




## Shivaji College Faculty Details Proforma

<b>Title</b>		<b>First Name</b>		<b>Last Name</b>		<b>Photograph</b>
<b>Dr.</b>		<b>SHIV SHANKAR</b>		<b>GAUR</b>		
<b>Designation</b>	Assistant Professor					
<b>Address</b>	G137 F1 ,DILSHAD COLONY DELHI-110095.					
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<b>Educational Qualifications</b>						
<b>Degree</b>	<b>University/Institute</b>				<b>Year</b>	
<b>Ph.D.</b>	University of Delhi				2007	
<b>M.Phil./M.Tech.</b>						
<b>PG</b>	Agra University				1993	
<b>UG</b>	Agra University				1991	
<b>Any Other Qualification</b>	M.Sc. (Process Instrumentation) from Roorkee University				1996	
<b>Career Profile</b>						
<p>To work a challenging and dynamic environment to keep adding value to myself and simultaneously contribute to the growth and success of the organization or institute.</p>						

**Administrative Assignments**

**Areas of Interest/Specialisation**

- Physics /Mathematical Physics and Computational Physics

**Subjects Taught**

- Mathematical Physics
- Mechanics
- Electricity and Magnetism
- Electromagnetic theory
- Thermal Physics
- Statistical Mechanics
- Waves and Optics
- Superconductivity
- Solid state Physics
- Quantum mechanics
- Classical mechanics
- Atomic and Molecular physics
- Nuclear physics
- Electronics and Digital Electronics

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

**Publications Profile (Research Papers/Books)**

1. Dye-doped polymeric waveguides for Integrated Optics, Shiv Shankar Gaur, Karuna Ghawana, V K Sharma and K N Tripathi, Journal of Optics A: Pure and Applied Optics, Vol 6, PP 312-314, (2004)
2. Waveguiding properties of HNR-80 and HNR-120 photoresist films by prism coupling method, Shiv Shankar Gaur, Amit Pratap Singh, Avinashi Kapoor, and K. N. Tripathi, Optical Engineering, Vol. 43, PP 2129-2133, (2004).
3. Fabrication and characterization of dye-doped polymeric mode filter, Shiv Shankar Gaur, Karuna Ghawana and K. N. Tripathi, Optical and Quantum Electronics, Vol 37,9, PP 805-812(2005)
4. Waveguiding properties in SC 450 negative photoresist films Shiv Shankar Gaur, Amit Pratap Singh, Avinashi Kapoor, and K. N. Tripathi, Optical Engineering, (2005) Vol 44, PP 124601-124604 (2005).
5. Characterization of ammonium dichromate doped PVA films based waveguides Poonam Vashistha Shiv Shankar Gaur and K. N. Tripathi, Optical and Quantum Electronics, Vol 39,9, PP 717- 721(2007)
6. Electrochemical Sensitive Determination of Nanomolar Guanine from ZnO Nanorods Coated on Platinum Electrode Sanjeev K. Sharma, Narinder Kaur, Jasminder Singh, S. Sankar S. S. Gaur, Sejoon Lee, Deuk Young Kim, Narinder Singh, and Harpreet Singh [Electroanalysis](#) **Volume 27, Issue 11**, pages 2537–2543, November 2015

**Conference/Seminar/Faculty Development Programme/Workshop**

- Participated in one day workshop on **Astrophysics cosmology and Computation** organized by department of Physics Shivaji College on 12th February 2016.
- Participated in one day workshop organized by department of Physics Shivaji College on 31st January 2017.
- Organizing committee member of National Conference on Current and Future Perspectives in Nanotechnology “ **Nanoworld-2018**” organized by Department of Physics Shivaji College (**University of Delhi**).
- Participated as an Organizer of annual departmental fest INVENIO two days held in Shivaji College University of Delhi on 30 and 31 March, 2017.
- As a resource person in inspire science camp held from 13.12.2015 to 19.12.2015 at Shivaji College, conducted by Department of Science and Technology **DST**.

**Research Guidance (Supervision of Doctoral Thesis/Dissertations)**

**Awards and Distinctions**

**Memberships**

**Semiconductor society of india**  
**Associate members of institute of engineers**

**Other Academic Activities**

- A certificate course in **MATLAB** with **Numerical Techniques** in **PHYSICS & MATHEMATICS** from an ISO 9001:2008 certified company.
- **SCILAB** programming & Numerical Techniques .
- **MATHEMATICA** programing
- A certificate course in **MS-Word ,MS-Excel ,MS-Dos PowerPoint Internet Explorer and Email** etc. from **University of Delhi**.
- **PASCAL** Programming through Physics.
- **C, C+ and C++** programming through Physics.

**Cultural/Extracurricular Activities**

Took part in different committees of the college such as discipline committee ,college development committee and physics society NAAC committee etc.

**Signature of Faculty Member**