




Faculty Details



Title	Dr.	First Name	Vishal	Last Name	Dhingra	Photograph
Designation		Associate Professor				
Address		Department of Electronics Acharya Narendra Dev College University of Delhi Govindpuri, Kalkaji New Delhi-110019				
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Educational Qualifications						
Degree		Institution				Year
Ph.D.		Department of Electronic Science, University of Delhi South Campus, New Delhi				2022
M.Sc. Electronics		Department of Electronic Science, University of Delhi South Campus, New Delhi				1998
B.Sc.(H) Electronics		Rajdhani College, University of Delhi, New Delhi				1996
Career Profile						
Associate Professor, Department of Electronics Working in Acharya Narendra Dev College since 1999						
Administrative Assignments						
Teacher-in-Charge, 2008-10, 2022-24 Member, Fellowship Programs and Awards Committee, 2020-22 Convenor, Canteen Committee, 2014-15 Member, Social Outreach Programs Committee, 2014-15 Convener, Proctorial Committee, 2006-08, 2010-12 Convener, Career Counselling Cell, 2010-12 Member Alumni Affairs Committee, 2008-10 Member Electronics Club, 2008-10 Member, Purchase Committee, IT Committee, 2007-08 Member of Committee for implementation of "Earn-While-Learn" scheme, 2007-08 Member, Examination Committee for conduct of Category-B examination, 2007 Staff Advisor to Student Council, 2006-08 Member, NSS & Social Outreach Committee, 2006-08 Convener, Placement Cell, 2006-08 Member, Purchase Committee, Department of Electronics, 2006-08 Co-Opted member, Annual Events Organising Committee, 2006-08						

Counselor for handling of various issues related to out-station students, 2006-07 Member, Annual Events Organising Committee, 2004-06 Convener, Intra college volleyball tournament, 2002-04
Areas of Interest / Specialization
Research Specialization in development of Graphene Oxide based gas sensors. Specialized in Circuit Theory, Power Electronics and Electrical Machines
Subjects Taught
<ol style="list-style-type: none"> 1. Power Electronics 2. Signals and Systems 3. Electrical Machines 4. Microprocessor 5. Network Analysis and Linear Active Circuits
Publications Profile
<ol style="list-style-type: none"> 1. Room temperature SO₂ and H₂ gas sensing using hydrothermally grown GO-ZnO nanorod composite films, Vishal Dhingra, Shani Kumar, Ravi Kumar, Amit Garg, and Arijit Chowdhuri, Mater. Res. Express 7 (2020) 065012; https://doi.org/10.1088/2053-1591/ab9ae7 2. Varying sonication conditions to tailor surface morphology of GO-ZnO nanorod composite films for enhanced gas sensing performance, Vishal Dhingra, Shani Kumar, Arijit Chowdhuri and Amit Garg, AIP Conference Proceedings 2369, 020109 (2021); https://doi.org/10.1063/5.0060996, Published by AIP Publishing. ISBN: 978-0-7354-1375-7 3. Investigating gas sensing mechanism of Graphene Oxide (GO) thin films through cross-selectivity to various gases - Shani Kumar, Vishal Dhingra, Amit Garg and Arijit Chowdhuri, AIP Conference Proceedings 1728, 020672 (2016); https://doi.org/10.1063/1.4946723, Published by AIP Publishing. ISBN: 978-0-7354-1375-7 4. Zinc oxide doped graphene oxide films for gas sensing applications - Chetna, Shani Kumar, A. Garg, Arijit Chowdhuri, Vishal Dhingra, S. Chaudhary, and A. Kapoor, AIP Conference Proceedings 1728, 020579 (2016); https://doi.org/10.1063/1.4946630, Published by AIP Publishing. ISBN: 978-0-7354-1375-7
Conference / Presentations /Workshops
<ol style="list-style-type: none"> 1. Graphene oxide (GO) thin films loaded with Cu and Ag nanoparticles for gas sensing applications- Vishal Dhingra, Shani Kumar, Amit Garg, Arijit Chowdhuri, International Conference on recent advances in nanoscience and nanotechnology (ICRANN), JNU, 19-20 Dec-2016, New Delhi 2. Gas Sensing characteristics of grapheme oxide loaded with nanocrystalline ZnO clusters, Shani Kumar, Vishal Dhingra, Amit Garg, Arijit Chowdhuri, International Conference on Recent Advances in Nanoscience and Nanotechnology-2014 (ICRANN-2014), 15-16 December 2014, JNU, New Delhi 3. Presented the Paper entitled “Innovating spectrometry studies at undergraduate level using a linear CCD array” in Optical Engineering + Applications (SPIE Optics + Photonics), 21–25 August 2011, San Diego Convention Center, San Diego, California, USA

4. Innovations through computer interfacing in the undergraduate laboratory” in Asian Symposium-2006 held on 28-30 Nov 2006 in Singapore

5. Resource Person in “Electrowork 2006”- a workshop organized by Department of Electronics, Acharya Narendra Dev College on 7-8 July 2006

Research Projects (Major Grants/Research Collaboration)

Co-Investigator of UGC Major Research Project “Investigating Science Hands-on to Promote Innovation and Research at the Under-graduate Level” of three year duration for Rs. 10,54,300/- completed in March-2012