



BHAGINI NIVEDITA COLLEGE (UNIVERSITY OF DELHI)
Kair, Near Najafgarh, New Delhi - 110043
Faculty Details proforma for College Web-site

Title	Dr.	First Name	PRIYANKA	Last Name	MALIK	
Designation						
Address		F2, FOURTH FLOOR, JINDAL GLOBAL CITY, SONIPAT, HARYANA-131001				
Phone No	Office					
	Residence Mobile	8802054418				
Email						
Web-Page						
Educational Qualifications						
Degree	Institution				Year	
Ph.D. ELECTRONIC SCIENCE	UNIVERSITY OF DELHI				2013	
M.Sc. PHYSICS	UNIVERSITY OF DELHI				2007	
B.Sc. PHYSICS HONS.	UNIVERSITY OF DELHI				2005	
Career Profile						
Administrative Assignments						
Areas of Interest / Specialization						
ELECTRONICS & PHYSICS						
Subjects Taught						
MECHANICS, ELECTRICITY AND MAGNETISM, QUANTUM MECHANICS, MICROPROCESSOR, THERMAL PHYSICS						
Time table of the subjects taught during the current semester						
S.No.	Subject	Days	Time	Classroom		
1	Electricity & magnetism Th.	Tuesday	11:00am-2:00pm	22		
2	Thermal Physics Th.	Wednesday	12:00 noon-2:pm	22		
3	Electricity & magnetism Lab	Thursday	9:00 am-11:am	Phy. Lab		



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4	Wave & Optics Lab	Thursday Friday	11:00am-1:00pm 11:00am-1:00pm	Phy. Lab
5	Electricity & magnetism Lab	Friday	9:00am-11:00am	Phy lab
6	Prospecting E-Waste & Management	Saturday	11:00am-1:00pm	Phy lab
Research Guidance				
NA				
Publications Profile				
1) Priyanka Malik, R.S.Gupta, Rishu Chaujar and Mridula Gupta “AC Analysis of nanoscale GME-TRC MOSFET for Microwave and RF Applications”, Microelectronics Reliability 52 (2012) 151 158. (First Author). DOI: https://doi.org/10.1016/j.microrel.2011.07.070 2) Priyanka Malik, Sona P. Kumar, Rishu Chaujar, Mridula Gupta and R.S.Gupta, “GATE MATERIAL ENGINEERED-TRAPEZOIDAL RECESSED CHANNEL MOSFET FOR HIGH-PERFORMANCE ANALOG AND RF APPLICATIONS”, Microwave and Optical Technology Letters, Vol.52, No.3, pp. 694-698, March 2010. DOI: https://doi.org/10.1002/MOP.25012 3) Priyanka Malik, R.S.Gupta, Rishu Chaujar and Mridula Gupta, “Linearity-Distortion analysis of GME-TRC MOSFET for High Performance and Wireless Applications”, Journal of Semiconductor Technology 10.5573/JSTS.2011.11.3.169 4) Priyanka Malik, Rishu Chaujar, Mridula Gupta and R.S.Gupta, “Physics based Threshold Voltage Analysis of Gate Material Engineered Trapezoidal Recessed Channel (GME-TRC) Nanoscale MOSFET and its multilayered gate architecture”, International Journal of Microwave and Optical Technology, Vol.5, No.6, pp.361-368. Nov. 2010. LINK: chromeextension://efaidnbmninnibpcapjpcglclefindmkaj/https://www.ijmot.com/ijmot/uploaded/Lstretgxfhtu.pdf 5) Priyanka Malik, Mridula Gupta and R.S.Gupta, “ Linearity analysis of GME-TRC MOSFET Using SiO₂ as a gate Insulator at high temperature, Advanced Materials Research, Vol. 685, pp. 207-210, 2013. DOI: 10.5573/JSTS.2011.11.3.169 6) Priyanka Malik, Rishu Chaujar, Mridula Gupta and R.S.Gupta, “Two-dimensional analytical drain current model for Multilayered-Gate Material Engineered Trapezoidal Recessed Channel (MLGME-TRC) MOSFET: a novel design”, World Academy of Science, Engineering and Technology, No.64, pp. 472-476, 2010. LINK: https://www.researchgate.net/publication/289440409_Two-dimensional_analytical_drain_current_model_for_multilayeredgate_material_engineered_trapezoidal_recessed_channel_MLGME-TRC_MOSFET_A_novel_design				
Publications in the Last one year				



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NA
Conference Organization/ Presentations (in the last three years)
Organized and participated in International Conference & workshop on Addressing antibiotics Abuse in Community using Bio sensing Technique held on 25th -27th August 2023, at Bhagini Nivedita College, University of Delhi, India, In collaboration with ULSTER UNIVERSITY and Nano LatticeX, in association with Institute of Life Long Learning, University of Delhi, Sponsored by British Council.
Research Projects (Major Grants/Research Collaboration)
NA
Awards and Distinctions
NA
Association With Professional Bodies
NA
Other Activities
1.CONVENER OF ECO CLUB, MEMBER OF ADMISSION COMMITTEE, 2.Coordinator of Awareness and programme and lecture on E-waste startup held on 26th April 2024, at Bhagini Nivedita College, University of Delhi, India. 3.Coordinator of SKILL WORKSHOP SERIES PART-1 ON “EMERGING JOB TRENDS IN IT INDUSTRY” held on 5th April 2024, at Bhagini Nivedita College, University of Delhi, India. 4.Coordinator of E-waste collection drive, held on 15th – 18th April 2024, at Bhagini Nivedita College, University of Delhi, India. 5.Participated in talk on “New Criminal Laws” held on 27th June 2024, organized by Janki Devi memorial College, University of Delhi, India. 6.Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "THEORETICAL AND PRACTICAL ASPECTS IN APPLIED PHYSICS" from 24/09/2021 to 28/09/2021 at Radha Govind Group of Institutions Meerut. 7.Participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Photonics" from 2020-11-2 to 2020-11-6 at GURU JAMBHESHWAR UNIVERSITY OF SCIENCE AND TECHNOLOGY, HISAR. 8.National Webinar on “Obesity and Management” jointly organised by Department of Physical Education (BCAS) & Indira Gandhi Institute of Physical Education and Sports Sciences (University of Delhi) on 29th May 2020 through Google Meet. 9.Participated workshop on “VLSI TCAD for Device research and Development” held on 12 & 13, March, 2010. 10. Participated workshop on “Compact Modelling and Fabrication Techniques of Advance MOSFET/ HEMT Structures”, held on June 4-5, 2009. 11. Participated workshop on “Recent Trends in Semiconductor Devices and Technology”, held on February, 12-13, 2010. 12. National Webinar on “Preventative healthcare diagnostic platforms based on Micro-Nanotechnologies” Organised by Department of Science, Lady Irwin College on 30th May, 2020. 13. Technical talk (Webinar) on “Endofullerenes: Nano-scale test tubes for single molecules and atoms” organised by The National Academy of Sciences, India (NASI) - Delhi Chapter- & MHRD-



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Institution Innovation Council (IIC) Deen Dayal Upadhyaya College Chapter on June 8, 2020.

14. BCAS Silver Jubilee International Webinar Series on "Technological Trends for the next Generation" organized by Department of Electronics on June 1- 5, 2020.

15. National Webinar on "Enhancing Research Interest of Research Publications" Organised by IQAC Maharaja Agrasen College on June 3, 2020.

16. National Webinar on "An analysing of opting old tax rates regime for financial year 2020-21" Organised by IQAC Maharaja Agrasen College on June 2, 2020.

17. Webinar on "Commodity Training" by NCDEX Institute of commodity & market research (NICR) and center for skill development & IQAC, SHYAM LAL COLLEGE, University of Delhi, held on June 6, 2020.

18. webinar on Impact of the "Pandemic on the Metropolitan Middle-Class Indian Woman" organized by IQAC and the Department of English, Jesus and Mary College, University of Delhi, India on June 12, 2020.

19. Webinar conducted by Dept. of Electronics & Communication Engineering, Graphic Era (Deemed to be University), Dehradun in association with Jyoti Electronics, Ahmedabad, on the topic "Antenna Designing and Troubleshooting using CST Studio Suite", on June 16-17, 2020.

20. National Webinar on 'Covid-19 and its Impact on Education', organized by the Department of Economics, organised by Satyawati College, University of Delhi, on 28th May, 2020.

21. National Webinar on "Flow inside the Sun" organized by The National Academy of Sciences, India (NASI) - Delhi Chapter- & MHRD-Institution Innovation Council (IIC) Deen Dayal Upadhyaya College Chapter on July 09, 2020.

22. National webinar on topic "AGRICULTURE MARKETING REFORMS IN THE CONTEXT OF CENTRE STATE RELATIONS" organized by ARSD College, Dhaula kuan, New Delhi held on 03rd July, 2020.

23. Online Lecture on "Magnetism and Matter" jointly organised by Indian Association of Physics Teachers and Delhi state science teachers on August 1, 2020.

24. Food-Planet-Health webinar to support animal rights and compassionate living held on October 4, 2020.

25. IEEE Electron Devices Society DL Mini Colloquium (Virtual) on "Emerging Nano Devices and Circuits – The Roadmap Ahead" held during October 05- 09, 2020.

26. Webinar on "Mental Health Awareness" organized RESEARCH CELL, NSS & DRAMATIC SOCIETY, Bhagini Nivedita College on October 10, 2020.

27. Webinar on "Fundamentals and Applications of Physics" participation in the talk titled "Looking for black holes", held on October 31, 2020, organized by Department of Physics, Shaheed Rajguru College of Applied Sciences for Women (University of Delhi), New Delhi.

28. Short term certification programme on "Inflection point in digital Transformation- Impact on Carrer prospects in Post covid era" jointly organised by IMS Ghaziabad and Bhagini Nivedita College held on December 23, 2020.

29. Three days Online National Workshop on "Challenges of teaching Physics laboratory courses in and online Mode" organised by Kalindi College, Department of Physics and Astrophysics, University of Delhi The national Inia, Delhi chapter on 23-25 January, 2021.

Priyanka Malik
Signature of Faculty Member

- You are also requested to also give your complete resume as a DOC or PDF file to be attached as a link on your faculty page.



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