




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

**Faculty Details**

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<b>Title</b>	<b>First Name</b>	<b>Last Name</b>	<b>Photograph</b>
Dr.	Nitesh	Dhiman	
<b>Designation</b>	Assistant Professor		
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<b>Educational Qualification</b>			
<b>Degree</b>	<b>Institution</b>	<b>Year</b>	
10 <sup>th</sup>	Janta Inter College (U.P. Board)	2006	
12 <sup>th</sup>	Janta Inter College (U.P. Board)	2008	
B.Sc.	Ch. Charan Singh University, Meerut, India	2011	
M.Sc.	Gurukula Kangri Vishwavidyalaya, Haridwar, India	2013	
Ph.D.	Ch. Charan Singh University, Meerut, India	2023	
<b>Career Profile</b>			
<b>Administrative Assignments</b>			
<b>Areas of Interest / Specialization</b>			

Fuzzy Set Theory

### Subjects Taught

Group Theory, Real analysis

### Research Guidance

### Publications Profile

S. No.	Title	Journal/Book chapter title	Link
1	Modified Round Robin CPU Scheduling: A Fuzzy Logic-Based Approach	Applications of Operational Research in Business and Industries	DOI: 10.1007/978-981-19-8012-1_24
2	Artificial Neural Network Based Type-2 Fuzzy Optimization for Medical Diagnosis	Recent Trends on Type-2 Fuzzy Logic Systems: Theory, Methodology and Applications	<a href="https://doi.org/10.1007/978-3-031-26332-3_10">DOI: 10.1007/978-3-031-26332-3_10</a>
3	Intuitionistic Type-II Fuzzy Logic-Based Inference System and Its Realistic Applications to the Medical Field	Recent Trends on Type-2 Fuzzy Logic Systems: Theory, Methodology and Applications	DOI: 10.1007/978-3-031-26332-3_8
4	Emotional Intelligence and Its Management in the Conflicting Factors in the Pandemic by Using a Mediative Fuzzy Logic System	Effectiveness of Leadership	DOI: 10.1201/9781003303862-4
5	Neutrosophic Monte Carlo Simulation Approach for Decision Making In Medical Diagnostic Process Under Uncertain Environment	International Journal of Neutrosophic Science	DOI: 10.54216/IJNS.220101
6	Color and Psychological Functioning with LSTM: The Impact of Colors on Emotional Quotient	Journal of Positive School Psychology	<a href="https://journalppw.com/index.php/jpsp/article/view/8285">https://journalppw.com/index.php/jpsp/article/view/8285</a>
7	Logic of Meyons: A fuzzy logic approach	NeuroQuantology	<a href="https://www.researchgate.net/publication/361984242_30005">https://www.researchgate.net/publication/361984242_30005</a>
8	AN INTUITIONISTIC FUZZY LOGARITHMIC MEASUREMENT FOR TRAVELLING SALESMAN PROBLEM	<a href="#">Advances in Fuzzy Sets and Systems</a>	DOI: 10.17654/0973421X22008
9	Post-symptomatic Detection of COVID-2019 Grade based Mediative Fuzzy Projection	<a href="#">Computers &amp; Electrical Engineering</a>	DOI: 10.1016/j.compeleceng.2022.108028
10	Fuzzy Reliability Analysis of a Multi-Chiller System based on Modern Analytics	Journal of International Academy of Physical Sciences	<a href="https://www.researchgate.net/publication/359339696">https://www.researchgate.net/publication/359339696</a>

11	On Z-Intuitionistic Fuzzy Fractional Valuations for Medical Diagnosis: An Intuitionistic Fuzzy Knowledge-Based Expert System	<a href="#">Fractal and Fractional</a>	DOI: 10.3390/fractalfrac6030151
12	Mediative Fuzzy Pythagorean Algorithm to Multi-criteria Decision-Making and Its Application in Medical Diagnostic	Computational Modelling in Industry 4.0	DOI: 10.1007/978-981-16-7723-6_14
13	IoMT Tsukamoto Type-2 Fuzzy Expert System in Medical Diagnostic	<a href="#">SSRN Electronic Journal</a>	DOI: 10.2139/ssrn.4117243
14	<a href="#">Employee Retention And Attrition Analysis: A Novel Approach On Attrition Prediction Using Fuzzy Inference And Ensemble Machine Learning</a> Fuzzy reliability evaluation of complex systems with Monte Carlo simulation	Webology <a href="#">AIP Conference Proceedings</a>	<a href="http://www.webology.org">http://www.webology.org</a> DOI: 10.1063/5.0062861
15	Evaluation of Complex Systems with Monte Carlo Simulation		
16	Mediative neuro fuzzy inference and mediative fuzzy expert system for the identification of severity diagnosis of the dengue patients	<a href="#">AIP Conference Proceedings</a>	DOI: 10.1063/5.0062862
17	A Fuzzy Optimization Technique for Multi-Objective Aspirational Level Fractional Transportation Problem	<a href="#">Symmetry</a>	DOI: 10.3390/sym13081465
18	A Mediative Fuzzy Logic-Based Approach to the Goal Programming Problem: In the Context of Multi-Objective Solid Transportation Problem	Soft Computing Techniques in Engineering, Health, Mathematical and Social Sciences	DOI: 10.1201/9781003161707-4
19	Mediative Fuzzy Extension Technique and Its Consistent Measurement in the Decision Making of Medical Application	<a href="#">Mathematical Problems in Engineering</a>	DOI: 10.1155/2021/5530681
20	Mediative fuzzy logic mathematical model: A contradictory management prediction in COVID-19 pandemic	<a href="#">Applied Soft Computing</a>	DOI: 10.1016/j.asoc.2021.107285
21	A Genetic Algorithm Approach for Multi-Objective Transportation Problem with Hexagonal Fuzzy Number	Aligarh Journal of Statistics	<a href="https://www.aligarhjournalstatistics.com/">https://www.aligarhjournalstatistics.com/</a>
22	Mediative Fuzzy Logic of Sugeno-Tsk Model For The Diagnosis of Diabetes	<a href="#">Journal of Physics Conference Series</a>	DOI: 10.1088/1742-6596/1724/1/012028
23	Meditative Fuzzy Logic and Agricultural Production Planning: State Level Investigation of Wheat Crop in India	Int. J. Agricult. Stat. Sci.	DocID: <a href="https://connectjournals.com/03899.2020.16.88">https://connectjournals.com/03899.2020.16.88</a>
24	Vague groups redefined with respect to t-Norm	Advances in Mathematics Scientific Journal International	<a href="https://doi.org/10.37418/amsj.9.10.76">https://doi.org/10.37418/amsj.9.10.76</a>
25	Calculus of new intuitionistic fuzzy generator: In generated intuitionistic fuzzy sets and its applications in medical diagnosis	Journal of ADVANCED AND APPLIED SCIENCES International	DOI: 10.21833/ijaas.2020.10.014
26	Fuzzy Logic Inference System for Identification and Prevention of Coronavirus (COVID-19)	Journal of Innovative Technology and Exploring Engineering International	DOI: 10.35940/ijitee.F4642.049620
27	Diabetes Diagnostic Model Based on Truth-value Restrictions Method Using Inference of Intuitionistic Conditional and Qualified Fuzzy Propositions	Journal of Engineering and Advanced Technology	DOI: 10.35940/ijeat.B2923.129219

Mediative Multi-Criteria Decision Support System for Various Alternatives Based on Fuzzy Logic 28	International Journal of Recent Technology and Engineering (IJR) DOI: 10.35940/ijrte.D4207.118419
<b>Conference Organization/ Presentations (in the last five years)</b>	
<p>1. Paper entitled “A Mediative Fuzzy Logic Approach Based on Sugeno TSK Model for The Diagnosis of Diabetes” presented in 24th International Conference of International Academy of Physical Sciences CONIAPS XXIV organized by Ch. Charan Singh University Meerut, India (9-11 August 2019)</p> <p>2. Paper entitled “A Fuzzy Knowledge Based Expert System on Z-Valuations for Medical Diagnosis” presented in 27th International Conference of International Academy of Physical Sciences CONIAPS XXVII organized by Department of Mathematics, National Institute of Agartala (26-28 October 2021)</p>	
<b>Research Projects (Major Grants/Research Collaboration)</b>	
<b>Awards and Distinctions</b>	
Research excellence award given by “students program for academic caliber and excellence (SPACE)”	
<b>Association With Professional Bodies</b>	
<b>Other Activities</b>	
A patent on “Type-2 Neuro Fuzzy Method and System, Intellectual Property India”, Ministry of Commerce & Industry, Government of India.	