PRADEEP TOMAR

Research Associate
School of Information and Communication Technology,
Gautam Buddha University, Greater Noida, 201 308,
Distt. Gautam Budh Nagar, Uttar Pradesh, INDIA

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PROFESSIONAL QUALIFICATION

Degree:	University/Board/Institute/Deptt.
Ph.D.	**Ph.D. in Computer Science (Submitted)**
Topic:	Analysis, Design and Development of Component-Based Reusable Models and Testing Processes.
	Department of Computer Science and Applications
	Maharshi Dayanand University, Rohtak, Haryana, INDIA.

M.C.A.	**Master of Computer Applications (M.C.A.)**
	Guru Jambheshwar University, Hissar, Haryana, INDIA.

Diploma:	University/Board/Institute/Deptt.
PGDCPCL	**Post Graduate Diploma in Copyright, Patent and Cyber Laws.**
	Kurukshetra University, Kurukshetra, Haryana, INDIA.

Certificate:	University/Board/Institute/Deptt.
CCS	**Certificate Course in Spanish**
	Maharshi Dayanand University, Rohtak, Haryana, INDIA.
CCF	**Certificate Course in French**
	Madurai Kamraj University, Madurai, Tamilnadu, INDIA.

PUBLICATIONS

INTERNATIONAL JOURNALS

- Gill N. S. and **Tomar P.** (2010). "**Modified Development Process of Component-Based Software Engineering**", **ACM SIGSOFT SEN**, Vol. 35, No. 2, *pp. 1-6.*

- Gill N. S. and **Tomar P.** (2008). "**X Model: A New Component-Based Model**", MR International Journal of Engineering and Technology, Vol. 1, No. 1 & 2, *pp.1-10.*

- Gill N. S. and **Tomar P.** (2007). "**CBS Testing Requirement and Test Cases Processes Documentation Revisited**", **ACM SIGSOFT SEN**, Vol. 32, No. 2, *pp. 1-4.*

NATIONAL JOURNALS

- Gill N. S. and **Tomar P.** (2006). "**Major Challenges Faced in Component-Based Software Reuse**", Journal of Computer Science, 2nd Vol., No. 01, *pp. 53-58.*

INTERNATIONAL CONFERENCES

- Gill N. S. and **Tomar P.** (2007). "**Component Traceability, Testability and Testing: A Challenge in Component-Based Software Development**", proceedings of International Conference on Trends in Information Sciences and Computing, Sathyabama University & Tata Consultancy Services, Chennai, INDIA, *pp.704-707.*

- Gill N. S. and **Tomar P.** (2007). "**Impacts of Inadequate Testing and Testing Infrastructure in Component-Based Software Testing and Development**", proceedings of International Conference on Trends in Information Sciences and

Computing, Sathyabama University & Tata Consultancy Services, Chennai, INDIA, *pp.687-690*.

- Gill N. S. and **Tomar P.** (2007). "**Origin, Growth and Future of Software in Service Industry in India**", proceedings of International Conference on Trends in Information Sciences and Computing, Sathyabama University & Tata Consultancy Services, Chennai, INDIA, *pp.553-555*.

- **Tomar P.**; Singh R.; Sohal A. S. and Dahiya R. (2005). "**Cryptography + Stegnography in DNA Computing: An Intelligent Approach for Secure Data Communication**", 12th International Conference on Statistics Combinatorics, Mathematics and Applications, Auburn University, Auburn, Alabama, USA*, pp. 79-80.*

- **Tomar P.** and Singh R. (2005). "**Functional and Object Oriented Metrics for Object Oriented Systems: An Overview and Comparison**", 12th International Conference on Statistics Combinatorics, Mathematics & Applications, Auburn University, Auburn, Alabama, USA*, pp. 79-80.*

- **Tomar P.**; Gill N. S. and Singh R. (2005). "**Wireless Communication through WATM: Past, Present & Future**", proceedings of International Conference on Challenges in Networking & Future e-Commerce, APIIT, Panipat, Haryana, INDIA, *pp. 181-188.*

NATIONAL CONFERENCES
- Gill N. S. and **Tomar P.** (2008). "**Object + Component + Aspect Oriented Software Development: All are Interrelated but have Different Development and Practitioner View**", proceedings of Second National Conference; INDIACom-2008, Computing for Nation Development, New Delhi, INDIA, *pp. 697.*

- Gill N. S. and **Tomar P.** (2008). "**Need and Nature of Verification & Validation in Component-Based Software Development**", proceedings of Second National Conference INDIACom-2008, Computing for Nation Development, Bharati Vidyapeeth's Institute of Computer Application and Management, New Delhi, INDIA, *pp. 669.*

- **Tomar P.** and Gill N. S. (2008). "**Cryptography + Stegnography helps in creating a Secure Information Technology Infrastructure for Data Transmission with the help of DNA Computing and Bioinformatics**", proceedings of Second National Conference INDIACom-2008, Computing for Nation Development, Bharati Vidyapeeth's Institute of Computer Applications and Management, New Delhi, INDIA, *pp. 696.*

- Gill N. S. and **Tomar P.** (2007). "**Component-Based Software Reusability: Success, Failure & New Directions**", proceedings of National Conference on Information Technology: Present, Practices and Challenges, Asia Pacific Institute of Management, New Delhi, INDIA, *pp. 361-365.*

- Gill N. S. and **Tomar P.** (2007). "**Software Component Technology: An Easy Way to Enhance Software Reusability**", proceedings of 94th Indian Science Congress Conference, Annamalai University, Tamilnadu, INDIA, *pp. 18-19.*

- Gill N. S. and **Tomar P.** (2007). "**Reliability & Security in Open Source Software: Review & Analysis**", proceedings of 94th Indian Science Congress Conference, Annamalai University, Tamilnadu, INDIA, *pp. 21.*

- **Tomar P.**; Kharb L. and Kumar R. (2006). "**Software Tools and Techniques used in Bioinformatics Research to Access Biological Database & Gene Identification**",

proceedings of National Conference of Bioinformatics Computing (BioCon-2006), Chaudhary Devi Lal University, Sirsa, Haryana, INDIA.

- **Tomar P.**; Singh R. and Kharb L. (2006). "**Bioinformatics: Origin, Theory and Prospects**", proceedings of National Conference on Communication & Computational Techniques: Current and Future Trends, Dehradun Institute Technology, Dehradun, Utrranchal, INDIA, *pp. 242-245.*

- **Tomar P.**; Kishan B. and Gill N. S. (2006). "**Cellular Mobile Communication in the Cyber World of 21st Century: Evolution or Revolution**", proceedings of National Seminar on Network Technologies sponsored by AICTE held at Career Institute of Technology and Management, Faridabad, Haryana, INDIA, *pp. 40.*

- **Tomar P.** and Gill Nasib S. (2006), "**Ontology Based Natural Language Processing for Improving the Ambiguities of Semantic Web Search**", proceedings of National Seminar on Network Technologies sponsored by AICTE held at Career Institute of Technology and Management, Faridabad, Haryana, INDIA, *pp.19.*

- **Tomar P.**; Yadav R. and Singh R. (2005). "**Control Plane Policing (CoPP) Protects Route Processor from Distributed Denial of Service Attacks: Defense & Solutions**", proceedings of National Conference on Intelligent System & Network, Haryana Engineering College, Jagadhari, Haryana, INDIA with Institution of Electronics & Telecommunication Engineering.(IETE), *pp. 288.*

- Singh R. and **Tomar P.** (2005). "**Cyber Laws in India: Role & Improvement**" proceedings of National Conference on "India in the Globalised World: Challenges & Opportunities", All India Law Teachers Congress & Faculty of Law, M. D. University, Rohtak, INDIA, *pp. 81.*

- **Tomar P.** and Yadav M. (2005). "**Distributed Denial of Services Attacks: A Challenge**", proceedings of COGNITION 2K5, National level Technical Symposium, Department of Studies in Computer Science, University of Mysore, Mysore, Karnataka, INDIA*., pp. 26.*

- **Tomar P.** (2005). "**DNA Computing: Definition and Practical Uses**", proceedings of Second National Conference on Advanced Images Processing and Networking, Department of Computer Science and Engineering & IT, National Engineering College, Kovilpatti, Tamilnadu, INDIA, *pp. 300-309.*

- **Tomar P.**; Sohal A. S. and Dahiya R. (2005). "**DNA Computing: Origin and Future**", proceedings of National Conference Bioinformatics Computing, Thapar Institute of Engineering & Technology, Patiala, Punjab, INDIA*., pp. 84.*

- **Tomar P.** and Singh R. (2005). "**Wireless Communication through WATM: Technology Status & Challenges**", proceedings of National Level Conference on Recent Advances and Future Trends in IT, Department of Computer Science., Punjabi University, Patiala, Punjab, INDIA*, pp.112-115.*

- **Tomar P.** and Singh R. (2005). "**Defense & Solution against Denial of Services Attacks: A Challenge**", proceedings of Second National Conference on Advanced Images Processing and Networking, National Engineering College, Kovilpatti, Tamilnadu, INDIA, *pp. 201-208.*

- **Tomar P.** (2004), "**Scalability and Security of Intelligent Information Networks: Challenges and Opportunities**", National Conference on Intelligent System & Network, Haryana Engineering College, Jagadhari, Haryana, INDIA with collaboration of (IETE).

PAPERS & ARTICLES PUBLISHED IN BOOKS/JOURNALS/MAGZINES
- **Tomar P.**; Sohal A. S. and Dahiya R. (2005). "**DNA Computing: Origin and Future**" in "**SOFT COMPUTING**", Publisher: Allied publisher Pvt. Ltd. A-104 Mayapuri Phase II, New Delhi INDIA, *pp. 156-160.*

BOOKS PUBLISHED
- Gupta V. K.; **Tomar P.** and Walia P. (2003). "**Teaching of Mathematics**", Publisher: Vinod Publication, Ludhaina Punjab, INDIA.

- **Tomar P.** (2005). "**Communication and Information Technology**", Publisher: Vinod Publication, Ludhaina, Punjab, INDIA.

SHORT TERM COURSES/WORKSHOPS/TRAINING PROGRAMME ATTENDED
- **Workshop** on **Secure Code Review for PHP Applications** and **Secure Coding in PHP: Developing Defensive Applications** at Ministry of Communications and Information Technology, Department of Information Technology, Indian Computer Emergency Response Team (CERT-In), New Delhi, INDIA. December 7th-8th, 2009.

- **Workshop-cum-demo** on **Open Source Software Tools/Techniques** organized by Center for Development of Advanced Computing, Noida, Gautam Budh Nagar, New Delhi, INDIA. July 29th, 2009.

- **Short Term Course** on **Brihaspati2 Installation, Management & Effective Use** at Indian Institute of Technology, Kanpur, U.P., INDIA. June 20th -21st, 2009.

- Training of **Software Testing Tools, Software Technology Center, New Delhi,** INDIA.

- **One Day Training Program** on **Cyber Security,** D.A.V. Institute of Management, Faridabad, **Haryana,** INDIA. April 7th, 2007.

- **National Workshop** on **Advances in Bioinformatics,** Distributed Informatics Sub-Centre (DISC), Department of Biotechnology, Guru Nanak Dev University, Amritsar, Punjab, INDIA. February 23rd-24th, 2006.

- **Workshop** on **Faculty Development,** ICFAI National College, Rohtak, Haryana**,** INDIA. February 25th, 2006.

- **National Conference** on **Bioinformatics: Genomics and Proteomics,** Birla Institute of Scientific Research, Jaipur, Rajasthan, INDIA sponsored by Department of Biotechnology, Govt. of India, New Delhi, INDIA. January 11th-13th, 2006.

- **Workshop** on **Information Technology for Teachers,** Deptt of Computer Science and Appl., M. D. University, Rohtak, Haryana, INDIA. January 7th, 2006.

- **Patent Awareness Workshop, Patent Information Centre, Hissar**, **Haryana** in collaboration with TIFAC, New Delhi, INDIA and Department of Biosciences, M. D. University, Rohtak, Haryana**,** INDIA. December 30th, 2005.

- **Third National Level Technical Festival "KSHITIJ 2004" (The Horizon of IT and Culture**), Department of Computer Science & Engineering, at Guru Jambeshwar University, Hisar, Haryana, INDIA. October 15th-16th, 2004.

- **Bioinformatics Tools and Their Applications** sponsored by Department of Biotechnology Govt. of India**,** at Department of Biochemical Engineering & Biotechnology, Indian Institute of Technology, New Delhi**,** INDIA. March 30th-31st, 2004.

- **Conference** on **e-Security, Cyber Crime & Cyber Law,** Mahatma Gandhi State Institute of Punjab Administration, Punjab, INDIA at Hotel Shivalikview, Chandigarh, INDIA. February 19th-20th, 2004.

- **Seminar-Cum-Training Programme** on **Electron Microscopy** jointly organized by Kurukshatra University, Kurukshetra, Haryana, INDIA & Sophisticated Analytical Instrumentation Facility (SAIF), Punjab University, Chandigarh**,** INDIA. January 29th- 31st, 2004.

- **91st Indian Science Congress** on the theme **"Sciences and Society in the Twenty First Century-Quest for Excellence"** Punjab University, Chandigarh and IMTECH, Chandigarh, INDIA. January 3rd-7th, 2004.

- **Third "Hindi" Indian Science Congress,** Vigyan Bharti, & Bhartiya Swadeshi Science Movement, Delhi at National Physics Laboratory, New Delhi, INDIA. February 19th-21st , 2003.

- **Patent Awareness Workshop,** Kurukshetra University, Kurukshetra & Punjab State Council for Science & Technology, Chandigarh, INDIA. November 25th, 2002.

- **Workshop-Cum-Training Programme** on **Recent Trends in Genomics and Proteomics,** Bioinformatics Center, (Sub-DIC), Himachal Pradesh University, Shimla, Himachal Pradesh, INDIA. October 24th -26th, 2002.

- **Workshop-Cum-Seminar** on **Preparing Teaching Aids & Handling of Latest Machine** sponsored by UGC at University College of Education, Kurukshetra University, Kurukshetra, Haryana**,** INDIA. September 25th-27th, 2002.

- **Workshop-Cum-Training Programme** on **Tools & Techniques to Access Biological Database** sponsored by DBT, Govt. of India at Bioinformatics center, Department of Biotechnology, Himachal Pradesh University, Shimla, Himachal Pradesh, INDIA. June 20th-22nd, 2002.

ACHIEVMENTS

TEST QUALIFIED
✓ **National Eligibility Test (NET)** qualified for Lectureship in Computer Applications.

PROFESSIONAL CERTIFICATION:
✓ **MCP (Microsoft Certified Professional)** in August 2008.
✓ **SCJP (SUN Certified JAVA Programmer)** qualified for the JAVA platform**,** standard edition 5.0 in September, 2008.

PROFESSIONAL SKILLS

- **Operating Systems:**   WINDOW9x, UNIX
- **RDBMS/DBMS:**   ORACLE 7, PL/SQL
- **Languages:**   JAVA
- **Web Server:**   Tomcat 5.x., JBoss
- **Middleware:**   JSP2.0, Servlets2.4, JDBC, Struts1.1
- **Tools / IDES:**   JBuilder and Eclipse 3.0.

TEACHING EXPERIENCE

POSTGRADUATE LEVEL

- Working as **Faculty/Research Associate** in **School of Information and Communication Technology, Gautam Bhudda University, Greater Noida, U.P., INDIA** from **9th April, 2009** to till date.

- Worked as **Lecturer** for Computer Sc. in Department of Information Science & Technology in Govt. College for Boys, **Maharshi Dayanand University, Rohtak**, **Haryana**, INDIA from **August 8th, 2006** to **June 30th, 2007**.

- Worked as **Lecturer** for Computer Science in Department of Information Science & Technology in University College, **Maharshi Dayanand University, Rohtak**, **Haryana**, INDIA from **October 28th, 2005** to **June 06th, 2006**.

GRADUATE LEVEL

- Worked as a **Lecturer** in Department of Computer Science & Applications, **Maharshi Dayanand University, Rohtak**, **Haryana**, INDIA from **October 11th, 2004** to **April 30th, 2005** and **August 11th, 2005** to **October 28th, 2005**.

- Worked as a **Lecturer** in the course of Information Technology run by Department of Electronics Science, **Kurukshetra University, Kurukshetra**, **Haryana**, INDIA from **August 12th, 2003** to **March 23rd, 2004**.

INDUSTRIAL EXPERIENCE

- Worked as **Software Engineer** in **Outworx Solutions Pvt. Ltd.**, US based MNC, H-195, Sector 63, **NOIDA**, Uttar Pradesh, INDIA from **July 2nd, 2007** to **April 8th 2009**.

PROFESSIONAL AFFILIATIONS

- Life membership of **Computer Society of India (CSI).**
- Life membership of **Indian Society for Technical Education (ISTE).**
- Membership of **International Association of Engineering (IAENG).**
- Membership of **International Association of Computer Science and Information Technology (IACSIT).**

PERSONAL PROFILE

Qualification:	**M.C.A., Ph.D. Thesis Submitted**
IT Experience:	**6 + Years**
Books Published:	Two (02)
Papers Published:	Thirty (30)
Language Known:	Hindi, English, Spanish, French
Passport Number:	F1719999

Date: May 16, 2010   **PRADEEP TOMAR**