

Curriculum-Vitae

PERSONAL DETAILS

Name : Dr. Sunil Panwar
Date of Birth : 01.01.1966
Father' s Name : Late Sh. Jagdish Singh
Gender : Male
Nationality : Indian
Permanent address : Q-47, Shivalik Nagar, Haridwar-249403
Mobile No. : 7300761238
E- mail : dr.sunilpanwar66@gmail.com



PROFESSIONAL AND EDUCATIONAL QUALIFICATIONS

- **Ph.D.** degree from University of Roorkee, Roorkee on the topic of “*Electronic & Magnetic properties of Heavy fermions & Mixed – Valence Systems*” in **1993**.
- **M.Sc.** degree with specialization in Electronics from Meerut University, Meerut in **1986**.
- **B.Sc.** degree with Physics, Chemistry & Mathematics from Meerut University, Meerut in **1984**.
- **Intermediate** from UP Board, Allahabad in **1982**.
- **High School** from UP Board, Allahabad in **1980**.

Membership of Academic Bodies

- Life Member of Indian Science Congress Association, Calcutta, India.
- Member of Board of studies
- Member of Academic Counselling

Teaching Experience: 27 years (Date of joining in FET: 06.11.2000 as Sr. Lecturer)

- Presently working as Associate Professor, Department of Applied Science, Faculty of Engineering & Technology, Gurukula Kangri (Deemed to be University), Haridwar since Nov., 2008.
- Previously worked as Head, Department of Applied Science during 2017-20.
- Previously worked as Dean, Faculty of Engineering & Technology, Gurukula Kangri (Deemed to be University), Haridwar during 2016-19.
- Previously worked as a Senior Lecturer & Head, Department of Applied Physics, Anuradha Engineering College, Chikhli, Buldana (M.S.) during 1994 -2000.

Research Experience: 27 Years

Field of Research: Condensed Matter Physics (Theory)

Ph.D. Produced: 01 as Co- Guide

Research Publications in International Journals: 31

International Conferences attended and papers presented: 10

National Conferences attended and papers presented: 36

Research Projects Completed (UGC and CSIR): 01 UGC Major Research Project of Rs. 8.12 Lacs

Distinctions: Invited as visiting Scientist for two months (1994-95) at Condensed Matter Theory Group, University of Roorkee, Roorkee.

Editorial Boards of Journals: Associate Editor, International Journal of Scientific Research & Growth (IJSRG) (ISSN: 2456-1363)

Departments Founded/ Established

- (1) Department of Applied Physics, AEC, Chikhli, Buldana(M.S.)
- (2) Dept. of Applied Physics, FET, GKV, HWR

DETAILS OF RESEARCH PUBLICATIONS & ACADEMIC CONTRIBUTATIONS:

A. Paper Published in Journals

(2010-2020)

1. **Sunil Panwar**, Vijay kumar, Amit Chaudhary and Ishwar Singh “A variational theory of zero field electrical resistivity of colossal mangnetoresistive manganites ($Re_{1-x} A_x MnO_3$), **Modern Physics Letters (B) 28 (24) (2014)** 1450182.
2. **Sunil Panwar**, Vijay Kumar, Amit Chaudhary, Rajendra Kumar and Ishwar Singh, “Theoretical study of magnetotransport properties of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$): A Variational Treatment”, **Solid State Communications 223 (2015)** 32-36.
3. Amit Chaudhary, **Sunil Panwar**, Vijay Kumar, Rajendra Kumar and Ishwar Singh “Theoretical study of magnetic susceptibility of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$): A Variational Treatment, International Journal of Advance Research in Science & Engineering (**IJARSE**) **4(05) (2015)** 53-59.ISSN-2319-8354(E).
4. **Sunil Panwar**, Vijay Kumar, Amit Chaudhary and Rajendra Kumar “Zero field magnetic susceptibility of colossal mangetites ($Re_{1-x} A_x MnO_3$)” Journal of Indian Institute for Engineering, Management and Science (**JIIEMS**), **Vol. 3, Issue 1, November 2015**, ISSN-2347- 6184.

5. Amit Chaudhary, Vijay Kumar, **Sunil Panwar**, Rajendra Kumar and Ishwar Singh “Theoretical study of zero field thermoelectric power in colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$); A Variational Treatment”, **Asian Journal of Physics**, **24 No. 11 (2015)** 1575-1582, p-ISSN : 0971-3093.
6. **Sunil Panwar**, Vijay kumar and Ishwar Singh “Magneto thermal properties of hole doped CMR manganites ($Re_{1-x} A_x MnO_3$): A Variational Treatment”, **ESSENCE-International Journal for Environmental Rehabilitation and Conservation**, Vol VI No. 2(2015)189-193,ISSN : 0975-6272.
7. **Sunil Panwar**, Vijay Kumar, Ishwar Singh, “A variation theory of Hall effect of Anderson lattice model: Application to colossal magnetoresistance manganites ($Re_{1-x} A_x MnO_3$),” **Solid State Communications** **266 (2017)** 51-54.
8. **Sunil Panwar** and Vijay Kumar, “Assessment of Variation in Zero Field Hall Constant of Colossal Magnetoresistive Manganites ($Re_{1-x} A_x MnO_3$)”. **ESSENCE- International Journal for Environmental Rehabilitation and Conservation**, Vol VIII (2) (2017) 103-107.
9. **Sunil Panwar**, Ishwar Singh, A variational theory of magnetic field dependent thermoelectric power of Anderson lattice model: An application to colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$). **Journal of Applied Physics, AIP Conference Proceedings**, Volume **2115**, 030421(2019). <https://doi.org/10.1063/1.5113260>
10. S. Panwar and I. Singh, “Zero field Electronic Specific Heat of Anderson Lattice Model: An Application to colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)”**ESSENCE- International Jr. for Environmental Rehabilitation and Conservation**, Vol XI(2) (2020) pp 16-22.
11. **Sunil Panwar** and Ishwar Singh “A variational theory of zero field electronic specific heat in colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” “ Accepted in **AIP Conference Proceedings**[In Press], (2021).

(2000-2010)

1. **S. Panwar**, P. Dua & I. Singh,” Electrical Resistivity and Hall Constant of Anderson Lattice with Finite f-Band Width”, **Solid State Physics (India)**, **45C**, Dec. **2002**.

2. **S. Panwar**, P. Dua & I. Singh, "Role of Inter-site Hybrid Interaction in Metallic Ferromagnetism" **Solid State Physics (India)**, **45C**, Dec. **2002**.
3. **S. Panwar**, P. Dua & I. Singh, "Role of Exchange and Pair-Hopping Interactions on Hole-Superconductivity" **Solid State Physics (India)**, **45C**, Dec. **2002**.
4. **S. Panwar** & I. Singh, "Anomalous Electrical Resistivity and Hall Constant of Anderson Lattice with Finite f-Band Width", **Indian J. Phys.** **76A (6)**, 557 (**2002**).
5. **S. Panwar**, P. Dua & I. Singh "Anomalous Hall Constant of Heavy Fermion System", **Indian Journal of Pure and Applied Physics**, **41** ,389 (**2003**).
6. **S. Panwar**, P. Dua & I. Singh "A Variational Study of Anderson Lattice for Heavy Fermions superconductivity" **Solid State Physics (India)** **46**, 607 (**2003**).
7. **S. Panwar**, P. Dua & I. Singh "Itinerant Ferromagnetism in Doubly Degenerate Hubbard Model", **Solid State Physics (India)** **46**, 811-12 (**2003**).
8. **S. Panwar**, P. Dua & I. Singh "A Variational Study of Superconducting Correlations within Periodic Anderson Model", **Physica B**, **359 - 361**, **816** (**2005**).
9. **S. Panwar**, P. Dua & I. Singh, "Role of Inter-Site Hybrid interactions in itinerant Ferromagnetism" **Indian Jr. of Pure and App. Phys**, **44 (9)**, 677-684, (**2006**)
10. **S. Panwar**, P. Dua & I. Singh, "A Variational Study of Periodic Anderson Model with Superconducting Correlations", **Journal of Physics and Chemistry of Solids**, **67(1-3)**, 103-107, (**2006**).

(1990-2000)

1. **S. Panwar** & I. Singh, "A Variational Theory of the Ground State of Anderson Lattice" **Solid state Communs**, **72**, 711 (1989).
2. **S. Panwar** & I. Singh, "Magnetic Susceptibility of Heavy Fermions and Mixed-Valence Systems", **Phys. St. Sol.(b)** **168**, 583 (1991).
3. **S. Panwar** & I. Singh, "Electronic Specific Heat of Heavy Fermions Systems" **Solid state Communs**, **85**, 239 (1993).
4. **S. Panwar** & I. Singh, "Magnetic- Non Magnetic Ground State of Mixed- Valence and Heavy Fermions Systems" **Phys. St. Sol. (b)** **175**, 487 (1993).
5. **S. Panwar** & I. Singh, "Electronic Specific Heat and Thermoelectric Power of an Anderson Lattice with Finite f-Band Width" **Phys. Rev.** **B50**, 2110 (1994).
6. **S. Panwar** & I. Singh, "Transport Properties of Heavy Fermions and Mixed – Valence Systems", **Physica**, **B205**, 253(1995)

7. **S. Panwar** & I. Singh, “Magnetic Susceptibility and Electronic Specific Heat of Anderson Lattice with Finite f-Band Width”
J. Appl. Phys., **76**, 6223 (1994).
8. **S. Panwar** & I. Singh, “Electrical Resistivity and Thermoelectric Power of Heavy Fermions and Mixed- Valence Systems”**J. Appl. Phys.**, **76**, 6220 (1994).
9. **S. Panwar** & I. Singh, “Magnetic Susceptibility of Anderson Lattice with Finite f- Band Width”, **Phys. St. Sol. (b)** **190**, 307 (1995).
10. **S. Panwar** & I. Singh, “Theory of the Hall Effect in Heavy Fermions Compounds”
Solid St. Commun., **98**, 83 (1996).

B. Paper presented in Conferences, Seminars & Symposia

INTERNATIONAL CONFERENCE

1. **S. Panwar** attended and presented one research paper on “A variational theory of magnetic field dependent thermoelectric power of Anderson lattice model: An application to colossal magnetoresistive manganites “at 63rd DAE Solid State Physics Symposium organized by Bhabha Atomic Research Centre, Mumbai at Guru Jambheshwar University of Science & Technology, **Hisar**, Haryana during December 18-22, **2018**.”
2. **S. Panwar** and V. Kumar presented a paper on “A variational theory of zero field thermoelectric power of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” at 102nd Indian Science Congress Association, University of Mumbai, **Mumbai** from 03-07 January, **2015**.
3. **S. Panwar**, J.K. Vats, M.A. Palafox and V.K. Rastogi presented a paper on “FTIR and FT-Raman spectra, vibrational assignments and other molecular properties of 2-amino-5-chlorobenzonitrile: a DFT study” at the 5th International conference on Perspectives in Vibrational Spectroscopy held during 08-12 July **2014** at Mascot Hotel, **Trivandrum, Kerala, India**.
4. **S. Panwar**, A. Chaudhary, V. Kumar and I. Singh, “Low temperature transport anomaly in colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” accepted in the International Conference on Condensed Matter in Paris (CMD 25-JMC-14) organised by **Universite’ Paris Descartes(2014)**, from 24-29 August, **2014**.
5. **S. Panwar** attended and presented **two research papers** on “A variational theory of the ground state of manganites exhibiting colossal magnetoresistance” & “Fourier transform Raman spectrum of Biomolecule: 2- Thiouracil” in the *International*

Conference on Green Technologies for Environmental Rehabilitation (GTER- 2012) organized by Faculty of Engineering & Technology, Gurukula Kangri University, Haridwar, INDIA from Feb. 11-12, 2012.

6. S. Panwar, **P. Dua** & I. Singh presented a paper on” A variational study of periodic Anderson model with superconducting correlations” in the *International conference on Spectroscopies in Noval Superconductors, Sitges, Spain during 11th- 16th July, 2004.*
7. S. Panwar, **P. Dua** & I. Singh presented a paper on” Heavy fermion superconductivity within periodic anderson model “at Euro- conference on Ab- initio many body theory for strongly correlated systems, the Abdus Salam ICTP, Trieste, Italy during 25th- 29th August, 2003.
8. **S. Panwar** & I. Singh presented **two papers** on “Electrical resistivity & thermoelectric power of heavy fermions & mixed- valence systems “& “Magnetic susceptibility & electronic specific heat of Anderson lattice with finite f- bandwidth” in 6th Joint MMM-Intermag Conference, **New Mexico(USA)** during June 20-23, **1994.**
9. **S. Panwar** & I. Singh presented a paper on “A variational treatment of the heavy fermions ground state of the periodic Anderson model “at 35th Annual Conference on Magnetism and magnetic materials, **San Diego, California (USA)** Nov. **1990.**

NATIONAL CONFERENCE, SEMINARS, SYMPOSIA

1. **S. Panwar** attended and presented **one research paper** in *National conference on Physics and Chemistry of Materials (NCPCM-2020) organized by Department of Physics, Govt. Holkar (Modal, Autonomous) Science college, Indore (MP) during Dec. 14-16, 2020.*
2. **S. Panwar** attended and presented **two research papers** in *National conference on Rural Development, The Indian Science Congress Association (Haridwar Chapter) organized by Department of Chemistry and Department of Physics, Gurukul Kangri Vishwavidyalaya, Haridwar, during February 15-16, 2020.*
3. **S. Panwar** attended and presented **two research papers** in *National conference on Rural Development, The Indian Science Congress Association (Haridwar Chapter) organized by Department of Chemistry and Department of Physics, Gurukul Kangri Vishwavidyalaya, Haridwar, during February 15-16, 2020.*

4. **S. Panwar** attended and presented one research paper in DRDO sponsored *National Conference on Advanced Technologies and Environmental Safety (ATES-2019)* organized by IFTM University, Muradabad during March 9-10, **2019**.
5. **S. Panwar** and V. Kumar attended and presented one research paper “A variational study of Zero field Hall constant of colossal magnetoresistive manganites ($\text{Re}_{(1-x)}\text{A}_x\text{MnO}_3$)” on “Reaching the unreachable through Science and Technology”, in 8th Conference of The Indian Science Congress Association (Haridwar Chapter) organized by Department of Mathematics and Department of Computer Science, D. S. B. Campus, Kumaun University, Nainital during October 14-15, **2017**.
6. **S. Panwar**, V. Kumar and A. Chaudhary presented a paper on “Magneto thermal properties of hole doped CMR manganites ($\text{Re}_{1-x}\text{A}_x\text{MnO}_3$): A variational treatment “at the National Conference on Science and Technology for Indigenous Development in India, Indian Science Congress Association: Haridwar Chapter, FET, GKV, Haridwar (Sep. 28-30 **2015**).
7. **S. Panwar**, V. Kumar, A. Chaudhary, R. Kumar and I. Singh presented a paper on “Effect of magnetic field on thermoelectric power of colossal magnetoresistive manganites ($\text{Re}_{1-x}\text{A}_x\text{MnO}_3$) at the National Conference on Emerging Trends In Physics And Materials Science (ETPMS-2015) Organized by Chaudhary Devi Lal University, Sirsa, Haryana from 9-10, March, **2015**.
8. **S. Panwar**, V. Kumar, A. Chaudhary, R. Kumar and I. Singh presented a paper on “Magneto transport properties of colossal magnetoresistive manganites ($\text{Re}_{1-x}\text{A}_x\text{MnO}_3$) at the National Conference on Science & Technology for Human Development Organized by ISCA, Haridwar Chapter & Department of Ancient Indian History, Culture & Archaeology, Gurukula Kangri University, Haridwar, INDIA from March 20-21, **2015**.
9. **S. Panwar** and V. Kumar presented a paper on, “Magnetic susceptibility of colossal magnetoresistive manganites ($\text{Re}_{1-x}\text{A}_x\text{MnO}_3$)” at the National Conference on photonics and Materials science, Nov. 18-19, **2015** (NCPMS) in Guru Jambheshwar university of Science & Technology, Hisar.
10. **S. Panwar** and V. Kumar presented a paper on, “Hall constant of colossal magnetoresistive manganites ($\text{Re}_{1-x}\text{A}_x\text{MnO}_3$) “at the National Conference on Impact of Rapid Advancements in Management, Science and Technology (IRAMST - 2015),

Rajshree Institute of Management & Technology, Bareilly, from 26-27 December, 2015.

11. **S. Panwar** and A. Chaudhary presented **two papers** on “Magnetic susceptibility & Hall constant of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$) & “thermoelectric power of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” *in the National Symposium on “Innovations in Science & Technology for inclusive Development”*, organized by Haridwar Chapter of the ISCA on Feb. 16, **2015**.
12. **S. Panwar**, V. Kumar, A. Chaudhary and R. Kumar presented **two papers** on “Thermoelectric power of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” & “Magnetic susceptibility and Hall constant of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” *at the National Symposium on Innovation in Science and Technology for Inclusive Development, Indian Science Congress Association Chapter, GKV, Haridwar (2014)*.
13. A. Chaudhary, **S. Panwar**, V. Kumar & R. Kumar presented a paper on “Electronic specific heat and thermoelectric power of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” *at the National Symposium on Innovation in Science and Technology for Inclusive Development, Indian Science Congress Association Chapter, CCSU, Meerut (2014)*.
14. V. Kumar, A. Chaudhary and **S. Panwar** presented **two papers** on “Electrical resistivity of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” & “A variational theory of transport properties of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” *at the 2nd National Conference on Photonic & Materials Science, GJUS & T, Hisar (2014)*.
15. V. Kumar, **S. Panwar**, A. Chaudhary and I. Singh presented a paper on “Zero field magnetic susceptibility of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” *at the National Conference on Recent Engineering Trends in Energy, Environment & Ecology (RETEEE - 2014), Rajshree Institute of Management & Technology, Bareilly, from 27-28 September, 2014*.
16. A. Chaudhary, V. Kumar, **S. Panwar** & R. Kumar presented **two papers** on “Hall constant of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” & “A variational theory of zero field electronic & magnetic properties of colossal magnetoresistive manganites ($Re_{1-x} A_x MnO_3$)” *at the National Symposium on Instrumentation of magnetoresistive manganites (NSI-39), organized by Instrument Society of India, IISc, Bangalore & Faculty of Engineering*

& Technology, Gurukula Kangri University, Haridwar, INDIA from 15-17 October, 2014.

17. A. Chaudhary, V. Kumar, **S. Panwar** and R. Kumar presented **two papers** on “Electronic specific heat of colossal magnetoresistive manganite ($Re_{1-x}A_xMnO_3$)” & Raman spectrum of the Bio-molecule Thiouracil: A DFT Approach” at the *National Conference on Emerging Trends in Engg. & Sciences (ETES) FET, GKV, Haridwar (2013)*.
18. **S. Panwar** presented a paper on “Electronic specific heat and electrical resistivity of manganites exhibiting colossal magnetoresistance” in the *National Seminar on Progress in Electronics & Allied Sciences (PEAS-2012) during Nov. 3-4, 2012 organized by Faculty of Engineering & Technology, Gurukula Kangri University, Haridwar, INDIA*.
19. **S. Panwar** presented a paper on “A Variational theory of manganites exhibiting colossal magnetoresistance” in the *National Seminar on Innovations and Applications in Engineering & Applied Sciences (IAEAS-2011) during 9th- 10th Nov. 2011 held on Faculty of Engineering & Technology, Gurukula Kangri University, Haridwar, INDIA*.
20. **S. Panwar** & I. Singh presented a paper on “A variational study of Anderson lattice for heavy fermions superconductivity” at *Solid State Physics (DAE) Symposium, 46 C, Dec. 2003*.
21. **S. Panwar** & I. Singh presented **three papers** on “Electrical resistivity and Hall constant of Anderson lattice with finite f- bandwidth & “Role of intersite hybrid interaction in metallic ferromagnetism” & “Role of exchange and pair- hopping interactions on hole- superconductivity” at *Solid State Physics (DAE) Symposium, 45 C, Dec. 2002*.
22. **S. Panwar** & I. Singh presented a paper on “A Variational theory of Anderson lattice” at *Solid State Physics (DAE) Symposium, 31 C, Dec. 1988*.
23. **S. Panwar** & I. Singh presented a paper on “A variational treatment of the heavy fermions ground state of the periodic Anderson model” at *Solid State Physics (DAE) Symposium, 32 C, Dec. 1989*.
24. **S. Panwar** & I. Singh presented a paper on “A variational calculation of spin susceptibility & specific heat of an Anderson lattice” at *Solid State Physics (DAE) Symposium, 33 C, Dec. 1990*.
25. **S. Panwar** & I. Singh presented a paper on “Electrical resistivity of heavy fermions systems” at *Solid State Physics (DAE) Symposium, 35 C, Dec. 1992*.

26. **S. Panwar** & I. Singh presented a paper on “Electronic specific heat of Anderson lattice with finite f- bandwidth “at *Solid State Physics (DAE) Symposium, 36 C, Dec. 1993*.
 27. **S. Panwar** & I. Singh presented **two papers** on “Quantum Monte Carlo study of one dimensional strongly correlated electron systems “& “Magnetic susceptibility and electronic specific heat of Anderson lattice with finite f- bandwidth” at *Solid State Physics (DAE) Symposium, 37 C, Dec. 1994*.
 28. **S. Panwar** & I. Singh presented a paper on “Anomalous Hall effect in heavy fermion systems” at *Solid State Physics (DAE) Symposium, 37 C, Dec. 1994*.
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Orientation/ Refresher/ Faculty development programme/Workshop/ Short term course attended:

Orientation/ Refresher Course attended

1. Orientation Course, UGC-ASC, Feb 10 to March 10 ,2004, Alligarh Muslim University, Alligarh, UP.
2. Refresher Course, UGC- ASC, March 11-31, 2008, H P University, Shimla (HP).
3. Refresher Course, UGC- ASC, Nov.27 to Dec.17, 2008, University of Hyderabad, Hyderabad (AP).

Workshop/ Faculty Development Programme attended

1. Key note address on National workshop on Science & Technology: Future Prospectives, June 15-16,2009 organized by Nagaji Institute of Technology & Management, Sitholi, Gwalior (M.P.).
2. Workshop on Scientific Computing Theory and Practices, Oct. 8-13, 2012 organized by FET, GKV, Haridwar.
3. Workshop on The Physics and Mathematics of the Universe, March 11-12, 2013 organized by Department of Physics & Mathematics, GKV, Haridwar.

OIP/Short Term Course attended

1. MHRD sponsored Short term Programme on “*Soft Computing*”, March 27-31, 2006 organized by NITTTR, Chandigarh at FET, GKV, Haridwar
2. MHRD sponsored Short term Programme on “*Development of Multimedia Learning materials*”, May 26-29, 2008 organized by NITTTR, Chandigarh at FET, GKV, Haridwar

3. MHRD sponsored Short term Programme on “*Advances in Soft Computing and its Applications*”, July 14-25, 2008 organized by NITTTR, Chandigarh at FET, GKV, Haridwar
4. MHRD sponsored Short term Programme on “*Advanced Antenna Engineering through Experimentation*”, Feb 09-20, 2008 organized by NITTTR, Chandigarh at FET, GKV, Haridwar
5. FDP on Teaching and soft skills, Oct. 3-4,2018 organized by FET, GKV, Haridwar.
6. Worked as **Webinar Chair** in the **National Webinar** on “How Engineers Can Contribute in Fight Against Covid 19 Pandemic” organised by FET, GKV, Haridwar on July 06, 2020.

Extra-Curricular Activity

1. Managing Editor of Faculty Quaterly News Letter “*Nabag*”.
2. Observer for conducting JEE- Mains -2013 by CBSE Board, Delhi.
3. Observer for conducting AIEEE -2009,2010,2011& 2012 by CBSE Board, Delhi.
4. Observer for conducting Central Teacher’s Eligibility Test- 2011 by CBSE Board, Delhi.
5. Presently working as **President, NDLI club**, FET, GKV, Haridwar

Declaration

I hereby declare that all the statements made herein are true to the best of my knowledge and belief.

(Dr. Sunil Panwar)