

## C.V. of Prof. P.S.Gupta

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3. Email: psgupta2ism@yahoo.co.in
- 4.DATE OF BIRTH: August 22, 1950.

### **5. Educational Qualification:**

**1972:** M.Sc. in Physics from I.I.T., Kharagpur– 1<sup>st</sup> Class – 71.5% marks- **Rank-3<sup>rd</sup>**.

**1982 :** PhD in Physics from I.I.T., Kharagpur.

### **6.Details of employment:**

- |   |                              |
|---|------------------------------|
| Professor, Dept. of Applied Physics,<br>Indian School of Mines, Dhanbad.  | Since Sept.,1998 – till date |
| Asst. Prof., Dept. of Applied Physics,<br>Indian School of Mines, Dhanbad | From May,1987-- Aug.,1998.   |
| Lecturer in Physics,Govt. of Orissa                                       | From Sept.,1973 –April,1987. |

7. **Present salary** : Rs.21,900/- (Basic pay)

### **8. Administrative experience: (at I.S.M)**

1. H.O.D. from Feb,2002 to Jan,2005.
2. Dean(Students Welfare) since 1<sup>st</sup> Feb.,2005.
- 3.Registrar(Actg) from 31-10-2005 to 1-12-2005

4. Chairman, IIT JEE, 2004 & 2005 & Vice-Chairman, IIT JEE, 2003.
5. Chairman, MSc, MscTech EE, 2004.
6. Chairman, Central Purchase Committee, 2004.
7. Vice-Chairman, Central Purchase Committee, 2002-2003
8. President, CSLS for 2001 to 2004.
9. Convenor, East Zone Inter University Youth Festival, 2001.
10. Acted as Professor in Charge, Semester Examinations, 1997-98.
11. Acted as Deputy Registrar (Academic) during 1993-94.
12. Conducted ISM Entrance Test for three years from 1993 to 1995.
13. Acted as Warden for 3 years and as Senior Hostel Warden for 3 years.
14. Chairman of Committee for forming the rules of house allotment & Member of Committee forming Semester rules and PhD rules.
15. Chairman, Grievance Committee, 2001-2002.
16. President of Scolomin Club in 1993-94 and 2004-05.

**9. Research and teaching Experience:** 31 years and 6 months

**Field of specialization: Physics (Laser Physics & Quantum Electronics)**

**10. Research publications : 64 (List enclosed- Annexure I)**

**PhDs and MPhils guided:**

PhDs guided : 2

PhD guiding : 1

MPhils Guided : 4

**11. RESEARCH PROJECTS CARRIED OUT:**

Title of Project	Funding Agency	Year
1. Development of room temperature Sensors for methane using carbon Nanotubes and nanofibres	Coal S&T , GOI	2005- Contg.

2. Study of the phenomena of squeezing of radiation- Normal & Higher order in selected nonlinear optical processes.	I.S.M	2002-2005
3. Laser holographic study of rocks and minerals.	A.I.C.T.E	1995-2000.
4. Study of nonclassical properties of Nonlinear optical processes.	I.S.M	1993-1998.
5. Quantum mechanical study of Nonlinear optical processes.	I.S.M	1989-1993.
6. Quantum mechanical study of some multi-wave mixing non-linear optical processes.	I.S.M	1989-1990.
7. Study of photon-statistics and building up of some nonlinear optical phenomena by quantum mechanical approach.	I.S.M	1988-1989.

#### **12.SEMINAR/CONFERENCE ORGANISED:**

**1.Convenor** of the **National seminar** on ‘**X-ray , Laser , Optico-acoustic and electrical studies of solids including minerals and coal**’ organised in the Dept of Applied Physics at I.S.M during March 25-26,1998.

**2. Convenor** of the **National Conference** on “Emerging Areas in Applied **Physics**” organized by the Department of Applied Physics at I.S.M. during February 21-23, 2004.

#### **13.FOREIGN VISITS:**

1.Awarded **INSA Exchange fellowship** for collaborative research work at **Czech. Academy of Sciences and University of Olomouc, Czech. Republic in 1994.**

2. Visited **U.S.A** to present a paper in International Conference OE/LASAE, 1994.

3. Visited U.S.A to attend International Conference in Laser and Applications at Seattle during July,2002 and presented a research paper.