




## Shivaji College Faculty Details Proforma

Title	Dr.	First Name	SHILPI	Last Name	VERMA	Photograph
<b>Designation</b>	Assistant Professor					
<b>Address</b>	10/802, East End Apartments, Mayur Vihar Phase 1, Ext. Delhi -110096					
<b>Office Phone No.</b>	011-25116644					
<b>Residence</b>	011-45095701					
<b>Mobile</b>	9899129886					
<b>Email</b>	vermashilpi@yahoo.com					
<b>Web-Page</b>						
<b>Educational Qualifications</b>	Ph.D.					
<b>Degree</b>	University/Institute				<b>Year</b>	
<b>Ph.D.</b>	University of Delhi				2013	
<b>M.Phil./M.Tech.</b>	---				---	
<b>PG</b>	IITR, Roorkee				2000	
<b>UG</b>						
<b>Any Other Qualification</b>	----				-----	
<b>Career Profile</b>						
<input type="checkbox"/> Working as an Assistant Professor in the Department of Mathematics, <b>Shivaji College</b> , New Delhi since March 2014.						
<input type="checkbox"/> Worked as an Assistant Professor (Mathematics) in NIEC, New Delhi from August 2011 to March 2014.						
<input type="checkbox"/> Worked as guest faculty in <b>IGIT, Kashmeri Gate</b> , and appointed as a <b>Course Coordinator for Numerical Analysis and Programming</b> by GGSIPU.						
<input type="checkbox"/> Worked as a guest faculty in <b>Deen Dayal Upayadhaya College, University of Delhi, Delhi</b> and taught Numerical Analysis.						
<input type="checkbox"/> Worked as an Assistant Professor (Mathematics) in <b>ITS Engineering College, Greater Noida</b> for five years . Worked as a Lecturer (Mathematics) for two and half years at <b>NIET, Greater Noida</b> ,						

09 months at **RAIT, University of Mumbai**, 05 months at **IPEC Ghaziabad** in the Department of Mathematics. Have taken B.Tech and MCA classes along with computer Labs of Numerical Analysis.

- **(1+ year of experience in IT Industries)** Worked as **Software Engineer** at PARSEC TECHNOLOGIES LTD.(Platinum partner of INTEL), Gurgaon from July 2000-June 2001. It is a Computer Telephony(CT) based company and is a pioneer in server based **CT applications**.

#### **Administrative Assignments**

- Co-convener of Admission committee 2018.
- Member of Internal assessment committee of the college.
- Worked as Teacher-in-charge in the Department of Mathematics, Shivaji College from April 2016 - March 2017.
- Appointed as an observer for the Adhoc Interviews held in Dec 2017.

#### **Areas of Interest/Specialisation**

Operational Resaerch, Numerical Methods

#### **Subjects Taught**

Differential Equations, Linear Programming and Theory of Games, Multivariate Calculus, Partial Differential Equations, Numerical Methods.

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

NA

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

- Shilpi Verma and Mukesh Kumar Mehlawat (2017), ‘Multi-criteria optimization model integrated with AHP for evaluation and selection of COTS components’, *Optimization*, vol. 66(11), pp. 1879-1894, ISSN: 0233-1934, Impact Factor 0.943 (**Taylor & Francis**).
- Pankaj Gupta, Hoang Pham, Mukesh Kumar Mehlawat and Shilpi Verma (2013), ‘A fuzzy optimization framework for the COTS selection,’ *International Journal of Fuzzy Systems*, vol. 15(2), pp. 91-109, ISSN: 1562-2479, Impact Factor 1.51 (**Chinese Fuzzy Systems Association**).

- Pankaj Gupta, Shilpi Verma and Mukesh Kumar Mehlawat (2012), ‘Fuzzy COTS selection for modular software systems based on cohesion and coupling under multiple applications environment,’ *International Journal of Applied Evolutionary Computation*, vol. 3(4), pp. 1-18, ISSN: 1942-3594 (IGI Global).
- Pankaj Gupta, Shilpi Verma and Mukesh Kumar Mehlawat (2012), ‘Optimization model of COTS selection based on Cohesion and Coupling for modular software systems under multiple applications environment,’ *Lecture Notes in Computer Science*, vol. 7333, pp. 87-102, ISSN: 0302-9743 (Springer).
- Pankaj Gupta, Mukesh Kumar Mehlawat, and Shilpi Verma (2012), ‘COTS selection using fuzzy interactive approach,’ *Optimization Letters*, vol. 6, pp. 273-289, ISSN: 1862-4472, Impact Factor 1.654 (Springer).
- Pankaj Gupta, Shilpi Verma and Mukesh Kumar Mehlawat (2011), ‘A membership function approach for cost-reliability trade-off of COTS selection in fuzzy environment,’ *International Journal of Reliability, Quality and Safety Engineering*, vol. 18(4), pp. 573-595, ISSN: 0218-5393 (World Scientific).
- Pankaj Gupta, Mukesh Kumar Mehlawat, Garima Mittal and Shilpi Verma (2009), ‘A hybrid approach for selecting optimal COTS products,’ *Lecture Notes in Computer Science*, vol. 5592, pp. 949-962, ISSN: 0302-9743 (Springer).
- M.L. Garg and Shilpi Verma (2010), “Analysis of stresses in a circumferentially reinforced curved bar subjected to in-plane shear force”, *Reflections des ERA-JMS* ISSN 0973-4597, vol. 5(4), pp. 309-320.

#### Conference/Seminar/Faculty Development Programme/Workshop

- Attended a one day faculty empowerment workshop on “National Workshop on Latex- An ICT tool for Scientific Publishing” organised by Guru Angad Dev Teaching Learning Center of MHRD, SGTB Khalsa College, University of Delhi on 26-03-2018.
- Organised one day workshop on “A Vedic Approach to Mathematical Sciences” on 27-09-2017.
- Attended Refresher Course organized by CPDHE, University of Delhi, Delhi from 06-06-2017 to 27-06-2017.
- Attended and presented a paper at Symposium on Mathematical Programming and Game Theory organized by Indian Statistical Institute Delhi Centre from 09-01-2017 to 11-01-2017.
- Attended One-day Workshop on Computational Optimization organized by Sri Venkateshwara College, University of Delhi on 05-02-2016.
- Member of the organizing committee and presented a paper at the International Conference on Recent Advances in Optimization theory and Applications organized by Department of Operational Research and Department of Mathematics, University of Delhi from 30-01-2016 to 31-01-2016.

- Presented a paper at 7th International Conference on Quality, Reliability, Infocom Technology and Business Operations organized by Department of Operational Research, University of Delhi from 29-12-2015 to 30-12-2015.
- Attended the Orientation Programme organized by CPDHE, University of Delhi, Delhi from 08-06-2015 to 04-07-2015.
- Attended Training Programme on Matlab Fundamentals, organized by Mathworks Training Services, held at Computer Center, University of Delhi, Delhi from 07-05-2015 to 09-05-2015.
- Attended Refresher Course organized by CPDHE, University of Delhi, Delhi from 24-11-2014 to 13-12-2014.

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

NA

#### **Awards and Distinctions**

- **Chancellor's Gold Medal** for the best student in M.Sc./M.Tech(Science) Courses.
- **University Medal** for standing first in M.Sc.(Industrial Mathematics & Informatics).
- **Smt. Sushilavati Khosla Medal** for the student obtaining highest marks in M.Sc./M.Tech(Science) Courses.
- **Dr. A. N. Khosla Medal** for obtaining highest marks in M.Sc./M.Tech(Science) Courses.
- **Ashesh Memorial Medal** for obtaining highest marks in M.Sc.(Maths) 3rd and 4th semester Examination.
- **Dr. G. Pande Medal** for the girl student for obtaining highest marks in M.Sc. Final Year Examination.
- **Commendation Letter** for the excellent performance based on the feedback reports from the students in ITS Engineering College (2008).

#### **Memberships**

NA

#### **Other Academic Activities**

- Served as Resource person in DST sponsored INSPIRE Science Camp held at Shivaji College from 14-12-2016 to 18-12-2016.
- Served as Resource person in DST sponsored INSPIRE Science Camp held at Shivaji College from 19-12-2015 to 23-12-2015.

**Cultural/Extracurricular Activities**

- Done Senior Diploma in Vocal.
- Worked as a member of Cultural Committee.
- Worked as a member of Women Development Committee at Shivaji College.
- Presently working as a member of NSS committee.

**Signature of Faculty Member**