

Ishfaq Ahmad **GANAI**E



PROFILE

Physics and Mathematics Teacher with a strong academic background and interdisciplinary expertise in Physics, Mathematics, and Chemistry. Experienced in teaching complex scientific concepts using clear, logical, and application-oriented methods that promote deep conceptual understanding. Adept at linking mathematical formulations with physical interpretations and chemical principles to build strong analytical and problem-solving skills in students. Passionate about student-centred learning, structured curriculum delivery, and fostering scientific curiosity across secondary and higher-secondary levels.

CONTACT DETAILS

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SKILLS

- Notes preparation, DPP preparation, MCQs Preparation
- MS Word, Excel, PowerPoint
- MATLAB, Python
- SolidWorks, COMSOL Multiphysics, ANSYS Workbench
- LaTeX, Canva

EXPERIENCE

TEACHER at *Kashmir Harvard Educational Institute (Srinagar)*. **2021–2023**
◊ Physics and Maths teacher for 9th to 12th classes, DPP preparation, and notes preparation.

CO-FOUNDER, MANAGER & TEACHER at *Syed Murad Coaching Academy (Khimber)*. **2020–present**
◊ Teaching physics, maths and chemistry for 11th and 12th classes, and physics and maths for 9th and 10th classes.

INDEPENDENT TUTOR for *more than 8 years*. **2017.02–present**
◊ Teaching physics, maths, & physical chemistry for classes 9th to 12th. Notes, DPP, and MCQs preparation.

RESEARCH ASSISTANT at *Islamic University of Science and Technology (Awantipora)*.
◊ Thermal insulation of houses in the Himalayan regions: **2023–2025**
A thermoeconomic analysis.

ONLINE EDUCATIONAL CONTENT CREATOR **2023.04–present**
◊ Creating physics, maths, and mechanical engineering videos for YouTube and other platforms.

RESEARCHER at *Islamic University of Science and Technology (Awantipora) and National Institute of Technology (Srinagar)*. **2023–present**

EDUCATION

DOCTORATE OF PHILOSOPHY. Hydrogen energy. *National Institute of Technology, Srinagar*. **from 2025**

MASTER IN TECHNOLOGY. Thermal engineering. *Jain (Deemed-to-be) University*. **2017–2019**

BACHELOR IN ENGINEERING. Mechanical engineering. *University of Kashmir*. **2011–2016**

ADDITIONAL EDUCATION

HIGHER SECONDARY SCHOOLING. *Model Higher Secondary School, Shalimar*. **2010**

MATRICULATION. *Kashmir Harvard Educational Institute, Srinagar*. **2008**

HOBBIES

Reading: Reading science, maths, and different kinds of literature.
Writing: Authoring books, preparing study material, notes, DPP, and MCQs, and writing educational blogs.
Learning: Learning different concepts of science not only from my own field, but also from other fields of science.