



**MAHARAJA AGRASEN
COLLEGE**
University of Delhi
VASUNDHARA ENCLAVE, DEIHI-II0096



Curriculum Vitae of Faculty Members

First Name	Dr. RENU	Last Name	SAINI		
Designation	Assistant Professor	Department	Mathematics		
Date of Birth	18/02/1985	Date of Joining	29/01/2018		
Residential Address	L-12A02, Grand Ajnara Heritage, Sector-74, Noida.				
Contact No	9811733163	Email Id	renusaini@mac.du.ac.in		
Education					
	Institution	Year	Details		
Ph.D	IIT Roorkee	Jan, 2016	-		
Masters	IIT Roorkee	2008	Ist		
Graduation	H. N. B Garhwal University	2006	Ist		
Career Profile					
Organization/ Institution	Post Held	Adhoc/Temp/ Permanent	From	To	Total Experience
Inderprastha Engineering College	Assistant Professor	Permanent	11/07/2016	27/01/2018	1.6 Years
Maharaja Agrasen College, University of Delhi	Assistant Professor	Ad-hoc	29/01/2018	Till date	4.10 Year
Teaching Experience (Subjects/Courses Taught) Engineering Mathematics-I, Computer Based Numerical and statistical Techniques, Engineering Mathematics-II, Engineering Mathematics-III, Linear Algebra, Real Analysis, Numerical Analysis, Operational Research and Calculus.					
Areas of Interest/Specialization Theory of vibration, Numerical Analysis, Differential equations					
Details of Published Research Papers, Books, Monographs, Reviews, Chapter in Books, Translations and Creative Positons held					
Year of Publications	Title	ISBN No	Publisher	Co-Authors	
2013	Buckling and vibration of non-homogeneous rectangular plates	1070-9622	Shock and Vibration	Roshan Lal and Renu Saini	

2015	subjected to linearly varying in-plane force. Buckling and vibration analysis of non-homogeneous rectangular Kirchhoff plates resting on two-parameter foundation.	00256455 (Print) 15729648 (Online)	Meccanica	Roshan Lal and Renu Saini
2015	On the use of GDQ for vibration characteristic of non-homogeneous orthotropic rectangular plates of bilinearly varying thickness.	0001-5970	Acta Mechanica	Roshan Lal and Renu Saini
2016	Mode shapes and frequencies of rectangular plates with arbitrarily varying non-homogeneity along two concurrent edges.	1077-5463	Journal of Vibration and Control	Roshan Lal and Renu Saini
2018	Free vibration analysis of two-dimensional non-homogeneous rectangular plates of variable thickness	0974-570X (Online); 0974-5718 (Print)	International Journal of Mathematics and Computation	Renu Saini and Roshan Lal
2022	Dynamic analysis of heated temperature-dependent bi-directional advanced composites circular plates with quadratically thickness variation	0149-5739	Journal of Thermal Stresses	Rahul Saini, Roshan Lal, Renu Saini, and Mohamed Amine Khadimallah

Participation in conferences, seminars, workshops, refreshers, orientation courses attended, summer institutes etc.

State/National International	Title	Organization	Period
International Conference	Buckling and vibration of non-homogeneous orthotropic rectangular plates with variable thickness using DQM.	Second International Conference on Soft Computing for Problem Solving (<i>Soc ProS-2012</i>)" held at JK Lakshmipath University, Jaipur, Rajasthan, India.	December 28-30, 2012.
International Conference	Transverse vibration of non-homogeneous rectangular plates using GDQ.	International Conference on Mathematics and Engineering Science (<i>ICMES-2014</i>)" held	

		at Chitkara University, Baddi, Himachal Pradesh, India.	March 20-22, 2014.
International Conference	Transverse vibration of simply supported non-homogeneous rectangular plates of variable thickness.	International Conference on Mathematical Sciences (ICMS-2014)” held at Sathyabama University, Chennai, Tamil Nadu.	July 17-19, 2014.
International Conference	Transverse vibration of non-homogeneous rectangular plates of variable thickness using GDQ.	International Conference on Computer Science and Applied Mathematics (ICCSAM-2014).	September 11-12, 2014.
International Conference	Transverse vibration of non-homogeneous rectangular Kirchhoff plates of variable thickness	International Conference on Recent Trends in Mathematical Analysis and its Applications (ICRTMAA-2014)	December 21-23, 2014.
Workshop	Introduction to MATLAB and MATHEMATICA	Indian Institute of Technology Roorkee, Roorkee, Uttarakhand.	April 21-22, 2012.
Workshop	Scientific Computing: Theory and Practices (SCTP-2012)	Faculty of Engineering and Technology, Gurukul Kangri University, Haridwar	October 8-13, 2012.
Workshop	Emerging Computational Methods for Science and Engineering Applications	Jaypee Institute of Information Technology, Noida	March 15-16, 2019.
Faculty Development Program	Faculty Development Program on R Programming	Maharaja Agrasen College, University of Delhi, Delhi.	February 21-27, 2018.
Webinar	Enhancing, ‘Research interest ‘of research publication.	Maharaja Agrasen College, University of Delhi, Delhi.	3, June 2020
Webinar	An analysis of opting old tax rates regime for financial year 2020-21	Maharaja Agrasen College, University of Delhi, Delhi.	2, June 2020
Webinar	Roles of Statistics and Opportunities in UNICEF and Population Science	Maharaja Agrasen College, University of Delhi, Delhi.	17, September 2020
International Conference	Effect of exponentially varying non-homogeneity on the transverse vibration of	JECRC University, Jaipur (Raj.), India	7-9, August 2020

	orthotropic rectangular plates		
International Conference	Generalized differential quadrature method for vibration analysis of non-homogeneous orthotropic thin rectangular plates	Indian Mathematical Society	17-20, December 2020
e-short term course	Advanced Mathematical Techniques for Engineers & Scientists (AMTES20)	TEQIP-III SPONSORED E-STC National Institute of Technology Rourkela	28-30, September 2020
e-short term course	Linear Algebra and its Applications	Indian Institute of Technology, Delhi	16-20, December 2020
Faculty Development Program	Decision Making In Management Using R	Guru Angad Dev Teaching Learning Centre SGTB Khalsa College, University of Delhi	23 October-1 November 2020
Faculty Development Program	Teaching and Learning Strategies of Differential Equations and Applications in Science and Engineering	National Institute of Technology Warangal	28 December 2020-1 January 2021
International Conference	An exact solution of vibration of simply supported isotropic rectangular plates	87 th Annual Conference of Indian Mathematical Society	December 4-7,2021
Workshop	Document Preparation Using Latex	by A2Z Edulearning Hub	November 19-21, 2021
Workshop	Differential Equations: Theory, Analysis and Application with Matlab-2021(DETAAM-2021)	School of Physical Sciences, DIT University	12-16 July 2021

I certify that the information given above is correct and factual to the best of my knowledge.

Date: 29/11/2022

Signature: Renu Saini