

**Name:** Dr. P. PAVAN KUMAR  
**Designation:** Asst. Professor  
**Department:** H&S (Physics)  
**Mail.I.D:** pavankumar\_p@vnrvjiet.in  
**Experience (in years): Teaching: 17 yr, Research:- 3 years**



### 1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	M. Phil	2007	Material Science
2	M. Sc (Physics)	2005	E & I
3	B. Sc	2003	Computers
4	Ph.D (Physics)	2021	Glass Materials

### 2. Teaching and Learning:

- 2.1 Teaching Interests: Solid state Physics, Material Science, Engineering Physics and Physics from Computing Science  
 2.2 Novel Teaching & Learning Techniques adopted: Lab Protocol, WIT & WIL, Learning by Doing  
 2.3 Involvement in curriculum updating / Design: Member BoS (Physics)

### 3. Co-curricular and Extra-Curricular Activities

- 3.1. Interests and Hobbies: Net Surfing, and Playing Chess  
 3.2. CCA/ECA Organized:  
 3.3. CCA/ECA participated:  
 3.4. Counseling and Mentoring Activity:  
 3.5. Committees involved in:

**Department level:** Member BOS (Physics).

**Institute Level:** Coordinator, Quality Assurance-IQAC.  
 Member in Anti ragging committee,  
 Disciplinary committee member, Convergence.  
 Lab Story board book preparation,  
 Member in ReStart Manual Preparation (COVID-19)

### 4. Conference / Workshop / Seminar / Guest Lectures:

- 4.1 Conducted: 02  
 4.2 Attended: 26

### 5. Academic Contribution and Research & Consultancy:

- 5.1. Invited Lectures:  
 5.2. Articles / Chapters published in Books:  
 5.3. Books published as single author or as editor:  
 5.4. Projects Guided:  
     a) UG: 03-Summer Internship - Completed  
         02- Summer Internship - Ongoing  
     b) PG:

5.5. Research Interests: Material Science- Glass materials

5.6. Ph.D students: -

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Optical and AC conductivity characterization of alkaline earth borobismuthate glasses doped with nickel oxide	Optik (Elsevier) Vol. 220 PP: 165152	ISSN: 0030-4026	2.187	International
2	Physical and Optical Properties of Borobismuthate Glasses Containing Vanadium Oxide	Glass Physics and Chemistry Vol: 46 PP: 146-154	1087-6596	0.672	International
3	A study on optical properties of MnO doped borobismuthate glasses	Materials Today: Proceedings Volume 41, Part 5, 2021, Pages 1008-1012	ISSN : 2214-7853	0.576	International
4	Influence of TiO <sub>2</sub> ions on structural properties and AC conductivity of BaO-Bi <sub>2</sub> O <sub>3</sub> -B <sub>2</sub> O <sub>3</sub> glass system	Materials Today: Proceedings Volume 38, Part 5, 2021, Pages 2200-2204	ISSN : 2214-7853	0.576	International

5.8. Papers presented at National / International Journals:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Effect of small concentration of TiO <sub>2</sub> on physical and optical properties of borobismuthate glasses	3rd International Conference on Condensed Matter & Applied Physics (ICC 2019) will be held at Govt. Engineering College, Bikaner, Rajasthan	International	October 14-15, 2019
2	Effect of small concentration of TiO <sub>2</sub> on physical and optical properties of borobismuthate glasses			

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

7. **Motto:** Be good, Do good.