

Mr. Nazir Ahmad Ganaie

Sr. Assistant Professor of Physics

Govt. College of Education, IASE, Srinagar
Department of Higher Education, Govt. of J&K

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Physics Educator
Research Scholar

Appointments

J&K Higher Education Department

16-08-2016

Govt. Order No.: 267-HE of 2016, dated 16-08-2016.

J&K School Education Department

21-04-2010

Govt. Order No.: 364-EDU of 2010, dated 21-04-2010.

Current Research Profile

Ph.D. Research Scholar

Department of Physics, National Institute of Technology Srinagar.

Since February 12, 2025

Research Interests

Classical & Quantum Black Holes
Generalized Entropies
Quantum Gravity
AdS/CMT Theory

Qualifications

- **Ph.D. in Physics**, pursuing in the Department of Physics, NIT Srinagar, since February 2025.
- **State Eligibility Test**, University of Jammu, March 2008.
- **M.Sc. Physics**, University of Kashmir, Srinagar, 2005–2007.
- **B.Sc. (Physics, Chemistry, Mathematics)**, SP College Srinagar, University of Kashmir, Srinagar, 2002–2004.

Research Publications

1. Nazir A. Ganaie and M. A. Shah, "Graphene plasmon damping from BTZ quasinormal modes in AdS/CFT," *EPL (Europhysics Letters)*, May 2026.
2. Nazir A. Ganaie and M. A. Shah, "Holographic graphene response from generalized-entropy Smarr residual," *The European Physical Journal C*, Aug 2026.

Academic Profile and Outreach

- Referee/Reviewer for journals [Classical and Quantum Gravity](#) and [European Physical Journal Plus](#).
- Paper setter and evaluator for graduate course, B.Sc. with Physics.
- Educational YouTube channel: [Mastering Physics \(Nazir\)](#).
- Academic Facebook page: [Mastering Physics](#).

Teaching Experience

Total teaching experience: 17 years and counting.

June 2025–Present	Govt. College of Education, IASE, M. A. Road, Srinagar.
May 2022–June 2025	Govt. Degree College Bijbehara, Anantnag.
May 2020–June 2022	Govt. Degree College Sogam, Kupwara.
Aug. 2016–May 2020	Govt. Degree College Pulwama Boys.
Apr. 2015–Aug. 2016	Govt. Boys Higher Secondary School Pulwama.
May 2010–Apr. 2015	Govt. Higher Secondary School Rajpora, Pulwama.
Sept. 2008–Mar. 2009	Islamic University of Science and Technology, Awantipore.

Gave coaching to graduate students for M.Sc. Physics Entrance Examination.

Institutional Responsibilities and Academic Leadership

Govt. College of Education, IASE, Srinagar

- Convenor, MOOCS/NPTEL, GCOE IASE Srinagar, 2025–present.
- Member, Internal Quality Assurance Cell, GCOE IASE Srinagar, 2025–present.
- Member, Newsletter Committee, GCOE IASE Srinagar, 2025–present.
- Coordinator, Development of Laboratories for ITEP, B.Sc. plus B.Ed., GCOE IASE Srinagar, 2025–present.

Govt. Degree College Bijbehara

- Convenor, Purchase Committee and GEM Buyer, 2022–2023.
- Convenor, Compiler, and Designer, Newsletter Committee, 2024–2025.
- Convenor, Discipline Committee, 2024–2025.
- Convenor, Scholarship Committee, 2022–2023.
- Convenor, UGC Committee, 2022–2025.
- Co-Convenor, Sports Committee, 2024–2025.
- Co-Convenor, ICT Committee, 2022–2024.
- Dean Students Welfare Boys, 2023–2025.
- Member, IQAC Committee, Criterion No. 4, Infrastructure and Learning Resources, 2023–2025.
- Member, Admission Committee, 2023–2024.

Govt. Degree College Sogam

- Member, IQAC Committee, Criterion No. 6, Governance, Leadership and Management, 2020–2022.
- Member, Newsletter Committee, 2020–2022.
- Associated with NAAC-accredited B+ institutional cycle, accredited in 2023.

Govt. Degree College Pulwama

- Convenor, Power Maintenance Committee, 2017–2020.
- Convenor, Health-Aid Committee, 2018–2020.
- Member, Admission Committee, 2018–2020.
- Member, Examination Committee, 2018–2020.

Faculty Development Programs

- Participated in the two-day workshop on “Introduction to Embedded Systems and Robotics,” conducted on 21st–22nd November 2023 at Islamic University of Science and Technology, Awantipore, organized by IIT Mumbai.
- Attended and presented a paper at the two-day “National Conference on Education,” organized by Govt. Degree College Bijbehara on 15th–16th March 2023.
- Attended a two-week Refresher Course in “Research Methodology” from 18th October 2022 to 2nd November 2022 at Govt. College for Women, M. A. Road, Srinagar, organized by UGC-HRDC, University of Kashmir.
- Attended a three-week Refresher Course in “Educational Technology” from 1st March 2018 to 21st March 2018 at UGC-HRDC, University of Mysore.
- Attended a four-week Orientation Course from 1st December 2016 to 30th December 2016 at UGC-HRDC, University of Jammu.
- Attended a three-week Orientation Course from 1st October 2016 to 24th October 2016 at GCOE IASE, M. A. Road, Srinagar.

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