



Shivaji College Faculty Details Proforma

Title	Dr.	First Name	Neeti	Last Name	Goel	Photograph
Designation		Assistant Professor				
Address		I-4/56, Sector-16, Rohini, Delhi-89				
Office Phone No.						
Residence		9958692596				
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Web-Page						
Educational Qualifications		PhD(Physics)				
Degree		University/Institute				Year
Ph.D.		Department of physics and Astrophysics, University of Delhi				2013
M.Phil./M.Tech.		---				--
PG		Hindu College, University of Delhi				2009
UG		Hindu College, University of Delhi				2007
Any Other Qualification		CSIR-JRF				2009

Career Profile

- Working as an Assistant Professor (Permanent) in Shivaji College, University of Delhi, New Delhi from Nov 22, 2023 onwards.
- Worked as an Assistant Professor (Adhoc) in Shivaji College, University of Delhi, New Delhi from 24 July 2013 to Nov 21, 2023.
- Worked as an Assistant Professor (Adhoc) in Matreyi College, University of Delhi, New Delhi from January 2023-April 2023.

Administrative Assignments**Serving as:**

- Member, Skill Development centre, Shivaji College
- Member, Incubation centre under Udmodya Committee
- Member, Purchase Committee
- Member, Environment and Sustainability Committee
- Member, Library Committee
- Co-Coordinator of IIRS-ISRO Outreach Programme

Also Served as:

- Deputy Superintendent Theory Examination from May 2024–Dec 2025
- Member, National Ranking Committee from Dec 2023–June 2026
- Member, Add-On Course Committee from May 2024-April 2026,
- Member, Vidya Vistar Scheme from May 2022-April 2024
- Member, Remedial Cell from May 2022-April 2024
- Course Coordinator of Add-On course on “Javascript” in collaboration with spoken tutorial, IIT Bombay
- Convener and Resource Person of Add-on Course entitled “LaTeX for Academic Writing” offered by the Department of Physics from March–May 2024

Areas of Interest/Specialisation

Crystal growth and its Characterizations
Single Crystal

Subjects Taught

Solid State Physics
Elements of modern Physics
Electricity and Magnetism
Mathematical Physics -1
Physics of Devices and Communication
Thermal Physics
Mechanics

Innovation Project/Research Projects (Major Grants/Research Collaboration)

Principal Investigator of Minor Research Intramural Project, Shivaji College, entitled “**Doping of Herbal Extracts in Semi-organic crystals: Experimental and Computational Investigation**”

Publications Profile (Research Papers/Books)

- “Optical, dielectric and thermal properties of Zn-doped sodium hydrogen phthalate single crystals” **Neeti Goel**, Nidhi Sinha and Binay Kumar, Optical materials 35 (2013) 479-486.
- “Remarkable Enhancement in optical and thermal properties of sodium hydrogen phthalate crystals due to Fe³⁺ doping” **Neeti Goel** and Binay Kumar, J. Crystal Growth 361(2012) 44-50.
- “Crystal growth, optical, mechanical and electrical properties of Inorganic material: Sodium tetraborate decahydrate” **Neeti Goel**, Nidhi Sinha and Binay Kumar, Mat. Res. Bull. 48 (2013) 1632-1632.
- “Effect of zinc chloride on structural, optical and dielectric behaviour of solution grown anthracene crystal” Nidhi Sinha, M. K. Gupta, **Neeti Goel**, Binay Kumar, Physica B, 406 (2011) 3206–3209.
- “Enhancement in ferroelectric, pyroelectric and photoluminescence properties in dye doped TGS crystals” Nidhi Sinha, **Neeti Goel**, B.K. Singh, M.K. Gupta, Binay Kumar, Journal of Solid State Chemistry, 190 (2012)180-185.

Conference/Seminar/Faculty Development Programme/Workshop

Participation in Orientation/Refresher course/Workshop

- completed Online Faculty Development Program/Short Term Course on "**Indian Knowledge System: focusing on Philosophy, Science, Technology, and Traditional Medicine**" under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) Organized by “MM-TTC : Ramanujan College, Delhi” In collaboration with Shivaji College, University of Delhi from **18th August, 2025 – 23rd August, 2025**
- completed the One Week Faculty Development Programme (Online Mode) on “**Skill Augmentation in Teaching & Research through AI**” (17th – 22nd November, 2025) under Malaviya Mission Teacher Training Programme (MMTTP) of University Grants Commission (UGC) organized by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Department of Commerce, Shivaji College, University of Delhi
- completed Two Weeks Online Training Programme on “**NEP 2020 Orientation & Sensitization Programme**” (**September 18, 2024 – September 28, 2024**) under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission(UGC) organised by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi in collaboration with Shivaji College, University of Delhi
- Participated in the International Conference on "**Indigenous Knowledge Systems and Sustainable Development**", organised by Shaikshik Foundation in collaboration with Shivaji College, University of Delhi, India, March 9-10, 2025
- completed national level Faculty Development Program on “**PROGRAMMING USING PYTHON**” organized by Hindu College in collaboration with Spoken Tutorial, IIT Bombay from **July 22, 2024 to August 2, 2024** and successfully passed the FDP exam conducted by ST, IIT Bombay on **September 7, 2024**
- completed one week Faculty Development Program (FDP) on “**Functional Materials for Sustainable Development**” Organized by Department of Chemistry & Physics Netaji Subhas University of Technology (NSUT), Dwarka, New-Delhi, 110078, India during 27 - 31 January, 2025
- Participated in “National Conference on Progress in Photovoltaics” held at SHARDA UNIVERSITY, Noida.

- Participated in “3rd International Conference on Current Development in Atomic, Molecular, Optical and Nano Physics with applications” held at Delhi University.
- Participated in “International Conference and Workshop on Nanostructured Ceramics and other Nanomaterials” held at University Of Delhi.
- “Design and Development of solution growth set up with top seeded bidirectional rotation technique (TSBRT)” by Neeti Goel and Binay Kumar, 14th National Seminar on Crystal Growth, VIT, Chennai, 2010
- Participated in the Faculty Development Program on “**Applied Physics and Embedded System Design**” held at Rajdhani College in December 2017.
- Participated in international “**e-conference on Advance functional materials and optoelectronic devices**” organized by ceter for renewable energy in June 2021
- Participated in a webinar on “**Experimental and computational tools for material research**” in June 2021 by Discipline of natural science, Department of Physics, Central University of Rajasthan.
- Participated in 1 week International online faculty development programme on “**Materials characterization: Experimental and theoretical aspects**” organized by Hansraj college, Delhi University in September 2021.
- Participated in National workshop on “**Challenge of teaching Physics Laboratory Course in Online mode**” organized by Kalindi College, University of Delhi from 23rd - 25th January 2021.
- Participated in Teacher’s Summit Organised by Vidya Bharati Uchcha Shiksha Sansthan held at AICTE Auditorium, New Delhi on 04 November, 2023.
- Participated in the Inaugural Ceremony of Faculty induction Programme “**NEP 2020: PEDAGOGICAL IMPERATIVES ON HIGHER EDUCATION**” organized by University of Delhi on December 01,2023.
- Participated in One Week Online (Interdisciplinary) Faculty Development Programme on “**Dimensions of Research: From Literature Review to Data Analysis**” (04th – 09th December, 2023) organised by Shivaji College, University of Delhi in collaboration with Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi.
- Participated in two Weeks Online Training Programme on “**NEP 2020 Orientation & Sensitization Programme**” (16th December, 2023 – 30th December, 2023) under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) organised by Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College, University of Delhi.
- Participated in 4-Week Faculty Induction/Orientation Programme for “**Faculty in Universities/Colleges/Institutes of Higher Education**” from 22 January – 20 February, 2024 and obtained Grade A+.
- Participated in International Conference on “**Resurgent on the Global Canvas**” organised by Shaikshik Foundation in collaboration with NCPSL & Shivaji College, University of Delhi during 25-26 February, 2024.
- Attended lecture in “**Rashtrapati Bhavan Vimarsh Shrinkhala**” by Shri S. Somanath Secretary, DoS and Chairman, ISRO, under India’s Space Achievements: Story of ISRO on 14th December 2023.

Coordinator/Convener/Resource person/Member

- Organising Secretary, International Conference on “Emerging Frontiers in Sustainable, Functional, and Advanced Materials (IC-SFAM 2026)”, April 9–10, 2026.
- Served as Judge/Evaluator at the **CBSE Regional Science Exhibition 2025**, evaluating 167 student exhibits from 98 schools held on 18–19 November 2025, and providing expert assessment and constructive feedback to promote scientific innovation and excellence
- Served as Resource Person in the Two-Day Skill Enhancement Workshop on “**AI & ICT Skills**” organized by IQAC and the Skill Development Centre, Shivaji College, University of Delhi (5–6 February 2026)
- Resource Person for the Add-on Course on “**Guide of Material Characterization Techniques**” conducted by the Department of Physics, Shivaji College, University of Delhi (21 August–27 September 2025)
- Course Coordinator of Add-On course on “**Javascript**” in collaboration with spoken tutorial, IIT Bombay
- Convener and Resource Person of Add-on Course entitled “**LaTeX for Academic Writing**” offered by the Department of Physics from March–May 2024
- Member of organizing committee at National conference on **NANOWORLD** at Shivaji College, DU on 12-13 April 2018.
- Resource person at INSPIRE camp Dec 2016.
- Resource person and member of 4-day capacity building program on research methodology by Vidya Vistar scheme in August 2021.

Research Guidance (Supervision of Doctoral Thesis/Dissertations)

Guided a 4th-year B.Sc. dissertation student on the research topic “**Influence of Eco-Friendly Capping Agents on the Structural and Electrical Properties of Green-Synthesized ZnO Nanoparticles.**”

Awards and Distinctions

CSIR -JRF and SRF

Other Academic Activities

1. Member of organizing committee of physics society, Shivaji College annual fest “**TECH-INVENIO**” from 2014-till date.
2. Organizing member in Lecture “Semiconductor Opto-Electronic Devices : A Perspective” by Prof. M. R. Shenoy, IIT Delhi, Shivaji College in Oct 2017.
3. Member of organizing committee of physics society, Shivaji College annual Workshop “**SPECTRUM**” in 2018.
4. Member of organizing committee of physics society, Shivaji College annual Workshop “**PRATIBIMBM**” in 2017.
5. Participated in a program “**An afternoon with Sunita Williams**” in 2016 at Department of Physics and Astrophysics, University of Delhi.
6. Member of organizing committee in International Webinar on Recent trends in Material Sciences, Organised by Department of Physics, Shivaji College, on October 10, 2020.
7. Member of organizing committee in International Webinar on Era of Optical clocks,

Organised by Department of Physics, Shivaji College, on December 4, 2020.

8. Member of organizing committee in 4day capacity building on “Research Methodology” under aegis of Vidya Vistar Scheme from August 26-29, 2021.
9. Member of organizing committee in Webinar on “Role of IQAC in Accreditation Framework of NAAC” on September 21, 2021.



Signature of Faculty Member