

Faculty Profile

J. Surjya Narayana Achary, Lecturer in Physics

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Teaching Experience: Lecurer in Physics:-22yrs at Ganjam College Ganjam

Present Address:

At/Po. Borigaon,Nimakhandi.Ganjam,Odisha.

Gender :Male.

Academic : M. Sc(Physics),Ph. D,LL.B,PGDPM..

Research activities: Experimental Physics.

Subject : Physics.

Specialisation :

Solid State Physics.

Participate in Academic Training:

CHSE Orientation Programme from 27.04.2004-01.02.2004.

Seminar /Conference /Workshop:

National Seminar -3, National conference -1, International conference -1, Workshop-1,FDP-2.

Extra Curricular Activities :

Proctorial,Admission, Validation ,Attendance,Discipline, etc.

Key position and Responsibilities:

Contributing NAAC report preparation.

Plan and present suitable learning experiences for all students.

- Develop course materials and teaching translational motion, thermodynamics, rotational motion and fluids.
- Documenting tools used for physics concepts demonstrations
- Arranging seminars with experts in the field, for enhancing student's interests in physics
- Grading and administering classroom tests and assignments in the Physics class. –
- Maintain and manage apt records and follow needed methods and practices. Participate in meetings and perform on staff committees as needed.
- Monitor students' laboratory work.
- Conducting course assessment tests.

- Designing curricular and non-curricular tests
- Arranging practical work sessions at laboratory.
- Guiding students on the procedures of performing specific experiments.
- Demonstrated and designed models relating to physical phenomenon
- Using available teaching aids such as charts, PowerPoint presentations, etc.
- Conducting quarterly review meetings with staff and parents.
- Maintaining attendance record
- Assigning projects to students for the term.

Name of Ph.D Guide :

Dr.Sukant Kumar Tripathy

Professor,

Department of Physics, Berhampur University, Odisha.

List of Publications :

1. "Realization of AND and OR Optical Logic Gates using 2D Photonic Crystal Structure". (International Journal of Information Research and Review (IJIRR), Vol. 2, Issue, 05, pp. 701-710, May, 2015.).
2. "Optimization of reflectance in Silicon Based Ternary grating SAG Structure using Plane Wave Expansion". (Journal of Telecommunication, Switching and Network (STM), Volume- 1, Issue- 2. JoTSSN (2014) 1-7 © STM Journals 2014.)
3. "Nonlinear rectangular photonic crystal fiber (PCF) for optical communication exclusively Supercontinuum generation". (journal-Laser, Optics and Photonics. Volume-2, Issue-1. May-2015.)
4. "An FDTD approach on Optical Waveguide for Optical DEMUX at three Optical Communication windows". "Journal ' OPTIK' "Elseier.SwZ. published, Sept.2017.
5. "Optimization of Diffraction Efficiency and polarization Dependence loss in Photopolymer Grating for use in Multichip Module". [Journal of Modern Physics, vol. 3. Sept- 2012],
6. "Grade-2 Teflon (AF1601) PCF for optical-communication using 2D FDTD technique: a simplest design"-Journal of Modern Optics,
7. Novel All Optic Logic Gates using 2D Photonic Crystal Structure-Journal of Material Science and Engineering. ISSN: 2169-0022 JME, an open access Journal, Volume 4 • Issue 3 • 1000178.2017.