

# ABHITOSH ANAND

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## PROFESSIONAL SUMMARY

As a Physics enthusiast with five years of experience, I specialize in making complex physics concepts accessible and engaging for students. My teaching methodology has evolved significantly, enhanced by my microteaching training during my Bachelor of Education and a five-month JCERT internship at government schools. The research experience gained through various projects during my B.Sc. and M.Sc. programs has been instrumental in developing effective and comprehensive lesson plans for my students.

## PROFESSIONAL EXPERIENCE & INTERNSHIPS

### Teaching Intern

Nov 2023 - Present

#### Middle School Deogarh, Jamshedpur (JCERT Government Affiliated)

- Developed and implemented 50 comprehensive lesson plans with dedicated teaching-learning materials
- Simplified complex Physics concepts through engaging teaching methods
- Integrated microteaching skills into daily lesson delivery
- Conducted regular student assessments and provided constructive feedback

### Micro-teaching Workshop

Oct 2023 - Nov 2023

#### Jamshedpur Co-Operative College, Jamshedpur, Jharkhand

- Took part in intense teaching practice sessions where I worked on core skills like asking good questions and managing classroom time
- Conducted peer teaching sessions to refine instructional strategies and lesson delivery
- Engaged in collaborative feedback exchanges to adapt teaching methods for diverse learning styles

### Private Physics Tutor

Aug 2018 - Present

- Mentored students from grades 6-12 in Physics fundamentals
- Created personalized learning strategies and resources
- Maintained parent communication and fostered effective study habits

### Physics Internship

17 Aug 2022 - 26 Sep 2022

#### National Metallurgical Laboratory, Jamshedpur

Researched sustainable hydrogen production via water splitting under Dr. Animesh Jana. Developed electrocatalysts for water electrolysis and investigated novel materials to improve hydrogen evolution reaction efficiency.

## PROJECTS

### Generation and Application of Non Thermal Plasma

Research project conducted during M.Sc Physics focusing on cold plasma generation, characterization, and applications across various fields.

### Renewable Energy and Energy Harvesting

Research project during B.Sc Physics examining various renewable energy sources and energy harvesting techniques.

## EDUCATION

### Bachelor of Education

Jamshedpur Co-operative College, Jamshedpur, Jharkhand  
Expected Dec. 2024

### Master of Science in Physics

Jamshedpur Co-operative College, Jamshedpur, Jharkhand  
Completed Oct. 2022

### Bachelor of Arts in English Language and Literature

Karim City College, Jamshedpur, Jharkhand  
Completed Nov. 2020

## KEY SKILLS

- Curriculum Development
- Classroom Management
- Student-Centered Lesson Planning
- Constructive Feedback
- Effective Communication
- Technology Integration in Education
- Collaboration with Faculty and Parents