




**ZAKIR HUSAIN DELHI COLLEGE**  
(University of Delhi)

**Faculty Details**

<b>Title</b>	<b>First Name</b>	<b>Last Name</b>	
<b>Dr</b>	Gurpreet Singh	Tuteja	
<b>Designation</b>	Professor of Mathematics		
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<a href="https://www.linkedin.com/in/gstuteja/">https://www.linkedin.com/in/gstuteja/</a>			
<b>Educational Qualifications</b>			
<b>Degree</b>	<b>University</b>	<b>Year</b>	
B.Sc.(Hons.) Mathematics	University of Delhi, Delhi	1983 - 1986	
M.Sc.(Mathematics)	University of Delhi, Delhi	1986 - 1988	
PhD in Mathematics	University of Delhi, Delhi	1988 - 1993	
M.Sc. (Psychology)	University of Madras	2007 – 2009	
<b>Career Profile</b>			
<p><b>1. Deputy Dean of Students' Welfare</b>, University of Delhi (2008-18)  <b>2. Pro Vice-Chancellor (Academic Admin)</b> &amp; Professor (Mathematics) in Shree Guru Gobind Singh Tricentenary University, Gurugram (From 2 November 2018 -17 April 2020)</p>			
<b>Administrative Assignments</b>			
Joint Dean Students' Welfare, University of Delhi (2022- Till date)			
<b>Areas of Interest / Specialization</b>			
Applied Mathematics, Epidemiology and Computer Programming			
<b>Subjects Taught</b>			
<p>a. Maxima, R, C, Python, C++, FORTRAN and worked on UNIX platform  b. Numerical Analysis, Calculus and Linear Programming using different CAS (Computer Algebra Systems)</p>			
<b>Publications Profile</b>			
<p>1. Comments on "The Solution of a Mathematical Model for Dengue Fever Transmission Using Differential Transformation Method: <i>J. Nig. Soc. Phys. Sci.</i>, 1(3), 82-87, Nov. 2019". <i>J. Nig. Soc. Phys. Sci.</i>, 3(2021)82-88.</p>			

<ol style="list-style-type: none"> <li>2. Covid-19: Predicting the third wave using Neural Network: <i>Journal of Emerging Technologies and Innovative Research</i>, 8(7) (2021) 377-386.</li> <li>3. Solution of Rayleigh-Plesset Equation Using Differential Transform Method, Jnanabha, Published by Vijnana Parishad of India, 51(No 2-2021)24-27 (UGC)</li> <li>4. A Novel Hybrid Approach of Gravitational Search Algorithm and Decision Tree for Twitter Spammer Detection, <i>International Journal of Modern Physics C</i>, 2021, <a href="https://doi.org/10.1142/S0129183122500607">https://doi.org/10.1142/S0129183122500607</a> (SCI)</li> <li>5. Optimised Differential Transform Method: ‘Goldilocks Order’ of Polynomial Solution, 2021 9th International Conference on Cyber and IT Service Management (CITSM), 2021, pp. 1-6, DOI: 10.1109/CITSM52892.2021.9589011.</li> <li>6. Role of 'Guru Ka Langar' in Pandemic Management During COVID-19: Guided by Religious Belief. <i>Journal of Business Thought</i>. 13(2022) 85 – 93 (UGC).</li> </ol>
<p><b>Conference Organization/ Presentations (in the last five years)</b></p>
<p>Conducted Several Workshops on MOOCs (Massive Open Online Courses), Statistical Package R, ChatGPT, and MAXIMA (CAS) in ILL and in various Colleges of Delhi University as a Resource person.</p>
<p><b>Awards and Distinctions</b></p>
<p>“Distinguished Teacher” award by the University of Delhi  Dr S. Radha Krishnan National Teachers’ Award  Senior Research Fellowship by CSIR of India</p>
<p><b>Association With Professional Bodies</b></p>
<ol style="list-style-type: none"> <li>1. Microsoft Certified Solution Developer in VB 5.0 and SQL server 6.5 (Candidate ID: SP2320537 Year 1999)</li> <li>2. Associate Member of Insurance Institute of India in Marine Branch (Diploma No. A/16647-112 awarded on 12 May 1992).</li> <li>3. Life Member of the Mathematical Society of India</li> <li>4. Vijnana Parishad of India</li> </ol>
<p><b>Books Published</b></p>
<ol style="list-style-type: none"> <li>1. <i>Practical Mathematics using Maxima</i>, International Book House, ISBN 978-93-81335-21-5, (2012)</li> <li>2. <i>Introduction to Maxima (Open-Source Software)</i> Book Age Publication 978-93-8328161-9 (2020)</li> </ol>
<p><b>International Lectures</b></p>
<ol style="list-style-type: none"> <li>1. Khalsa College, London February 1- March 24, 2004</li> <li>2. Gaeddu College of Business Studies, Bhutan (March 23, 2016- March 29, 2016)</li> <li>3. Invited Lectures at Waljat Colleges of Applied Sciences (October 16-24, 2004).</li> </ol>