



**BINOD BIHARI MAHTO KOYALANCHAL UNIVERSITY,
DHANBAD, JHARKHAND – 828130.**

FACULTY PROFILE

Department: **Mathematics**

Faculty: **Science**



ABOUT THE FACULTY

1. Name: **DR. SHIV PRASAD**
2. Designation: **Asstt. Professor (Mathematics)**
3. Officiating Post:
 - **Head (I/C),**
University Department of Computer Science,
BBMK University, Dhanbad.
(From: 17.10.2022 to till date)
 - **Finance Officer (I/C),**
BBMK University, Dhanbad.
(From: 24.11.2023 to 23.11.2025)
 - **Head (I/C),**
University Department of Mathematics,
BBMK University, Dhanbad.
(From: 17.02.2026 to till date)
4. Address for correspondence: **Department of Mathematics,**
BBMK University, Dhanbad.
Telephone: +91 9334048669
Email: shpd1512@gmail.com & shiv.prasad@bbmku.ac.in
5. Teaching experience: P. G.: **08 years** U. G.: **28 years**
College/ University: **BSK College, Maithon & KB College, Bermo (Bokaro) /**
University Department, BBMK University, Dhanbad.
6. Academic record:

Degree	Div. / Class	Subject(s)	Year of Passing	% of marks	College / University
Graduate	1 st Class	Mathematics (Hons.)	1985	66.3 %	Magadh Univ. Bodh Gaya.
Post-graduate	1 st Class	Mathematics	1988	75.1 %	Magadh Univ. Bodh Gaya.
MPhil/MTech		Applied Mathematics	2000		ISM, Dhanbad.
Ph.D.		Applied Mathematics	2003		ISM, Dhanbad.

7. Programs & Courses:

Sl. No.	Particulars	Institute/ University	Period	
			From	To
1.	Orientation	A.S.C. University of Burdwan (WB)	22.10.2002	18.11.2002
2.	Refresher - I	A.S.C. University of Burdwan (WB)	16.02.2010	08.03.2010
3.	Refresher - II	A.S.C. Ranchi University, Ranchi	05.09.2011	25.09.2011

8. Title of the Ph.D. Thesis: **Generation and Propagation of Elastic Waves in Layered Media.**
9. Specialization at the Master's level: **Topology and Functional Analysis.**
10. Specialization at the Doctorate level: **Solid Mechanics.**
11. Research experience: **28 years,**
Place of work: **ISM, Dhanbad/ BBMK University Dhanbad.**
12. Number of Ph.D. Students already received degrees under supervision: **01 (One)**
Number of Ph.D. students currently enrolled under supervision: **03 (Two)**
13. Certification(s):
- (a) *Certificate of Appreciation* presented for acting as the College Co-ordinator, RUSA & NAAC, K. B. College, Bermo (Bokaro) on 2nd December 2017.
- (b) *Certificate of Appreciation* presented for designing the Logo of BBMK University, Dhanbad on 22nd July 2021.
14. Research Profile(s): SCOPUS Id: [58856850300](https://orcid.org/0000-0002-4022-1022)
ORCID: [0000-0002-4022-1022](https://orcid.org/0000-0002-4022-1022)

Publication(s):

- Ranking Fuzzy Numbers with Unified Integral Value and Comparative Reviews. *Journal of Scientific Research*, 14(1), 131–151. <https://doi.org/10.3329/jsr.v14i1.53735>
- Ranking Fuzzy Numbers based on Angles of the Reference Functions and its Applications to Multi-criteria Decision-making Problems. *Bull. Cal. Math. Soc.*, 114, (4) 489–508
- Ranking Fuzzy Numbers with Mean Value of Points and Comparative Reviews. *Journal of Scientific Research*, 14(3), 755–771. <https://doi.org/10.3329/jsr.v14i3.58133>
- Ordering Fuzzy Numbers with Weighted Mean Values and Their Application to Multi-Criteria Decision-Making Problem. *Journal of Scientific Research*, 15(2), 313–333. <https://doi.org/10.3329/jsr.v15i2.61319>
- A unified distance approach for ranking fuzzy numbers and its comparative reviews. *Journal of the Indonesian Mathematical Society*, 347–371. <https://doi.org/10.22342/jims.29.3.1337.347-371>
- A New Approach of Centroid based Ranking Fuzzy Numbers and its Comparative Reviews. *Communications in Mathematics and Applications*, 14(5), 1551–1563. <https://doi.org/10.26713/cma.v14i5.2286>

7. Solving Fully Fuzzy Linear Programming Problems with Modified Triangular Fuzzy Numbers based on a Ranking Function. *Bull. Cal.Math. Scoc.*, 115 (6) 757-780.
8. Fuzzy Game with Qualitative Payoffs in Linguistic Terms. *Journal of Scientific Research*, 17(3), 767-775. <https://dx.doi.org/10.3329/jsr.v17i3.78746>
9. SOLVING FUZZY SEQUENCING PROBLEMS BASED ON THE GEOMETRIC MEAN OF THE HORIZONTAL POINTS ON THE REFERENCE FUNCTIONS. *ICTACT JOURNAL ON SOFT COMPUTING*, JULY 2026, VOLUME: 17, ISSUE: 02, ISSN: 2229-6956 (ONLINE), DOI: [10.21917/ijsc.2026.0585](https://doi.org/10.21917/ijsc.2026.0585)
10. A Pentagonal Fuzzy Ranking Approach Using Nagel Point for Uncertain Scheduling Problems. *Transactions on Fuzzy Sets and Systems (TFSS)*, Online ISSN: 2821-0131, Vol.6, No.1, (2027), 208-222, DOI: <https://doi.org/10.71602/tfss.2027.1216738>
11. The propagation of plane shear waves in a layered medium including a fluid-saturated porous stratum. *Advances in Mathematical Statistical and Computational Methods in Science and Technology*. Vol.1(1) 51-60. ISBN - 81-7556-598-5
12. On the displacement produced in an inhomogeneous anisotropic elastic half-space by an impulsive torsional load. *Advances in Mathematical Statistical and Computational Methods in Science and Technology*. Vol.1 55-60. Pragati Prakashan

Book Chapter(s):

1. Ordering Fuzzy Numbers based on Angles of the Membership Functions and Comparative Reviews- A Mathematical Approach. *Holistic Research Perspectives*, Vol.2, 10-24

Conferences (Participation & Paper Presentation):

1. International e-Conference on Number Theory and Differential Equations (ICND), (2021), Department of Mathematics, School of Physical Sciences, Central University of Karnataka. India. “Ranking Trapezoidal Fuzzy Numbers based on the Angles of the Reference Functions”
2. International Conference on Contemporary Researchers in Engineering, Science, Management & Arts (ICRESMA), (2022), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. “Ranking fuzzy numbers based on Angles of Reference Functions- A Mathematical Approach”
3. International Conference on Research Innovations & Challenges (ICRIC), (2023), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. “Solving Fully Fuzzy Linear Programming Problems based on a Ranking Function”.
4. International Conference on Research Innovations & Challenges (ICRIC), (2023), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. “Ordering Fuzzy Numbers using Radius of Gyration of Fuzziness Regions”.
5. International Conference on Research Innovations & Challenges (ICRIC), (2025), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. “Signed-Distance Approach for Ranking Pentagonal Fuzzy Numbers”.
6. **Certificate of Merit:** International Conference on Research Innovations & Challenges (ICRIC), (2025), National Foundation for Entrepreneurship Development (NFED), Coimbatore, Tamil Nadu, India. “Signed-Distance Approach for Ranking Pentagonal Fuzzy Numbers”.

University Assignments:

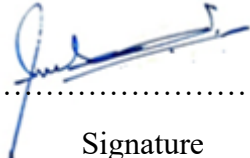
Sl. No.	Assignment	Notification No.	Period	
			From	To
1.	Member, University Seniority & Pay-fixation Committee	352/ 18.08.2018 1863/ 06.12.2023	18.08.2018	Till Date
2.	Head (I/C), University Dept. of Computer Science	1463/14.10.2022	17.10.2022	Till Date
3.	Finance Officer (I/C)	3613/GS 21.11.2023 & 1793/23.11.2023	24.11.2023	23.11.2025
4.	Head (I/C), Univ. Dept. of Mathematics	322/ 14.02.2026	17.02.2026	Till Date
5.	Member, Purchase Committee, BBMKU.	1377/ 23.07.2026	23.07.2026	Till Date
6.	Member/Chairperson, Departmental Research Council (DRC) of the Univ. Dept. of Mathematics	1046/30.07.2022 1808/29.11.2023 438/ 15.03.2024 739/ 20.04.2026	30.07.2022	Till Date
7.	Member/Chairperson, Board of Studies (BOS) of the Univ. Dept. of Mathematics	762/ 28.08.2020 807/ 02.08.2020 1271/03.09.2022 1229/14.07.2023 732/ 18.04.2026	28.08.2020	Till Date
8.	Member/Chairperson, Board of Studies (BOS) of the Univ. Dept. of Computer Science	849/ 20.05.024 978/ 19.05.2026	20.052024	Till Date
9.	Member, Board of Studies (BOS) of the Statistics (UG)	1462/25.08.2023	25.08.2023	Till Date

DECLARATION

I hereby declare that the particulars furnished by me are correct. I promise to abide by the rules and regulations of the University. I authorize the University to verify the information provided and use it for official purposes.

Date:**02.08.2026**.....

Place:**Dhanbad**.....

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Signature