Curriculum vitae

YEAR 2019 - 2020

Name	**DR SATISH KUMAR**	Photograph
Designation	Associate Professor	
Department	Mathematics	
Address (Campus)	Department of Mathematics, D. N. College, Meerut	
(Residential)	A-9, Nand Vihar, Rohta Road, Meerut , 250001	
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Web-Page		

ACADEMIC QUALIFICATIONS :

Course	Institution	Year	Details
Ph.D.	C.C.S. University ,Meerut	**2006**	Title ; "Cost Benefit Analysis of Non- Markovian Models of Some Redundant Systems"
M.Phil.	Institute of Advanced Studies, Meerut University ,Meerut	**1990**	Title-"Non- Expansive Mappings of Some Fixed Point Theorems"
M.Sc.	Meerut University, Meerut	**1989**	Mathematics

Career Profile

S.No.	Organization/Institution	Designation	Duration	Role
1.	Govt. PG College, Ranikhet (U.P).	Lecturer	23-12-1998 to 05-07-1999	Teaching
2.	Govt. PG College, Rishikesh (U.P).	Lecturer	05-07-1999 to 22-12-1999	Teaching
3.	Janta Vedic College, Baraut, (U.P.)	Reader	23-12-1999 to 10-08-2010	Teaching and Research
4.	D. N. College, Meerut, (U.P).	Associate Professor	11-08-2010 onwards	Teaching & Research

Teaching Experience (Subject/Courses Taught)

B.Sc.	All Subjects	Since 23-12-1998 to till date
M.Sc.	Advance Algebra(H-1049), Discrete Mathematics(H2051), Number Theory(H 4049), Advanced Mathematical Methods(H 3051)	Since 05-07-1999 to 22-12-1999 and 11-08-2010 to till date.

Research Activities

III (A) (**Detailed of Published Research Papers**)

S.N.	Title	Name of Co-authors	Name of Journal	Refereed / Indexed / ISSN No. / ISBN No.
1.	Cost Benefit Analysis of Two Dissimilar Unit Parallel System With Administrative Delay In Repair.	Gupta Rakesh, and Agarwal D.C.	Proceedings Of National Seminar on Mathematics and Computer Science, S.D.(PG) College,MuzzafferNagar,363-370, 2005	ISBN:81-8283-046X.
2.	A Two Unit Parallel System With Inspection,Repair and Post Repair .	Gupta Rakesh and Agarwal D.C.	Reflection Des Era,1(2), 189-200. 2006	ISSN:0973-4597
3.	A K-out of N-Trichotomous System With Common Cause Failure;	Gupta Rakesh, and Agarwal D.C.	Reflection Des Era,1(2), 281-296 2006	ISSN:0973-4597
4.	A Two Duplicate Unit Parallel System With Correlation in Failure and Repair / Replacement .	Gupta Rakesh and Tyagi Vikas	Proceedings of National Seminar on Recent Trends In Advancement of Mathematical And physical sciences, D.N. College, Meerut, Mathematics-23. 2006	ISBN No-81, 85126, 1206.
5.	Modeling and Analysis of a Two Storage Inventory Model with Variable Demand and Exponential Backlogging.	S.R. Singh and A.S. Yadav	International Transactions in Applied Sciences,2(2)-225-232. 2010	ISSN-0974-7273-0975-3761.
6.	Two Warehouses Inventory Model for Non-Instantaneous Deteriorating Items with Stock-Dependent Demand.	S.R. Singh and A.K. Malik	International Transactions in Applied Sciences 3(4)-749-760 ISSN-0974-7273-0975-3761. 2011	ISSN-0974-7273-0975-3761.

7.	Two Warehouses Inventory Model with Partial Backordering and Multi-Variate Demand under Inflation.	S.R. Singh and A.K. Malik	International Journal of Operations Research and Optimization 2(2) 371-384. 2011	ISSN- 0975-3737-2231-4741.
8.	A Fuzzy Based Two warehouses Inventory Model for Deteriorating Items.	A.K. Malik and Y. Singh	International Journal of Soft Computing and Engineering 2(2) 188-192. 2012	ISSN-2231-2307.
9	Multiplicative Quadruple Fibonacci Sequences	Hari Kishan	International Transactions in Mathematical Sciences and Computers ,6(2) . pp 183-190 . 2013	, ISSN 0974-5068 ,(on line) 0975-3753
10	An Inflation Induced Stock- Dependent Demand Inventory Modal With Permissible Delay in payment .	Singh Yashveer ; Malik A.K.	Singh Yashveer ; Malik A.K. , International journal of computer application . UGC NO.:44570	ISSN (0975-8887) , 96(25), 14-18. 2014
11	N Positive Integers Whose Product is Equal To M- Times Of Their Sum	Hari Kishan	Bulletin of Society for Mathematical Services and Standards ,3(2) pp. 28-29.	Impact Factor 3.406). 2014
12	A Note On Multiplicative Triple Fibonacci Sequences	HariKishan , Deepak Gupta	Bulletin of Society for Mathematical Services and Standards ,4(1) pp. 01-06.	Impact Factor 3.406). 2015
13	An inventory model with linear holding cost and stock-dependent demand for non instantaneous deteriorating items	A.K.Malik,Abhishek Sharma,S.K.Yadav and Yashveer Singh	AIP Conference Proceedings 1715,020058 doi.org/10.1063/1.4942740 SCOPUS	Online: http://dx.doi.org/ 10.1063/1.4942740 2016

14	Analysis of an inventory model for both linearly decreasing demand and holding cost	A.K.Malik,Parth Raj Singh,Ajay Tomar, and S.K.Yadav	AIP Conference Proceedings 1715,020063; doi.org/10.1063/1.4942745 SCOPUS	Online:http://dx.doi.org/10.1063/1.4942745 2016
15	Inventory Model with Quadratic Demand under the Two Warehouse Management System	A K Malik , Dipak Chakraborty , Kapil Kumar Bansal	International Journal of Engineering and Technology (IJET) ,9(3) , 2299-2303 UGC NO.:2970	ISSN (Print) : 2319-8613 ISSN (Online) : 0975-4024 2017
16	An Inventory Model for both Variable Holding and Sales Revenue Cost	Yashveer Singh and A. K. Malik	Asian J.Management; 8(4) , 01-04 UGC NO.:8795	ISSN 0976-495X (Print) www.anvpublication.org 2321-5763 (Online) , 2017
17	Two Warehouses Inventory Model with Quadratic Demand and Maximum Life Time	A K Malik, Sanjay Kumar	International Journal on Future Revolution in Computer Science & Communication Engineering 3(10) , 26-29 UGC NO.:64076	ISSN: 2454-4248, Available @ http://www.ijfrcsce.org 2017
18	Quadratic Demand based Inventory Model with Shortages and Two Storage Capacities System	A.K Malik, Dipak Chakraborty	Research J.Engineering and Tech. 8(3) , 01-06 UGC NO.:8795	ISSN 0976-2973 (Print) www.anvpublication.org 2321-581X (online) www.ijersonline.org 2017
19	A Two Warehouse Inventory Model with Stock-Dependent Demand and variable deterioration rate	Dipak Chakraborty A K Malik	International Journal on Future Revolution in Computer Science & Communication Engineering , 3(9) , 20–24 UGC NO.:64076	ISSN: 2454-4248 2017

20	Two warehouses Inventory Model with Stock-dependent demand and Maximum life time	A. K. MALIK, SANJAY KUMAR	JOURNALOF ULTRA SCIENTIST OF PHYSICAL SCIENCES :An International Open Free Access Peer Reviewed Research Journal of Physical Sciences , 29(10) ,309-18 UGC NO.:44588	website:www.ultra scientist.org 2017
21	On a Family of Integer of the Form $N_p(6)=p^6+6^p$	Rajeev Kumar	Global Journal of Mathematical Science Vol. 9(2), 127-131. UGC No. 48894 2017	ISSN: 0974-3200
22	An Inventory Model With Time- Varying Demnad For Non-Instantaneous Deteriorating Items With Maximum Life Time,	A.K. Malik, Poras Vedi	Int. J. of App. Engg. Res., Vol. 13, No. 9, pp. 7162-7167. 2018	ISSN: 0973-4562
23	On the non-linear Diophantine Equation $61^x + 67^y = z^2$ and $67^x + 73^y = z^2$	Sani Gupta, Hari kishan	Annals of pure and Applied Mathematics, Vol. 18, No. 1, 91-94 2018	ISSN: 2279-0888
24	On the non-linear Diophantine Equation $p^x + (p+6)^y = z^2$.	Sani Gupta, Hari kishan	Annals of pure and Applied Mathematics, Vol. 18, No. 1, 125-128 2018	ISSN: 2279-0888
25	On the Diophantine Equation $\{(q^2)^n\}^x + p^y = z^2$ where q is any prime number and p is an odd prime number	Surya Prakash Gautam, Hari kishan	Annals of pure and Applied Mathematics, Vol. 18, No. 2, 129-134 2018	ISSN: 2279-0888
26	On the non-linear Diophantine Equation $31^x + 41^y = z^2$ and $61^x + 71^y = z^2$	Deepak Gupta, Hari kishan	Annals of pure and Applied Mathematics, Vol. 18, No. 2, 185-188 2018	ISSN: 2279-0888

27	An inventory model with variable demand for non instantaneous detriorating items under permissible delay in payments., page-23-28	A.K.MALIK	International journal of engineering and science research ,Vol. 9(1) Jan. 2019	ISSN: 2277-2685
28	Variable demand rate and sales revenue cost inventory model for non instantaneous decaying items maximum life time., page 52-57	A.K.MALIK	International journal of engineering and science research ,Vol. 9(1) Feb. 2019	ISSN: 2277-2685
29	On the solutions of exponential diophantine equation $p^x + (p+12)^y = z^2$. page 1-4	DEEPAK GUPTA, HARIKISHAN	International transactions in mathematical sciences and computers ,Vol.11(1), UGC N0. 63336 2018	*ISSN-(Printing) 0974-5068, (Online) 0975-3753* © AACS. *(www.aacsjournals.com) All right reserved*
30	On the non-linear diophantine equation $n^x + (n+4r)^y = z^m$ page 5-9	SANI GUPTA, HARIKISHAN	International transactions in mathematical sciences and computers ,Vol.11(1), UGC N0. 63336 2018	ISSN:0974-5068,(Online) ,975-3753 , © *AACS.* *(www.aacsjournals.com) All right reserved*
31	On the Nagell type diophantine equation $p^n = x^2+n$,page 21-25	, SURYA PRATAP HARIKISHAN.	International transactions in mathematical sciences and computers ,Vol.12 (1), UGC N0. 63336 Jan. 2019	ISSN:0974-5068,(Online) ,975-3753 , © *AACS.* *(www.aacsjournals.com) All right reserved*
32	An inventory model with variable demand for non – instantaneous deteriorating products under the permissible delay in payments	Priya Mathur A.K. Malik	IOP Conference Series: Materials Science and Engineering 594012042 SCOPUS Sep. 2019	Open ACCESS

33	Analysis of an inventory model with both the time dependent holding and sales revenue cost	A.K. Malik , Priya Mathur	IOP Conference Series: Materials Science and Engineering 594012043 SCOPUS Sep. 2019	ACCESS
34	On Polynomial Solution of The Hyperbolic Equation $F^2(u) + RG^2(u) = N$	Sani Gupta	Wesleyan Journal of Research, Vol. 13, No. 44, pp. 48-59 UGC Care Dec. 2020	ISSN: 0975-1386
35	On The Solutions of Exponential Diophantine Equation $n^x + (n+3m)^y = z^{2k}$	Deepak Gupta	International journal of Interdisciplinary Global Studies, Vol. 14, Issue 04, pp. 74-77 SCOPUS Dec. 2020	ISSN: 2324-755x
36	On The Solutions of Exponential Diophantine Equation $a^x + (a+5b)^y = c^{2w}$	Deepak Gupta	International journal of Interdisciplinary Global Studies, Vol. 14, Issue 04, pp. 233-236 SCOPUS Dec. 2020	ISSN: 2324-755x

3.2. RESEARCH PUBLICATIONS (BOOKS, CHAPTERS IN BOOKS OTHER THAN REFERRED JOURNAL ARTICLES
3.2.1. TEXT/REFERENCE/SUBJECT BOOKS PUBLISHED

S.N.	Title and Total No of pages in the books	Year of Publication and edition	Publisher & ISSN/ISBN No	Publisher level (International / National / Other	No. of Co-authors
1	Geometry and vector calculus		ISBN:81-922439-6-6	National	4
2	Measure Theory and Integration	2017,	ISBN:978-93-85909-43-6	International	3

3.2.2. ARTICLES/ CHAPTERS PUBLISHED IN BOOKS

Sl.N.	Title with page no	Book Title, Editor & Publisher	ISSN/ISBN No	Publisher level (IN / N / Other	No. of Co-authors

NA				

3.3 RESEARCH PROJECTS
3.3.1. SPONSORED RESEARCH PROJECTS (ONGOING / COMPLETED)

Sl.N.	Title	Funding Agency	Minor or Major	Period	Grant / Amount Mobilized (Rs. lakh)
1	"Cost Benefit Analysis of Non- Markovian Models of Some Redundant Systems"	UGC	Minor	2005-2007 (Completed)	Rs-50000 /

3.3.2. CONSULTANCY PROJECT / PROJECT
3.4. RESEARCH GUIDANCE

Sl.N.	DEGREE	No. of Research Scholars Enrolled	Thesis submitted	Degree awarded
3.4.1	M.Phil	N A	**N.A.**	
3.4.2	Ph.D./D.Phil.	04	NO	NO

3.5 FELLOWSHIPS, AWARDS AND INVITED LECTURES DELIVERED IN CONFERENCES / SEMINARS
3.5.1. FELLOWSHIPS/AWARD

Sl.N.	Detailso F Fellowship/Award	International /National / State/ University Level	Name Of Academic Body / Association	Encl No	Self Assessment Score	Verified API-Score
1	NA					

3.5.2(i). PAPERS PRESENTED IN CONFERENCE / SEMINARS /WORKSHOPS/SYMPOSIA ETC.

Sl.N.	TITLE OF THE PAPER PRESENTED	FOCAL THEME OF CONFERENCE/ SEMINAR	DURATION	ORGANIZED BY	INTERNATIONAL / NATIONAL

1	Cost Benefit Analysis of Two Dissimilar Unit Parallel System With Administrative Delay In Repair.	National Seminar on Role of Mathematics on the Forthcoming Developments in Computer Science"	Nov. 29-30 , 2005	S.D.(PG) College, Muzaffar Nagar, (U.P.), INDIA.	National
2	" A K- out of N - Trichotomous system with Common Cause Failure"	8th Conference of the International Academy of Physical Science .	Dec. 29-31, 2005	C.C.S. University Meerut, NICE Society Institutions ,Meerut, International Academy of Physical Science ,Allahabad, (U.P.),INDIA	International
3	" A Two Unit Parallel System With Inspection, Repair and Post Repair"	National Seminar on Recent Trends in Science, Technology and its Applications .	Jan. 07-08 , 2006	S.D. College of Engg. and Tech. MuzaffarNagar ,(U.P.),INDIA.	National
4	A Two Duplicate Unit Parallel System With Correlation in Failure and Repair / Replacement.	National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences .	Nov. 6th , 2006 .	D.N. College ,Meerut. (U.P.) , INDIA.	National
5	An Integrated Production for Deteriorated Items of Imperfect Quality with Time Varying Demand Rates in a Single Pipeline System"	National Seminar on Recent Trends in Advancement of Mathematical and Physical Sciences from March 17-18,2012 .	Mar. 17-18 , 2012 .	D.N. College, Meerut (U.P.), INDIA.	National

6	Multiplicative Quadruple Fibonacci Sequences	International Seminar On The Legacy Of Srinivasa Ramanujan	Dec. 17-22, 2012	University of Delhi	International
7	Reforms in Higher Education in India :A Challenge	National Seminar on Higher Education in India: Change, Challenge and Consequences	Mar. 12, 2015,	Govt. PG College ,Deoband (Saharanpur)	National
8	An Approach towards Quality Assurance in Higher Education	National Seminar on Quality Assurance in Higher Education: Involvement of information and Communication Technology	Mar. 1-2, 2016	D.J. College. Baraut(Baghpat)	National
9	Analysis of an inventory…partial backlogging rate	Computational Mathematics and Operational Research	Oct. 15-16 ,2016	BKBIT, Pilani	Intrnational
10	On the integer solution of Diophantine Equation $P^x + Q^y = z^n$	National Conference on Current Trends in Applied Sciences	Mar. 18- 19 ,2017	J.V.Jain College, Saharanpur-247001(U.P.)	National
11	Effect of Lost Sales & Deterioration on Inventory Modal	History of Mathematical Sciences	Oct. 05-07, 2017	S.G.R.R. College Dheradun	National
12	Multi Itom Economic Production Policy for Repairable Defective Product with Volume Flexibility	Advances In Operations Research and Mathematical Sciences	Feb. 24-25, 2018	Vardhaman College, Bijnor	International
13	On the solution of non linear Diophantine Equation $P^x + (P+10)^y = z^2$	National Seminar on mathematical modeling , optimization and scientific computing	Feb. 23, 2019	Dept. of mathematics ,Hindu girls college,Sonipat Haryana	National

| 14 | On the non linear Diophantine Equation $p^x+(p+2)^y=z^2$ | International Conference on Interdisciplinary Research for Sustainable development Innovation and opportunities | Feb. 14-16, 2020 | Department of Higher Education , Govt. of Uttar Pradesh | International |

3.5.2(ii) INVITED LECTURES AND CHAIRMANSHIPS AT NATIONAL OR INTERNATIONAL CONFERENCE/SEMINAR ETC.

Sl.N.	TITLE OF LECTURE/CHAIRED ACADEMIC SESSION	FOCAL THEME OF CONFERENCE/ SEMINAR	DURATION AND ORGANIZING BODY	INTERNATIONAL / NATIONAL
1	Recent Trends in Advancement of Mathematical Sciences	RTAMS	NOV, 06 ,2006 ,D.N. College ,Meerut. (U.P.) , INDIA	National
2	Recent Trends in Advancement of Mathematical Sciences	RTAMS	30-31 JAN. 2010 ,D.N. College ,Meerut. (U.P.) , INDIA	National
3	Recent Trends in Advancement of Mathematical Sciences	RTAMS	05-06 FEB.2011 ,D.N. College ,Meerut. (U.P.) , INDIA	National
4	Recent Trends in Advancement of Mathematical Sciences	RTAMS	17-18 MARCH.2012 , D.N. College ,Meerut. (U.P.) , INDIA	National
5	Recent Trends in Advancement of Mathematical Sciences	RTAMS	18 SEPT. 2014 ,D.N. College ,Meerut. (U.P.) , INDIA	National
6	Role of mathematics in sustainable development	RMSD	17-18 Octo.2014 ,Govt. College Karanprayag ,Chamoli (UK)	National

7	Basis representation theorem	CMOR	15-16 Oct. 2016. BKBIT, Pilani	National
8	On non linear Diophantine Equation $n^x +(n+4r)^y=z^m$	MOCTSD-	26-28 April 2019 ,SRM Institute of science and technology ,Ghaziabad	International
9	TEQIP-III Three Day FDP Program On Applications of Scientific Tools and Techniques in Research	FDP	Sep. 06-08, 2019 , RTU Kota and BKBIT,PILANI (Rajasthan)	National
10	Applications of Division Algorithms	NCRASHE Webinar	Jul. 12, 2020, KDC Adharkap Katni, M.P.	National
11	A Discission on Fredhom Integral Equation and Volterra Integral Equation	RTSHE Webinar	Sep. 27, 2020, Institute of TeacherEducation , Modinagar, U.P.	International

3.5.2(iii). PARTICIPATED CONFERENCE / SEMINARS /WEBINAR ETC.

Sr. No.	FOCAL THEME OF CONFERENCE/ SEMINAR	DURATION	ORGANIZED BY	INTERNATIONAL / NATIONAL
1	International e-Conference on "Recent Trends in Advancement of Mathematical and Physical Sciences	May 22-23, 2020	D.N. (P.G.)College, Meerut	International
2	Struggle Success Significance – A Pathway to Your Career	May 29, 2020	SRM Institute of science and technology ,Ghaziabad	National
3	Digital Learning In and Beyond COVID-19	Jun 07, 2020	R.G. (P.G.) College, Meerut	National

4	TEQIP-III,Five days FDP On Applications of Optimization Techniques in Science and Engineering	Aug 23-27, 2020	RTU Kota and BKBIT,PILANI (Rajasthan)	International
5	भारतीय शिक्षा की स्थानीय और वैश्विक चुनोतियो तथा नविन शिक्षा निति	Sep 06, 2020	स्वामी विवेकनद (पि.जी.) कॉलेज & मुमुक्षु शिक्षा संकुल , शाहाजापुर	National
6	Scenario of Higher Education in Relation to National Education Policy 2020	Sep 13, 2020	S.D. College, Muzaffarnagar (U.P.)	National
7	Mathematica-A Scientific Research Tool	Sep 21-26, 2020	Sagar Institute of Research and Technology Bhopal	National
8	Online Five Day FDP Program	Sep. 9-13, 2020	Govt. College Satnali, Mahendergarh (Haryana) & Advance Research Educational Society	National
9	One Week Short Term Training Program (STTP)	Sep. 21-26, 2020	Sagar Institute of Research & Technology, Bhopal	National
10	National Conference on Recent Applications of Applied Sciences, Humanities & Engineering with Covid-19	Jul. 12, 2020	Silicobyte Katni Degree College, Adharkap Katni (MP)	National
11	International Conference on Recent Trends in Science, Humanities & Engineering	Sep. 27, 2020	Institute of Teacher Education, Modinagar (U.P.)	International

3.5.2(iv). SHORT TERM TRAINING COURSES

Sr. No.	FOCAL THEME	DURATION	ORGANIZED BY	INTERNATIONAL / NATIONAL
1	One Week Short Term Training Program (STTP) on Mathematica - A Scientific Tool	Sep. 21-26, 2020	Sagar Institute of Research & Technology, Bhopal	National

3.5.2(v). Faculty Development Program

Sr. No.	FOCAL THEME	DURATION	ORGANIZED BY	INTERNATIONAL / NATIONAL
1	TEQIP-III,Five days FDP On Applications of Optimization Techniques in Science and Engineering	Aug. 23-27, 2020	RTU Kota and BKBIT,PILANI (Rajasthan)	International
2	Five Day FDP Program on Research Methodology and	Sep. 09-13, 2020	Govt. College Satnali,	International

	Scientific Tols			Mahendergarh, Haryana	

III (E) (**Orientation Program   / Refresher Courses**)

S.N.	Year	Title	Sponsored	Duration	Organised By
1	2002	58th 4-week Orientation Program	UGC	April 3 to May 1 ,2002	UGC-ASC ,Jamia Millia Islamia,New Delhi, INDIA.
2	2003	Refresher Course of 3 - weeks .	UGC	Feb.17 to March 08 , 2003	UGC-ASC , CPDHE, University of Delhi ,New Delhi ,INDIA.
3	2006	Refresher Course of 3 - weeks .	UGC	Sept. 27 to Oct. 18 , 2006	CPDHE, University of Delhi, New Delhi, INDIA.
4	2008	Refresher Course of 3-weeks	UGC	Dec.14, 2007-Jan.5 , 2008 .	CPDHE, University of Delhi, New Delhi, INDIA.

3.5.3. DEVELOPMENT OF E-LEARNING DELIVERY PROECESS/MATERIAL)

	TOTAL SCORE FOR 3.5.3
	TOTAL SCORE 3.5(= SCORE OF 3.5.1 + 3.5.2 + 3.5.3)

PART C : OTHER RELEVANT INFORMATION
PLEASE GIVE DETAILS OF ANY OTHER CREDENTIAL, SIGNIFICANT CONTRIBUTIONS, AWARDS RECEIVED ETC NOT MENTIONED EARLIER.

Sl.N.	DETAILS (MENTION YEAR, VALUE ETC. WHERE RELEVANT
1	MEMBER OF RAMANUJAN MATHEMATICAL SOCIETY

Signature of Faculty Member