

BIO-DATA

Dr. ANITA GANPATI



Career Objective

To pursue a progressive career in computer science and enhance my working capacities & professional skills to serve my organization in best possible way with sheer determination and commitment.

Educational Qualification

- ◆ Doctor of Philosophy in Computer Science (2013) from Himachal Pradesh University, Shimla.
- ◆ Master of Technology in Computer Science & Engineering (2000) from Punjabi University Patiala.
- ◆ Master of Computer Applications (1997) from Panjab University Chandigarh.
- ◆ Bachelor of Science (Non-Medical) (1994) from Himachal Pradesh University, Shimla.

Area of Interest

- ◆ Open Source Software, Programming Languages (JAVA, C#).

Academic Achievements

- ◆ Qualified State Level Eligibility Test (SLET) for lectureship.
- ◆ Qualified Graduate Aptitude Test in Engineering (GATE).

Work Experience

- ◆ Fifteen years teaching experience at Post Graduate and Graduate level.
- ◆ Presently working as Associate Professor in the Department of Computer Science, Himachal Pradesh University, Shimla.

Research Profile

- ◆ *Research Publications (43)*
- ◆ *Ph. D. Supervision*
Presently **eight (08)** students are enrolled for Ph. D. programme under my supervision.
- ◆ *M. Tech. / M. Phil. Thesis Guided (18)*

◆ *Research Publications (46)*

Papers in International Journals (22)

1. Software Testing Methods: A Comparative Study of North Indian Software Industry; Published in International Journal of Engineering & Information Technology; ISSN:0975-5292 (Print) 0976-0253 (Online), 2010.
2. Comparing the Efficiency of Minutia Based & Improved Fingercod Fingercode Fingerprint Algorithm; Published in International Journal of Computer Science & Information Technology; ISSN:0975-9646 (Online), 2011.
3. Software Evolution: An Empirical Study of Mozilla Firefox; Published in International Journal of Computer Technology & Applications (IJCTA); Vol. 3, Issue 3, ISSN: 2229-6093 May-June 2012.
4. Maintainability Index over Multiple Releases: A Case Study PHP Open Source Software; Published in International Journal of Engineering Research & Technology (IJERT) Vol. 1, Issue 6, ISSN: 2278-0181, August 2012.
5. A Comparative Study of Maintainability Index of Open Source Software; Published in International Journal of Emerging Technology and Advanced Engineering; Vol. 2, Issue 10, ISSN: 2250-2459, October 2012.
6. A Comparative Study of Image Compression Algorithms; Published in International Journal of Research in Computer Science; Vol. 2, Issue 5, ISSN:2249-8257, 2012.
7. Cloud Computing: An Economic Solution to Higher Education; Published in International Journal of Application or Innovation in Engineering & Management (IJAIEEM); Vol. 2, Issue 3, ISSN: 2319–4847, March 2013.
8. Effect of Moderators on Determinants: A Case Study of Technology Acceptance Models; Published in International Journal of Research in Computer and Communication Technology; Vol. 2, No. 5, ISSN: 2278–5841, May, 2013.
9. Proposed Framework for Bug Tracking System in OSS Domain; Published in International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 3, Issue 8, ISSN: 2277 128X, August 2013.
10. A Comparative Study of DYMO, AODV, DSR & DSDV Routing Protocols in VANET; Published in International Journal of Advanced Research in Computer Science and Software Engineering; Vol. 3, Issue 10, ISSN: 2277 128X, October 2013.

11. Duplicate Bug Report Rate in OSS Projects: A Comparative Analysis. Published in International Journal of Engineering Research & Technology (IJERT); Vol. 2, Issue 10, October 2013.
12. Cloud Computing: A Data Security Framework; Published in International Journal of Computer Science Engineering and Information Technology Research (IJCSEITR); Vol. 3, Issue 5, ISSN (P): 2249-6831; ISSN (E): 2249-7943, December 2013.
13. An Exploratory Study Of Duplicate Bug Reports In OSS Projects; Published in International Journal of Computer Science And Mobile Computing (IJCSMC); Vol.3, No. 3, March 2014.
14. Exploratory Study for Regression Test Selection Techniques In Procedural and Object Oriented Programming Paradigm; Published in International Journal of Engineering And Computer Science; Vol. 3, Issue 3, ISSN:2319-7242, March 2014.
15. Multi-Authentication for Cloud Security: A Framework; Published in International Journal of Computer Science & Engineering Technology (IJCSET); Vol. 5, Issue 4, ISSN: 2229-3345, April 2014.
16. A Study of Energy Efficiency Techniques in Cloud Computing; Published in International Journal of Computer Science and Mobile Computing (IJCSMC), Vol. 3, Issue 8, ISSN: 2320-088X, August 2014.
17. Comparative Analysis of Symmetric Key Encryption Algorithms; Published in International Journal of Advanced Research in Computer Science and Software Engineering; Vol. 4, Issue 8, ISSN: 2277 128X, August 2014.
18. Performance Evaluation of Rule Based Classification Algorithms; Published in International Journal of Advanced Research in Computer Engineering & Technology (IJARCET); Vol. 3, Issue 10, ISSN: 2278-1323, October 2014.
19. Simulation Based Performance Comparison of AODV, AOMDV, DSR and MDART Routing Protocols in MANETS; Published in International Journal of Computer Science and Mobile Computing (IJCSMC); Vol. 3, Issue. 10, October 2014.
20. OpenFlow Software Defined Networking Controllers: A Comparative Study; Published in International Journal on Advances in Computer Science and Information Technology (ACSIT), Vol. 2, No. 2, January-March, 2015.
21. A Hybrid Implementation of K-Means and HAC Algorithm and Its Comparison with other Clustering Algorithms, International Journal of

Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Vol.-5 Issue-1, October 2015, 136.

22. A Survey of Different Public-Key Cryptosystems, International Journal of Computer Science Trends and Technology (IJCTST), Vol. 3 Issue 6, Nov-Dec 2015.

Papers in National Journals (02)

23. Green IT: An Eco-Friendly Computing Initiative, Published in Himachal Pradesh University Journal, Vol. 01, Issue 02, March 2012.
24. PSPP: Free Software for Statistical Analysis, CSI Communications, pp. 23-26, October 2014.

Papers presented/ published in International Conferences (12)

25. A Routing Model for Managing Large Adhoc Network Using Segments; published in the Conference Proceeding of International Conference On “Issues and Challenges in Networking, Intelligence and Computing Technologies” at Ghaziabad; ISBN-978-93-81126-21-1 pp. 671-677, 2nd & 3rd September, 2011.
26. Empirical Study of Software Effort Estimation Models; Published in the Conference proceeding of “International Conference on Advances in Modelling, Optimization and Computing”; at IIT Roorkee, December 5-7, 2011.
27. Relationship Between Line of Code and Complexity in Open Source Software; Published in the Conference proceeding of “International Conference on Information and Multimedia Technology” at Dubai, UAE; December 28-30, 2011.
28. A Comparative study of Data Mining Methods; Published in the Conference proceeding of “International Conference on Information and Multimedia Technology” at Dubai, UAE; December 28 -30, 2011.
29. An Analysis of the Cloud Computing Security Issues; Published in International Conference on Advances in Electrical, Electronics and Computer Science, ISBN: 978-93-81693-68-4, November 2012.
30. Evaluating System Performance for handling scalability challenge in SDN, Published in the Conference Proceedings of International Conference on Green Computing and Internet of Things, IEEE, Greater Noida, October 2015.
31. Cluster Based Route Discovery Technique for Routing Protocol In MANET, Published in the Conference Proceedings of International Conference on Green Computing and Internet of Things, IEEE, Greater Noida, October 2015.

32. Prevalent Criteria's in Regression Test Case Selection Techniques: An Exploratory Study, Published in the Conference Proceedings of International Conference on Green Computing and Internet of Things, IEEE, Greater Noida, October 2015.
33. Performance Evaluation of Fair and Capacity Scheduling in Hadoop YARN, Published in the Conference Proceedings of International Conference on Green Computing and Internet of Things, IEEE, Greater Noida, October 2015.
34. A Performance Comparison of End, Bagging and Dagging Meta Classification Algorithms, Published in the proceedings of Academic World 24th International Conference, Abu Dhabi, UAE, 20th February 2016.
35. Empirical Evaluation of Requirements Elicitation Techniques, Presented in the of Academic World 24th International Conference, Abu Dhabi, UAE, 20th February 2016.
36. Attributes Identification for Test Case Reusability in Regression Test Case Selection Techniques, Published in Conference Proceedings of 3rd 2016 International Conference on Computing for Sustainable Global Development, IEEE, BVICAM, New Delhi, March 2016.

Papers presented/published in National Conferences/Seminar (10)

37. Expanding Dimensions of Open Source Software in Indian IT Industry; Published in the Proceedings of National Conference on "Emerging Trends In Computing and Communication"; NIT Hamirpur, December, 2008.
38. Empirical Validation of Quality for OSS Using CK Metric Suite, published in the Conference Proceeding of National Conference on "Recent Trends in Information Technology and its Applications in Industry" at Bhaderwah Campus, Jammu University, ISSN- 2229-6913, pp 179-189, 25th – 26th September 2011.
39. Cloud Computing: The User's Perspective; Published in Proceedings of the 6th National Conference on Computing For National Development, 23rd -24th February 2012.
40. An Investigation of Relationships Between Internal Software Metrics: A Case Study of Mozilla Firefox. Presented in UGC-Sponsored National Seminar on Application Tools and Techniques of Ubiquitous Computing In Building Intelligent Space World, Hindu Girls College, Jagadhari, September 2012.

41. Violence Against Women (VAW) in Digital Space: Challenges and Opportunities; ICSSR sponsored National Seminar on Violence Against Women, at H. P. University, Shimla, 21st – 22nd August, 2013.
42. An Algorithm for Optimal Test Case Selection for Specification Based Regression Testing, Published in the Conference proceeding of 9th National Conference on Smarter Approaches in Computing Technologies & Applications (SACTA-2014), Sponsored by CSI, at Mohan Nagar, Ghaziabad, April 2014.
43. Automated Regression Testing of Web Based Applications Using Selenium; National Seminar on Web Based Technologies: Present & The Future; St. Bede's College, Shimla, April 2015.
44. An Analysis Of Sting and Wave Cluster Algorithm of Grid Based Clustering In Data Mining; National Seminar on Web Based Technologies: Present & The Future; St. Bede's College, Shimla, April 2015.
45. Big Data Analytical Tools: A Comparative Study; National Seminar on Web Based Technologies: Present & The Future; St. Bede's College, Shimla, April 2015.
46. Software Defined Networks: Use Cases; National Seminar on Web Based Technologies: Present & The Future; St. Bede's College, Shimla, April 2015.

Conferences Attended Abroad (03)

1. Third International Conference on Innovations in Information Technology, Dubai, 19th - 21st November, 2006.
2. International Conference on "Information and Multimedia Technology" at Dubai, UAE; December 28th-30th, 2011.
3. Academic World 24th International Conference, Abu Dhabi, UAE, 20th February 2016.

Conferences Attended in India (10)

1. The First International Conference on "Parallel, Distributed and Grid Computing (PDGC-2010) at Jaypee University of Information Technology, Wagnaghat, Solan, 28th -30th October 2010.
2. International Conference On "Issues and Challenges in Networking, Intelligence and Computing Technologies" at KIET, Ghaziabad, 2nd & 3rd September, 2011.
3. National Conference on "Recent Trends in Information Technology and its Applications in Industry" at Bharderwah Campus, Jammu University, 25th& 26th September 2011.

4. International Conference on “Advances in Modelling, Optimization and Computing” at IIT Roorkee, December 5th – 7th, 2011.
5. Sixth National Conference on “Computing For National Development”, at Bharati Vidyapeeth Institute BVICAM, New Delhi, February 23rd -24th, 2012.
6. 9th National Conference on Smarter Approaches in Computing Technologies & Applications (SACTA-2014), sponsored by CSI, at Mohan Nagar Ghaziabad, April 2014.
7. International Peace conference on “Building Nations of Peace: Our shared Responsibility” at H. P. University, Shimla, 17th September 2014.
8. 7th International Conference on Advances in Computer Sciences, Software Solutions, E-Learning, Information & Communication Technology (ACSEICT-2015), organized by Krishi Sanskriti, at Jawahar Lal Nehru University, New Delhi, 31 January & 1st February 2015.
9. 3rd 2016 International Conference on Advances in Computer Sciences, Software Solutions, E-Learning, Information & Communication Technology (ACSEICT-2015), organized by Krishi Sanskriti, at Jawahar Lal Nehru University, New Delhi, 31 January & 1st February 2015.
- 10.3rd 2016 International Conference on Computing for Sustainable Global Development, IEEE, BVICAM, New Delhi, March 2016.

Seminars Attended (04)

1. National Level Seminar on “Strategy for Sustainable Development of Himachal Pradesh with Special Emphasis on Industry, Tourism & IT”, Shimla, 6th & 7th November 2006.
2. UGC-Sponsored National Seminar on Application Tools and Techniques of Ubiquitous Computing In “Building Intelligent Space World”, at Hindu Girls College, Jagadhari, September 2012.
3. ICSSR sponsored National Seminar on Violence Against Women, Jointly Organized by Department of Laws and Economics, Himachal Pradesh University on 21st & 22nd August, 2013.
4. National Seminar on Web Based Technologies: Present & The Future, St. Bede’s College, Shimla, April 2015.

Workshops / Short Term Course/ Refresher Courses / Orientation Programs Attended (08)

1. UGC sponsored 4-week orientation program organized by Academic Staff College (ASC), Himachal Pradesh University, Shimla from 14th June 2004 to 10th July 2004.
2. UGC sponsored 3-week refresher course on “Information Technology” Organized by Academic Staff College (ASC), University of Calicut, Calicut from 04th January 2006 to 24th January 2006.
3. UGC sponsored 3-week refresher course on “IT Awareness” Organized by Academic Staff College (ASC), Himachal Pradesh University, Shimla from 04th April 2008 to 24th April 2008.
4. UGC sponsored 3-week refresher course on “Environmental Sciences” Organized by Academic Staff College (ASC), Himachal Pradesh University, Shimla from 04th July 2011 to 23th July 2011.
5. MHRD Sponsored short term course on “Internet Technologies” Organized by Computer Science Department of National Institute of Technical Teachers Training And Research (NITTTR), Chandigarh from 07th March 2011 to 11th March 2011.
6. MHRD sponsored short term course on “Network Operating System” Organized by Computer Science Department of National Institute of Technical Teachers Training And Research (NITTTR), Chandigarh from 28th March 2011 to 1st April 2011.
7. UGC sponsored short term course on “Latest Trends in Software Technology for Teaching Faculty” Organized by Academic Staff College (ASC), Guru Nanak Dev University Amritsar, from 01st January 2013 to 05th January 2013.
8. AICTE recognized short term course on “Computer Networking with CCNA” Conducted by Computer Science Department, NITTTR Chandigarh, from 19th January 2015 to 23rd January 2015.

Session Chaired at Conferences and Seminar (04)

1. Chaired a technical session in National Seminar on Web Based Technologies: Present & The Future, St. Bede’s College, April 2015, Shimla.
2. Chaired a session on Humanities, Literature and Art in Himalayan Studies Conference 2015 held at Shimla on 4th - 5th November, 2015.
3. Chaired a technical session in CSI-50th Golden Jubilee Annual Convention on "Digital Life" held at New Delhi from 2nd December to 5th December 2015.

4. Chaired a technical session in 3rd 2016 International Conference on Computing for Sustainable Global Development, IEEE, BVICAM, New Delhi, on 18th March 2016.

Events Organized (01)

1. Co-ordinated UGC sponsored 3-week refresher course on “ICT” Organized by Human Resource Development Centre (HRDC), Himachal Pradesh University, Shimla from 06th July 2015 to 25th July 2015.

Additional Academic Pursuits

- Co-ordinator Master of Technology (M. Tech.) Computer Science since 2011.
- Wrote Lessons of BCA, PGDCA, M.COM, MBA for ICDEOL, Himachal Pradesh University, Shimla.
- External Examiner & Paper Setter for various universities other than Himachal Pradesh University, Shimla.
- Guided approximately 70 software development projects of PGDCA students of ICDEOL.
- Guided approximately 90 MCA Students in the Major project work.
- Guided 18 M. Tech. students in the Minor/Major dissertation work.
- Worked as co-ordinator for conducting various entrance tests such as M.C.A., M. Tech. computer science department of Himachal Pradesh University, Shimla.
- Revised Syllabi of M. C. A., M. Tech. and B.C.A. of Himachal Pradesh University, Shimla.
- Prepared the syllabi of UG (Computer Science) subjects under Choice Based Credit System (CBCS).

Membership of Professional Bodies

- **Life Member** of Computer Society of India (CSI).
- **Member** of Society of Digital Information and Wireless Communications (SDWIC), USA.

Invited Talks

- Resource person to Academic Staff College, H. P. University, Shimla.
- Visiting faculty at University School of Business Studies (UCBS), Ava Lodge, Chaura Maidan, Shimla.

- Visiting faculty Institute of Management Studies (IMS) and Sociology department of H. P. University, Shimla.
- Resource person to 10 Days Workshop on Research Methodology in Social Science sponsored by ICSSR, New Delhi at H. P. University Shimla from 16 to 25 July 2013.
- Visiting faculty to MCA, PGDCA, BCA courses of ICDEOL, H. P. University, Shimla.
- Imparted computer training to non-teaching staff of H.P. University, Shimla.

Administrative Expertise

- Member of **Board of Studies** (PG & UG) in Computer Science, Himachal Pradesh University, Shimla.
- Ex-Member of **Faculty of Physical Sciences**, Himachal Pradesh University, Shimla.
- Member of **Internal Quality Assurance Cell (IQAC)**, Himachal Pradesh University, Shimla.
- Member of various **Inspection Committees**, Himachal Pradesh University, Shimla.
- Paper setter for various universities across India.

Additional Activities

- Participated in a panel discussion in one day national seminar cum colloquium on "Reforms in University Administration" at Himachal Pradesh University, Shimla on 24th May 2012.
- Paper reviewer for International Conference on Digital Information Processing, E-Business and Cloud Computing (DIPECC 2013) in Dubai, UAE held on October 23-25, 2013.

Personal Information

Father's Name: Sh. Swaroop Chand Ganpati
 Mother's Name: Smt. Pushpa Devi
 Marital Status: Married
 Address: B-38, Sector-2, New Shimla-171009 (H. P.)
 Telephone: 0177-2670554 (R), 0091-9459132308 (M)
 e-mail id: anitaganpati@gmail.com

(ANITA GANPATI)