

# Ishfaq Ahmad **GANAIE**



## 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)*. **2023–2025**

- ◊ 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.