



GOVERNMENT G.N.A. P.G. COLLEGE, BHATAPARA (C.G.)
(Affiliated to Pt. Ravishankar Shukla University Raipur)

Faculty Details

Title	First Name	Last Name	Photograph
Dr.	Sumit	Pant	
Designation	Assistant Professor		
Address	Department of Mathematics, Govt. G.N.A. P.G. College, Bhatapara - 493118		
Phone Number	Office	-	
	Residence	-	
	Mobile	8954989565	
Email Id	sumit4maths@gmail.com		
Web Page			
Educational Qualification			
Degree	Institution	Year	
B.Sc.	Kumaun University	2011	
M.Sc.	Kumaun University	2013	
Ph.D.	Kumaun University	2019	
Additional Qualification			
<ul style="list-style-type: none">• CSIR-NET-JRF• GATE			
Career Profile			
<ul style="list-style-type: none">• Worked as a Guest Lecturer at M.B. Govt. P.G. College, Haldwani, Nainital, Uttarakhand, from 17 November 2017 to 29 June 2019.• Worked as an Assistant Professor in the Department of Mathematics and Statistics, Banasthali Vidyapith, Tonk, Rajasthan, from 10 July 2019 to 10 May 2023.• Currently working as an Assistant Professor in the Department of Mathematics at Govt. G.N.A. P.G. College, Bhatapara, Chhattisgarh, since 07 June 2023.			

Administrative Assignments

- Coordinator of the Website / AISHE / APAAR Committee.
- Coordinator of the Feedback Committee.
- Member of the Research Development Committee.
- Member of the NAAC Accreditation / IQAC Committee.
- Member of the National Education Policy (NEP) 2020 Committee.
- Member of the Sports Activities / Physical and Mental Health Counseling Cell.
- Member of the Guest Faculty Selection Committee.
- Member of the Student Union Committee.
- Member of the Time Table Committee.
- Member of the Internal Audit Committee.
- Member of the Cultural Committee.
- Member of the ONOS Scheme Committee.

Areas of Interest / Specialization

- Fluid Dynamics
- Hybrid & Ternary Nanofluids
- Non-linear Analysis
- Fixed Point Theory

Subjects Taught

- Real Analysis
- Complex Analysis
- Functional Analysis
- Topology
- Linear Algebra
- Abstract Algebra
- Differential Equations
- Numerical Analysis
- Calculus

Research Guidance

NA

Publications Profile

- Pant, Sumit, and Narendra Kumar Singh. "A Generalized Best Proximity Point Theorem That Characterizes Metric Completeness." *Applied Mathematics E-Notes* 26 (2026): 1-12.
- Yaseen, Moh, Nisha Joshi Bhadhani, Sawan Kumar Rawat, Sumit Pant, and Manish Pant. "Nanoparticle aggregation impact on nanofluid flow in a rotating horizontal annulus: application of particle swarm optimization and artificial neural network." *Journal of the Korean Physical Society* 87, no. 12 (2025): 1449-1473.
- Pant, Sumit, Narendra Kumar Singh, and Suraj Singh Thayat. "A necessary and sufficient condition for best proximity point in complete metric spaces with applications to analytic functions." (2025).
- Singh, Narendra Kumar, and Sumit Pant. "Generalization of Kannan results for metric interval space without space completeness and application to obtain near fixed interval ellipse." *Applied Mathematics E-Notes* 25 (2025): 15-30.
- Pant, Sumit, and Narendra Kumar Singh. "Characterization of Normed Interval Space Without Using Space Completeness." *Journal of Mathematical Studies* 17, no. 3 (2025): 310-320.
- Pant, Sumit, and Ebrahim A. Algehyne. "Convection in a ferromagnetic fluid layer influenced by changeable gravity and viscosity." *Mathematics* 10, no. 10 (2022): 1737.
- Pant, S., N. Bhagat, and B. Singh. "Combined effect of Hall Current and rotation on thermal stability of ferromagnetic fluids saturating in a porous medium under varying gravity field." *IJSEAS* 2 (2016): 237-249.
- Pant, Sumit. "Effect of suspended particles and magnetic field on thermal convection in ferromagnetic fluid with varying gravitational field in porous medium." *International Journal of Advanced Research* (2016).

Chapters in Books:

NA

Conference Organization/ Presentations (in the last five years)

- Presented a research paper titled '*A Study of Best Proximity Points without Continuity via Quasi Contraction*' at the One Day International Conference on Recent Trends in Mathematical Sciences and Applications, organized by the Department of Mathematics, Ram Lal Anand College, University of Delhi, on 22 January 2026.
- Presented a research paper titled '*A Necessary and Sufficient Condition for Best Proximity Point in Complete Metric Spaces with Application to Analytic Function*' at the Three-Day International Conference on Mathematics and Statistics in the Era of Data Science, organized by the Department of Mathematics and the Department of Statistics, Central University of Jharkhand, Ranchi, from 18 March 2025 to 20 March 2025.

Research Projects (Major Grants/Research Collaboration)

NA

Awards and Distinctions

NA

Association With Professional Bodies

- Member of Ramanujan Mathematical Society.

Other Activities

Participation in Orientation Courses/ Refresher Courses/ Workshops/ FDPS etc.

- Participated in a UGC-MMTTC sponsored Refresher Course in Mathematics, organized by the Department of Mathematics, Patna University, Patna, from 02 February 2026 to 14 February 2026.
- Participated in a Seven-Day National Faculty Development Program on *Indian Knowledge System*, organized by Govt. Lahiri P.G. College, Chirimiri, Chhattisgarh, from 05 April 2025 to 12 April 2025.”
- Completed the **Faculty Induction Programme (Guru Dakshata)** under the Malaviya Mission Teacher Training Programme (MM-TTP) of the University Grants Commission (UGC), organized by the Malaviya Mission Teacher Training Centre

(MMTTC), Indira Gandhi National Tribal University, Amarkantak, Madhya Pradesh, from **02 December 2024 to 31 December 2024**.

Seminars/ Conferences Attended:

- Participated in the **Seven-Day National Faculty Development Program on “Indian Knowledge System”**, jointly organized by the Department of Chemistry and Department of Geography, Govt. Lahiri P.G. College, Chirimiri, District MCB, Chhattisgarh, from 05 April 2025 to 12 April 2025.

Programmes Organized and Conducted:

- Organized and conducted a **Two-Day Workshop on “Mathematics for a Better Tomorrow”** under the aegis of the Department of Mathematics, Govt. G.N.A. P.G. College, Bhatapara, Chhattisgarh, sponsored by the Chhattisgarh Council of Science & Technology (CCOST), Government of Chhattisgarh, on 24–25 February 2025 at Govt. G.N.A. P.G. College, Bhatapara, Chhattisgarh.

