



Faculty Details proforma for College Web-site



Title	Dr	First Name	Meenu	Last Name	Mohil	Photograph
Designation	Associate Professor					
Address	Acharya Narendra Dev College (University of Delhi), Govind Puri, Kalkaji, New Delhi – 110 019 INDIA Phone No Office +91 - 26294542, +9					
Phone No Office	011-26294542					
Email/ Web-Page	meenumohil@andc.du.ac.in					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	Department of Physics & Astrophysics, University of Delhi				2002	
MSc	Hansraj College, University of Delhi				1996	
BSc	Hansraj College, University of Delhi				1994	
Career Profile						
<p>She is very enthusiastic and dedicated teacher having more than 25 years of experience in field of higher education. She holds Ph.D. in Theoretical High Energy Physics from Department of Physics, University of Delhi. She specializes in core areas of Electromagnetism, Electromagnetic Theory and Advanced Mathematical Physics. She is an active member of committee of courses constituted by Department of Physics, University of Delhi for framing the structure and syllabus of B.Sc. (Hon.) Physics and Programs courses under National Education policy (NEP) framework 2022.</p>						
Administrative Assignments						
TIC Physics (2006-07) PME TIC (2013-14, 2014-16) Member of mentorship and counselling committee (2022-24) Member of Examination Committee (2020-22) Member of Mentorship and Counselling Committee (2018-20, 2020-22) Member of library committee (2018-20) Member of Sports committee (2016-18)						

<p>Convenor of Remedial Coaching committee (2016-18)</p> <p>Member of Canteen committee (2014-16)</p> <p>Member of Editorial committee (2014-16)</p> <p>Member of Examination committee (2012-14)</p> <p>Convenor of Fellowship committee (2010-12)</p> <p>Member of Garden committee (2010-12)</p> <p>Convenor of Help desk committee (2010-11, 2011-12)</p> <p>Convenor- Physics Society (2008-10)</p> <p>Member of Spic Macay committee (2008-10)</p> <p>Member of “Paritantra” Environment society (2006-08)</p> <p>Member of Workload and time-table committee (2006-07)</p> <p>Member of purchase committee (2006-07)</p> <p>Member of library committee (2006-07)</p> <p>Member of Annual Events Committee (2005-2006)</p> <p>Member of Alumni Affairs committee (2004-06)</p> <p>Member of Social outreach committee (2004-06)</p> <p>Member of Women students Affairs committee “Sashakt” (2003-05)</p> <p>Member of college brochure committee (2003-04)</p> <p>Member of Annual Events Management Group (2002-04)</p> <p>Member of Assessment Academic Performance Committee (2002-04)</p> <p>Convenor of Physics Society (2003-04, 2004-05)</p> <p>Member of Social outreach committee (2005-06)</p> <p>Councilor in Physics for B.Sc. courses of IGNOU in Acharya Narendra Dev College in 1999-2000 and 2000-01.</p>
Areas of Interest / Specialization
<p>Quark gluon plasma</p> <p>Phase transition in early universe</p>
Subjects Taught
<p>Electricity and Magnetism</p> <p>Electromagnetic theory</p> <p>Advanced Mathematical Physics</p> <p>Linear Algebra</p> <p>Python Programming</p>
Research Guidance
Publications Profile

1. "Chiral Symmetry in Linear Sigma Model in Magnetic Environment" by Ashok Goyal, Meenu Dahiya, *Phys. Rev. D* **62**, 025022 (2000).
2. "NJL model in four Dimensions at Finite Temperature, Chemical Potential and Curvature" with Ashok Goyal, Meenu Dahiya *J. Phys. G: Nucl. Part. Phys.* **27** (2001)
3. "Chiral Symmetry Restoration in Linear Sigma Model" by Ashok Goyal, Meenu Dahiya, *ICGC-2000, Pramana – J.Phys.* **55.597** (2000).
4. "Symmetry Structure and Phase Transition" by Ashok Goyal, Meenu Dahiya and Deepak Chandra In *Pramana – J.Phys.* **60**, 887(2003)

Conference / Presentations /Workshops

Participation in Conference/Refresher course

1. Refresher course on "Computer Application" organized by CPDHE, ILL, University of Delhi held from Feb 17, 2006 to Mar 9, 2006.
2. Refresher course on "Physics and Electronics" organized by CPDHE, ILL, University of Delhi held from January 9, 2008 to January 30, 2008.
3. Orientation course organized by CPDHE, New Delhi held from Dec19, 2005 to Jan 16, 2006.
4. Talk presented on "Phase Transition in Neutron Stars in Nambu-Jona-Lasinio Model" at 4th ICPAQGP held at Jaipur during November 26-30, 2001.
5. Talk presented on "Symmetry Structure and Phase Transition" at 4th ICPAQGP held at Jaipur during November' 26-30, 2001.
6. Presented a talk on Astro-particle Physics in International Conference on Gravitation Cosmology (ICGC-2000) held at IIT, Kharagpur in January'2000
7. Talk presented on "Chiral Symmetry Restoration in Linear Sigma Model" by Meenu Dahiya at the **International Conference on Gravitation and Cosmology**, I.I.T. Kharagpur in Jan 4-7, 2000.
8. Attended workshop titled "**New Direction in Physics Education Research: Implications for teaching college Physics**" held in May 3-8,1999 in Department of Physics and Astrophysics, University of Delhi, Delhi.
9. Official visitor to **Mehta Research Institute (MRI)** for research work from 7th July'1999 to 14th July'1999.
10. Official visitor to **IUCCA, Pune** for Research and Computational purpose from 8th June'1998 to 7th July'1998.
11. Participated in **XIII SERC Prep School in Theoretical High Energy Physics** held at SGTB Khalsa College, University of Delhi, Delhi from 24th September'1997 to 18th October'1997.

Participation in Faculty development Programs/workshop

1. Participated in "**International symposium on Nuclear Energy Solution and future aspects (ISNESFA-2023)**" organized on 16-17 March, 2023 by Hansraj college, University of Delhi and School of Physical Sciences, Jawaharlal Nehru University.
2. Attended one-week Online FDP "**Python: Essentials, Programming and Analytics**" held from October 27- November 3, 2022 organized by University of Delhi and Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi.

3. Attended One Week Online Interdisciplinary Faculty Development Program on 'Personal Financial Planning and E-Filing of Income Tax Returns' organized by Sri Aurobindo college in collaboration with Hansraj College, University of Delhi from 2-8 September, 2021.
4. Attended one-week International Faculty development Program on "Advanced Linear Algebra" organized by Miranda House, University of Delhi in collaboration with Hansraj college from 27 September-1 October, 2021.
5. Attended six days online workshop "**A First Step Towards Developing Virtual Lab Using Mern Stack**" organized by Acharya Narendra Dev college from 9-24 October, 2021.
6. Attended three days online workshop on "**Programming and Software Tools For UG Courses**" on March 19-21, 2021 organized by Department of Physics and Electronics, Rajdhani College, University of Delhi.
7. Attended one week online Faculty Training Program on "**Pedagogical Training for Effective online Teaching and learning**" organized by Deen Dayal Upadhyaya college (University of Delhi) and K.T.H.M college, Nashik on August 3-10, 2020.
8. Attended workshop on Research based modeling using COMSOL Multiphysics on February 25, 2014 organized by Department of Physics, Rajdhani college, University of Delhi-110015.
9. Attended one week workshop on "**Innovative Experiments**" on September 6-11, 2010 held at Inter-University Accelerator Centre, New Delhi.
10. Attended National symposium titled Indian Physics and Mega projects: research on the frontiers held at Miranda House, University of Delhi on February 2-3, 2009.
11. Attended workshop on Open Educational Resources, "**wikied 2008**" held at Acharya Narendra Dev College in collaboration with Gandhi Bhawan, University of Delhi on 3,4 & 6 October 2008.
12. Attended one Day workshop on Teachers Day September 5, 2005 held at Inter-University Accelerator Centre, New Delhi.
13. Attended workshop titled "**New Direction in Physics Education Research: Implications for teaching college Physics**" held in May 3-8, 1999 in Department of Physics and Astrophysics, University of Delhi, Delhi.

Participation in Webinar

1. "Security aspects of virtual world", organized by IQAC, Sri Aurobindo college on 7 May, 2020.
2. "Constructive Living and Education in the times of corona crises" organized by Shivaji college on 13 May, 2020.
3. "Mind-Body Medicine: In Present Scenario of Covid" organized by Sri Aurobindo college on 22 May, 2020.

4. "Covid-19: Truths and Myths" organized by Acharya Narendra Dev College on 9 June, 2020.
5. "Century of Quantum Mechanics and Still Going Strong" jointly organized by Faculty of Technology and Engineering, The Maharaja Sayajirao University of Baroda (MSUB), Gujarat Science Academy (GSA), Indian Physics Association (IPA) Baroda Chapter and Indian Association of Physics Teachers (IAPT-RC7) in association with National Academy of Sciences, India (NASI) Delhi Chapter held during 15 – 17 June 2020.
6. "An Analysis of opting old Tax rates Regime for Financial Year 2020-21" organized by IQAC, Maharaja Agrasen college on June 2, 2020.

Research Projects (Major Grants/Research Collaboration)

Awards and Distinctions

1. Qualified the **National Eligibility Test (N.E.T.)** conducted by CSIR, UGC in the year **1996** and was awarded CSIR Fellowship
2. Qualified **GATE'1997** in Physics

Association With Professional Bodies

Other Activities

- 1 Organized Science Quest – 2000 (UGC sponsored) in Acharya Narendra Dev College and involved in preparing the in-house team. Acharya Narendra Dev College stood third amongst all the colleges of university of Delhi in this competition.
- 2 Convenor of "Chess Tournament" in Acharya Narendra Dev College during 1998-99 and 1999-00.
- 3 Election Officer in Students union election in Acharya Narendra Dev College during 2000-01.
- 4 Councilor in Physics for B.Sc. courses of IGNOU in Acharya Narendra Dev College in 1999-2000 and 2000-01.
- 5 Actively involved in reviving the Physics Society in the college and the same was renamed as "Physentropy". Worked as a student coordinator and guided the students in organizing one day physics festival in college. Was Convener for the same during 2002-03, 2003-04, 2004-05 and 2008-10.
- 6 As an active NSS Committee member (2005-06) successfully organized the blood donation camp in college campus this year. Also organized civil defense training for college students during autumn break.

Signature of Faculty Member

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