

Curriculum Vitae

Dr. Surendra Vikram Singh Padiyar

Assistant Professor

Department of Mathematics,

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Google Scholar I.d.:

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<https://www.scopus.com/authid/detail.uri?authorId=57297936900>

SCI Profile: <https://sciprofiles.com/profile/2652541>

1. Academic Qualification (Undergraduate Onwards)

S. No	Degree	Year	Subject	University /Institution	Roll No	Rank or Percentage
1	B. Sc	2011	Mathematics, Chemistry, Physics	Kumaun University Nainital	13120250058	53.25
2	M. Sc	2013	Mathematics	Kumaun University Nainital	1113700012	76.52
3	CSIR NET	June 2014	Mathematics		418269	55
4	CSIR NET	Dec 2014	Mathematics		416689	39
5	CSIR NET	June 2016	Mathematics		416085	22
6	CSIR NET	Dec 2016	Mathematics		415497	18
7	CSIR NET JRF	June 2017	Mathematics		416117	67

8	Ph. D	2022	Mathematics (Applied Mathematics)	Kumaun University		
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Ph. D thesis title: Multi Echelon Supply Chain Models with Imperfect Production for Deteriorating Items under Imprecise and Inflationary Environment

2. Work experience:

S. No	Position	Name of the Institute	From	To
1	Assistant Professor	Govt. P. G. College Champawat	01-10-2014	25-03-2015
2	Assistant Professor	Govt. P G. College Karnaprayag	08-08-2016	21-02-2017
3	Assistant Professor	Govt. P. G. College Rudrapur	23-02-2017	30-06-2017
4	Assistant Professor	M. B. P. G. College Haldwani	09-08-2017	06-11-2019
5	Assistant Professor	Govt. P. G. College Joshimath	11-11-2019	16-12-2021
6	Assistant Professor	Govt. College Haldwani City	17-12-2021-	30-06-2023
7	Assistant Professor	Govt. Degree College Rudrapur	06-07-2023	03-08-2024
8	Assistant Professor	Govt. Degree College Khatima	06-08-2024	Till date

3. Publications (List of papers published/ Accepted in journal)

S. N.	Research paper Title	Name of Journal	Year	Vo.	Page No.	ISSN	I.F.
1	Inventory system with price dependent consumption for deteriorating items with shortage under fuzzy environment	Int. J. Sustainable Agricultural Management and Informatics (ESCI) (SCOPUS)	2021	7(3)	218-231	2054-5827	0.195
2.	Benefits of Preservation, Green and Quality improvement investment for waste management in sustainable supply chain under fuzzy learning and inflation	Contemporary Mathematics ESCI , SCOPUS , WEB	2024	5(1)	326-364	2705-1064	0.6

		OF SCIENCE					
3	Multi echelon fuzzy inventory model for perishable items in a supply chain with imperfect production and exponential demand rate	Int. J. Process Management and Benchmarking (SCOPUS)	2023	14(1)	23-51	1741-816X	
4	'Joint replenishment strategy For deteriorating multi items through multi echelon supply chain model with imperfect production under imprecise and inflationary environment	RAIRO - Operations Research (SCIE) (SCOPUS) (IAOR)	2022	56(4)	3071-3096	0399-0559	1.8
5	Production policy for an integrated inventory system under cloudy fuzzy environment	International Journal of Applied Decision Sciences (SCOPUS)	2023	16(3)	255-299	0304-0941	
6	A Multistage sustainable inventory model with backorder, fuzzy parameters and decision variable for deteriorating items with imperfect production and reliability.	International Journal of Applied Decision Sciences (SCOPUS)	2023	16(4)	445-473	1755-8085	
7	Three-Echelon Supply Chain Management With Deteriorated Products under the Effect of Inflation	MATHEMATICS (MDPI) SCIE SCOPUS Q1	2023	11(1)	1-19	2227-7390	
8	An integrated inventory model for imperfect production process having preservation facilities under fuzzy and inflationary environment	International journal of Mathematical Modeling and numerical optimisation SCOPUS	2022	12(3)	252-286	2040-3615	
9	Multi echelon supply chain inventory model for perishable items with fuzzy deterioration rate and imperfect production with	International Journal of Business Performance and Supply	2023	14(2)	144-172	1758-941X	

	two warehouse under inflationary environment	Chain Modelling (SCOPUS)					
10	Green production inventory model for with remanufacture process and backordering under the reverse logistics	Bulletin Monumental (WEB OF SCIENCE)	2021	22 (8)	192-197	0007-473X	3.9
11	Imperfect Production Process in an Integrated Inventory System Having Multivariable Demand with Limited Storage Capacity	Design Engineering (SCOPUS)	2021	2021 (9)	1505 - 1527	0011-9342	1.41
12	A Mathematical Imperfect Production Inventory Problem for Perishable Items Considering Two Different Warehouses under Fuzzy Environment	International Journal of Innovative Research in Technology	2021	8(7)	330-339	2349-6002	0.76
13	Synthesis, Charecterization and Antifungal Activity of Iron (Iii) Derivatives of N-[O-Hydroxy Substituted (Or H) Benzyl] Glycines	International Journal of Pharmaceutic al Research and Applications	2021	6(6)	939-948	2249-7781	6.79
14	Imperfect Production Inventory Model with Selling Price Dependent Demand Rate and Reliability under the Inflationary and Fuzzy Environment	International Journal of Engineering Science and Computing	2021	11 (12)	2910 9-2911 6	2321 3361	5.61 1
15	Integrated supply chain model for imperfect production and fuzzy parameters with probabilistic demand pattern, and variable production rate under the environment of inflation	Journal of Emerging Technologies and Innovative Research	2021	8 (11)	a630 - a641	2349-5162	7.95
16	Production Inventory model with limited storage problem for perishable items under learning inspection with fuzzy parameters	Design Engineering (SCOPUS)	2021	2021 (9)	1282 1-1283 9	0011-9342	1.41
17	Green integrated model for imperfect Production Process under Reliability	<i>Journal of Mathematical Control</i>	2022	8(1)	1-13	0979-0570	

		<i>Science and Applications (SCOPUS)</i>					
18	A study of integrated fuzzy inventory model when deterioration and inflation rate are uncertain	<i>International Journal of Novel Research and Development</i>	2022	7(5)	165-182	2456-4184	8.76
19	Modelling And Analysis On Green Inventory Model With Shortage Space For Imperfect Quality Of Deteriorating Items With Trapezoidal Type Demand Mathematical Modelling And Analysis On Green Inventory Model With Shortage Space For Imperfect Quality Of Deteriorating Items With Trapezoidal Type Demand	NeuroQuantology SCOPUS	2022	20(14)	2468-2478	1303-5150	0.453
20	A fuzzy inventory problem base don management for deteriorating item with remanufacture process	Stochastic modelling and Applications	2022	26(3)	447-460		
21	Mathematical Model for inventory management for perishable items with shortage and selling price dependent demand	International Journal of Mathematics and Statistics Invention (IJMSI)	2023	11(5)	2321-4759	2321-4767	
22	Review on Green Inventory Model and Reverse Logistic	European Chemical Bulletin	2023	12(10)	4254-4267	2063-5346	3.71
23	Two-level trade credit policy approach for a production inventory model under greening degree dependent demand and reliability	European Chemical Bulletin	2023	12(10)	4278-4291	2063-5346	

24	Review paper on qualitative analysis of phytochemicals of cassia occidentalisinn	European Chemical Bulletin	2023	12(10)	4196-4202	2063-5346	3.7
25	'An EPQ model with different demand rate and deteriorating items with two warehouses under shortage, learning and imperfect production	<i>European journal of industrial Engineering (SCIE) (SCOPUS)</i>	2025	19(2)	109-127	1751-5262	1.9
26	Development trust among customer and producer Inventory Model, when demand dependent on selling price with shortage under the environment of uncertainty	IJADS (SCOPUS)	2025	18(2)	189-214	1755-8085	
27	Efficient Management of deteriorating ítems with volumen agility and time- dependent demand under imperfect production	Int. J. of Applird Decision Sciences (SCOPUS)	2024				
28	An Imperfect Production inventory model for Instantaneous deteriorating ítems with preservation investment under inflation on time value of money	Contempory Mathematics ESCI SCOPUS Web of Science	2024	5(2)	2271-2295	2705-1064	
29	Integrated Inventory Model with Inflation for Deteriorating Items	Asian Research Journal of Mathematics	2024	20(2)	37-47	2456-477X	
30	Digitalization and Rural Development	Third concept an international journal of ideas(UGC CARE)	2024	38(46)		0970-7247	
31	A Critical Analysis of History and Nature	Third concept an international	2024	38(46)	168-173	0970-7247	

	of Indian Education System	journal of ideas (UGC CARE)					
32	Reliable supply chain to deliver inventory to consumers with exponential demand with the effect of inflation on the model over time	Journal of Mountain Research (WEB OF SCIENCE)	2024	19(1)	355-370	0974-3030	
33	Low carbon sustainable inventory model with screening and rework process under preservation technology investment	Web of Science, SCOPUS (AIP)	2024		030001-10		
34	Harnessing the power of Ancient Wisdom: Exploring the techniques of Vedic mathematics	International journal of statistic and applied mathematics (NAAS RATING)	2024	9(4)	40-42	2456-1452	
35	Thermal stability of micro polar fluid layer in the presence of horizontal magnetic field under variable gravity	Punjab university journal of mathematics					

4. Honorary, Chief Editor, Founding editor, Associate editor/Editorial Board member/Reviewer

- 1- Associate editor in Ratio Mathematica (ITALY)
- 2- Reviewer of ABCD Indexing (2023)
- 3- Reviewer of American journal of Mathematical and Computer Modelling, from June 30-2023 to June 30, 2026
- 4- Reviewer of International journal, Journal pencilian chanos
- 5- Reviewer for 2nd international conference on computational applied sciences and its applications(2023)
- 6- Editorial Board member in SCIREA Journal of Mathematics
- 7- Editorial Board member in World Journal of Mathematics

- 8- Editorial Board member in International Journal of operations Research and Management Science Journal
- 9- Life member of international institute of organized research
- 10- Member of International Association of Computer Science and Engineering Research (Till November 2024)
- 11- Reviewer for Advances in Science, Technology and Engineering System Journal.
- 12- Peer Reviewing in B.P. International Book

5. Communicating (List of papers communicate in journal)

S. No	Research Paper Title	Name of Journal	Year	ISSN	I.F
1	A production inventory model for deteriorating items having imperfect production process with inflation under the effect of learning and forgetting	Int. j. of Learning and change (SCOPUS)	2023		
2	A Sustainable Inventory Model of Imperfect Products with Price and Carbon Emission Reduction Dependent Demand under Inflationary and Fuzzy Environment	RAIRO SCIE (SCOPUS)	2023		
3	Two echelon supply chain inventory model with reverse logistics under carbon tax policy	OPSEARCH (SCOPUS)	2023		
4	Green Integrated Production Inventory Model for Decaying Raw Materials with Reverse Logistics and Preservation Investment under Fuzzy Environment	RAIRO SCIE (SCOPUS)	2023		
5	Mathematical model for plastic recycling plant and analysis of green supply chain model under conditionally permissible delay-in-payment and reverse logistics	Engineering Applications of Artificial Intelligence (Science Citation Index Expanded, SCOPUS Web of Science)	2023		
6	Modelling and optimization for a multi-stage sustainable supply	Engineering Applications of	2023		

	chain model under the effect of a cloudy fuzzy environment for growing items and reliability	Artificial Intelligence (Science Citation Index Expanded, SCOPUS Web of Science)			
7	Sefeguarding of inventories with Green and Preservation Investment and key approach to two level trade credit policy	SCOPUS	2023		
10	Integrated Inventory Model for Perishable Items with Price and frequency of advertisement and Inventory Level Dependent Demand Rate under Inflationary Environment with the Effect of Imperfect Production Process.	SCOPUS			
11	Reliable supply chain to deliver inventory to consumers with exponential demand with the effect of inflation on the model over time.	JMR (WEB OF SCIENCE)			
12	Seasonal Effect on a Reverse Logistics Inventory Model for deteriorating items with trade credit period under carbon tax policy				
13	Inventory model with hybrid cash-advanced payment with environmental preferences with different condition				
14	Impact of inflation on inventory management when demand depends on selling price and, there is uncertainty about the timing of reproduction after a shortage				
15	Green Inventory System with energy consumption demands and preservation of goods Under, inflationary environmental conditions.	IJADS(SCOPUS)	2023		
16	Integrated Supply Chain imperfect production inventory				

	model using green product with carbon emissions				
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6. Details of Seminar/ Conference/ Workshop/ Orientation:

S. No	Title	Dates	Organizing Institute	National/ International/ State Level	Presented/ Participated
1	Protection of R & D Outcome Through Intellectual Property Rights	27 March 2017	Govt. P. G. College Rudrapur	Regional Workshop	Participated
2	Research Methodology Workshop	04-24 Dec. 2017	M. B. P. G. College Haldwani		Participated
3	Emerging Trends in Engineering Management & Science	27-28 April 2019	Graphic Era Hill University Bhimtal	International conference	Presented
4	Vedic Mathematics	17-23 Nov. 2020	Banaras Hindu University	National workshop	Participated
5	Sustainable Development Modeling and Optimization	16-17 Feb. 2021	Operational Research Society of India Meerut Chapter	International conference	Presented
6	Integrity of Mathematics in Advancement of Science Technology and Management	25-26 March 2021	M. B. P. G. College Haldwani	National Conference	Presented
7	Research Methodology and Scientific Components for an Empirical Study in Research	15-21 April 2021	Genesis of Education Impressions Roorkee		
8	Modern Instrumental and Characterization Techniques in Biotechnology & Applied Sciences	3-4 Sep. 2021	Miet Group of Institutions Haldwani	National Conference	Presented
9	Optimization: Fuzzy logic and MATLAB	25-26 march 2022	Department of Mathematics Chaudhary Charan Singh	National Conference	Presented

			University, Meerut		
10	Hand on Training on solving differential equation in engineering sciences	June 21-25, 2022	National Institute of Technology, Utrakhand	National workshop	Participated
11	National Education Policy-2020 Admission Guidelines in University of Utrakhand	13 August 2022	Government Degree College Haldwani City	State level workshop	Participated
12	International Workshop on Vadic Mathematics	22-28 August 2022	Department of Mathematics Chaudhary Charan Singh University, Meerut	National workshop	Participated
13	Online workshop on NEP 2020 Implementation	26 Aug – 27 Aug 2022	Aligarh muslim university	National Workshop	Participated
14	Intellectual property right (IPRs)	8 Feb 2023	IPGGPGCC Haldwani	State Level workshop	Participated
15	Girl child education, security and self-reliance	27-28 February 2023	M.B.P.G. College Haldwani	National seminar	Presented
16	New Dimension in Vadic Mathematics	28-29 March	CCS University Meerut		
17	2 nd International Conference on Recent Advances in Sustainable Environment	15-16 May	Bundelkhand University, Jhansi	International Conference	Presented
18	Implementation of National Education Policy 2020	2-5 June 2023	Under the joint aegis of Government of Madhya Pradesh, Vikram University, Open University and SSUN	National Conference	Participated
19	Vadic Mathematics	7-07-2023 to 09-07-2023	Bundelkhand University, Jhansi	National workshop	Participated
20	Advances in Biological Research and Environment Sustainability	17-06-2023 to 21-06-2023	Udayana University Indonesia	International Conference	Presented

21	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	13-14 July 2023	UNIVERSITY OF ENGINEERING AND MANAGEMENT, JAIPUR	International Conference	Presented Paper ID.234
22	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	13-14 July 2023	UNIVERSITY OF ENGINEERING AND MANAGEMENT, JAIPUR	International Conference	Presented Paper ID.204
23	5 th National Conference on Recent Advancement in physical Sciences	19-20 December 2023	National Institute of Technology Uttarakhand	National Conference	Presented Paper
24	1 st International conference on Emerging trends in STEM & Health Agri Sciences for Sustainable Development	11-12 March 2024	MIET Kumaon , Haldwani	International	Presented Paper
25	Role, impact, issues and challenges of Artificial intelligence: A journey toward transforming the society	30-31 march 2024	I.P.Mahila P. G. College of Commerce, Haldwani	National	

7. FDP Course/ Refresher Course/FIP:

S. No.	Course Topic	Course Type	Mode	Days	Institute
1	Differential Equation	FDP	Online	5	Vellore Institute of Technology
2	Python and Vadic Mathematics	Refresher	Online	14	Ramanujan college
3	Orientation Course	FIP	Online	30	Ramanujan college
4	Research methodology and scientific	FDP	Online	7	Genesin of Educational Impressions

	components for an empirical study in research				
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8. CONVENER/ORGANISING SECRETARY/TECHNICAL SUPPORT TEAM in Seminar or Conference or Workshop:

<u>S. No</u>	<u>Name of Seminar/workshop/conference</u>	<u>Converer/O Secretary/T. Support Team</u>	<u>Date</u>	<u>Institute</u>
<u>1</u>	National Education Policy-2020 Admission Guidelines in University of Utrakhand	Organising Secretary	<u>13 August 2022</u>	Government Degree College Haldwani City
<u>2</u>	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	Organising Secretary	<u>13-14 july</u>	UNIVERSITY OF ENGINEERING AND MANAGEMENT , JAIPUR
<u>3</u>	International Conference on Mathematical Models, Statistics and Application	Organising Secretary	<u>20-21 October 2023</u>	ABCD Index Department of Mathematics
<u>4</u>	Multidisciplinary National Seminar on Contribution of Ancient Indian Education System and Civilization in personality Building	Convener	<u>8-9 March 2024</u>	Sardar Bhagat Singh Government Post Graduate College Rudrapur, U.S. Nagar
<u>5</u>	1st International conference on Emerging trands in STEM & Health Agri Sciences for Sustainable Development	Co-Ordinator	<u>11-12 March 2024</u>	MIET KUMAON
<u>6</u>	International Conference	Organising Secretary	<u>10-11 Nov.2024</u>	M.B.G.P.G. College Haldwani

9. Chairperson/Invited speaker/Special Guest/Invited Guest/ Editorial Board Member:

S. No.	Function/Event/Conference/Workshop	Date	Invitation type
1	(Conference), Girl child education, security and self-reliance M.B.P.G. College Haldwani	27-28 February 2023	Invited speaker
2	(Workshop) Implementation of National Education Policy 2020	2-5 June 2023	Invited Guest
3	(NSS) Shri 1008 Baba Hadakhan Government Inter College Kadgharia Nainital	5-01-2023	Invited Speaker
4	2 nd International Conference on Recent Advances in Sustainable Environment	15-16 may 2023	Chairperson
5	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	13-14 July 2023	Chairperson
6	INTERNATIONAL CONFERENCE ON COMPUTATIONAL APPLIED SCIENCES & IT'S APPLICATIONS (ICCASA)	13-14 july 2023	Editorial Board Member
7	6 th International Conference on Emerging Trends on Sustainable Approaches in Science & Technology	23-25 February 2024	Invited Talk
8	1 st International Conference on EMERGING TRENDS IN STEM & HEALTH AGRI SCIENCE FOR SUSTAINABLE DEVELOPMENT	11-12 March 2024	Keynote
9	P.M.S.G.I.C. Bheerapani, Nainital	26-04- 2024	Invited talk
10	AIC Nai	26-04- 2024	Invited talk

10.Award

S. No.	Name of Award	Year	National /International
1	Young Scientist Award (Genesin of Education)	2021	National
2	Best Research Scholar Award (Genesion of Education)	2021	National
3	Best Research Award (Genesion of Education)	2022	National
4	International Young Scientist Award (4 th International Conference on Advances in Biological Research and Environmental Sustainability Udayana University, Denpasar, Bali, Indonesia)	2023	International

5	International Distinguished Young Achiever Award (International Institute of Organized Research-I2OR)	2023	International
6	Uttarakhand Teacher of the year -2023 (4 th Dehradun International Science &Technology Festival)	2023	State
7	Devbhoomi Education Excellence Award-2023	2023	State
8	International Research Excellence Award 2024	2024	International

11.Chapter in Edited Book:

S. No.	Chapter Name	Publisher (National/ International)	Book Name	ISBN
1	Management of inventory with classification and benefits	National	Technology method and process	978-81-967293-1-8
2	Description of various types of costs incurred in inventory management for perishable product	National	Wisdom	978-81-96377-922
<u>3</u>	Low Carbon Inventory Model of Imperfect Items with Screening, Preservation and Green Investment under Inflationary and Fuzzy Environment (chapter-4)		Sustainable Inventory Management - Perspectives from India”, Springer	<u>978-981-97-6764-9</u>
<u>4</u>	Safeguarding of Inventories with Green and Preservation Investment and Key Approach to Two-Level Trade Credit Policy(chapter-11)		Sustainable Inventory Management - Perspectives from India”, Springer	<u>978-981-97-6764-9</u>

12.Units/ Chapters publication:

S. No	Name of unit	Year
1	Algebra of Matrices	2021
2	Determinant	2021
3	Application of Matrices	2021

4	Eigen value and Eigen vector	2021
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13.PATENT :

S. No	Title Name	Design/Application .No.	Date of Issue
1	NATURAL RESOURCES FINDING DEVICE	402093-001	25/01/2024
2	WHEEL CHAIR CUM FOUR-WHEELER VEHICLE”	407294-001	10/04/2024
3	Personalized learning experience through AI technology	Utility(Application Number-202411053177)	2024
4	Mathematical simulation of carbón footprint reduction strategies in industrial chemical process	Utility (Application Number-202411062149)	2024
5	IOT Based Voting Machine	Design(432308-001)	
6	AI Based data stimulation device	Design(436459-001)	

14.Convener/ Coordinator /Member in Committee:

S. No.	Name of Committee	Session	Convener/ Member	Name of Institute
1	Proctorial Board	2021-2022	Member	Govt. College Haldwani City
2	Admission Committee	2021-2022 and 2022-2023	Member	Govt. College Haldwani City
3	IQAC Committee	2021-2022 And 2022-2023	Member	Govt. College Haldwani City
4	Library committee	2021-2022 And 2022-2023	Member	Govt. College Haldwani City
5	Student union committee (The Ancient)	2021-2022	Member	Govt. College Haldwani City
6	Anti -Ragging Committee	2021-2022	Convener	Govt. College Haldwani City
7	Website streering committee	2021-2022	Member	Govt. College Haldwani City

8	Cultural program committee	2021-2022 And 2022-2023	Member	Govt. College Haldwani City
9	Flag committee	2021-2022 And 2022-2023	Convener	Govt. College Haldwani City
10	Mahavidhyalay lekha-abhilekha committee,	2021-2022 And 2022-2023	Member	Govt. College Haldwani City
11	Mukhyamantri vatsalya yojana committee	2021-2022	Member	Govt. College Haldwani City
12	E- content development committee	2021-2022	Member	Govt. College Haldwani City
13	Information and management committee	2021-2022	Member	Govt. College Haldwani City
14	Purchase committee	2021-2022	Member	Govt. College Haldwani City
15	Student union election committee	2021-2022 And 2022-2023	Convener	Govt. College Haldwani City
16	Green campus clean campus committee	2021-2022	Member	Govt. College Haldwani City
17	Information Management Committee	2022-2023	Convener	Govt. College Haldwani City
18	New Education Policy (NEP) Implementation Committee	2022-2023	Coordinator	Govt. College Haldwani City
19	Faculty Coordination Committee	2022-2023	Convener	Govt. College Haldwani City
20	Time Table Committee and Academic Almanac Committee	2022-2023	Member	Govt. College Haldwani City
21	Career Counselling and Placement Committee	2022-2023	Member	Govt. College Haldwani City
23	Disaster management committee	2022-2023	Member	Govt. College Haldwani City
24	Recognition /Affiliation Committee	2022-2023	Member	Govt. College Haldwani City
25	KPI Utkarsh Committee	2022-2023	Member	Govt. College Haldwani City
26	local public relations committee	2022-2023	Member	Govt. College Haldwani City

27	Yoga	2021-2022, 2022-2023	Coordinator	Govt. College Haldwani City
28	Edusat.	2023-2024	Member	S.B.S.G.P.College Rudrapur
29	Samarth Portal	2024-25	Member	S.B.S.G.P.College Rudrapur

15.Short Terms Course:

S. No	Name of Course	Name of Institute	Grade and %
1	Academic Writing	Hemvati Nandan Bahuguna Garhwal University	64%
2	Education Leadership	IIT Kharagpur	87%
3	Vedic Maths Mastery	TLC Ramanujan College	A ⁺
4	Implementation of NEP -2020 for University and College Teachers	Indira Gandhi National Open University	92%

16.Books/ Journal/Edit book Publication/Proceedings:

S. No	Name of Books/ journal	Role	ISBN/ISSN
1	Differential Equations(with Laplace &Fourier)	Author	978-93—585- 44251
2	Third concept an international journal of ideas	Co editor	0970-7247
3	Abstract Algebra	Author	978-93-5854- 273-8
4	Concepts and Problems of Matrices		****
5	Inventory supply chain management with fuzzy concepts	Author	978-93- 94007-03-01
6	Vedic Mathematics		****
7	The Fundamentals of calculus of variations and its applications	Author	9-789358- 384086

17. Area of Specialization:

S. No	Topic
1	Real analysis,
2	Complex analysis

3	Operation Research, Supply chain Management, Inventory management, Green supply chain
4	Number Theory, Vedic Mathematics
5	Operation Research