

Dr. Vivek Gupta

Assistant Professor, Department of Physics
Guru Jambheshwar University of Science & Technology, Hisar (Haryana)

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About Me

- Teaching is my passion. I love to teach students with full competence and commitment. My teaching objectives are to:
 - create an excitement and a sense of emotional attachment to the subject
 - improve critical thinking skills
 - motivate and inspire students
 - inculcate good human values
- Believe in innovative research and explore product-oriented research ideas.

Courses Taught

- Research Methodology (Ph.D. Course-work)
- Solid State Physics (B.Sc. Hons.)
- Physics of Semiconductor Devices (B.Sc. Hons.)
- Quantum Mechanics (B.Sc. Hons.)
- Electricity & Magnetism (B.Sc. Hons.)
- Mechanics (B.Sc. Hons.)
- Heat & Thermodynamics (B.Sc. Hons.)
- Fundamentals of Physics (Senior Secondary Classes)

Research Areas

- Smart Piezoelectric Structures (Active Vibration Control, Vibration Energy Harvesting)
- Silicon Solar Cells (Simulations, Fabrication, Characterization)
- Thermoelectric Materials (Simulations, Fabrication, Characterization)
- Conducting Polymers
- Research work is published in reputed peer reviewed international journals

Ongoing Ph.D. Supervision

- Currently supervising 05 Ph.D. research scholars in Silicon Solar Cells, Thermoelectric Materials and Conducting Polymers.

Completed Research / Project Supervision

- 02 M.Phil. Thesis on Piezoelectric Vibration Energy Harvesting
- 12 Projects of M.Sc. students in Energy Harvesting (Mechanical, Light and Thermal)

Administrative Responsibilities (in GJUS&T)

- UGC SWAYAM Co-ordinator
- Warden, Boys Hostel No. II
- Co-ordinator, Ion Assisted Vacuum Deposition Thin Film Lab.

Past Experience

- Lecturer in Physics (School Cadre), Department of Higher Education, Government of Himachal Pradesh
- Nodal Officer (ICT Projects and Policies), Department of Higher Education, Govt. of Himachal Pradesh.
- Google Certified Teacher (Use of ICT Tools in Teaching)
- Nominated for 'National ICT Award for School Teachers' by Dept. of Higher Education, Govt. of Himachal Pradesh

Education

Course	Subject/s	Board / University	Special Mention
Ph.D.	Physics	Himachal Pradesh University, Shimla	<ul style="list-style-type: none">▪ Proposed a new and temperature robust scheme for active vibration control of a smart piezo structure.▪ Verified the newly proposed scheme experimentally
M. Sc.	Physics	Himachal Pradesh University, Shimla	<ul style="list-style-type: none">▪ Specialization in Solid State Physics & Electronics▪ Qualified CSIR-UGC NET▪ Qualified GATE in Physics.
P.G.D.C.A.	Computer Science	Himachal Pradesh University, Shimla	<ul style="list-style-type: none">▪ The course was completed to enhance computational skills.
B. Sc.	Physics, Chemistry, Mathematics	Govt. Degree College, Sarkaghat	<ul style="list-style-type: none">▪ 10th Rank in Himachal Pradesh▪ 1st Rank in District Mandi
10 + 2	Physics, Chemistry, Mathematics	Govt. Degree College, Sarkaghat	<ul style="list-style-type: none">▪ HP Board's 'Brilliance Scholarship' for 2 years
Matric	Common Stream	Govt. Sen. Sec. School, Sarkaghat/ HP Board of School Education	<ul style="list-style-type: none">▪ In HP State Merit List

PERSONAL DETAILS

- Marital Status: Married
- Permanent Address: S/o Sh. Gur Dev Gupta
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