FACULTY DETAIL

Name	Ashish Bamta
Designation	Assistant Professor
Faculty	Physical Sciences
Subject	Mathematics
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EDUCATIONAL QUALIFICATIONS

Degree	Institution	Year
B.Sc.	C.O.E. Govt. Degree College Sanjauli, Shimla H.P.	2013-2016
M.Sc. (Mathematics)	Himachal Pradesh University, Shimla.	2016-2018
M. Phill. (Mathematics)	Himachal Pradesh University, Shimla.	2021
GATE	Mathematical Sciences	2021
UGC-NET JRF	Mathematical Sciences	2022

CAREER PROFILE

Organization/ Institution	Designation	Duration
DIPS Academy	Faculty	17/07/2019 – 31/04/2020
Govt. Degree College Nagrota Surian, Dist. Kangra H.P.	Assistant Professor	08/07/2023 to date

ADMINISTRATIVE ASSIGNMENTS (IN PRESENT INSTITUTION)

- Website Maintenance Committee (Convener)
- Smart Class Room and Computer Lab In-charge (Convener)
- Member: Admission Committee (Sciences)
- Member: Prospectus Committee (Member)
- Member: Career Guidance & Placement Cell
- Member: Purchase Committee
- Member: IQAC (Member)
- Member: UGC Affairs/ NAAC Committee

ORIENTATION PROGRAM/REFRESHER COURSE/FACULTY DEVELOPMENT PROGRAM/WORKSHOPS

- Participated in one week Orientation Program "**Induction Training Program**" organized by DIET, Dharamshala from 31st July to 5th August 2023.
- Participated in One Day Workshop, organized by Wazir ram Singh Government College Dehri, Kangra (H.P.) entitled "**Empowering Educators: Building Capacities to Combat Drug and Substance Abuse**" on 12th June 2024.
- Participated in Two Days State Level Workshop on "**State Level Workshop on Virtual Labs**" from 14th June 2024 to15th June 2024 organized by Government Degree College, Nagrota Bagwan in Collaboration with IIT-Delhi.
- Participated in One Day Workshop on E-FILLING OF ITR-2 (Excel Utility) held on 21 September 2024, organized by Department of Commerce, Govt. College, Jawali, Distt. Kangra.

CONFERENCES/SEMINARS ATTENDED AND PRESENTATION

- Participated in "**National Conference on Novel Progressions in Science and Technology-2022**" held at **St. Bede's College** Shimla on 28th and 29th November, 2022.
- Presented a paper in "**International Conference on Recent Advances in Mathematical Sciences (ICRAMS-2023)**" entitled "*On a Class a of Equidistant Lee Distance Codes Over Finite Rings*" organized by **Himachal Pradesh University** in collaboration with **Himachal Mathematical Society** (HIMS) on 29th and 30th March, 2023.
- Presented a paper in "*International Conference on Recent Trends in Mathematical Sciences (ICRTMS-2022)*" entitled "**On Lee Metric Orthogonal Codes Over Finite Rings**" organized by **Himachal Ganita Parishad** on 27th and 28th December, 2022.
- Participated in "**Pre-Conference Outreach Program**" on topic "*Introduction to Quantum ICT*" on the occasion of **National Mathematics Day** organized by Baba Farid College, Bhatinda, India on 22nd December 2022.
- Attended the "**The 2nd International Coding Theory Seminar**" on 15th March 2024 organized by India.
- Participated in the ICSSR sponsored "**International Conference on Indian Knowledge Systems: Thought, Theory and Tradition for Human Resource Excellence**" organized by the "Department of Humanities and Social Sciences, National Institute of Technology Rourkela, Odisha" from 08th March 2024 to 10th March 2024.
- Presented a research paper entitled "**On a Class of Self-orthogonal and MDS Codes over Finite Rings**" in the "*International Conference on Advances in Mathematical Sciences, Scientific Computing and its Application*" organized by "Department of Mathematics, Centre of Excellence, Govt. College Sanjauli, Shimla" funded by DBT-Govt. of India from 22nd and 23rd March, 2024.
- Participated in "**One Day Workshop on E-Filling of ITR-2 (EXCEL UTILITY)**" held on 21/09/2024 organized by Department of Commerce, Govt. Degree College, Jawali, Distt. Kangra, (H.P.).
- Participated in "*One Day E-Workshop on AI-Tools for Research*" organized by "Himachal Pradesh University, Department of Evening Studies, Shimla, (H.P.) on 27/11/2024.
- Presented a research paper entitled "**Construction of reversible almost-equidistant codes over finite rings**" at the "*International Conference on Pure and Applied Mathematical Sciences (ICPAMS)*" held at Govt. College Kullu , H.P. India during 3rd and 4th December, 2024.
- Presented a research paper entitled "**Some properties of submodule quotient over finite ring Z_m**" in the international conference "*2nd International Conference on Recent Trends in Mathematics (ICRTM-2025)*" organized by Department of Mathematics, Hansraj College, University of Delhi from 07-08 February 2025 in Delhi, India.
- Presented a research paper entitled "**Submodule quotient over finite ring $\mathbb{Z}_m$**" in "National seminar on recent advances in mathematical sciences" organized by Department of Mathematics and Statistics, Himachal Pradesh University, Shimla held on 21st March, 2025.
- Participated in "**One Day National Workshop on Mathematical Software**" organized by "*Department of Mathematics and Statistics, Himachal Pradesh University*", Shimla held on 22nd March, 2025.

- Presented a paper entitled "**Projection of submodule quotient over finite ring $\mathbb{Z}_m$**" in "*3rd International Conference on Recent Trends in Mathematical Sciences (ICRTMS-2025)* " organized by "Himachal Ganita Parishad" held on 10th -11th May, 2025.

AREA OF INTEREST/ SPECIALIZATION

Coding Theory, Number Theory, Metric Spaces, Topology

PUBLICATION PROFILE/ CHAPTERS IN BOOKS/ PROCEEDINGS

Garga S., **Bamta A.,** and Kumar A., **"**Characterization of some specific lee distance codes over finite rings", *Discrete Mathematics Algorithm and Applications* **(2024).**
https://doi.org/10.1142/S1793830924500241