

PROFILE OF THE TEACHERS

1. **Name:** Dr. Jitendra Kumar Kushwaha
2. **Father's Name:** Shri Gajraj Singh
3. **Mother's Name:** Late Smt. Vidhyawati
4. **Department:** Mathematics & Statistics
5. **Date of Joining the University:**

08-05-2018



6. **Total Teaching Experience:** UG- 06 Year 04 Months PG - 06 Year 04 Months
7. **Total Research Experience:** 05 Years Approx.
8. **Area of specialization:** Summability Theory, Approximation Theory
9. **Academic Qualifications:**

UG	B.Sc. (First Division), CSJM University, Kanpur
PG	M.Sc. (First Division), CSJM University, Kanpur
Ph.D.	Banaras Hindu University, Varanasi
NET	CSIR-UGC

10. Extension activity participation

S. No.	Name of activity	Duration	Name of Responsibility
1	Mission-Shakti Programme- 2021	11 March 2021 to 20 March 2021	Nodal Officer, Mission-Shakti Department of Mathematics & Statistics

11. If any award/recognition received-

S. No.	Name of activity	Name of the award/recognition	Year of Award	National/International	Awarding Agency
1	Research and Teaching	Excellent Research and Teaching Award	2021	National	Deen Dayal Upadhyay Gorakhpur University, Gorakhpur

12. Ph.D. supervised (Three Ongoing)

S. No.	Name of the Ph.D. scholar	Title of the thesis	Year of registration of the scholar	Year of award of Ph.D.
1	NA	NA	NA	NA

13. Research/Review Papers published

S. No.	Title of paper	Name of the author/s	Name of journal	Year of publication	ISSN number	Link to the recognition in UGC enlistment of the Journal		
						Link to website of the Journal	Link to article/paper /abstract of the article	Is it listed in UGC Care list/Scopus/Web of Science / other , ment ion
1	Estimation of errors of signals (functions) by $C, 2 (E, \delta)$ product means of Fourier series	Jitendra Kumar Kushwaha & Radha Vishwakarma	Tuijin Jishu/Journal of Propulsion Technology	2023	1001-4055	https://www.propulsontechjournal.com/index.php/journal/article/view/3570	https://doi.org/10.52783/tjjpt.v44.i6.3570	Scopus
	APPROXIMATION OF LIPSCHITZ	Jitendra Kumar Kushwaha,	J. Appl. Math. & Informatic	2023	2234-8417	http://jami.or.kr/out/02190320384	https://doi.org/10.14317/jami.2023.1057	Scopus

2	CLASS BY DEFERRED-GENERALIZED NORLUND $(D_{\gamma, \beta, N, pq})$ PRODUCT SUMMABILITY MEANS	Laxmi Rathour, Lakshmi Narayan Mishra & Krishna Kumar	s			735255.pdf		
3	Degree of approximation of signals (functions) by $(C, 2)(E, l)$ product means of conjugate series of Fourier series	Jitendra Kumar Kushwaha, Laxmi Rathour, Lakshmi Narayan Mishra & Krishna Kumar	Tuijin Jishu/Journal of Propulsion Technology	2023	1001-4055	https://propulsiontechjournal.com/index.php/journal/article/view/1294	https://doi.org/10.52783/tjjpt.v44.i4.1294	Scopus
4	On the approximation of conjugate of functions belonging to the generalized Lipschitz class by Euler-matrix product summability method of conjugate series of Fourier series	Jitendra Kumar Kushwaha & Krishna Kumar	Ratio Mathematica	2022	2282-8214	http://eiris.it/ojs/index.php/ratiomathematica/article/view/788	doi : 10.23755/rm.v41i0.788.	UGC-Care
5	Estimation of degree of approximation of functions belonging to Lipschitz class by Norlund Cesàro product	J. K. Kushwaha, Laxmi Rathour, Vishnu Narayan Mishra, K. Kumar	Annals of Fuzzy Mathematics and Informatics	2022	2287-6235	http://www.afmi.or.kr/	https://doi.org/10.30948/afmi.2022.24.3.239	Peer Reviewed

	summability means							
6	ON THE DEGREE OF APPROXIMATION OF CONJUGATE FUNCTIONS USING GENERALIZED NÖRLUND-EULER SUMMABILITY METHOD	JITENDRA KUMAR KUSHWAHA, LAXMI RATHOUR, LAKSHMI NARAYAN MISHRA, VISHNU NARAYAN MISHRA & RADHA VISHWAKA RMA	GANITA	2022	0046-5402	https://bharataganitaparisad.com	https://bharataganitaparisad.com/wp-content/uploads/2023/03/722-01.pdf	UGC-CARE
7	Approximation of Functions by (C,2)(E,1) Product Summability Method of Fourier Series	Jitendra Kumar Kushwaha	Ratio Mathematica	2020	2282-8214	http://eiris.it/ojs/index.php/ratiomathematica/index	http://dx.doi.org/10.23755/rm.v38i0.504	UGC-CARE
8	On The Approximation of Conjugate of Function by Almost Triangular Matrix Summability Means	Jitendra Kumar Kushwaha	International Journal of Management technology and Engineering	2019	2249-7455	http://www.ijamtes.org/	DOI:16.10089.IJMTE.2019.V9I3.19.27979	UGC-CARE (2019)
9	On the Approximation of Generalized Lipschitz Function by Euler Means of Conjugate Series of Fourier Series	Jitendra Kumar Kushwaha	The Scientific World Journal	2013	2356-6140	https://www.hindawi.com/journals/tswj/about/	https://doi.org/10.1155/2013/508026	Others

10	Approximation of a Function Belonging to $Lip(\alpha, r)$ Class by $N_{p,q}$ C1 Summability Method of its Fourier Series	Jitendra Kumar Kushwaha & Binod Prasad Dhakal	Nepal Journal of Science and Technology	2013	1994-1412	https://www.nepjol.info/index.php/NJS/T/about	file:///C:/Users/jitendra%20kumar/Downloads/8465.pdf	Others
11	APPROXIMATION OF FUNCTIONS BELONGING TO GENERALIZED $Lip(\xi(t), r)$ CLASS USING LOWER TRIANGULAR MATRIX SUMMABILITY METHOD	Shyam Lal & Jitendra Kumar Kushwaha	International Journal of Engineering Science and Technology (IJEST)	2011	0975-5462	http://www.ijest.info/past-issues.php	http://www.ijest.info/docs/IJEST11-03-07-052.pdf	Others
12	Approximation of Conjugate of Functions Belonging to the Generalized Lipschitz Class by Lower Triangular Matrix Means	Shyam Lal & Jitendra Kumar Kushwaha	Int. Journal of Math. Analysis	2009	1314--7579	http://www.m-hikari.com/ijma/	http://www.m-hikari.com/ijma/ijma-password-2009/ijma-password21-24-2009/kushwahaIJMA21-24-2009.pdf	Others
13	Degree of Approximation of Lipschitz Function By Product Summability Method	Shyam Lal & Jitendra Kumar Kushwaha	International Mathematical Forum	2009	1314-7536	http://www.m-hikari.com/imf.html	http://www.m-hikari.com/imf-password2009/41-44-2009/kushwahaIMF41-44-2009.pdf	Others

14	On the approximation of conjugate of Functions belonging to $Lip(\xi(t), p)$ class by generalized Norlund means	Shyam Lal & Jitendra Kumar Kushwaha	The Nepali Math Science Report	2009	2392-411X	https://www.nepjol.info/index.php/nmsr	Others
15	Approximation of Conjugate of Functions belonging to $Lip(\xi(t), r)$ class by $C1.N_p$ summability method of Conjugate Series of Fourier series	Shyam Lal & Jitendra Kumar Kushwaha	Prog. of Mathematics	2007 & 2008			Others

14. Books and chapters in edited volumes / books published

S No.	Title of the book	Title of the chapter	National / international	Year of publication	ISBN number	Affiliating Institute at the time of publication	Name of the publisher
1	A Text Book of Operations Research	--	National	2024	978-93-94653-96-2	Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur	Vandana Prakasha, Gorakhpur
2	A Text book of Differential Equations	--	National	2023	978-81-959845-5-8	Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur	Kanha Publishing House Gorakhpur
3	A Text book of Analytical Geometry and Vector Calculus	----	National	2019	978-93-86201-16-4	Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur	Vandana Prakasha, Gorakhpur

15. Professional development Programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes

S. No.	Year	Title of the professional development Programme	Date and Duration (from – to)
1	2024	NEP-2020 Orientation and Sensitization Programme	04-01-2024 to 12-01-2024
2	2023	Refresher Course in Mathematical Sciences	08-12-2023 to 21-12-2023
3	2019	Orientation Programme	13-07- 2019 to 02-08-2019
4	2021	Refresher Course in Mathematical Sciences	29 -12-2020 to 11-01-2021
5	2020	Faculty Development Programme (Learning Advance E-Tools for Moocs Development & Research)	01-09-2020 to 14-09-2020
6	2020	Faculty Development Programme (Applications of Optimization Techniques in Science and engineering)	23-08-2020 to 27-8-2020
5	2019	Workshop on Internal Quality Assurance Cell	14-09-2019

16. E-content is developed (UG & PG)

i. For e-PG-Pathshala, ii. For CEC (Under Graduate), iii. For SWAYAM, iv. For other MOOCs platform, v. For NPTEL/NMEICT/any other Government Initiatives

Name of the module developed	Platform on which module is developed	Date of launching e content	Link to the relevant document and facility available in the institution	List of the e-content development facility available	Provide link to videos of the media centre and recording facility
Lecture-01 (Group & Canonical	e-PATHSALA DDU	2020-2021	http://ddugu.ac.in/ePathshala Attachments/STUDY	NA	NA

Form)	GORAKHPUR UNIVERSITY		336@437735.pdf		
Lecture-02 (Group & Canonical Form)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://182.18.165.51/epathshala_content.aspx	NA	NA
Lecture-03 (Group & Canonical Form)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@287221.pdf	NA	NA
Lecture-04 (Group & Canonical Form)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@222759.pdf	NA	NA
Lecture-05 (Group & Canonical Form)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@312719.pdf	NA	NA
Lecture-01 (Operations Research)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@574835.pdf	NA	NA
Lecture-02 (Operations Research)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@693185.pdf	NA	NA
Lecture-03 (Operations Research)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@256858.pdf	NA	NA
Lecture-04 (Operations Research)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@839468.pdf	NA	NA
Lecture-05 (Operations Research)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@887822.pdf	NA	NA
(Linear Programming & Game Theory), Lecture-01	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@510722.pdf	NA	NA
(Linear Programming & Game Theory),	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePathshala_Attachments/STUDY336@791212.pdf	NA	NA

Lecture-02					
(Linear Programming & Game Theory), Lecture-03	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@860203.pdf	NA	NA
(Linear Programming & Game Theory), Lecture-04	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@622660.pdf	NA	NA
(Linear Programming & Game Theory), Lecture-05	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@826956.pdf	NA	NA
(Linear Programming & Game Theory), Lecture-06	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@737776.pdf	NA	NA
(Linear Programming & Game Theory), Lecture-07	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@251314.pdf	NA	NA
(Linear Programming & Game Theory), Lecture-08	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@282746.pdf	NA	NA
(LPP & GT), Lecture-09	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@511809.pdf	NA	NA
(LPP & GT), Lecture-10	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@738486.pdf	NA	NA
Lecture-01 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@310289.pdf	NA	NA
Lecture-02 (Analytical	e-PATHSALA DDU GORAKHPUR	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY	NA	NA

Geometry & Vector Calculus)	UNIVERSITY		336@574445.pdf		
Lecture-03 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY336@959176.pdf	NA	NA
Lecture-04 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY336@288283.pdf	NA	NA
Lecture-05 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY336@275644.pdf	NA	NA
Lecture-06 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY336@592164.pdf	NA	NA
Lecture-07 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY336@963505.pdf	NA	NA
Lecture-08 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY336@555565.pdf	NA	NA
Lecture-09 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY336@154128.pdf	NA	NA
Lecture-10 (Analytical Geometry & Vector Calculus)	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY336@739746.pdf	NA	NA
Lecture-11 (Analytical	e-PATHSALA DDU GORAKHPUR	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY	NA	NA

Geometry & Vector Calculus)	UNIVERSITY		336@789845.pdf		
Lecture-12 (Analytical Geometry & Vector Calculus	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@131647.pdf	NA	NA
Lecture-13 (Analytical Geometry & Vector Calculus	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@291786.pdf	NA	NA
Lecture-14 (Analytical Geometry & Vector Calculus) For Gradient	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@169720.pdf	NA	NA
Lecture-15 (Analytic Geometry & Vector Calculus) for Divergence & Curl	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@440520.pdf	NA	NA
Lecture-16 (Analytical Geometry & Vector Calculus) for Integration of Vectors	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@434998.pdf	NA	NA
Lecture-17 (Analytic Geometry & Vector Calculus) For Line Integrals	e-PATHSALA DDU GORAKHPUR UNIVERSITY	2020-2021	http://ddugu.ac.in/ePaths_hala_Attachments/STUDY_336@794934.pdf	NA	NA

17. Details of Conference/Seminar attended –

Year	Name of the conference/ workshop	International/National /State
2022	National Conference of mathematics and its Application in Science (NCMAS)	National
2019	International	International

	Conference on Differential Geometry and Relativity	
2018	National Conference on Recent Trends in Mathematical Sciences	National
2013	International Conference on Mathematical Modeling and Numerical Simulation	International
2013	National Conference on Role of Mathematics in Advancement of Science and Technology	National
2012	International Conference on Mathematical Sciences	International
2012	National Seminar on The Rich Heritage of Mathematics in India	National
2010	International Congress of Mathematicians	International
2010	Advanced Training Programme in Functional Analysis	National
2009	National Conference on Analysis and its Applications	National
2009	Sixth National Conference Organised by ISMAMS	National
2008	National Meet of Research Scholars in Mathematical Sciences	National

18. Any other information: In DDU Campus I have successfully completed the following duties:

- 1. ADSW since 08 February 2024 to till date.**
- 2. Member of Sports Council from October 2023 to till date.**
- 3. Departmental Representative of IQAC 2019 to 2023.**
- 4. Member of Flying Squad Team in Examination held in 2019, 2020, 2023-24.**
- 5. Member of M.Sc. Ist year Admission committee 2021, 2022.**