

**NEERAJ SHARMA**  
**ASSISTANT PROFESSOR**  
**DEPARTMENT OF PHYSICS**  
**N.A.S. COLLEGE, MEERUT**

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**Mob. – 8756438100**

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### **SUMMARY:**

Analytical educator experienced in university environments. Knowledgeable about rigours of balancing research with classroom and administrative responsibilities. Expert in Electronics and Photonics dedicated to expanding collective knowledge base through new, fresh and interesting studies. Published in multiple journals and sought-after speaker at field conferences.

### **EXPERIENCE:**

**ASSISTANT PROFESSOR:-**

D.A.V. DEGREE COLLEGE, LUCKNOW FROM (08-02-2008 TO 13-09-2021)

N.A.S. COLLEGE, MEERUT FROM (14-09-2021 TO TILL DATE)

- Assisted in planning and development of teaching materials, workbooks and class projects.
- Delivered engaging lectures, seminars and tutorials, increasing class productivity.

### **EDUCATION**

PhD (ongoing)

M.Tech (EE) - 2003 – IIT KANPUR

M.Sc. PHYSICS – 2000, N.A.S. College, Meerut (C.C.S. UNIVERSITY, MEERUT)

### **NATIONAL LEVEL EXAMS**

CSIR UGC-NET – DECEMBER 2000, JULY 2001, JUNE 2002

GATE- 97.71 PERCENTILE (AIR-37)

JEST – 96.16 PERCENTILE

### **PROFESSIONAL AFFILIATION**

Life time member of Indian science Congress.

Member of SPIE.

### **ORIENTATION AND REFRESHER COURSES**

Orientation Course: ASC, University of Lucknow, September 2011

Refresher Course: ASC, University of Lucknow, Feb 2014

Refresher Course: Indian Academy of Science Bengaluru, August 2017

Refresher Course (Online Mode): Teaching Learning Centre, Ramanujam College, New Delhi

## **RESEARCH PAPER**

- (1) Dynamic Wavelength Conversion in Photonic Crystal Slab Waveguide, Neeraj Sharma, Yogita Kalra, R.K. Sinha: International Research Journal of Natural and applied Sciences. December-2017
- (2) The Role of Literature Review within research, Neeraj Sharma. Aayushi international interdisciplinary research journal. January 2018
- (3) Tunable Fiber Bragg Grating based Optical packet switch, Neeraj Sharma, International journal of Management, IT & Engineering, Vol 9, issue 5, May 2019
- (4) Noise reduction in Coloured Images using and Butterworth filter, Neeraj Sharma, International Journal of Advanced Engineering Science and technological Research, Vol 6 Issue-1 jan-mar-2020
- (5) A Protocol Design for wireless Body Area Networks (WBAN), Neeraj Sharma, International Journal of Advanced Engineering Science and technological Research, vol 6, Issue-3 (July-September 2020)

## **ADDITIONAL INFORMATION**

- National Seminar on Recent Advances in Physics (NSRAP-2015) on 16th Feb 2015 organized by Department of Physics, Delhi Technological University, Delhi.
- 13th international Conference on Fiber Optics and PHOTONICS on Dec 5-8,2016 at IIT Kanpur.
- Short Term Course on Laser Processing for manufacturing: Technology & Applications at IIT Delhi during sep.11-13, 2015.
- National Seminar on Value based innovative research methods in Physical education, social sciences and Humanities in Indian perspectives.
- International Short term course on synthesis, characterization & applications on Nano Materials (ISTC-SCAN) during 06-12 march 2018.
- one week FDP on Development and management of MOOC's and online Courses using LMS Moodle.
- One Week FDP on Development of Teacher's e-kit and MOOCs in four Quadrant format of e-Content during 12-20 September 2020.
- One week FDP on Developing Multimedia enriched powerful Presentations during 11-16 August 2020
- Short term course on 'Optoelectronics and Nanophononics' at IIT Guwahati during Nov 06-07 & 09-12, 2020.
- Short term course on Photonics and Photovoltaics: devices, circuits and Metrology at IIT Guwahati during Dec 11-24, 2020.
- PPON-2020 Course cum workshop at IIIT, Allahabad during May 29-31,2020.
- Participated in National Seminar on "Changing Paradigm of Higher education in India" on Oct 10, 2018.
- Organised various online Lecture Series at DAV College, Lucknow.
- Hands on Training on NanoDCAL Software

- Participated in Synergistic Training program Utilizing the Scientific and Technological Infrastructure (STUTI) at Aligarh Muslim University (AMU) and won first Prize

**SOFT SKILLS:**

COMSOL MULTIPHYSICS

MATLAB

**Declaration**

I certify that all the information above is correct from best of my knowledge and belief.

NEERAJ SHARMA