



**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 Year
Maharaja Agrasen College, University of Delhi	Assistant Professor	Ad-hoc	29/01/2018	26/08 /2020	2.6 Year
Teaching Experience (Subjects/Courses Taught)					
Engineering Mathematics-I, Computer Based Numerical and statistical Techniques, Engineering Mathematics-II, Engineering Mathematics-III, Linear Algebra, Numerical Analysis, Differential Equations, Optimization Techniques, Integer Programming problem and Game Theory.					
Areas of Interest/Specialization					
Theory of vibration, Numerical Analysis, Differential equations, Operation Research.					
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	1070-9622	Shock and Vibration	Roshan Lal and Renu Saini	

2015	<p>rectangular plates subjected to linearly varying in-plane force.</p> <p>Buckling and vibration analysis of non-homogeneous rectangular Kirchhoff plates resting on two-parameter foundation.</p>	1572-9648	Meccanica	Roshan Lal and Renu Saini
2015	<p>On the use of GDQ for vibration characteristic of non-homogeneous orthotropic rectangular plates of bilinearly varying thickness.</p>	0001-5970	Acta Mechanica	Roshan Lal and Renu Saini
2016	<p>Mode shapes and frequencies of rectangular plates with arbitrarily varying non-homogeneity along two concurrent edges.</p>	1077-5463	Journal of Vibration and Control	Roshan Lal and Renu Saini
2018	<p>Free vibration analysis of two-dimensional non-homogeneous rectangular plates of variable thickness</p>		International Journal of Mathematics and Computation	Renu Saini and Roshan Lal
<b>Participation in conferences, seminars, workshops, refreshers, orientation courses attended, summer institutes etc.</b>				
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 ( <b><i>Soc ProS-2012</i></b> )" 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 ( <b><i>ICMES-2014</i></b> )" 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 ( <b><i>ICMS-2014</i></b> )" 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 ( <i>ICCSAM-2014</i> ).	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 ( <i>ICRTMAA-2014</i> )	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	An Analysis of Opting Old Tax Rates Regime for Financial Year 2020-21	Maharaja Agrasen College, University of Delhi, Delhi.	June 2, 2020.
Webinar	Enhancing 'Research Interest' of Research Publications	Maharaja Agrasen College, University of Delhi, Delhi.	June 3, 2020.
International Conference	Effect of exponentially varying non-homogeneity on the transverse vibration of orthotropic rectangular plates.	3rd International Conference on Mathematical Modelling, Applied Analysis and Computation ( <i>ICMMAAC-2020</i> ). JECRC University, Jaipur.	August 7-9, 2020.

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

**Date: 26-08-2020**

**Signature: Dr. Renu Saini**