

## *Curriculum Vitae*

### **Dr. Vijay Kumar**

Professor (Physics), Dean Student's Welfare  
Dean (Faculty of Education)  
Indira Gandhi University, Meerpur-Rewari  
Haryana-122502, India



### **Contact Details:**

Phone-9888754193, 9813554193

Postal Address: Prof. Vijay Kumar, Chairperson  
Department of Physics, Indira Gandhi  
University, Meerpur –Rewari, Haryana

E-Mail: [vijaykumar.phys@igu.ac.in](mailto:vijaykumar.phys@igu.ac.in), [nanovijay1@gmail.com](mailto:nanovijay1@gmail.com)

### **Qualifications:**

Ph. D (Physics): From National Institute of Technology, Kurukshetra-INDIA in 2009

M.Sc. (Physics): First Division form Punjabi University Patiala in 1996

B. Tech.-Part Time (Ind. Engg. & Management): First Division from IKG Punjab Technical University, Jalandhar in 2014

**Field of specialization:** Solid State Devices, Solar Cell & Nanotechnology

**Experience:** Total Teaching Experience – 23 Years (>Professor level-11 years)  
Industrial Experience (R & D) -1.5 years

Professor (02.04.2021-Till Date): Indira Gandhi University, Meerpur: 02-04-2021

Principal (13.09.2017-02.04.2021): Sh. L.N. Hindu College, Rohtak

Registrar (02.09.2014-01.09.2017): IKG Punjab Technical University –Campus Mohali

Professor (16.06.2008-25.07.2014): Punjab College of Engineering & Technology, Mohali

### **Research Publications, Patents, Research Guidance, Projects etc:**

#### **Papers Published**

- International & National Journals/ Conferences/Seminars-105
- Session Chaired-14
- Book Chapter-01
- Patron (National Seminars/webinars)-05/12
- Patron (FDPs/workshops)-07
- Patron- Extension lectures-36

### **Patent-01**

(Australian Innovation Patent-Filed- application no. 2021102596)

### **Research Guidance-**

**Ph.D-02** (01 awarded & 01 Pre-Thesis Submitted), **M. Tech.-13**

### **Sponsored Projects-Completed-02, Submitted-01**

(Department of Sc. & Technology, Govt. of India-01, Industrial Project-01)

### **Trainings/Workshops/Courses developed**

- Workshops attended-04, Conference (convener)-11
- Course Developed: NEMS/MEMS for M. Tech. (Nanoscience & Nanotechnology), Punjab University, Chandigarh
- Certificate Courses: 21 certificate courses started under livelihood scheme at Sh. L. N. Hindu College, Rohtak- 21 (please visit <https://inhinducollege.edu.in/certified-courses/>)

### **Reviewer/Editor of Journals:**

- Reviewer: IEEE Transactions on Nanotechnology
- Reviewer: International Journal of Engineering, Science & Humanities
- Editor: International Journal of Theoretical & Applied Sciences (ISSN No. 0975-1718).
- Reviewer: Applied Nanoscience- a Springer journal (ISSN: 2190-5517)
- Reviewer: DAE Solid State Physics Symposium- 2015

### **Research Collaborations:**

#### **Universities/Institutions: (National)**

- CSIO, Sector-32, Chandigarh
- Punjab University, Chandigarh
- PEC (Deemed to be University), Chandigarh
- Jammu University, Jammu
- Amity University, Noida
- IKG Punjab Technical University, Jalandhar
- Indian Institute of Technology, Ropar

#### **Universities/Institutions: (International)**

- Dongguk University, Seoul, South Korea
- UPPSALA University, Sweden
- Monash University, Australia
- Charles University, Prague, Czech Republic

## **Membership of Professional Bodies:**

- Life Member: (LM 68390) ISTE New Delhi
- Life Member: Nuclear Track Society of India

## **Membership of Committee(s):**

### **University Level**

- Member: Panel of examiners at IKG Punjab Technical University Jalandhar & Punjab University, Chandigarh
- Coordinator: Continuing Education Program at IKG Punjab Technical University Campus, Mohali
- Member: Finance Committee, Prospectus committee, IKG Punjab Technical University, Jalandhar
- Coordinator: Bhagat Singh Vivekanand Vichar Kendra, IKG Punjab Technical University, Jalandhar
- Member: Curriculum Review Committee, Punjab State Board of Technical Education & Industrial Training, Chandigarh
- Member of Academic Council, Maharishi Dayanand University, Rohtak
- Member of Court, Maharishi Dayanand University Rohtak, and Indira Gandhi University, Rewari
- Member: Sports Council, Maharishi Dayanand University Rohtak
- Member: Review Committee (Norms for selection norms in Aided/SFS Colleges), Maharishi Dayanand University, Rohtak
- Chairperson: Selection Committee of Kho-Kho (W), Maharishi Dayanand University, Rohtak

### **College Level**

- Member IQAC-IKG Punjab Technical University Campus, Khunimajra, Mohali
- Played key role in establishing Skill development centre at IKG Punjab Technical University Campus, Khunimajra, Mohali in collaborations with ICICI academy for skills (Please visit <https://www.youtube.com/watch?v=yORjtLDGzWU>)
- Performed duties as controller of examinations, Training & placement officer, Hostel warden, bursar, incharge women cell-time table-cultural affairs-sports, convener prospectus committee, Convener purchase and disposal committee etc.

## **Awards & Recognitions:**

- Worked as Dean (Planning & Development) for three consecutive years from 2002-2005 and awarded with **“BEST PLANNER OF THE YEAR AWARD”** at Punjab College of Engg. & Tech., District SAS Nagar (Mohali).
- **Research Project** of Rs. 15.6 Lacs Under **Fast-track Young Scientist Scheme** by Department of Sc. & Technology. GOI.
- Awarded with **“Excellence awards in Youth Red Cross activities for the year 2018-19”** by M D U, Rohtak
- Awarded with **“Rakata Sewa Samman”** by Indian Red Cross Society on 16/06/2019 for contribution in organizing blood donation camps.
- Awarded with **“Letter of Appreciation”** for providing assistance for managing the needy persons and migrant labourers, shelter homes etc. in Pandemic Covid-19 by **District Administration, Rohtak (D.O. No. 2672-740/PA dated 09/06/2020).**