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| **Nishu kansal**  Assistant Professor  Guru Nanak Dev Engineering College, Ludhiana  An autonomous college u/s 2(f) & 12 (B) of UGC Act 1956  (Since 3rd Aug, 2015 till date) | Address:  #479, Block D, Guru Nanak Colony, Rajwaha Road.  Mobile: +91-7307227999  Email: [nishukansal25@gmail.com](mailto:nishukansal25@gmail.com) |

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| **Career Objective:** |

Looking for an opportunity to work in a creatively challenging environment and utilize my technical abilities and skills towards achieving the goals of the organization.

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| **Educational Qualifications:** |

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| **Education** | **Institution (Board/University)** | **Year** | **Percentage/CPI** |
| M.Tech | MNIT, Jaipur | 2013-15 | 8.67 |
| B.Tech | University College of Engineering, Patiala(Pbi Uni) | 2008-12 | 8.68 |
| 10+2 | Sh. Ram Arya Sen. Sec. School, Patiala(PSEB) | 2008 | 60.67% |
| 10th | Model Basic High School, Sunam(PSEB) | 2006 | 80.67% |

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| **Part Time Experience:** |

Working as a GATE faculty in EDA Academy, Sangrur.

Experience of teaching Gate syllabus to MNIT B.tech students.

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| **M.tech Dissertation Summary:** |

**Title:** Fabrication and Characterization of ZnO Thin Films by RF Sputtering and its Optical Application

**Tools Used:** Origin, Silvaco Software.

**Description:** We have deposited different types of thin films of ZnO on Glass and Silicon substrate by varying temperature, pressure etc. and did their characterization to measure its structural and optical properties. Various characterization techniques used are: X-ray diffraction, Atomic force microscope imaging, Field emission scanning electron microscope spectroscope, Transmission spectroscopy.

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| **M.tech Students Guided:** |

Number of M.Tech Students guided: 02(Completed), 01(Incomplete)

Broad Areas addressed in the thesis: A Novel Distance Efficient Power Aware Routing Protocol for MANET

An Optimized Lung Cancer Classification System for Computed Tomography Images

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| **Publication Details:** |

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| **Sr. No.** | **Name of Author(s)** | **Title of Paper** | **Name of Conference** | **Place of Conference** | **Date of Conference** | **National / International** |
| 1 | Amandeep Kaur, Jasmeet Kaur, Nishu kansal | D-EPAR: Distance-Efficient Power Aware Routing Protocol for MANETs | 2nd  International Conference on Next Generation Computing Technologies (NGCT-2016) | Dehradun, India | October 14-16, 2016 | International |
| 2 | Sheenam Rattan, Jaspreet Kaur, Nishu Kansal | Artificial Neural Network­Based System for Lung Nodules for Early Detection of Lung Cancer | International Conference on Soft Computing Applications in Wireless Communication  (SCAWC-2017) | Guru Nanak Dev Engineering College, Ludhiana, India | March 9-11, 2017 | International |
| 3 | Sheenam Rattan, Nishu Kansal,Jaspreet Kaur, Sumandeep Kaur | An Optimized Lung Cancer Classification System for Computed Tomography Images | 2017 Fourth International Conference on Image Information Processing(ICIIP -2017) | Jaypee University of Information Technology Waknaghat, District Solan, Near Shimla, Himachal Pradesh, INDIA | December 21 - 23, 2017 | International |

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| **S No.** | **Name of Author(s)** | **Title of Paper** | **Name of the Journal** | **Volume No. / Issue No./ Page numbers/ ISSN** | **Month, Year of Publication** | **National/ International** | **Refereed/ Non-Refereed** | **DOI** | **Indexing** | **Citations** |
| 1 | Amandeep Kaur, **Jasmeet Kaur, Nishu Kansal** | Performance Analysis of MANET Using Efficient Power Aware Routing Protocol (EPAR) | IOSR Journal of Electronics and Communication Enggineering (IOSR-JECE) | Special Issue- AETM'16, pp. 105-109, ISSN : 2278-2834 P-ISSN: 2278-8735 | 2016 | International | Refereed | [http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/R.ECE-153.pdf.](http://www.iosrjournals.org/iosr-jece/papers/Conf.15010/Volume%201/R.ECE-153.pdf) | NASA, Crossref, ANED, ARXIV.org | 0 |

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| **Internship:** |

* + Six months Training from **Central Scientific Instruments Organization (CSIO-CSIR), Chandigarh** under the supervision of **Chief Scientist Dr C. Ghanshyam** on **“Electrostatic Spray Deposition for Gas Sensor Applications”.**
  + Languages Used- Assembly, C.
  + Tool Used- Keil, Proteus, Orcad.

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| **Achievements/Awards:** |

* UGC Net qualified.
* Qualified GATE-2013(ECE) with 99.42 percentile.
* Qualified Gate 2014,2015,2016.
* Among top 5 students in M.tech as well as B.Tech.

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| **Position Of Responsibilities:** |

* Currently Coordinator of PG Diploma/ Certificate course at GNDEC, Ludhiana.
* In charge of handling Syllabus files for both B.Tech as well as M.Tech at GNDEC, Ludhiana.
* Organizing member of various FDP/STC held During period (Jan 2016 - Jan2018) at GNDEC, Ludhiana.
* Coordinator of counseling of CSAB and CCMT at MNIT, Jaipur.
* Member of Creativity Team in AAFREEN11.
* Event manager of Fine Arts in MASTIV 2.0(College Fest).
* Team Volunteer of Finance committee in JOUST (college Fest).
* Member of hostel Welfare committee in the year 2010-2011.

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| **Projects:** |

1. **Project 1:**

**Title:** Electrostatic Spray Deposition for Gas Sensor Applications

**Tool Used:** Keil, Proteus, Orcad

**Language:** Assembly, C

**Objective:** To Spray the Surface with Uniformity.

**Description:** Electronically control the base of the set up to maintain the uniformity of spray by running dc motors as per the data input through keypad and corresponding data to be displayed on LCD and various simulation tools.

1. **Project 2:**

**Title:** Alarm Monitoring.

**Description:** On the basis of various Alarms and congestion, temporarily dropped the data of blocking site to unblocked site in such a way that unblocking site does not get affected.

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| **Personal Skills:** |

* Comprehensive problem solving ability.
* Willingness to learn.
* Team facilitator.
* Hard worker.

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| **Hobbies:** |

* Cooking
* Playing Badminton
* Playing games

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| **Personal Details:** |

**Nationality:**  Indian.

**Date of Birth:** 30th Sept., 1990.

**Sex:**  Female

**Marital Status** Married

**Husband Name:** Dr Aakashdeep Garg

**Permanent Address** #479, Block D, Rajwaha road, Guru Nanak Colony

**Permanent Contact no.** 8054003382

*I hereby declare that all the information given is correct to the best of my knowledge.*

Date: April 4, 2018

Place: Ludhiana

(NISHU KANSAL)