

PROFILE

Personal Profile

1. Name : Dr. Manoj Kumar Sharma
2. Designation : Assistant Professor
3. Department : Mathematics
4. Gender : MALE
5. DOB : 01/April/1983
6. Contact : 9691370044, 9826570044
7. Email id : professordrmanojsharma@gmail.com
8. Address : Laxmi Villa B-26 Sector-1, Near Ekta Nagar Chowk, Infront of Canal Linking Road, Ekta Nagar Gudhiyari Raipur (C.G.) Pin Code 492011.
9. Area of specialization : PhD in Applied Mathematics.



10. Educational Qualification :

Examination	Year	Percentage	Institute/College	University/Board
PhD	2019	---	NIT Raipur	NIT Raipur
M.Sc. (Mathematics)	2005	70.70%	Govt. Science college Raipur (C.G.).	Pt. Ravishankar Shukla University Raipur(C.G)
B.Sc. (PCM)	2003	65.50%	Govt. Science college Raipur (C.G.).	Pt. Ravishankar Shukla University Raipur(C.G)
12 th	2000	77.33%	Salam English school Raipur(C.G.).	M.P. Board Bhopal
10 th	1998	69.20%	Tilak Bharti Hr. school Gudhiyari Raipur(C.G.).	M.P. Board Bhopal

11. Teaching experience:

Designation	Institution	Period of work	Experience in years
Lecturer	MM College of Engineering & Technology, Raipur (C.G.)	July-2008 to June-2009	1 year
Assistant Professor	Rungta College of Engineering and Technology Raipur (C.G.)	July-2009 to Aug-2020	11 years
Assistant Professor	Shaheed Nandkumar Patel Govt. College Birgaon Raipur (C.G.)	Jan-2022 to till date	4 years till date

12. Participation in academic conferences/seminars/workshops:

S.No.	Courses	Under	Organized by	Duration
1.	Mentors Training Program on A Guide To Induction Program	TEQIP - III	CSVТУ, Bhai	Aug 10-14, 2018
2..	FIP (GURUDAKSHATA)	UGC	UGC – HRDC Pt.RSU Raipur (C.G.)	Aug 22 to Sept 24, 2022
3.	Refresher Course	Malaviya Mission Teacher Training Programme (MM-TTP) of UGC	Deen Dayal Upadhyaya Gorakhpur University, Gorakhpur	Dec 08-21, 2023
4.	FDP on Recent Research Advances in Sustainable Development & Capacity Building		IQAC, Govt. Bilasa Girls PG College, Bilaspur (C.G.)	Feb 01-07, 2024
5.	FDP on Significance of Indian Traditional Knowledge System for Vikshit Bharat		IQAC, Govt. E. Raghavendra Rao PG. Science College, Bilaspur (C.G.)	Feb 13-19, 2024
6.				
7.	NEP 2020 Orientation & Sensitization Programme	Malaviya Mission Teacher Training Programme (MM-TTP) of UGC	MM-TTC, Pt.RSU Raipur (C.G.)	June 19-28, 2024
8.	IP Awareness/ Training Program	National Intellectual Property Awareness Mission	Intellectual Property Office, India	May 5, 2025
9.	1 Day National Symposium on Research Methodology: Quantitative & Qualitative Approaches		Govt. Vivekanand P.G. College, Manendragarh, Lead College – Dist. M.C.B., (C.G.)	April 4, 2025
10.	7 Days National-Level Workshop on “Skill Development in the Context of NEP 2020”		Faculty of Education, Kalinga University, Naya Raipur (C.G.)	April 15-22, 2025
11.	2 Days Workshop on Latex for Technical Writing		School Of Computational And Integrative Sciences, JNU New Delhi India	April 29-30, 2025
12.	7 Days FDP on Soft Skills		IQAC, Govt. Nagarjuna P.G. College Of Science, Raipur (C.G.)	June 17-24, 2025

13. Research Papers published in Journals.

S.No	Title of Research Paper	Journal	Year of Publication	Pages
1.	Development of Interval Type-2 Fuzzy Logic Controller to simulate Automatic Voltage Regulator Behaviour in Excitation Control of a Power System	AMSE Journals: Advances in Modelling and Analysis C Vol. 67, No. 1	2012	1-22
2.	Excitation Control of a Power Plant Alternator Using Interval Type-2 Fuzzy Logic Controller	AMSE Journals: Advances in Modelling and Analysis C Vol. 73, No. 4	2018	182-188
3	Interval Type-2 Fuzzy Logic PID Excitation Control System with AVR in Power System Stability Analysis	AMSE Journals: Advances in Modelling and Analysis C Vol. 73, No. 4	2018	208-218
4	The Integrated Control strategy for Interval Type-2 Fuzzy Logic Power System Stabilizer (IT2FLPSS) and Compact Digital Fuzzy Automatic Voltage Regulator (CDF-AVR) in Electrical Power System	AMSE Journals: Advances in Modelling and Analysis C Vol. 91, No. 4	2018	186-192
5	Image Forgery Detection Forensic Tool Utilizing the Fusion of SIFT-PCA, SURF-PCA, ORB, ORB-PCA and Interval Type-2 Fuzzy Logic Methodologies.	Indian Journal Of Science and Technology Vol. 18, No. 33	2025	2690-2700
6	A Generalized Exponential Entropy Measure for Intuitionistic Fuzzy Sets and Its Application in Decision Making.	Communications in Mathematics and Applications	Communicated	

14. Research Papers presented in Conferences.

S.No	Title of Research Paper	Conference	Dates	
1.	Rainfall Prediction Using Type-2 Fuzzy Logic	2 nd Global Conference on Decarbonizing India at NIT Calicut Kerala, India	March 6-8, 2025	International
2.	Experimental Study on Hydrogen Embrittlement Effects in Aluminium 5083 Pre-Charged With Gaseous Hydrogen	2 nd Global Conference on Decarbonizing India at NIT Calicut Kerala, India	March 6-8, 2025	International
3	Performance Analysis of Non-Mechanical Hydrogen Compressor Based on LaNi _{4.7} Mn _{0.3} and La _{0.9} Ce _{0.1} Ni ₅ metal hydrides	5 th IEEE International Conference on Sustainable Energy and Future Electric Transportation (IEEE SeFet 2025) at MNIT Jaipur, Rajasthan, India	July 9-12, 2025	International

15. Patents.

S.No	Title of Patent	Design No.	Date of Issue	
1.	Hybrid Wind and Solar Power Charging Stations	6400496	31-Oct-2024	International
2.	Teaching Model of Earthquake Prone Water Tank	441449-001 in Class 19-07	18-March-2025	National

16. Book.

S.No	Title of Book	Publisher	ISBN No.	Year of Publication
1.	Fuzzy Logic Foundations, Theory and Applications	APUBS Publishing and Services (OPC) Pvt Ltd.	978-93-6303-108-1	2025

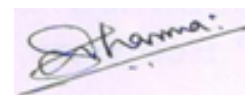
17. Key roles/ responsibilities held in the college.

S.No	Name of key role	Role	Name of institution at which the role was held	Duration of the role
1.	1 st Year Engg. Deptt.	I/C HOD	Rungta College of Engineering & Technology Raipur (C.G.)	4 Years
2.	1 st Year Diploma Engg. Deptt.	HOD	Rungta College of Engineering & Technology Raipur (C.G.)	2 Years
3.	1 st Year Deptt. (Diploma + Engg.)	HOD	Rungta College of Engineering & Technology Raipur (C.G.)	1 Year
4.	Admission B.E. 1 st Year	Incharge	Rungta College of Engineering & Technology Raipur (C.G.)	12 Years
5.	Admission BSc 1 st Year (Bio+Maths)	Incharge	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2022-23 Session 2023-24
6.	Advisory Committee	Member	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2022-23 Session 2023-24
7.	Purchase Committee	Member	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2022-23 Session 2023-24
8.	NAAC Committee	Member	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2022-23 Session 2023-24
9.	Redcross	Member	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2022-23 Session 2023-24
10.	Eco Club	Member	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2022-23 Session 2023-24
11.	Sports Committee	Member	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2022-23 Session 2023-24
12.	Science Club	Member	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2024-25 Session 2025-26
13.	Admission BSc 2 nd Year (Bio+Maths)	Convener	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2024-25
14.	Online Education Teaching Portal and Study Material Cell	Member	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2025-26

15.	Admission BSc Final Year (Bio+Maths)	Convener	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2025-26
16	College Library	Incharge	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2024-25 Session 2025-26
17	College Website	Convener	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2024-25 Session 2025-26
18	Lok Sewa Guarantee Yojna	Convener	Shaheed Nandkumar Patel Govt College Birgaon, Raipur (C.G.)	Session 2024-25 Session 2025-26

Declaration:

I hereby declare that the above mentioned details by me are true and correct, to the best of my knowledge.



Dr. Manoj Kumar Sharma