	Science, Spirituality and Humanity: Transcending Discipline Barriers. International Conference Organised by Shivaji College, University of Delhi.	18-02-2011	Paper Presentation in Seminar
4	Dimensions of Segregated Women Folks of Urbanised Villages of Delhi.	Empowerment of Women in Developing World. International Seminar organised by WDC, Shivaji College, University of Delhi.	02-04-2013	Paper Presentation in Seminar
5	Soft Skills for Delhi Police	Soft Skill Development Programme for Delhi Traffic Police organised by Shivaji College, University of Delhi.	19-12-2014	Resource Person
6	Changing Landscape of Rural Urban Fringe of Delhi.	UGC-SAP-3 Seminar, Department of Geography, University of Delhi.	21-03-2015	Paper Presented
7	Population Size and Amenities for Smart Cities: A Case Study of 2001 and 2011 Census of UP.	Smart Cities: Challenges and Vision Ahead. National Seminar organised by SBS College, University of Delhi.	06-04-2015	Paper Presented
8	Governance of Land Use Change and the Potential of Disaster: A Case Study of Alipur Block, Delhi.	Land Use Change, Climate Extremes and Disaster Risk Reduction. 9th IGU International Conference Organised by SBS College, University of Delhi.	18-03-2016	Paper Presented
9	Preparation of NAAC Peer Team Visit and SSR.	IGIPE&SS. University of Delhi.	26-08-2016	Resource Person
10	Human Response to Sustainable Traffic System: A Case Study of Delhi.	Making Cities Resilient; Post Habitat-3. National Seminar Organised by SBS College, University of Delhi.	04-02-2017	Paper Presentation in Seminar
11	Commercialization of Farmlands and Environmental Hazards in Bikaner district, Rajasthan.	Sustainable Development in Agriculture and Environment. National Seminar organised by Govt. College for Women, Rohtak.	09-02-2017	Paper Presentation in Seminar
12	Regional Marginalization As Byproduct of Tehri Hydel Development Project. A Case Study of Pratap Nagar Block, Tehri District, Uttaranchal.	D D College, SDSU University, Dehradun.	30-12-2017	Paper Presentation in Seminar
13	Environmental Challenges and Role of Society in Urban Megalopolis.	ESIC Dental College and Hospital, Rohini, Delhi.	07-08-2018	Resource Person
14	Perspectives of Geographical Assimilation of Societies in Western Rajasthan: A Micro Level Study.	Intellectual History and Changing Realities: India in 21st Century. National Seminar of ICSSR organised by JRN Rajasthan Vidyapeeth, Udaipur.	19-01-2019	Paper Presentation in Seminar
15	Relevance of Social Science, Social Values and Education: Theme Lecture.	Intellectual History and Changing Realities: India in 21st Century. National Seminar of ICSSR organised by JRN Rajasthan Vidyapeeth, Udaipur.	20-01-2019	Paper Presented in Conference



16	Attempting Cultural Stratification in India, Cultural Focus and its Centrifugality to the Periphery.	Intellectual History and Changing Realities: India in 21st Century. National Seminar of ICSSR organised by JRN Rajasthan Vidyapeeth, Udaipur.	20-01-2019	Paper Presentation in Seminar
17	Youth Leadership: Skill and Challenges.	SSN College, University of Delhi.	12-04-2019	Resource Person
18	Development of Geographical Institutions in India: Environmental Monitoring Society, Delhi.	National Seminar (online) organized by Madras University, Chennai.	07-09-2020	Presented Paper
19	NEXT-75: Population Growth	International Conference of Young Researchers. Organised by State Energy Corporation, Sochi, Russia.	16-12-2020.	Presented Theme Paper.
20	Water: Essence of Survival, Conservation about its Revolutionary Possibilities.	International Conference organized by International Geographical Union: India at Sukhadia University, Udaipur.	19-12-2020	Panelist in Panel Discussion.
21	Traditional and Modern Water Wisdom: Conservation, Treatment and Governance.	UGC Sponsored National Seminar organized by Aditi Mahavidyalaya, University of Delhi.	09-03-2021.	Panelist in Panel Discussion.
22	Climate Change and Pathways to Self-Reliant India.	National Seminar Organised by Jamia Millia Islamia, New Delhi.	15-03-2021	Chaired the Technical Session.
23	Exploring the Application of Solidarity Approach in Geography,	International Seminar organized by SBS College, University of Delhi.	06-04-2021.	Chaired the Technical Session

### Resource Person / Invited Lectures

S.No.	Title of the Invited Lecture delivered/Paper presented	Details of Conference / Seminar/ FDP and Organising Institution	Date of Presentation (yyyy-mm-dd)	Please select Invited Talk/Paper Presented
1	Settlement Geography of India	Centre for Entry into Services, Dibrugarh University, Assam	16-09-2014	Invited Lecture
2	Population Geography of India	Centre for Entry into Services, Dibrugarh University, Assam	16-09-2014	Invited Lecture
3	Concept of Economic Geography. Session 1.	Centre for Entry into Services, Dibrugarh University, Assam	16-09-2014	Invited Lecture
4	Concept of Economic Geography. Session 2.	Centre for Entry into Services, Dibrugarh University, Assam	16-09-2014	Invited Lecture
5	Concept of Economic Geography. Session 3.	Centre for Entry into Services, Dibrugarh University, Assam	16-09-2014	Invited Lecture
6	Geological Time Scale and Human Evolution	Department of Applied Geology, Dibrugarh University, Assam	17-09-2014	Invited Lecture
7	Evolution and Races of Mankind	Centre for Entry into Services, Dibrugarh University, Assam	17-09-2014	Invited Lecture
8	Geography of Tourism in India.	Centre for Management Studies, Dibrugarh University, Assam	18-09-2014	Invited Lecture
9	Morphology of Himalayas	Centre for Entry into Services, Dibrugarh University, Assam	28-01-2015	Invited Lecture
10	Origin of Himalayas	Centre for Entry Into Services, Dibrugarh University, Assam	28-01-2015	Invited Lecture
11	Relief and Structure of Peninsular Plateau of India. Session-1.	Centre for Entry into Services, Dibrugarh University, Assam	29-01-2015	Invited Lecture
12	Relief and Structure of Peninsular Plateau of India. Session-2.	Centre for Entry into Services, Dibrugarh University, Assam	29-01-2015	Invited Lecture
13	Relief and Structure of Peninsular Plateau of India. Session-3.	Centre for Entry into Services, Dibrugarh University, Assam	29-01-2015	Invited Lecture
14	Relief and Structure of Peninsular Plateau of India. Session-4.	Centre for Entry into Services, Dibrugarh University, Assam	29-01-2015	Invited Lecture
15	Industrial Geography of India	Centre for Entry into Services, Dibrugarh University, Assam	29-01-2015	Invited Lecture

16	Nature of Economic Activities of India	Centre for Entry into Services, Dibrugarh University, Assam	29-01-2015	Invited Lecture
17	Demographic Transition Model and Demographic Dynamics of India. Session-1.	Centre for Entry into Services, Dibrugarh University, Assam	30-01-2015	Invited Lecture
18	Demographic Transition Model and Demographic Dynamics of India. Session-2.	Centre for Entry into Services, Dibrugarh University, Assam	30-01-2015	Invited Lecture
19	Environmental Issues in the World	Centre for Entry into Services, Dibrugarh University, Assam	09-08-2015	Invited Lecture
20	Environmental Issues in India	Centre for Entry into Services, Dibrugarh University, Assam	09-08-2015	Invited Lecture
21	Concept of Environment and Ecology.	Centre for Entry into Services, Dibrugarh University, Assam	09-08-2015	Invited Lecture
22	Political Geography: Concepts.	Centre for Entry into Services, Dibrugarh University, Assam	09-09-2015	Invited Lecture
23	Natural Resources of India	Centre for Entry into Services, Dibrugarh University, Assam	09-09-2015	Invited Lecture
24	Mineral Resources of India	Centre for Entry into Services, Dibrugarh University, Assam	09-09-2015	Invited Lecture
25	Geopolitics of India.	Centre for Entry into Services, Dibrugarh University, Assam	09-09-2015	Invited Lecture
26	Primary Economic Activities in India.	Centre for Entry into Services, Dibrugarh University, Assam	09-10-2015	Invited Lecture
27	Commercial Geography of India	Centre for Entry into Services, Dibrugarh University, Assam	09-10-2015	Invited Lecture
28	Managing Academic Records for NAAC Peer Team Visit.	JRN Rajasthan Vidyapeeth, Udaipur.	11-01-2015	Resource Person
29	Demystifying NAAC	K. N. College, University of Delhi.	24-11-2015	Resource Person
30	NAAC Peer Team Visit and Departmental PPT. Session -1.	JRN Rajasthan Vidyapeeth, Udaipur.	22-11-2016	Resource Person
31	NAAC Peer Team Visit and Departmental PPT.. Session -2.	JRN Rajasthan Vidyapeeth, Udaipur	22-11-2016	Resource Person
32	Demystifying NAAC.	Aditi Mahavidyalaya, University of Delhi.	02-01-2017	Resource Person
33	Geological Time Scale and Human Evolution	FDP, KV (PGT) Teachers, KV Vikaspuri, Delhi	26-05-2017	Resource Person
34	Demographic Transition in India.	Govt. College for Women, Sector-14, Panchkula, Haryana.	16-09-2017	Resource Person
35	Preparation of NAAC	SSN College, University of Delhi.	24-11-2017	Invited Lecture
36	Demographic Transition Theory	FDP, KV (PGT) Teachers, KV Vikaspuri, Delhi	26-12-2017	Resource Person
37	Changing Demography of India.	Induction Course for PGT (Geography), Kendriya Vidyalaya, Vikas Puri, Delhi.	17-05-2018	Resource Person
38	Map Projections and Cartography	FDP, Kendriya Vidyalaya (PGT) Teachers, KV, Vikaspuri, Delhi-110059.	22-05-2018	Resource Person
39	Preparation of NAAC and SSR.	SPM College, University of Delhi.	25-09-2018	Invited Lecture
40	Mock Visit for NAAC	SPM College, University of Delhi.	21-02-2019	Resource Person
41	Mechanism of Climate of India.	In Service FDP for TGT (SST), Kendriya Vidyalaya, Sector-5, Dwarka, Delhi.	06-09-2019	Resource Person
42	Career Counselling for Services	CRSU, Jind, Haryana.	30-08-2019	Resource Person
43	Changing nature of Climate.	In Service FDP for TGT (SST), Kendriya Vidyalaya, Sector-5, Dwarka, Delhi.	25-12-2019	Resource Person
44	Judging the National Exhibition of 26 Pavilions of "Ek Bharat-Shreshth Bharat".	KVS (Kendriya Vidyalaya Sangathan) national exhibition at India Gate Lawn, New Delhi.	31-10-2019 to 2-11-19.	National Exhibition Judge.

45	Changing Human Perception Towards Natural Resources.	Webinar organised by Pacific University, Udaipur, Rajasthan.	12-06-2020	Resource Person
46	Ph.D Course Work: Research Methodology: Publication Ethics.	JRN Rajasthan Vidyapeeth University, Udaipur.	20-10-2020 to 21-10-2020	Invited Lecture.
47	Natural Resource Management and Sustainability.	FDP organised by Meera Girls College, Udaipur: Gyan Ganga, Commissionerate of College Education, Rajasthan.	22-01-2021	Resource Person

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

- **ICSSR : PDF SUPERVISOR**, Indian Council of Social Science Research Supervisor of **Post Doctoral Fellowship**-2019-21 of Dr. Sumitra on topic: Status and Implications of Legally Imprisoned Women: An Empirical Study of Rehabilitational Problems of Women in Society after Jail.
- **PH.D RESEARCH SUPERVISOR**, DEPARTMENT OF GEOGRAPHY, UNIVERSITY OF DELHI, ON “EXPLORING SOCIAL FABRIC FOR SUSTAINABLE DEVELOPMENT IN ALIGARH, U.P. (DEGREE AWARDED: Ms Arti Sharma).
- **PH.D RESEARCH SUPERVISOR: Ongoing**: DYNAMICS OF LAND USE AND ITS SOCIO-ECONOMIC AND ENVIRONMENTAL IMPLICATIONS INFLUENCING FOOD SECURITY: A CASE STUDY OF SONIPAT DISTRICT, HARYANA. (Researcher: Niraj Kumar).
- SUPERVISED **M. A. DISSERTATION** : DEPARTMENT OF ENVIRONMENTAL SCIENCE, UNIVERSITY OF DELHI, ON FLOOD WATER HARVESTING TECHNIQUES IN JHAJJAR DISTRICT, HARYANA. (Mr. Saurav Ghosh)
- SUPERVISED **M.Sc. DISSERTATION** : DEPARTMENT OF REMOTE SENSING & GEOINFORMATICS, MDS UNIVERSITY, AJMER, RAJASTHAN, ON FLOOD INUNDATION MAPPING AND DAMAGE ASSESSMENT USING REMOTE SENSING AND GIS TECHNIQUES. (Ms. Megha Bakshi)
- **PH. D EXAMINER**: DEPARTMENT OF GEOGRAPHY, JRN RAJASTHAN VIDHYAPEETH UNIVERSITY, UDAIPUR and PACIFIC UNIVERSITY, UDAIPUR.
- **Research Supervisor**: Listed in Department of Geography, University of Delhi.

### Creation of ICT mediated teaching learning pedagogy and content and development of new and innovative courses and curriculum

#	Category	Credits	Name of the Module	Subject	Organization for which it was developed	Year	Level	Link
1	Design of New Curricula and Courses	4 or greater than 4	Disaster Management	Geography	University of Delhi	2019	UG	<a href="http://du.ac.in/du/index.php?page=cbcs-syllabus">http://du.ac.in/du/index.php?page=cbcs-syllabus</a>
2	Design of New Curricula and Courses	4 or greater than 4	Environmental Geograohy	Geography	University of Delhi	2019	UG	<a href="http://du.ac.in/du/index.php?page=cbcs-syllabus">http://du.ac.in/du/index.php?page=cbcs-syllabus</a>
3	Design of New Curricula and Courses	4 or greater than 4	Geography of India (Hons.)	Geography	University of Delhi	2019	UG	<a href="http://du.ac.in/du/index.php?page=cbcs-syllabus">http://du.ac.in/du/index.php?page=cbcs-syllabus</a>

4	Design of New Curricula and Courses	4 or greater than 4	Geography of India (Prog.)	Geography	University of Delhi	2019	UG	<a href="http://du.ac.in/du/index.php?page=cbcs-syllabus">http://du.ac.in/du/index.php?page=cbcs-syllabus</a>
5	E-Content	4 or greater than 4	Urban Geography	Geography	Shivaji College	2018	UG	<a href="http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA">http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA</a>
6	E-Content	4 or greater than 4	Physical Geography	Geography	Shivaji College	2016	UG	<a href="http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA">http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA</a>
7	E-Content	4 or greater than 4	Human Geography	Geography	Shivaji College	2017	UG	<a href="http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA">http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA</a>
8	Development of Innovative Pedagogy	4 or greater than 4	Human Geography	Geography	Shivaji College	2016	UG	<a href="http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA">http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA</a>
9	E-Content	4 or greater than 4	Geography of India	Geography	Shivaji College	2018	UG	<a href="http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA">http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA</a>
10	E-Content	4 or greater than 4	Economic Geography	Geography	Shivaji College	2018	UG	<a href="http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA">http://m.youtube.com/channel/UC5SMjdGxCyD1Rq7yaA7bjTA</a>

## Awards and Distinctions

S.No	Name of Awarding Body	Name of Award/Honor	Date	Level
1	Lions Clubs International, District 321 A-2.	Teachers' Day Award-2012.	2012-09-04	National
2	India International Friendship Society	Rastriya Gaurav Award	2011-07-16	National
3	University of Delhi	Certificate of Appreciation for Research Display.	2016-11-19	National
4	University of Delhi (Anterdhawani)	Best Innovative Idea Award for Innovation Project, SHC-205.	2015-02-22	National
5	<b>University of Delhi</b>	<b>Teaching Excellence Award for Innovation</b>	<b>2015-05-01</b>	<b>National</b>

6	Govt. of NCT of Delhi	Meritorious Teachers Award	2018-04-02	National
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## Memberships

- **FOUNDER PRESIDENT OF FRINGE HABITAT INDIA** - Fringe Habitat India is committed towards creating awareness in Rural – Urban Fringe of Delhi about land use changes and consequences of its degradation.
- **FOUNDER AND TREASURER OF ENVIRONMENTAL MONITORING SOCIETY AT UNIVERSITY OF DELHI.**
- **LIFE MEMBER OF ASSOCIATION FOR GEOGRAPHICAL SOCIETY (A.G.S. ) AT UNIVERSITY OF DELHI. WORKED AS TREASURER FOR 2 YEARS AND SECRETARY FOR 4 YEARS.**
- **LIFE MEMBER OF NATIONAL ASSOCIATION OF GEOGRAPHER’S INDIA (NAGI).**
- **LIFE MEMBER : SURAJMAL EDUCATION SOCIETY, JANAK PURI, DELHI.**

## Other Academic Outreach Activities

**FIELD WORK SUPERVISION: LONG FIELD EXCURSIONS - 20 GROUPS OF STUDENT :**  
 Conducted and supervised exhaustive and comprehensive learning of Geographical issues through Nation wide Excursions. Field Visits conducted with undergraduate Geography Students as part of their academic curriculum.

1. **1991** - Sariska (Tiger Project) Alwar, Bharatpur. Study of two wildlife sanctuaries.
2. **1993** - Chennai, Ooty- Mysore study of Peninsular Relief.
3. **1994** - Vasco-Panjim –Goa – Study of Coastal Relief and Tourism.
4. **1997** - Udaipur Mount Abu – Socio Economic study.
5. **1999** - Mandleshwar-mandu – study of Narmada valley project.
6. **2000** - Parasia- Panharhi – study of Coal- Mining and Environment.
7. **2001** - Gangtok – Darjeeling – Siliguri – study of mountain Habitat.
8. **2002** - Jabalpur- Bilaspur-Vizag – Comparative study of rift valley, plain and coastal Features.
9. **2003** - Jodhpur- Jaisalmer-Mount Abu – Study of implication of Indira Gandhi Canal on desert.
10. **2006** - Manali- Manikaran study of Himalayan Morphology and Habitat.
11. **2007** - Anand- Khambat-Goa study of dairy Farming and Coastal Topography.

12. **2009** - Shiroda-Mangeshi-Sindhudurg, Maharashtra–Study of Environment and Habitat of Western Ghat.
13. **2011** - Karwar-Palolim – study of Displaced Farmers due to Naval base in Karnataka.
14. **2012** - Satari-Sanquilim – Goastudy of implications of ban on iron ore mining.
15. **2014** - Mandleshwar- Mandu- Ujjain – Comparative study of Narmada submersed area rehabilitation and Bhil tribal habitat of Malwa Plateau.
16. **2015** - Environmental study of Sariska National Park and Fetehpur Sikri.
17. **2016** - Panajim –Vasco-National Centre for Ocean and Antarctic Research.
18. **2017** - Amarkantak -Jabalpur, study of Maikal Plateau and its environment.
19. **2018** – Diu and Somnath, Gujarat : Socio Economic study of coastal habitat.
20. **2019**- Malvan-Sindhudurg, Maharastra: Cultural landscape of Western Ghat.

#### LOCAL EXCURSIONS – 12 TRIPS

- Conducted and supervised several local excursions in several fringe villages around Delhi to study the socio-economic life and impact of urban proximity. This study is conducted for B.A. (Hons) Geography students as part of their academic curriculum.
- 2018 – Yamuna Flood Disaster study area visit to Behlolpur, Sonipat, Haryana with 48 students.
- 2018 – Industrial Fire Disaster study area visit to Sultanpuri Delhi with 40 students.
- 2019 – Yamuna Flood Disater Study Area Visited to Manoli Toki, Sonipat with 45 students.
- 2019 – Slum Fire Disaster-prone habitation study area visited to JJ Cluster along railway track, Kirti Nagar, Delhi.
- 2020 – Yamuna Flood Prone Area field visit with 48 students at Manoli Toki, Sonipat.

#### CONSTRUCTIVE ACCOMPLISHMENTS :

1. Established 50 kwh capacity on-grid **rooftop Solar Power Plant** and accumulating carbon credits since 2015. Without subsidy and first individual plant of TPDDL discom, Delhi.
2. Installed 18 Kg./day Methane generating capacity **Bio-Gas plant** individually for environmental protection with the technical support of IIT, Delhi in 2017.
3. **Established FIAS (Fringe Institute of Advanced Studies) for online exams with 900 desk top computer facilities in Delhi.**

#### Cultural/Extracurricular Activities

- **PRESIDENT**, Jatav Cooperative Group Housing Society (Venus Apartments) for the **past 8 years**. Executed several successful projects on Safety, Tree Plantations (over 500), Parks Creation, Accounting Transparency etc
- **GENERAL SECRETARY**, Jatav Cooperative Group Housing Society (Venus Apartments)
  - Supervised construction of 108 HIG and MIG residential complex with high end amenities.
- **ENVIRONMENTAL CAMPAIGNS:** Conducted Environmental Awareness Seminars and Workshops in at least 15 villages of rural Delhi.

- **KAILASH MANSORAVAR YATRA** – Trekked Himalayas via Dharchula – Lipu Lekh Pass –Lake Mansarovar and Mt. Kailash in Tibet, 2012.
- **SPORTS:** Won Best in Physical Education Prize of the year (1984-85) at CIE, University of Delhi.
- **NSS:** Volunteer Member of K.M. College NSS for 3 years and organized several social service camps, tree plantation and traffic Control Program for Delhi Traffic Police (1981 – 1984).
- **NCC:** Active member of NCC at K. M. College, Attended NCC Camp at Shimla and PM Rally at Delhi.
- **BHARAT SCOUT :** Participated in a training camp at Haridwar Kumbh (1976) with First Aid Training.

**VISION FOR ACADEMIC PROGRESSION:**

- To develop literature in accordance with LOCF syllabus for undergraduate courses.
- To create MOOC modules and online lecture for public domain.
- To conduct specialized classes of final year students for admission in post-graduate and vocational courses.
- To involve students in Environmental Awareness programme as outreach activities.
- To procure research and innovation projects of social welfare.

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**Signature of Faculty Member**