

## **Mr. Ashish Ashok Koli**

**Designation:** Assistant Professor

**Department:** Physics

### **Contact Information**

- **Email:** aakoli@vpmthane.org
  - **LinkedIn / ResearchGate / Google Scholar:** [linkedin.com/in/ashish-koli-5b011777](https://www.linkedin.com/in/ashish-koli-5b011777)
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### **Educational Background**

- Ph.D., signature of gravitational waves, Pacific University, pursuing.
  - M.Sc., Physics: Astronomy and Space Sciences, University of Mumbai, 2012
  - NET: Rank 218, 2012
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### **Areas of Expertise / Research Interests**

- Multi-wavelength studies, Gravitational waves, GRB, Astrophysics, Space Science.
  - Machine learning, Automation.
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### **Teaching Interests**

- Classical mechanics, Optical Physics, Quantum mechanics, Astrophysics.
  - Programming languages, C++, Python.
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### **Professional Experience**

- Assistant professor, B.N. Bandodkar College of Science (Autonomous), Thane (2024 onwards)
- Assistant professor, A. P. Shah Institute of Technology (2021-2024)
- Assistant professor, B.N. Bandodkar College of Science, Thane (2013-2021)
- Assistant professor, KET's V. G. Vaze College (2012-2023)
- NSS PO (2024)

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## **Publications & Research**

- Raghav A, et.al., 2012, “Unexpected enhancement in secondary cosmic ray flux during the total lunar eclipse of December 10, 2011”, arXiv:1212.4240.
- Raghav A, et.al., 2013, “Confirmation of secondary cosmic ray flux enhancement during the total lunar eclipse of 10 December 2011”, JGR, <https://doi.org/10.1002/2013JA019007>.
- Yadav S, et. Al., 2018, “An Implementation of I2C using embedded C in Atmel IC for Lux meter”, Journal of Engineering Practices and Futuristic Technologies, Vol 1, Issue 1, ISSN: 2581-6594.
- Mandlekar B, Koli A, Meshram S, 2018, “Acoustic Properties of Green Coconut (Cocos nucifera L.) Water and White Meat Coconut Water For 2mhz Ultrasonic Frequency at Temperatures From 30 °c to 80 °c”, International Conference “Green Earth: A panoramic view”.