

1. Details of the Teacher/ Academic :

Name:	Benidhar Deshmukh
Date of Birth	7 th July 1975
Date of Joining in IGNOU:	9 September 2010
Current Designation :	Professor
Pay Scale as on date :	Level 14
Highest Educational Qualifications	Ph.D. (Geology) Geology Discipline
School/ Division/ Institute/ Centre/ Cell	School of Sciences

2. Honour/Award/Fellowship/membership of Professional body/ Statutory body (internal/ external) received by the Teacher/ Academic:

Name of the recipient	Honour /Award/ Fellowship name/ membership of Professional body/ Statutory body	Agency name /Name of statutory body/ institution/ Apex body	Period
Dr. Benidhar Deshmukh	Member, Expert Committee, Brainstorming session for finalizing the scheme & syllabus w.r.t introduction of New PG Program in Applied Geoinformatics	University School of Environment Management, GGS IP University, Delhi	24 December 2024
Dr. Benidhar Deshmukh	Member, Board of Studies, USEM, GGS IP University, New Delhi	University School of Environment Management, GGS IP University, Delhi	2023-25
Dr. Benidhar Deshmukh	Lead Speaker & Jury Member (in the Earth Sciences discipline) in 15 th & 16 th Uttarakhand State Science and Technology Congress (USSTC) 2020-22	Uttarakhand State Council for Science & Technology, Dehradun	22-24 June 2022
Dr. Benidhar Deshmukh	Sectional Committee Member	Earth System Sciences Section of Indian Science Congress Association	2019-20
Dr. Benidhar Deshmukh	Academic Expert member for Quality Benchmarking Committee	Defence Terrain Research Laboratory, DRDO, Delhi	January 2020
Dr. Benidhar Deshmukh	Lead Speaker in 13th Uttarakhand State Science and Technology Congress (USSTC) 2018-19	Uttarakhand State Council for Science & Technology, Dehradun	27 th Feb. 2019
Dr. Benidhar Deshmukh	Invited Speaker, Earth Science Section, 106th Indian Science Congress	ISCA and Lovely Professional University, Jalandhar	5 Jan 2019
Dr. Benidhar Deshmukh	Jury Member	16 th Chhattisgarh Young	27-28 February

	(for two themes)	Scientist Congress	2018
Dr. Benidhar Deshmukh	Member, Selection panel	C-DAC, Pune	2008-09
Dr. Benidhar Deshmukh	Best technical paper presentation	9th Annual Int. Conf. Map India 2006	February 2006
Dr. Benidhar Deshmukh	Research Associateship	Defence Terrain Research Laboratory, Defence R&D Organisation	2 years (but availed from 20 July to 13 Oct. 2006)
Dr. Benidhar Deshmukh	Research Associateship	Defence Terrain Research Laboratory, Defence R&D Organisation (DRDO)	2 years (18 June 2004 to 17 June 2006)
Dr. Benidhar Deshmukh	Junior Research Fellowship	Space Applications Centre, Indian Space Research Organisation (ISRO)	22 Jan. 1999 to 31 Mar 2004
Dr. Benidhar Deshmukh	Life Member	Geological Society of India (0118)	2022 onwards
Dr. Benidhar Deshmukh	Member	International GeoScience Education Organisation	February 2019 onwards
Dr. Benidhar Deshmukh	Life Member	Indian Science Congress Association (L-27850)	2015 onwards
Dr. Benidhar Deshmukh	Fellow	Society of Earth Scientists, Lucknow	2008 onwards
Dr. Benidhar Deshmukh	Life Member	Indian Society of Geomatics (L-745)	2003 onwards
Dr. Benidhar Deshmukh	Life Member	Indian Society of Remote Sensing (L-2034)	2002 onwards
Dr. Benidhar Deshmukh	University Gold Medal (1 st in University Merit list of M.Sc. Geology)	Pt. R.S. University, Raipur	1997
Dr. Benidhar Deshmukh	National Service Scheme 'C' Certificate	Pt. R.S. University, Raipur	1997
Dr. Benidhar Deshmukh	National Service Scheme 'B' Certificate	Pt. R.S. University, Raipur	1995
Dr. Benidhar Deshmukh	National Service Scheme 'A' Certificate	Pt. R.S. University, Raipur	1992

3. Books/Book Chapter:

- Co-author/co-editor if any, title, place of publication, publisher, Year, page (no) s, ISBN No

SNo.	Name of Author1/ Editor 1, & Co- author (s) / Co-editor (s) (if any)	Title of chapter/book	Place of publication	Publisher	Year	Total Pages	ISBN No.
	Kumar, R., Devrani, R., Pundir, S., Lone, I.U., Adlakha, V., Sathunuri, K.,	Soil Loss Rates in Trans-Himalayan Region: Case Study of Shyok Suture Zone, Ladakh,	DOI:10.1002 /9781394157365	John Wiley & Sons Ltd.	2023	243-263, 416p.	9781394157334

	Deshmukh, B. and Kumar, A., Editor(s): Virendra Bahadur Singh, Sughosh Madhav, Nareesh Chandra Pant, Ravi Shekhar	India					
	V.K. Verma (Contributing Editors: Devesh Walia, Benidhar Deshmukh)	Geomorphology (With Indian Examples)	Jaipur	Rawat Publications	2023	408	9788131613184
	Rohit Kumar, Rahul Devrani, and Benidhar Deshmukh (Eds. Manish Pandey, Prem Pandey, Shridhar Jawak, Aman Arora, Yogesh Ray and U.K. Shukla)	A Review of remote sensing and GIS-based soil loss models with a comparative study from the Upper and Marginal Ganga river basin, in Advances in Remote Sensing Technology and The Three Poles (A multidisciplinary approach to the study of the Arctic, the Antarctic and the Himalaya),	-	John Wiley & Sons	2023	20	1119787726, 978-1119787723,
	Rohit Kumar, Rahul Devrani, Astha Dangwal, Benidhar	Extreme hydrological event induced temporal variation in soil erosion of the Assiganga	-	John Wiley & Sons	2023	17	1119787726, 978-1119787723,

	Deshmukh, and Som Dutt	River basin, NW. Himalaya, in Advances in Remote Sensing Technology and The Three Poles (A multidisciplinary approach to the study of the Arctic, the Antarctic and the Himalaya), (Eds. Manish Pandey, Prem Pandey, Shridhar Jawak, Aman Arora, Yogesh Ray and U.K. Shukla)					
	N. Singh, E. Chakraborty, S. Shekhar, A.K. Singh, P. Kumar, M.K. Gaur, R. Kumar, S. Acharjee, K. Rajendra, B. Deshmukh, M.C. Sharma, S. Chopra, Y. Singh	Sand Dunes Morphology and Migration in Shyok Valley, Ladakh Himalaya, India, Chapter 19, in Sand Dunes of the northern hemisphere: Distribution, Formation, Migration and Management (Eds. Lu Qi, Mahesh K. Gaur & Victor R. Squires) Vol. 1 Formation and evolution of dune landscapes	-	CRC Press	2023	315-324	0367646056, 978-0367646059
	Benidhar Deshmukh (Editor)	MPA-027 Geoinformatics in Disaster Risk Reduction	New Delhi	IGNOU	2024		
	Benidhar Deshmukh	Unit 2: Geomorphology	New Delhi	IGNOU	2022		

	& Omkar Verma	y of India in Block-1 of course BGYET- 147 Geomorpholog y and Geotectonics, (Ed- A.K. Biyani) https://egyankosh.ac.in/handle/123456789/87653					
		Unit-13 Characteristics of Digital Remote Sensing Images , In: Course: Remote Sensing and Image Interpretation (MGY-102)	New Delhi	IGNOU	2023		
		Unit-15 Image Pre-processing Methods In: Course: Remote Sensing and Image Interpretation (MGY-102)	New Delhi	IGNOU	2023		
		Unit-12 Ground Truth Data Collection , In: Course: Remote Sensing and Image Interpretation (MGY-102)	New Delhi	IGNOU	2023		
		Unit 10: Elements of Visual Interpretation and Interpretation Keys. In:	New Delhi	IGNOU	2023	33-56	978-93-5568- 997-9

		Course: Remote Sensing and Image Interpretation (MGY-102)					
		Unit 1: <u>Geoinformatics: An Introduction</u> , In: Course: Overview of Geoinformatics(MGY-101)	New Delhi	IGNOU	2023		
		<u>Unit-2 Multidisciplinary Nature of Geoinformatics</u> , In: Course: Overview of Geoinformatics(MGY-101)	New Delhi	IGNOU	2023		
		<u>Unit-3 Recent Trends</u> , In: Course: Overview of Geoinformatics(MGY-101)	New Delhi	IGNOU	2023		
		<u>Unit-4 Introduction to Geospatial Data</u> In: Course: Overview of Geoinformatics(MGY-101)	New Delhi	IGNOU	2023		
		<u>Unit-5 Sources of Raster Data</u> In: Course: Overview of Geoinformatics(MGY-101)	New Delhi	IGNOU	2023		

		<u>Unit-6</u> <u>Sources of</u> <u>Vector</u> <u>Data</u> In: Course: Overview of Geoinformati cs(MGY- 101)	New Delhi	IGNOU	2023		
		<u>Unit-7</u> <u>Overview of</u> <u>Geospatial</u> <u>Data</u> <u>Analysis</u> <u>Tools-I</u> In: Course: Overview of Geoinformati cs(MGY- 101)	New Delhi	IGNOU	2023		
		<u>Unit-8</u> <u>Overview of</u> <u>Geospatial</u> <u>Data</u> <u>Analysis</u> <u>Tools-II</u> In: Course: Overview of Geoinformati cs(MGY- 101)	New Delhi	IGNOU	2023		
	Benidhar Deshmukh	Unit 8: Aeolian and Coastal Landforms in Block-2 of course BGYET- 147 Geomorpholog y and Geotectonics, (Ed- A.K. Dubey) https://egyankosh.ac.in/handle/123456789/87670	New Delhi	IGNOU	2022		
	Benidhar Deshmukh and Astha	Experiment 2: Getting Familiar with	New Delhi	IGNOU	2022		

	Dangwal	Geomorphic Maps in the course BGYEL-148 Geomorphology and Geotectonics: Laboratory, (Ed- A.K. Dubey) https://egyankosh.ac.in/handle/123456789/87651					
	Benidhar Deshmukh and Rohit Kumar	Experiment 3: Delineating and Ordering Streams in the course BGYEL-148 Geomorphology and Geotectonics: Laboratory, (Ed- A.K. Dubey) https://egyankosh.ac.in/handle/123456789/87651	New Delhi	IGNOU	2022		
	Benidhar Deshmukh and Rohit Kumar	Experiment 4: Analysing Drainage Morphometry in the course BGYEL-148 Geomorphology and Geotectonics: Laboratory, (Ed- A.K. Dubey) https://egyankosh.ac.in/handle/123456789/87651	New Delhi	IGNOU	2022		
	Benidhar Deshmukh and Rohit Kumar	Experiment 5: Preparation of Longitudinal Profile of A River	New Delhi	IGNOU	2022		

		in the course BGYEL-148 Geomorphology and Geotectonics: Laboratory, (Ed- A.K. Dubey) https://egyankosh.ac.in/handle/123456789/87651					
	Benidhar Deshmukh, A.A. Quarshi, Rohit Kumar, and Rohitash Kumar	Experiment 9: Observation of Geomorphic Features and Processes in the course BGYEL-148 Geomorphology and Geotectonics: Laboratory, (Ed- A.K. Dubey) https://egyankosh.ac.in/handle/123456789/87651	New Delhi	IGNOU	2022		
	Benidhar Deshmukh	<u>Unit-6</u> <u>Geospatial</u> <u>Tools</u> In Block-2 Collection of Data of the Course MEV-019 Research Methodology for Environmental Science https://egyankosh.ac.in/handle/123456789/90485	New Delhi	IGNOU	2022	23 Pages (124-146)	
	Benidhar Deshmukh	<u>Unit-7</u> <u>Introduction</u> <u>to remote</u> <u>sensing</u>	New Delhi	IGNOU	December 2019	21 pages (37-57)	978-93-89499-65-0 For PG

		In Block-2 of the Course MEV-024 Climate Change Assessment Tools (Eds. V. Venkat Ramanan and Shah, S.) https://egyankosh.ac.in/handle/123456789/59996					Certificate in Climate Change (PGCCC) programme
	Benidhar Deshmukh	Unit-13 Introduction to geoinformatics in climate change studies In Block-4 of the Course MEV-024 Climate Change Assessment Tools (Eds. V. Venkat Ramanan and Shah, S.) https://egyankosh.ac.in/handle/123456789/60012	New Delhi	IGNOU	December 2019	23 pages (5-27)	978-93-89499-66-7 For PG Certificate in Climate Change (PGCCC) programme
	Benidhar Deshmukh	UNIT 4 Minerals: The Building Blocks of Rocks in Block-2 of course BGYCT-133 CRYSTALLOGRAPHY, Mineralogy and Economic Geology (Ed- J. P.	New Delhi	IGNOU	December 2019	30 pages (83-112)	978-93-89969-67-2

		Shrivastava) https://egyankosh.ac.in/handle/123456789/58934					
	Benidhar Deshmukh	UNIT 5 Classification of Minerals in Block-2 of course BGYCT-133 CRYSTALLOGRAPHY, Mineralogy and Economic Geology (Ed- J. P. Shrivastava) https://egyankosh.ac.in/handle/123456789/58934	New Delhi	IGNOU	December 2019	20 pages (113-132)	978-93-89969-67-2
	S.D. Shukla, and Benidhar Deshmukh	Unit 2: Earth and Solar System in Block-1 of course BGYCT-131 Physical and Structural Geology (Ed- V. K. Verma) http://egyankosh.ac.in/handle/123456789/53278	New Delhi	IGNOU	August 2019	26 Pages (27-52)	978-93-89668-11-7
	S.D. Shukla, and Benidhar Deshmukh	Unit 3: Structure and Composition of the Earth in Block-1 of course BGYCT-131 Physical and Structural Geology (Ed- V. K. Verma) https://egyankosh.ac.in/handle/123456789/53	New Delhi	IGNOU	August 2019	20 Pages (53-72)	978-93-89668-11-7

		280					
	Benidhar Deshmukh	EXPERIMENT 4 Identification of Geomorphic Features from Block Models in the course BGYCL-132 Physical and Structural Geology: Laboratory (Ed- H.B. Srivastava) https://egyankosh.ac.in/handle/123456789/53280	New Delhi	IGNOU	August 2019	14 pages (51-64)	978-93-89668-19-3
	Benidhar Deshmukh	EXPERIMENT 6 Identification of Folds from Block Models in the course BGYCL-132 Physical and Structural Geology: Laboratory (Ed- H.B. Srivastava) https://egyankosh.ac.in/handle/123456789/53280	New Delhi	IGNOU	August 2019	10 pages (76-85)	978-93-89668-19-3
	Benidhar Deshmukh	EXPERIMENT 7 Identification of Faults from Block Models in the course BGYCL-132 Physical and Structural Geology: Laboratory (Ed- H.B. Srivastava) http://egyankosh.ac.in/handle/123456789/53278	New Delhi	IGNOU	August 2019	15 pages (86-100)	978-93-89668-19-3
	Benidhar	Space, GIS and	Jaipur	Rawat	2019	12	978-81-316-

	Deshmukh	Geospatial Analysis in Anthropology, in <i>Issues and Perspectives in Anthropology</i> , (Ed. R. Sinha)		Publicati on			0875-3
	Rohit Kumar and Benidhar Deshmukh (Eds. Dr. B. Rupini, Dr. S. Baskar, Dr. S. Sahoo and Prof. N. S. Kapur)	Soil loss Assessment using Geospatial technology: Challenges and Opportunities with reference to the Chambal basin, central India, in <i>Environmental and Ecological Sustainability</i>	New Delhi	IGNOU	2018	13	978-93-87960-94-7
	Sivakumar, V., Deshmukh, B. , Rajmohan, S., Ramkumar, T. and Vasudevan, S. (Eds.: Ramkumar, T., Vasudevan, S., Ramesh, G., Rajmohan, S.)	Role of Computational Intelligence in Remote Sensing Data Processing for Geological Applications, Chapter 1 in <i>Geospatial Technology: Significance and Applications</i>	Chennai	Geetham Publicati ons	2016	9	978-93-83812-41-7
	Benidhar Deshmukh , M. Mishra and K. Gogoi, (Eds.: Jha, A. K. and Singh, S.P.)	Geospatial Education in India: Present Scenario, Chapter 22, In <i>Dimensions of Education</i>	Delhi	Renu Publisher	2016	14	978-93-85502-08-8
	M. Mishra, K. Gogoi and Benidhar	Status of Women in Geoscience Education in	New Delhi	Renu Publisher	2016	12	978-93-85502-08-8

	Deshmukh (Eds.: Jha, A. K. and Singh, S.P.)	India, Chapter 26, In <i>Dimensions of Education</i>					
	Shah, D.G. and Deshmukh, B. (Ed.: Shamita Kumar)	Data Importing and Visualisation, Exercise 3, In <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	7	978-81-266- 6634-8
	Shah, D.G. and Deshmukh, B. (Ed.: Shamita Kumar)	Georeferencin g, Exercise 4, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	9	978-81-266- 6634-8
	Shah, D.G. and Deshmukh, B. (Ed.: Shamita Kumar)	Digitisation, Exercise 5, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	12	978-81-266- 6634-8
	Shah, D.G. and Deshmukh, B. (Ed.: Shamita Kumar)	Editing Vector Data, Exercise 6, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	11	978-81-266- 6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Attribute Data Management, Exercise 7, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	6	978-81-266- 6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Checking Data Quality, Exercise 8, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	3	978-81-266- 6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Image Transformatio n, Exercise 11, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	4	978-81-266- 6634-8

	Deshmukh, B. (Ed.: Shamita Kumar)	Aerial Photo Interpretation, Exercise 12, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	2	978-81-266-6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Visual Image Interpretation, Exercise 13, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	6	978-81-266-6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Digital Classification (Unsupervised), Exercise 14, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	6	978-81-266-6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Digital Classification (Supervised), Exercise 15, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	5	978-81-266-6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Ground Truthing and Accuracy Assessment, Exercise 16, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	4	978-81-266-6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Change Analysis, Exercise 21, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	6	978-81-266-6634-8
	Deshmukh, B. (Ed.: Shamita Kumar)	Case Study, Exercise 23, in <i>MGYL-004 Geoinformatics Practical</i>	New Delhi	IGNOU	2013	2	978-81-266-6634-8
	Deshmukh, B. (Ed.: A. Bahuguna)	Ground Truth Data Collection, Unit 9, In <i>Block-3 Image</i>	New Delhi	IGNOU	2012	20	978-81-266-5968-5

		<i>Interpretation, MGY-002 Remote Sensing and Image Interpretation,</i>					
	Murali, O.M. and Deshmukh, B. (Ed.: S.M. Parihar)	Geoinformatics : An Introduction, Unit 1, In <i>Block-1 Overview of Geoinformatics , MGY-001 Introduction to Geoinformatics</i>	New Delhi	IGNOU	2012	20	978-81-266-5844-2
	Deshmukh, B. (Eds: Partheeban, P. and Arunbabu)	Issues confronting remote sensing based change detection of coastal zones, Chapter 19, Lecture Notes, <i>Advanced Training Program on Application of GIS, GPS and RS for Disaster Management of Coastal Region</i>	Chennai	Charulatha Publications	2007	10	NA
	Bahuguna, A., Nayak, S. and Deshmukh, B. (Ed.: A. Tripathi)	IRS views the Adams Bridge (bridging India and SriLanka), Chapter 26 in <i>Remote Sensing and Archaeology</i>	Delhi	Sundeep Publication	2005	5	81-7574-155-4

4. Research Articles/Publications:

SNo.	Author/ Co-author (if any)	Title	Name of Journal	Volume	page no. (s)	Year	ISSN No
1.	Quarshi, A.A., Deshmukh, B.,	Glacier inventory and five decadal glacier response: A case study of	Journal of Earth System Science, https://doi.org/10.1007/s12040-024-	133(4)	18 pages	2024	0973-774X

	Chandra, R. and Chatterjee, S.	Rongdo basin, Eastern Karakoram, Ladakh	02449-2				
2.	Singh, B., Venkatramanan, V. & Deshmukh, B.	An integrated approach for analysing land surface temperature, heatwave and air pollution for sustainable planning in Delhi and its environs, India	Environment Development and Sustainability, https://doi.org/10.1007/s10668-024-05542-0	-	32 pages	2024	1387-585X
3.	Kumar, R., Khaira, J. K., Ahmed, R., Devrani, R., & Deshmukh, B.	Land degradation vulnerability mapping using geospatial techniques: a case study of Nandakini River basin, NW Himalaya, India	International Journal of River Basin Management, https://doi.org/10.1080/15715124.2024.2396141	-	1-16	2024	1814-2060
4.	Quarshi, A.A., Deshmukh, B. and Chandra, R.	Landscape and Landform Mapping in the Rongdo Basin, Eastern Karakoram, Ladakh, India	Journal of the Geological Society of India, https://doi.org/10.1007/s12040-024-02449-2	100(5)	683-691	2024	0974-6889
5.	Rohitash Kumar, Sourish Chatterjee, Rohit Kumar and Benidhar Deshmukh	Characteristics of Tidal Zone in Kalubhar Island, Gulf of Kachchh, Gujarat and Its Geomorphological Implications	Journal of Geosciences Research, http://dx.doi.org/10.56153/g19088-022-0095-20	8(1)	58-62	2023	2455-1953
6.	Bhavna Singh, V. Venkatramanan and Benidhar Deshmukh	Monitoring of land use land cover dynamics and prediction of urban growth using Land Change Modeler in Delhi and its environs, India	Environmental Science and Pollution Research https://doi.org/10.1007/s11356-022-20900-z	29	71534–71554	2022	1614-7499
7.	Rohit Kumar,	Using Google Earth Engine and	Journal of Earth System Science	131	228	2022	0973-774X

	Benidhar Deshmukh, and Amit Kumar	GIS for basin scale soil erosion risk assessment: A case study of Chambal river basin, central India	https://link.springer.com/article/10.1007/s12040-022-01977-z				
8.	Rohit Kumar, Hasan Raja Naqvi, Rahul Devrani, Benidhar Deshmukh and Jr-Chuan Huang	Sediment Yield Assessment, Prioritization and Control Practices in Chambal River Basin Employing SYI Model	Journal of Geological Society of India https://doi.org/10.1007/s12594-022-2215-7	98	1585 - 1594	2022	0974-6889
9.	Sureel Srivastava, Benidhar Deshmukh , and T. Ramkumar	Situation Analysis for Route Planning in Hilly Terrain	Journal of Scientific Research DOI: 10.37398/JSR.2022.660305	66(3)	33-41	2022	0447-9483
10.	Kakoli Gogoi, Benidhar Deshmukh , Meenal Mishra, M. Prashanth, Omkar Verma	Need Assessment for Masters in Geoinformatics in Open and Distance Learning: An Initiative towards NEP-2020	Indian Journal of Open Learning http://journal.ignouonline.ac.in/index.php/IJOL/article/view/862/184	31(1)	99-114	2022	0971-2690
11.	Kumar, A., Kumar, S. and Deshmukh, B.	Geoecological integrity index for assessment and prioritisation of watersheds in the Indian northwestern Himalayan region using geoinformatics	Journal of Earth System Science https://doi.org/10.1007/s12040-020-01537-3	130	19	2021	0973-774X
12.	Amit Kumar and Benidhar Deshmukh	Criterial Based Selection of Watershed for Prioritisation and Conservation	Journal of Remote Sensing & GIS	12(1)	43-51	2021	2230-7990
13.	Shah, A., Deshmukh, B. and	A review of approaches for water depth	World Water Policy,	6(1)	152-167	2020	2639-541X

	Sinha, L.K.	estimation with multispectral data	https://onlinelibrary.wiley.com/doi/full/10.1002/wwp2.12029				
14.	Benidhar Deshmukh, Kakoli Gogoi and Meenal Mishra	Capacity Building of Teachers in Geospatial Technology,	Staff and Educational Development International	23(2)	67-76	2019	0971-9008
15.	Singh, N., Ali, S., Raju, N.J., Singh, Y., Rajendra, K., Kumar, M., Deshmukh, B. , Jharia, D.C., Kumar, V., Sharma, M.C., Chakraborty, E., Siddiqui, M.A., and Singh, A.	Dataset on mapping and morphometry of sand dunes in Nubra and Shyok Valleys, Ladakh Himalaya, India	Indian Journal of Scientific Research	10(1)	11-19	2019	0976-2876
16.	Kumar, Amit and Deshmukh, B.	A Review on 'Geo-ecological Studies - An Interdisciplinary Approach for Evaluation and Sustainable Management of 'Geo-ecosystems'	Jour. of Geological Society of India	86	605-612	2015	0016-7622
17.	Kumar A., Devi M. and Deshmukh B.	Integrated Remote Sensing and Geographic Information System Based RUSLE Modelling For Estimation of Soil Loss In western Himalaya, India	Water Resources Management	28	3307 – 3317	2014	0920-4741
18.	Kumar, A., Dhiman, R. and Deshmukh,	Morphometric analysis of watersheds of Kangra region of	Himalayan Geology	35 (1)	47-55	2014	0971-8966

	B.	Indian Himalaya for assessing its fluvial erosion susceptibility					
19.	Sivakumar, V., Biju, C. and Deshmukh, B.	Hypsometric Analysis of Varattaru River Basin of Harur Taluk, Dharmapuri Districts, Tamilnadu, India using Geomatics Technology	International Journal of Geomatics and Geosciences	2(1)	241-247	2011	0976-4380
20.	Roychowdhury, P., Deshmukh, B. , Prasad, S.S. and Goswami, A.	Neural network based dunal landform mapping from multispectral images using texture features	IEEE Jour. of Selected Topics in Applied Earth Observation and Remote Sensing	4(1)	171-184	2011	1939-1404
21.	Gogoi, K., Mishra, M. and Deshmukh, B.	Post graduate certificate in geoinformatics at IGNOU-A tool for skill enhancement for women empowerment	Mahila Pratishtha	4(4)	165-174	2019	2454-7891
22.	Deshmukh, B. , Gogoi, K., and Mishra, M.	Reaching the unreached through geoscience and geospatial education at IGNOU for societal benefits.	Asian Journal of Multi-dimensional Research	8(6)	114-123	2019	2278-4853
23.	Gogoi, K., Deshmukh, B. and Mishra, M.	Addressing Perception of Geoethics Through Geoscience Curriculum at IGNOU	Educational Quest: An International Journal of Education and Applied Social Science	8(2)	503-508	2017	2230-7311
24.	Gogoi, K., Deshmukh, B. and Mishra, M.	Challenges and Opportunities in Geoscience Education in Open and Distance Learning: Indian Scenario	Learning Community: An Int. Jour. of Educational and Social Development	7(2)	117-126	2016	0976-3201
25.	Deshmukh, B.,	Eco-geomorphological	Photonirvachak: Journal of Indian	33 (1)	99-106	2005	0255-660X

	Bahuguna, A., Nayak, S.R., Jagtap, T.G. and Dhargalkar, V.K.	zonation of Bangaram atoll, Lakshadweep	Society of Remote Sensing				
26.	Shah, D. G., Bahuguna, A., Deshmukh, B. , Nayak, S. R., Patel, B. H. and Patel, S.	Zoning and monitoring dominant mangrove communities of a part of the Marine National Park, Gulf of Kachchh	Photonirvachak: Journal of Indian Society of Remote Sensing	33 (1)	155-164	2005	0255-660X
27.	Bahuguna, A., Nayak, S. and Deshmukh, B.	IRS views the Adams Bridge (bridging India and SriLanka)	Photonirvachak: Journal of Indian Society of Remote Sensing	31 (4)	237-239	2003	0255-660X

5. Policy Documents Reports/ Mimeos:

SNo.	Title	Institution/ Agency	Year
1.	<i>Erosion map of India</i> , 3 Technical Report, NRSC-RSAA-LRUMG-SLRAD-Jan.,2014-TR/Erosion, 11p. http://bhuvan.nrsc.gov.in/gis/thematic/tools/document/ER/er.pdf Digital Database (Erosion maps of Bihar State) at 1:50000 scale available at http://bhuvan-noeda.nrsc.gov.in/gis/thematic/index.php under http://bhuvan3.nrsc.gov.in/applications/bhuvanstore.php	NRSC, ISRO	2014
2.	<i>Salt-Affected and Waterlogged Areas of India</i> , Technical Report, NRSC-RSAA-LRUMG-SLRAD-Jan.,2014-TR/SAWL, 10p. http://bhuvan-noeda.nrsc.gov.in/gis/thematic/tools/document/ALK/alk.pdf Digital Database (Salt affected and water logged area maps of Bihar) at 1:50000 scale available at http://bhuvan-noeda.nrsc.gov.in/gis/thematic/tools/document/ALK/MAP/10.pdf and http://bhuvan-noeda.nrsc.gov.in/gis/thematic/index.php under http://bhuvan3.nrsc.gov.in/applications/bhuvanstore.php	NRSC, ISRO	2014
3.	<i>Natural Resource Census Database - Land Use Land Cover</i> , Technical Report - Ver.1, NRSC-RS&GISAA-LRUMG-LUCMD-NOV.,2011-TR-295, http://bhuvan-noeda.nrsc.gov.in/gis/thematic/tools/document/LULC/BR.pdf	NRSC, ISRO	2014
4.	<i>Land Use Land Cover Atlas of India (Based on Multi-temporal Satellite Data of 2005-06)</i> , NRSC-RS&GISAA-LRG_LUD-MARCH 11-A243, Land Use Division, RS & GIS Applications Area, NRSC, ISRO DigitalDataset (<i>Land Use Land Cover Maps of India</i>) at 1:50000 scale available at	NRSC, ISRO	2011

	http://bhuvan-noeda.nrsc.gov.in/gis/thematic/index.php under http://bhuvan3.nrsc.gov.in/applications/bhuvanstore.php		
5.	<i>Coastal erosion assessment of Outer Wheeler Island (OWI), Technical Note, Defence Terrain Research Laboratory (DRDO), Delhi, DTRL/2005/Geo-Environment/10, 21p.</i> By Prusty, G., Kalra, M.K. and Deshmukh, B.	DTRL, DRDO	2005
6.	<i>Eco-morphological zonation of selected coral reefs of India using remotely sensed data,</i> Scientific Note, SAC/RESIPA/MWRG/MSCED/SN/16/2003, Marine and Water Resources Group, Space Applications Centre (ISRO), Ahmedabad, 109p.	SAC, ISRO	2003

6. MOOCs/ eSLMs/ eModules developed :

S N o.	Author/ Co- author (if any)	Title	Credits	Level	Host Portal: (SWAYAM/ NPTEL/ NMEICT/ ePG Pathshala/ Any Other)	Year	Weblink
1	Benidhar Deshmukh	M-14 Coastal Zone and Coastal Processes for Course- M.Sc. (Environmental Science); Paper- P-04 Environmental Geology		PG	e-PG Pathshala (MHRD) (All 4 Quadrants)	2019	https://epgp.inflibnet.ac.in/Home/ViewSubject?catid=0Xvq9yUM2ILDrJ07FvIArQ==

7. Presentation/Invited talk/Chair in National or International Seminar/Conference/ Workshops(Please do not mention if it is only participation without presentation)

SNo.	Author/ Co author (if any)	Title of presentation, /Talk/Lecture	Name Organizing institute	Conference	City	Date and Year
1	Dr. Benidhar Deshmukh	Invited Lecture: Coastal Environment and Disaster	University School of Environment Management, GGS IP University, Delhi and National	Faculty Development Programme	GGS IP University, New Delhi	20-08-2024 11:40-12:30 pm

			Institute of Disaster Management, New Delhi			
2	Dr. Benidhar Deshmukh	Invited Lecture: Coastal Disaster Management'	UGC-HRDC, BPSMV Khanpur Kalan, Sonipat.	Two weeks Online Refresher Course on Sustainable Environment and Disaster Management: Indian Perspective organized from 6th -19th February 2024	Online	17th February 2024
3	Dr. Benidhar Deshmukh	Invited Lecture: Coastal processes and ecosystem related studies	UGC-Sponsored Online Centre, Bharathidasan University Khajamalai Campus Tiruchirappalli - 620 023, TN	Refresher Course in Geo Sciences & Geo-Informatics (Interdisciplinary) of Human Resource Development	Online	21.11.2023 Tuesday (10.00 a.m. to 11.30 a.m.)
4	Dr. Benidhar Deshmukh	Invited Guest Lecture: Fundamentals of Remote Sensing and G.I.S as per the PG curriculum	Guest lecture series sponsored under PM-USHA scheme.	Govt. VYT PG Autonomous College, Durg, Chhattisgarh	Durg	from 5th February, 2024 to 13th February, 2024
5	Dr. Benidhar Deshmukh	Invited Lead Speaker (in the Earth Sciences discipline): Assessment of Soil Erosion Risk in parts of Northern and Central India	Uttarakhand State Council for Science & Technology, Dehradun	15 th & 16 th Uttarakhand State Science and Technology Congress (USSTC) 2020-22	Dehradun	22-24 June 2022
6	Benidhar Deshmukh	Invited Lecture: Coastal Processes and Landforms	Deptt., of Geology, Govt. V.Y.T. Autonomous PG College, Durg and Deptt., of Geology, Govt. B.P.D. P.G. College, Kanker, C.G.	Guest lecture series	Durg, C.G.	25th Nov. 2021
7	Benidhar	Invited Lecture:	Deptt., of Geology,	GIS Day	Durg,	17th Nov.

	Deshmukh	An Introduction to Remote Sensing and GIS	Govt. V.Y.T. Autonomous PG College, Durg and Deptt., of Geology, Govt. B.P.D. P.G. College, Kanker, C.G.		C.G.	2021
8	Benidhar Deshmukh	Invited Lecture: Image Processing in QGIS and Environmental Applications	R.P.S. Degree College, Mahendergarh, Haryana and SSN College, Delhi University	two Week Online Faculty Development Programme on "Application of Geographical Information Systems" from 06-19 July, 2021	virtual	12-13th July 2021
9	Benidhar Deshmukh	Invited talk: Issues in use of Remote Sensing in Coastal Disaster Studies	Department of Geology, Bundelkhand University, Jhansi, U.P., India; Institute of Geology, Karelian Research Centre, Russian Academy of Sciences, Petrozavodsk, Russia and Government Degree College, Gururabanj, Almora, Uttarakhand, India	International Webinar on Natural Hazards and Management 19-20 November, 2020	Virtual	19th Nov. 2020
10	Benidhar Deshmukh	Delivered 4 invited lectures on aspects of Remote Sensing, Digital Image Processing and DEM Applications	Human Resource Development Centre, Rani Durgawati VishvaVidyalaya, Jabalpur	Online Refresher Course on Remote Sensing and Relief Feature	Virtual	14th-15th October 2020
11	Benidhar Deshmukh	Invited talk: 'Image Transformation'	Bansur PG College, Alwar in association with K.G. Reddy College of Engg & Tech., Hyderabad, and Deptt. Of Geography, IASE, Churu	One Week Online Faculty Development Program on Open Source GIS Software during 06 to 12 August, 2020.	Virtual	8th August 2020
12	Benidhar Deshmukh	Invited talk: 'Image Enhancement'	C. R. S. University, Jind, Haryana	one week Online Capacity Building Training Programme in Geoinformatics	Virtual	30th July 2020
13	Benidhar Deshmukh	Invited talk: 'Digital Image Processing'	H.N.B. Garhwal University, Srinagar	One Week Online Faculty Development	Virtual	25th July 2020

				Program on 'Open Source GIS Software - QGIS'		
14	Benidhar Deshmukh	Invited talk: 'IPR – A Global Scenario'	Dev Sanskriti College of Education and Technology, Durg, C.G.	National Webinar on IPR	Virtual	17th July 2020
15	Benidhar Deshmukh	Invited Lecture series: On the Course Geomorphology and Remote Sensing	School of Studies in Geology and Water Resources Management, Pt. R.S.S. University,	for M.Sc. Geology	Raipur, C.G.	21-25 October 2019:
16	Benidhar Deshmukh	Invited Lecture: Geospatial Technologies in Spatial Planning	Amity School of Architecture and Planning, Amity University	Guest lecture	Noida	20th September 2019
17	Benidhar Deshmukh	Invited talk: Offering Lab Based GIScience Programme Through ODL	NCIDE, IGNOU	Seminar on Innovative Practices in IGNOU	New Delhi	22nd April, 2019
18	Benidhar Deshmukh	Invited Lead Speaker (in the Earth Sciences discipline): Geospatial Technology in Landform mapping: Recent developments	UCOST, Dehradun	13 th Uttarakhand State Science and Technology Congress	Dehradun	27 Feb 2019
19	Benidhar Deshmukh	Invited Speaker: Geological Applications of Geospatial Technology: Potentials and Constraints	Lovely Professional University, Indian Science Congress Association	106 th Indian Science Congress	Jalandhar	5 Jan 2019
20	Benidhar Deshmukh	Invited Lecture: Use of GPS and Aerial Photographs	SOS, IGNOU	DST-Vigyan Jyoti Residential Programme on Breaking Stereotypes in the Field of Science and Technology for Girl Students through Motivational Guidance		16 June 2018
21	Benidhar Deshmukh	Invited Lecture: Applications of Geospatial Technology	SOS, IGNOU	DST-Vigyan Jyoti Residential Programme on Breaking Stereotypes in the Field of Science		8 th June 2018

				and Technology for Girl Students through Motivational Guidance		
22	Benidhar Deshmukh	Invited Lectures: Digital Image Processing & Application of Remote Sensing techniques in land use -land cover mapping	Department of Geology, Govt. V.Y.T. PG Autonomous College,	Guest lecture series	Durg (C.G.).	26 Feb 2018
23	Benidhar Deshmukh	Conference presentation: Distance Education in Geospatial Technology at IGNOU and its Implication for Teacher Education	School of Education, IGNOU	National Conference on Teacher Education through Open and Distance Learning: Challenges and the Road Ahead	New Delhi	27-29 March 2017
24	Benidhar Deshmukh	Conference presentation: Geospatial Technology Education at IGNOU - Experiments and Innovation	STRIDE, IGNOU	International Seminar on Skill Development through ODeL: Innovations, Entrepreneurship, Employment for Inclusive and Sustainable Livelihoods	New Delhi	7-9 March. 2017
25	Benidhar Deshmukh	2 Invited Lectures as resource person	UGC-HRDC, Aligarh Muslim University, Aligarh	Winter School on Application of Remote Sensing and GIS in Natural Resource Management	Aligarh , U.P.	18 Jan 2017
26	Benidhar Deshmukh	Invited Lectures for course: Extension Lectures in RS & GIS in Marine Applications course	School of Studies in Earth Science, Jiwaji University	Extension Lectures	Gwalior, M.P.	19-20 Dec 2015
27	Benidhar Deshmukh	Conference Presentation: Space, GIS and Geospatial Analysis in Anthropology	School of Social Sciences, IGNOU, New Delhi	National Seminar on Anthropology- Unveiling the Mystique	New Delhi	October 28-29, 2015
28	Benidhar Deshmukh	Conference Presentation: Imparting Geospatial Education in ODL Mode at IGNOU: Initial experience	Sidana Institute of Education, Amritsar, Punjab	International Conference of the Learning Community on Quest for Excellence in Higher Education	Amritsar, Punjab	17-18 Oct. 2015

29	Benidhar Deshmukh	Conference Presentation: Zonation and condition of coral reefs of the Gulf of Kachchh	Jawaharlal Nehru University, New Delhi	16th Conference of International Association for Mathematical Geosciences on Geostatistical and Geospatial approaches for the characterization of natural resources in the Environment: Challenges, Processes and Strategies	New Delhi	17-20 October 2014
30	Benidhar Deshmukh	Invited Talk: Topographic and Volumetric Change Assessment using ASTER, SRTM and Cartosat DEMs	Pt. R. S. University,	National Seminar on Recent Researches in Earth and Atmospheric Sciences (RREAS 2014)	Raipur, C.G.	Feb 2014
31	Benidhar Deshmukh	Co-chaired a session	Pt. R. S. University,	National Seminar on Recent Researches in Earth and Atmospheric Sciences (RREAS 2014), Pt. R.S. University, Raipur	Raipur, C.G.	February 2014
32	Benidhar Deshmukh	Invited Lectures : Extension Lectures in RS & GIS in Marine Applications course	School of Studies in Earth Science, Jiwaji University	Extension Lectures	Gwalior, MP	30 Nov. – 1 Dec 2013
33	Benidhar Deshmukh	Invited Lecture: Coastal Disaster Management	Academic Staff College, JNU	Refresher Course on Disaster Management	New Delhi	Nov 2013
34	Benidhar Deshmukh	Invited Talk: Geoinformatics for Mine and Coastal Environment Monitoring	Amity University, Noida, UP	Faculty Development Programme	Noida, UP	May 2013
35	Benidhar Deshmukh	Invited Talk: Coastal Applications	GGs IP University	DST Sponsored training programme on Geospatial Technology & Application	New Delhi	Feb 2013
36	Benidhar Deshmukh	Invited Lectures for 2 courses: Extension Lectures in RS & GIS in Marine Applications and Digital Image Processing courses	School of Studies in Earth Science, Jiwaji University	Extension Lectures	Gwalior, MP	17-20 Oct 2012

37	Benidhar Deshmukh	Invited lecture: RS & GIS applications for coastal ecosystem studies, for MSc. Geoinformatics	BVIEER, Bharti Vidyapeeth	Extension Lectures	Pune	Aug 2010
38	Benidhar Deshmukh	Invited lecture: Remote sensing: Basics and its application for geological studies, for B.Sc. & M.Sc. Geology,\	Govt. VYT PG Autonomous College,	Extension Lectures	Durg, C.G.	2010 & 2008
39	Benidhar Deshmukh	Invited Talk: Issues confronting remote sensing based change detection of coastal zones	St. Peters College	DST sponsored Advanced Training Program on Application of GIS, GPS and RS for Disaster Management of Coastal Region	Chennai	2007

8. Consultancy assignment (if any):

SNo.	Organization/ agency	Cost, title of consultancy	Duration

9. Details of Institution/ Government/ Industry / own Institution Sponsored Research Projects (including Programme Evaluation) and Amount (Both completed and ongoing):

SNo.	Agency	Amount	Duration with dates	Status i.e. ongoing/ completed
1	Science & Engineering Research Board, New Delhi Title: Monitoring ecological integrity and its impact on local communities in the Alaknanda river basin	29.7236 Lakhs	Dec. 2021 - June. 2025	Ongoing
2	National Remote Sensing Centre (NRSC), Department of Space, Govt. of India, Hyderabad Title: Land Degradation Mapping of Bihar state using Multi-temporal data (under the National Natural Resources Census Programme)	31.72 Lakhs	2008 -2010	Completed

10. Details of PhD and MPhil Scholars (including those awarded degree):

SNo.	Name and enrolment no:	Year of registration	Year of completion/ award
1	Soumya Shambi (Rg. No. 2300016RSP, Registered at TERI, New Delhi)	Jan 2024	In progress

2	Faisal Imam Umrani (En. No. 210270150)	June 2022	In progress
3	Rohitash Kumar (En. No. 198570270)	July 2019	In progress
4	Anayat Ahmad Quarshi (En. No. 188500450)	July 2018	2024
5	Sourish Chatterjee (En. No. 179341959)	December 2017	2024
6	Rohit Kumar (En. No. 173101886)	April 2017	2023
7	Amit Kumar (En. No. 127723726)	October 2012	2018

11. Details of Programmes/ Courses coordinated/ written/ edited/ translated, if applicable):

SN o.	Programme	Course	Unit (print)/ Audio/Video/ eSLM	Coordinated/Written / Edited (content/ language/ format)/ Translated	Period
	MSCGI	MGYL-104, MGY-005, MGYL-008, MGY-010, MGYL-012	Units/Exercises	Programme Coordinated	2020 onwards
	PGDGI	MGYL-104, MGY-005, MGYL-008, MGY-010, MGYL-012	Units/Exercises	Programme Coordinated	2020 onwards
	PGCGI	MGYL-104,	Units/Exercises	Programme Coordinated	2020 onwards
	ACE	ACE	Units	Programme Coordinated	2017 onwards
	PGCGI (old)	MGY-001, MGY-002, MGY-003 & MGYL-004	Units/Exercises	Programme Coordinated	2010-till date
	PGCGI (old)	MGY-001, MGY-002 & MGY-003	Videos	Content Coordinated for 13 videos	2014-till date
	PGCGI (old)	MGYL-004	Exercises	Coordinated and written 13 Exercises	2012-till date
	B.Sc. (Gen.) with Geology	BGYCT-131	Unit	Coordinated and written 1 unit	2016-till date
	B.Sc. (Gen.) with Geology	BGYCL-132	Experiments	Coordinated and written 3 Experiments	2016-till date
	B.Sc. (Gen.) with Geology	BGYCT-133	Units	Coordinated and written 2 Units	2016-till date
	B.Sc. (Gen.) with Geology	BGYCL-134	Experiments	Coordinated	2016-till date
	PGCGI (old)	MGY-001, MGY-002, MGY-003 & MGYL-004		Transformation of courses MGY-001, MGY-002, MGY-003 & MGYL-004	2011-2014
	B.Sc. (Gen.) with Geology	BGYCT-131, BGYCT-132		Transformation and vetting of Hindi versions of BGYCT-	2013-2022

				131, BGYCT-132 courses of BSc. General with Geology.	
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12. Training programmes designed and conducted, duration and dates

SNo.	Programme	Dates	Place	Number of Participants
1	Summer training organised by the Geology Discipline	45 days during May-June 2017	School of Sciences, IGNOU, New Delhi	4 UG students in Earth Science of Amity University, Gurgaon
2	Bachelors Dissertation	2 months (Dec 2016 - Jan 2017)	School of Sciences, IGNOU, New Delhi	1 student of Integrated B.A.L.L.B., MATS Law School, MATS University, Raipur
3	Masters Dissertation	2 months (June-July 2013)	School of Sciences, IGNOU, New Delhi	3 PG students of M.Sc. (Remote Sensing & GIS) of Jiwaji University, Gwalior
4	Masters Dissertation	3 months (may-July 2012)	School of Sciences, IGNOU, New Delhi	3 PG students of M.Sc. (Remote Sensing & GIS) of Jiwaji University, Gwalior

13. Details of Counselling sessions conducted:

SNo.	Program me	Course	Place	Dates	Duration	Mode (Specify- Face to Face Radio counselling Teleconferencing Web conferencing Any Other)
	ACE	ACE	New Delhi	Third Wednesdays of March and September every year	3 hours each	Web conferencing
	PGCGI, PGDGI and MSCGI,	All courses	New Delhi	July 2024, April May 2023, October 2023 to Jan 2024, April to May 2022	2 to 4 Hours each	Online
	BSCG		New Delhi	2020		Online
	PGCGI	MGY001, 002, 003 & MGYL-004	Study centre in Delhi	From July 2014 cycle to till date	2 hours for theory and 4 hours for each practical session	Face to face Counselling

	PGCGI and B.Sc. (Gen.) with Geology	MGY001, 002, 003 & MGYL-004	Delhi	From 2014 to till date	1 hour each	Interactive Radio Counselling – 14 sessions ,
	PGCGI	B.Sc. (Gen.) with Geology	Delhi	From 2014 to till date	Varied	Teleconferencing - 2sessions
	PGCGI	B.Sc. (Gen.) with Geology	Delhi	From 2014 to till date	Varied	Web conferencing - 2sessions
	PGCGI and B.Sc. (Gen.) with Geology	MGY001, 002, 003 & MGYL-004	Delhi	From July 2014 cycle to till date	-	Web based counselling

14. Details of Patents granted (if any):

15. Contribution to IGNOU's corporate life:

SNo.	Chairperson/ Member of Committee	Name of the Committee	Date/ period
1.			

16. Administrative position/s held in the University (even as in charge)

SNo.	Designation	Period
1	Member, MSc programmes Coordination Committee of SOS	2024 onwards
2	Member, School Board of School of Sciences	2020 onwards
3	Coordinator, Gyandarshan TC sessions of the School of Sciences	2021 to 2024
4	Member, BDP Coordination Committee of SOS	2020 onwards
5	Discipline Group Coordinator	2011-12 & 2018-19
6	Member, School Council of School of Sciences	2010 onwards
7	Member of the Committee for Equitable distribution of resources of SOS	2015-onwards
8	Member of the Committee for General Cleanliness in SOS	2015-2022
9	Faculty Convener of the School Council of School of Sciences	2016-2018
10	Member of the Committee for student support in SOS	2013-2015
11	Member School Board of School of Sciences and the School Board Standing Committee	2013-2015
12	Faculty Convener of the Committee for developing draft policy for conduct of lab courses	2014-2015
13	Faculty Convener of Committee For Recommending strategies for Counseling, Student support & alternative methods for Continuous Assessment of students of SOS	2015-2016
14	Member, IT Committee of the School of Sciences	2010-2012, 2022 onwards

17. Any other contribution/information

- Completed special training programme on **Hyperspectral and Microwave Remote Sensing for Planetary and Geological Applications** conducted by Indian Institute of Remote Sensing, ISRO, Dehradun during 9-20 December 2024.
- Member, Organizing Committee and Editorial Committee, ISGNS 2023, National Symposium on "Exploring the Geospatial Ecosystem, Trends, and Innovations" being organised by Indian Society of Geomatics and Indian Society of Remote Sensing, Pune Chapter during 28-30 November 2023 at Pune.
- Provided review services to the Journals –**Journal of Indian Society of Remote Sensing, Geoheritage, Geomorphology, IEEE-JSTARS, IEEE-TGRS, Journal of Geological Society of India, Applied Remote Sensing, Trends in Soil Sciences and Plant Nutritions.**
- Participated in 3 day training workshop on **Creative and Innovative Use of Google Tools to Develop Programme Specific WEAS Portals** conducted by NCIDE, IGNOU, New Delhi during 17-19th October 2022.
- Participated in online workshop on **Scientific Project Management (SPM) 2022** conducted by IISER, Pune during 10-14th January 2022.
- Completed NASA's Applied Remote Sensing Training Program on Hyperspectral Data for Land and Coastal Systems during Jan-Feb 2021.
- Reviewed two papers for International Conference on **Intelligent Computing and Remote Sensing (ICICRS 2019)** held on 19-20 July 2019 in C.V. Raman College of Engineering, Bhubaneswar, Odisha.
- Vetted syllabus of Thermal and Hyperspectral Remote Sensing of M.Sc. GIS and Remote Sensing Program, Amity University, Noida, May 2019.
- Reviewed curriculum as External examiner of AAB: Disaster Risk Management, Global Warming and Urban Heat, Watershed Management, and Climate Change Adaptation & Mitigation, Amity University, Noida, May 2019.
- Co-chaired a session in 106th Indian Science Congress, Indian Science Congress Association, organised by Lovely Professional University, Jalandhar, 5 Jan 2019.
- Invited Member, CBSE Committee to review the curriculum of Skill Courses of Classes IX–XII for Geospatial Technology, 5th Nov. 2018.
- Invited Member for Vetting syllabus of course NRG 173 Principles of Remote Sensing M.Sc. Geoinformatics, TERI School of Advanced Studies, May 2018.
- External Academic Member in JRF Recruitment Board, Defence Terrain Research Laboratory, DRDO, Delhi, 2014-2018.
- Invited Member, Curriculum development workshop for M.Sc. Geoinformatics programme of TERI School of Advanced Studies, 13th December 2017.
- Extension lectures, Jiwaji University, Gwalior, 2013-onwards.
- Participated in two days workshop on **Creative Use of ICT Tools: Towards Innovative Learning Solutions** held during 9-10th April 2019 at IGNOU.
- Participated in one day workshop on **Approval and Launch of New Academic Programmes and Revision/Addition/Delition of Course(s) in Existing Programme**, held at STRIDE, IGNOU, New Delhi on 28th Feb. 2019.
- Participated in half day workshop on **Intellectual Property Rights** under the aegis of Institution's Innovation Council (IIC) organised by NCIDE at IGNOU, New Delhi on 13th December 2018.
- Attended International Conference on Environmental and Ecological Sustainability: Engaging the Stakeholders, by School of Interdisciplinary and Trans-disciplinary Studies, at IGNOU, New Delhi on 4-5th October 2018.
- Participated in two days training programme on **Big Data Analytics** organised by MERIT at New Delhi on 24-25th June 2018.

- Participated in one day seminar on **Innovative Ways of Offering Lab-based, Skill Development and Technical Programmes in the Context of the UGC Regulation on ODL, 2017** at IGNOU on 12 Dec 2017.
- Participated in two days workshop on **Assignment in Open and Distance Learning**, Organised by Staff Training and Research institute of Distance Education (STRIDE), IGNOU, New Delhi in January 2014.
- Attended two days pre conference IAMG 2014 short course on **Mathematical Morphology in Geosciences and Geoinformatics** during 15-16th October 2014 at JNU, New Delhi.
- Attended one week DST sponsored training on **Hyperspectral Remote Sensing of Water** at IIT Kharagpur in March 2013.
- Participated in two week workshop on **Video Production**, Organised by Electronic Media Production Center (EMPC), IGNOU, New Delhi in October 2013.
- Attended a two day NAAC sponsored workshop on **Quality Enhancement through Innovations in Teaching, Learning, Evaluation and Implementation of Healthy Practices** on 8-9th Feb 2013 at Govt. VYT Autonomous College, Durg.
- Attended one week Induction programme on '**Distance Education: Theory and Practice**' Conducted by Staff Training and Research institute of Distance Education (STRIDE), IGNOU, New Delhi in October 2010.
- Attended 5 day workshop on **Technical Writing** organised by CrackerJack WordSmiths, Pune in 2007.
- Received training on **Erdas LPS Photogrammetry s/w** from Leica Inc. at C-DAC, Pune in July 2009.
- Attended one week DST sponsored training on **Imaging Spectroscopy** at IIT Bombay in December 2008.
- Attended one week ISRO sponsored training on **Microwave Remote Sensing** at IIRS, Dehradun in 2007.
- Received training on **GeoMedia Professional** and **GeoMedia Grid** ver. 5.1 from Rolta Inc. in 2005.
- Assisted in conducting various training programmes and imparted training to scientific personnel and officials of five Indian (Govt.) agencies on application of remote sensing data for coastal habitat studies at the Space Applications Centre, Ahmedabad, India during 2002-2004.

Signature of Teacher /Academic