JSS Mahavidyapeetha

JSS Academy of Technical Education, Noida

Department of Mathematics

FACULTY PROFILE

1. Personal Details

NAME	**Dr. NIKUNJ AGARWAL**	
DEPARTMENT	MATHEMATICS	
DESIGNATION	ASSISTANT PROFESSOR	
PHONE	8447747824	
EMAIL ID	nikunjagarwal@jssaten.ac.in	
Date of Joining (JSSATEN)	01-01-2011	

2. Experience

Total Experience in Years: 16	Teaching: 10	Industry: - Nil	Research: - 6

3. Qualifications

COURSES	SPECIALIZATION	Year of Award	INSTITUTION	UNIVERSITY
B.Sc.	Physics, Statistics, Mathematics	2004	D.A.V Degree college, Muzaffarnagar	Ch. Charan Singh University
M.Sc.	Mathematics	2006	D.A.V Degree college, Muzaffarnagar	Ch. Charan Singh University
Ph.D.	Fuzzy Set Theory	2018	Jaypee Institute of Information & Technology, Noida	Jaypee University
Post Doc.	-	-	-	-

4. Research & Publications

Papers Published in Web of Science indexed Journals	International: 04	National: 00
Papers Published in SCOPUS indexed Journals	International: 03	National: 00
Papers Published in other Journals	International: 04	National: 00
Papers Presented in Conferences / Symposium	International: 02	National: 00
Books / Book chapters Published	Name of the book: **"PYTHAGOREAN FUZZY SET: THEORY AND APPLICATIONS"** Publisher: **SPRINGER NATURE** Year of Publication: **2021** Name of the book: **Women Empowerment** Publisher: **SAHAJ PRAKASHAN** Year of Publication: **2020**	

5. Research Guidance: NIL

PhD Guide? Give field & University	-	-
PhDs / Projects Guided	-	-

6. Grants

i. Funds Received (Projects): NIL

Project Name	Grant Amount	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

ii. Patents: NIL

Sl. No.	Title Details	Details of award of patent / Filed
1	**Title:** A novel method for developing fuzzy code word length noiseless coding theorem	**The Patent Office Journal No.** 35/2023

		Application No. 202311052783 A **Publication Date:** 01-09-2023

iii. Consultancy: NIL

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
-	-	-	-	-

7. Awards Received: NIL

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8. Publications

i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Some improved interactive aggregation operators under interval-valued intuitionistic fuzzy environment and its application to decision making process	Harish Garg, **Nikunj Agarwal** and Alka Tripathi	Scientia Iranica. Transaction E, Industrial Engineering	Vol. 24, Issue 5, 2016	**Both**	1.435	Sharif University of Technology
2	Choquet Integral-Based Information Aggregation Operators under the	Harish Garg, **Nikunj Agarwal** and Alka Tripathi	International Journal for Uncertainty Quantification.	Vol. 7, Issue 3, 2017	**Both**	4.911	Begel House Inc.

	interval-valued intuitionistic fuzzy set and Its Applications to Decision-Making Process						
3	Generalized intuitionistic fuzzy entropy measure of order alpha and degree beta and its applications to multi-criteria decision making problem	Harish Garg, **Nikunj Agarwal** and Alka Tripathi	International Journal of Fuzzy System Applications	Vol. 6, Issue 1, 2017	**Scopus**	-	IGI Global
4	Entropy based multi-criteria decision making method under fuzzy environment and unknown attribute weights	Harish Garg, **Nikunj Agarwal** and Alka Tripathi	Global Journal of Technology and Optimization	Vol. 6, Issue 3, 2015	-	-	Hilaris
5	Fuzzy Number Intuitionistic fuzzy soft sets and its properties	Harish Garg, **Nikunj Agarwal** and Alka Tripathi	Journal of Fuzzy set valued Analysis	Vol. 3, 2016	-	-	-
6	A novel generalized parametric directed divergence measure of intuitionistic	Harish Garg, **Nikunj Agarwal** and Alka Tripathi	Annals of Fuzzy Mathematics and Informatics	Vol. 13, Issue 6, 2017	-	-	-

	fuzzy sets with its application						
7	Decision making model based on fuzzy AHP and TOPSIS using weakest t-norm operations	**Nikunj Agarwal**	Annals of Optimization Theory and Practice	2021	-	-	-
8	Multiple attribute group decision-making based on generalized aggregation operators under linguistic interval-valued Pythagorean fuzzy environment	Rajkumar Verma, **Nikunj Agarwal**	Granular Computing, Springer	2022	**WOS**	-	-

ii. National Journals: NIL

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
-	-	-	-	-	-	-	-

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Conference	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher

1	Choquet integral-based intuitionistic fuzzy bonferroni mean operator	Harish Garg, **Nikunj Agarwal** and Alka Tripathi	9th International Conference on Contemporary Computing (IC3)	**2016**	**WOS**	**-**	**IEEE**
2	Decision making model with AHP and TOPSIS using weakest t-norm operations under Interval-valued intuitionistic fuzzy environment	Harish Garg, **Nikunj Agarwal** and Alka Tripathi	National Conference on Recent Trends in Mathematics with Applications	**2019**	**-**	**-**	**SRM University Lucknow**
3	Triangular Fuzzy Number Intuitionistic Fuzzy Soft Set and its Properties	**Nikunj Agarwal**	International Conference on Soft Computing for Problem Solving (SocProS 2016)	**2016**			Thapar University, Patiala
4	Multiple-attribute group decision-making based on improved aggregation operators in intuitionistic fuzzy framework	**Nikunj Agarwal, RajKumarVerma**	International Conference on Pure and Applied Mathematics (ICPAM 2023),	**2023**			NIT Jalandhar

iv. Workshops /Conferences Attended

Sl. No.	Name of the workshop / Conference	Organizer	Date

1	Operations Research and its Applications to Engineering and Management	I.T.S. Engineering College, Greater Noida	08-05-2010
2	Advanced computing and software tools	JIIT, Noida	30-10-2010
3	General Relativity Centennial	Centre for Theoretical Physics, Jamia Millia Islamia, New Delhi	10-12-2015 to 12-10-2015
4	Numerical methods using scilab	JIIT, Noida	8-04-2016 to 9-04-2016
5	Cyber Crime and Forensic Tools	NITTTR	23-05-2022 to 27-05-2022

v. Workshops / Conference (Organized)

Sl. No.	Name of the workshop / Conference	Organized by	Date	Role
1	Short Term Course on Operations Research through ICT	NITTTR	28-03-2016 to 01-04-2016	Member
2	One day National webinar on the topic "The Universe and Mathematical Modelling"	JSSATEN	11 June 2020	Member

vi. Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body): NIL

Sl. No.	Name of the workshop / Conference	Organizer	Date
-	-	-	-

9. Details of NPTEL / COURSERA courses completed

Sl. No.	Name of the subject	Organized by	Date of completion / Award	Grade / Marks
1	Discrete Mathematics	NPTEL	2019	**81%**
2	Fundamental of Outcome Based Curriculum in Engineering Education	NPTEL	2019	**58%**

10. **Membership of Professional Bodies: NIL**
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11. **Any other information you will like to share about your professional experience: NIL**
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