

## **Profile of Prof. Raghuraj Singh**



1. **Name** : Raghuraj Singh
2. **Father's Name** : Sh. Baboo Singh Yadav
3. **Date of Birth** : July 01, 1967
4. **Category/Caste** : OBC (Yadav)
5. **Office Address** : Director,  
Kamla Nehru Institute of Technology,  
Sultanpur-228118  
Phone: 05362-240454
6. **Residential Address** : Type-IV/D-8, West Campus,  
HBTI Colony, Kanpur-208002  
Contact No.: 9415153745, 9721456082
7. **Email Address** : [raghurajsingh@rediffmail.com](mailto:raghurajsingh@rediffmail.com)  
Website: [www.raghuraj.info](http://www.raghuraj.info)

### **8. Educational Qualifications**

<b>Sr. No</b>	<b>Examination Passed</b>	<b>Board/ University</b>	<b>Year of Passing</b>	<b>% Marks</b>	<b>Division</b>
1.	Ph. D. (Computer Science & Engineering)	U. P. Technical University, Lucknow	2006		
2.	M. S. (Software Systems)	BITS, Pilani	1997	9.27/10 (CGPA)	I (Hons.)
3.	B. Tech.(Computer Science & Engineering)	HBTI, Kanpur	1990	78.3	I (Hons.)
4.	B. Sc.	Gorakhpur University	1986	72.2	I
5.	Intermediate	U.P. Board	1984	68.6	I
6.	High School	U. P. Board	1982	68.4	I

**Topic of the Ph.D. Thesis:** Analysis and Design of Methodologies for Software Quality/Reliability Measures.

## 9. Professional Experience: (24 Years approx.)

Sr. No.	Name of Employer	Designation & Pay Scale	Duration	Total Experience
1.	HBTI, Kanpur	Professor 37400 - 67000 AGP: 10000	18.01.2007 to Till date	7 Years & 8 Months
2.	HBTI, Kanpur	Associate Professor 37400 – 67000 AGP: 9000	01.01.2006 to 17.01.2007	1 Year
3.	HBTI, Kanpur	Assistant Professor 12000 – 18300 (unrevised)	26.11.1998 to 31.12.2005	7 Years & 1 Months
4.	C. R. State College of Engineering, Murthal, Sonapat	Lecturer 2200 – 4000 (unrevised)	03.09.1991 to 25.11.1998	7 Years & 3 Months
5.	Birla Technical Training Institute, Pilani	Lecturer 2200 - 4000 (unrevised)	17.08.1990 to 31.08.1991	1 Year

## 10. Administrative Experience

- Head of Department, Computer Science and Engineering Department, HBTI Kanpur, since February 06, 2013.
- Controller of Examination, HBTI, Kanpur since January, 2011.
- Nodal Officer, Dr. B. R. Ambedkar Engineering College of Information Technology, Bijnor, April, 2010 to January, 2011.
- Head of Department, Computer Science & Engineering Department, HBTI, Kanpur, September, 2007 to September, 2010.
- Registrar, HBTI, Kanpur, May, 2005 to May, 2006.
- Assistant Dean, Students' Welfare, HBTI, Kanpur, January 2005 to June 2005.
- Chief Proctor, HBTI, Kanpur, January, 2007 to March, 2008.
- Secretary, Alumni Association, HBTI, Kanpur during April 2011 to March 2013.
- Additional Centre Incharge, UPSEE-2012 Counselling, HBTI, Kanpur.
- Chairman, OBC Scholarship Committee, HBTI, Kanpur & Dr. BRAECIT, Bijnor.
- Centre Incharge, UPSEE-2011 Counselling, HBTI, Kanpur.
- Officer Incharge, Central Library, HBTI, Kanpur, January, 2011 to January, 2012.
- Dy. Co-ordinator, UPSEE-2008 and UPSEE-2009 Counselling, HBTI, Kanpur.

- Co-ordinator, National Mission on Education through Information and Communication Technology project of Govt. of India, HBTI, Kanpur.
- Treasurer, Alumni Association, HBTI, Kanpur during the year 2007-08 and 2008-09.
- Public Information Officer, HBTI, Kanpur, September, 2005 to May, 2006.
- Programme Incharge, IGNOU Programme Study Centre, Computer Science & Engineering Department, HBTI, Kanpur, April 2003 to April 2005.
- Co-Coordinator, Sustainability Support Scheme of the IMPACT Project of Department of Electronics, Government of India.
- Head of Department, Computer Science and Engineering Department, HBTI Kanpur, July, 2001 to September, 2004.
- Member, Flying Squad, GBTU, UPSEE, CPMT & GGS Indraprastha University Engineering & Medical entrance examinations.
- Member, various Enquiry & other Committees, HBTI, Kanpur.
- Warden, Lake View III Hostel, HBTI, Kanpur for two years.
- Coordinator, IGNOU Programme Study Centre, Computer Science & Engineering Department, HBTI, Kanpur for two years.
- Deputy Registrar (General Admin.), C. R. State College of Engineering, Murthal (Sonapat) for one year.
- Warden, Boys Hostel, C. R. State College of Engineering, Murthal (Sonapat) for three years.

### **11. Projects Undertaken**

- Worked as Principal Investigator of a project entitled “Design and Development of Internet Browsing System for Visually Challenged” sponsored by UGC, New Delhi under Major Research Project Scheme, Sanctioned amount 10.0 lakh.
- Worked as Coordinator of a project entitled “Advanced Software Development and Applications” sponsored by the AICTE, New Delhi under MODROBS scheme, Sanctioned amount 10.0 lakh.
- Worked as Chief Coordinator of a project entitled “Experimentation and Development of Software Reliability and Complexity Measurement Techniques”, jointly sponsored by the MHRD, Government of India, and AICTE, New Delhi, Sanctioned amount 5.0 lakh.
- Carried out M.S. (Software Systems) Dissertation work on Software Metrics and developed a “Software Metrics Analysis & Testing Tool” for the analysis of software written in ‘C’ language.
- Guided a number of projects to the students of B. Tech. Computer Science & Engineering, Information Technology and MCA.

## **12. Membership / Affiliations of Professional Bodies / Institutions**

- Life Member of the Indian Society for Technical Education (ISTE), No. LM21479.
- Fellow Member of the Institution of Engineers (India), No. F-117925-6.
- Fellow Member of the Institution of Electronics and Telecommunication Engineers (IETE), No. F160482.
- Professional member of Association for Computing Machinery (ACM), NO. 3404445.
- Senior Member of the Computer Society of India (CSI), NO. 00175767.
- Senior Member of International Association of Computer Science and Information Technology (IACSIT), Singapore.
- Member, Expert Committee, National Board of Accreditation (NBA), AICTE, New Delhi.
- Member, Board of Studies, Computer Science & Engineering, Information Technology and MCA programmes, U. P. Technical University, Lucknow.
- Member, RDC, Computer Science & Engineering, U. P. Technical University, Lucknow.
- Expert, Selection Committees for various posts at IIT, Kanpur.
- Member, Board of Studies, Computer Science & Information Technology, MJP Rohilkhand University, Bareilly.
- Member, Board of Studies, Department of Information Technology, UIET, CSJM University, Kanpur.
- Member, Board of Studies, MCA Department, UIET, CSJM University, Kanpur.
- Member, Executive Committee, Joint Entrance Examination Council, U.P.
- Member, Academic Advisory Body, ACME College of Engineering, Ghaziabad.
- Member, Board of Governors, IEC College of Engineering & Technology, Gautam Buddh Nagar, Greater Noida.
- Chairman, Computer Society of India (CSI), Kanpur Chapter since March, 2013.
- Member, RDC, Computer Science & Engineering, Uttarakhand Technical University, Dehradun.
- Technical Expert, Computer Science & Engineering, U.P. Public Service Commission, Allahabad.
- Technical Expert, Computer Science & Engineering, M.P. Public Service Commission, Bhopal.
- Member, Board of Studies, Computer Science & Engineering, Bundelkhand Institute of Engineering and Technology, Jhansi.
- Member, Board of Governors, Bundelkhand Institute of Engineering and Technology, Jhansi, for the year 2013-14.
- Member, Board of Studies, Rama University, Uttar Pradesh, Kanpur.

### **13. Ph.D. Supervision: 12**

#### **Completed: 08**

- Shubha Jain, "Measurement and Metrics for Object Oriented Software using Predictive Object Points", Uttarakhand Technical University, Dehradun. --- Thesis Submitted.
- Dr. Sukhdeep Singh, "Development of Methodologies for Testability Measures and Metrics of Object Oriented Software", Maharshi Dayanand University, Rohtak, 2014.
- Dr. Vibhash Yadav, "Assessment of Design/Quality Measures of Object Oriented Software", Uttarakhand Technical University, Dehradun, December 2013.
- Dr. Prabhat Verma, "Speech as Interface in Web-applications for Visually Challenged", Uttarakhand Technical University, Dehradun, January 2013.
- Dr. B. K. Sharma, "Watermarking for Copyright Protection for Software Codes", Shobhit University, Meerut, 2012.
- Dr. Devesh Srivastava, "Analysis and Design of Software Metric through Object Oriented Software Reengineering", Uttarakhand Technical University, Dehradun, 2012.
- Dr. Nanhay Singh, "Applications of Intelligent Web Mining Techniques and Web Traffic in Analysis of Modelling of Web Marketing Strategies", Kurukshetra University, Kurukshetra, 2012.
- Dr. K. P. Yadav, "Analysis and Design of Core Metrics for Modern Software Projects", Corllins University, USA, 2009.

#### **In Progress: 04**

- Anita Yadav, "Quality of Services (QoS) in Mobile Adhoc Networks Based on Link Prediction", U. P. Technical University, Lucknow.
- C. S. Yadav, "Software Metrics Set for Object Oriented Software", U.P. Technical University, Lucknow.
- Sheel Kumar, "Object Oriented Software Quality Enhancement Using Program Restructuring", Uttarakhand Technical University, Dehradun.
- Prashant Kumar Mishra, "Issues of Reliability in Mobile Agent based Systems", U.P. Technical University, Lucknow.

### **14. M. Tech. Supervision: 24**

#### **Completed: 21**

- Pratibha, "Direct Speech-Enabling the Public Utility Websites", Banasthali Vidyapeeth, Rajasthan, April 2014.
- Rekha Rani Tiwari, "Direct Speech-Enabling the Public Utility Websites", Banasthali Vidyapeeth, Rajasthan, April 2014.

- Divya Mishra, "Dependence Clusters in Object Oriented Programming Paradigm", Banasthali Vidyapeeth, Rajasthan, April 2014.
- R. P. Pandey, "To implement an architecture for making transferable e-cash schema and showing comparative study on different technologies", G.B. Technical University, Lucknow, 2014.
- Avinash Singh, "2-D Cursor Movement and Target Selection using EEG Based Brain Computer Interface", M. S. Software Systems, BITS, Pilani, December 2013.
- Pradeepika Verma, "Design and Development of Browsing System for Visually Challenged in Indian Context", Banasthali Vidyapeeth, Rajasthan, April 2013.
- Shilpa Tiwari, "Design and Development of Browsing System for Visually Challenged: Hindi Synthesizer", Banasthali Vidyapeeth, Rajasthan, April 2013.
- Danish Ather, "Transforming Sequential 'C' Applications to KAHN Process Network", G.B. Technical University, Lucknow, February, 2013.
- Haridarshini, "An Algorithm for Improving Quality Parameters for MANET Routing Protocol", G.B. Technical University, Lucknow, December 2013.
- Shilpi Khanna, "Modeling and Verification of Real-Time ATM Transactions using Unified Modeling Language", G.B. Technical University, Lucknow, 2012.
- Deepak Swain, "Fault-Tolerant Scheduling Techniques for Grid Computing Systems", G.B. Technical University, Lucknow, 2011.
- Pradeepta Kumar Sarangi, "Short Term Load Forecasting using Back Propagation Algorithm of Artificial Neural Networks: A Comparison with Genetic Algorithm Implementation", G.B. Technical University, Lucknow, 2011.
- Ritesh Khanna, "A Fuzzy Logic Based Improved Method for assessment of Function Points", G.B. Technical University, Lucknow, 2011.
- Ashish Sharma, "Study and Analysis of Density based Clustering Algorithms in Data Mining", U.P. Technical University, Lucknow, 2010.
- Prashant Mishra, "Design and Development of an Improved Software Complexity Metric", U.P. Technical University, Lucknow, 2010.
- Ankur Shree Agarwal, "Analysis & Design of a Framework for Domain-Specific Interface Mapper on Hidden Database", U.P. Technical University, Lucknow, 2010.
- Rakesh Dwivedi, "MVDR Beamformer Implementation on GPU (Graphical Processing Unit) - A case study for parallelizing real time system for performance improvement", U.P. Technical University, Lucknow, 2010.
- Deepak Verma, "A Trust and Load Balancing Peer to Peer System", U.P. Technical University, Lucknow, 2010.
- Priya Mishra, "Analysis and Development of an Enhanced approach for Effective whole Path Impact", U.P. Technical University, Lucknow, 2010.

- Prabhat Verma, “A Quality Assessment Model for Object Oriented Software System”, U.P. Technical University, Lucknow, 2008.
- Mamta Tiwari, “Implementation and Analysis of Software Reliability Allocation Models”, U.P. Technical University, Lucknow, 2006.

**In Progress: 03**

- Neeraj Kumari, “Evaluation of Metrics and Assessment of Quality of Object Oriented Software”, U.P. Technical University, Lucknow.
- Praveen Gupta, “Study and Implementation of Proactive and Reactive Routing Protocols in MANETs”, U.P. Technical University.
- Sapna Verma, “An Efficient Filtering Approach for Information Discovery on the Web”, U. P. Technical University, Lucknow.

**15. Research Papers / Publications: 97**

**International Journals: 55**

1. Anil Kumar Yadav, Rama Shankar Yadav and Raghuraj Singh, “New Heuristic Algorithms for Constructing Connected Dominating Set in Wireless Ad hoc Networks,” International Journal of Electronics (Taylor & Francis Group).  
--- Submitted revised manuscript dated 07 August 2014 for review.
2. Anil Yadav, Rama Shankar Yadav, Raghuraj Singh, and Ashutosh Singh, "Connected Dominating Set for Wireless Ad Hoc Networks: A Survey", International Journal of Engineering Systems Modelling and Simulation (IJESMS), Inderscience Publication, 2014. --- Accepted for publication
3. Chandra Shekhar Yadav, Raghuraj Singh, Yaduvir Singh “Reliability analysis of object oriented systems using vague lambda-tau modeling” Int. J. Fuzzy Computation and Modelling, InderScience Publication --- In Press.
4. Danish Ather, Raghuraj Singh, Vinodani Katiyar, “Simplifying Designing Techniques to Design DFA that accept Strings over  $\Sigma=\{ a, b\}$  Having at least x Number of a and y Number of b”, International Journal of Computer Applications (IJCA), Published by Foundation of Computer Science, U.S.A. Vol. 91, No. 7, April 2014.
5. Anil Kumar Yadav, Rama Shankar Yadav, Raghuraj Singh and Ashutosh Kumar Singh, “Efficient topology control scheme for wireless ad hoc networks,” Int. J. Computational Intelligence Studies, Inderscience Publication, Vol. 3, No. 1, Pages 94-109, 2014.
6. Danish Ather, Raghuraj Singh, Vinodani Katiyar, “A Simplified Solution to Design DFA that accept Strings over input symbol  $\{a, b\}$  having at least x Number of a and Exactly x Number of b”, International Journal of Computer Applications (IJCA), Vol. 2, Issue 1, April 2014.

7. Prashant Kumar Mishra, Raghuraj Singh, "A Survey on Reliability Estimation Techniques for Mobile Agent Based Systems", International Journal of Advanced Computer Research (IJACR), Vol. 4, No. 1, Issue 14, pp. 123-133, March 2014.
8. Chandra Shekhar Yadav, Raghuraj Singh "Prediction Model for Object Oriented Software Development Effort Estimation Using One Hidden Layer Feed Forward Neural Network with Genetic Algorithm" International Journal of Advances in Software Engineering, Vol. 2014, pp. 1-6, Hindawi Publishing Corporation 2014.
9. Chandra Shekhar Yadav, Raghuraj Singh "Tuning of COCOMO II Model Parameters for Estimating Software Development Effort using GA for PROMISE Project Data Set" International Journal of Computer Applications (ISSN: 0975-8887), Vol. 90, No. 1 pp. 37-43 Foundation of Computer Science, New York, USA, 2014.
10. Chandra Shekhar Yadav, Raghuraj Singh "Implementation of Prediction Model for Object Oriented Software Development Effort Estimation using One Hidden Layer Neural Network" International Journal of Advanced Computer Research (ISSN (print): 2249-7277 ISSN (online): 2277-7970) Vol. 4 Issue-14, pp. 157-166, March 2014.
11. Shubha Jain, Raghuraj Singh, "Identifying a Direct Relationship between Predictive Object Points (POP) Count and Source Lines of Code (SLOC) for OO Software", International Journal of Advanced Research in Computer Science and Software Engineering, Impact Factor: 2.080, Vol. 4, Issue 3, pp. 835-839, March 2014.
12. Shubha Jain, Vijay Yadav, Raghuraj Singh, "Mapping Predictive Object Points(POP) with Software Size in OO Environment", International Journal of Enhanced Research in Science, Technology & Engineering, ISSN No: 2319-7463, Impact Factor: 1.252, Vol. 3, Issue 1, pp. 395-399, January 2014.
13. Shubha Jain, Vijay Yadav, Raghuraj Singh, "Assessment of Predictive Object Points (POP) Values for Java Projects". International Journal of Advanced Computer Research ISSN (print): 2249-7277, ISSN (online): 2277-7970, Impact Factor 1.863, Vol. 3 No. 4 Issue 13, December 2013.
14. Prabhat Verma, Avinash Kumar Singh, and Raghuraj Singh, "A Framework to Integrate Speech based Interface for Blind Web Users on the Websites of Public Interest", Human Centric Computing and Information Sciences: A SpringerOpen International Journal, Vol 3 No. 21, DOI: 10.1186/2192-1962-3-21, 2013.
15. Shubha Jain, Vijay Yadav, Raghuraj Singh., "OO Estimation through Automation of the Predictive Object Points Sizing Metric", International Journal of Computer Engineering and Technology (IJCET), ISSN 0976- 6367 (Print), ISSN 0976 – 6375 (Online), Vol. 4, Issue 3, pp. 410-418, May – June 2013.
16. Nirvikar Katiyar, and Raghuraj Singh, "Prediction of Number of Faults and Time to Remove Errors", International Journal of Computational Engineering Research (IJCER), Vol. 3, No. 4, pp. 57-65, April 2013.



17. Sukhdip Singh, Rajive Kumar, and Raghuraj Singh, "RTM: A Relation Based Testability Metrics for Object Oriented Software", International Journal of Computer Applications (ISSN 0975-8887), Published by Foundation of Computer Science, New York, USA, Vol. 67, No. 8, pp. 50-56, April 2013.
18. Danish Ather, Raghuraj Singh, Vinodani Katiyar, "An Efficient Algorithm to Design DFA That Accept Strings over Input Symbol a, b Having exactly x Number of a & y Number of b", IEEE Catalogue Number: CFP1362U-CDR, March 2013.
19. Vibhash Yadav, and Raghuraj Singh, "Validating Extensibility of the Object-Oriented Software using Fuzzy Computing Techniques", International Journal of Computer Applications (ISSN 0975-8887), Published by Foundation of Computer Science, New York, USA, Vol. 65, No. 25, pp. 23-27, March 2013.
20. Danish Ather, Raghuraj Singh, Vinodani Katiyar, "An Efficient Algorithm to Design DFA that Accept Strings Over Input Symbol a, b having at the most x number of a & y number of b", JNIS World Science Publishers, U.S.A., February, 2013.
21. Danish Ather, Raghuraj Singh, Vinodini Katiyar, "To Develop an Efficient Algorithm that Generalize the Method of Design of Finite Automata that Accept "N" base Number such that when "N" is Divided by "M" Leaves Remainder "X", International Journal of Computer Applications (ISSN 0975-8887), Published by Foundation of Computer Science, New York, USA, Vol. 60, No. 10, pp. 37-40, December 2012.
22. C. S. Yadav and Raghuraj Singh, "Analysis of Coupling Measures in Weighted Object Relation Diagram (WORD)", International journal of Information Technology & Systems, (ISSN: 2277: 2277-9825), Vol.1, No.2, pp. 103-109, July 2012.
23. Sukhdip Singh, Rajive Kumar, Raghuraj Singh, "Average Temporal Complexity: A Runtime Testability Metric for Measuring the Testability of Object Oriented Software", International Journal of Interactive Computer Communication (ISSN No. 2250 –2661), Vol. 01, No. 02, pp. 25-29, June 2012.
24. Prabhat Verma, Avinash Kumar Singh, and Raghuraj Singh, "A Framework for the Next Generation Screen Readers for Visually Impaired", International Journal of Computer and Applications (IJCA), Vol. 47, No. 10, pp. 31-38, June 2012.
25. Danish Ather, Raghuraj Singh, Vinodani Katiyar, "Transformation of Sequential Program to KPN - An Overview", International Journal of Computer Applications (ISSN 0975-8887), Published by Foundation of Computer Science, New York, USA, Vol. 40, No. 17, pp. 43-49, February 2012.
26. Devesh Kumar Srivastava, Durg Singh Chauhan, Raghuraj Singh, "VRS Model: A Model for Estimation of Efforts and Time Duration in Development of IVR Software System", International Journal of Software Engineering (ISSN (Print): 1687-6954 ISSN (Online): 2090-1801), Vol. 5, No. 1, pp. 27-46, January 2012.

27. Prabhat Verma, Raghuraj Singh, and Avinash Singh, "SICE: An Enhanced Framework for Design and Development of Speech Interfaces on Client Environment", *International Journal of Computer Applications* (ISSN 0975 – 8887), Published by Foundation of Computer Science, New York, USA, Vol. 28, No.3, pp. 1-8, August 2011.
28. Shubha Jain, Praveen Kumar Tripathi, and Raghuraj Singh, "Merging of Object-Oriented Paradigm and the Software Product Measurement Process: An Overview", *International Journal of Information Technology & Knowledge Management* (ISSN 0973-4414), Vol. 4, Issue 2, pp. 613-621, June 2011.
29. B. K. Sharma, R. P. Agarwal, and Raghuraj Singh, "Copyright Protection of Online Application using Watermarking", *International Journal of Computer Applications* (ISSN 0975-8887), Published by Foundation of Computer Science, New York, USA, Vol. 18, No. 4, pp. 26-30, March 2011.
30. Raghuraj Singh, and Vibhash Yadav, "An Integrated Approach to Software Reliability Allocation", *International Journal of Engineering Sciences and Management* (ISSN No. 2231-3273), Volume 1, Issue 1, pp. 15-19, February 2011.
31. Devesh Kumar Srivastava, Durg Singh Chauhan, Raghuraj Singh, "Square Model: A Proposed Software Process Model based on BPO Software Applications", *International Journal of Computer Applications* (ISSN 0975-8887), Published by Foundation of Computer Science, New York, USA, Vol. 13, No. 7, pp. 33-36, January 2011.
32. Nirvikar Katiyar, and Raghuraj Singh, "Detection of Software Faults", *VSRD International Journal of Computer Science & Information Technology* (ISSN 2231-2471), Vol. 1, No. 6, pp. 1-12, 2011.
33. Nirvikar Katiyar, and Raghuraj Singh, "Automatic Faults Detection and Correction to Maintain Quality of Software", *VSRD International Journal of Computer Science & Information Technology* (ISSN 2231-2471), Vol. 1, No. 6, pp. 1-15, 2011.
34. Nirvikar Katiyar, and Raghuraj Singh, "Effect of Neural Network for Prediction of Software Reliability", *VSRD International Journal of Computer Science & Information Technology* (ISSN 2231-2471), Vol. 1, No. 13, pp. 1-9, 2011.
35. Raghuraj Singh, and C. S. Yadav, "Software Metrics Set for Object Oriented Systems", *International Journal of Software Project Management and Quality Assurance (JSMQA)*, Vol. 1, No. 2, pp. 79-83, July-December 2010.
36. Shruti Sandal, Dr. Raghuraj Singh, Abdul Jabbar Khilji, Shashi Shekhar Ranga, Sanjay Tejasvee, "An Abstract memory model describing the interaction between thread and memory with debugger tools", *International Journal of Computer Science & Information Technologies*, Vol. 1, Issue 5, pp. 324-328, November 2010.
37. Nanhay Singh, Dr. R K Chauhan and Dr. Raghuraj Singh, "Inference Document Type (DTD) From XML Document: Web Structure Mining. *International Journal of Computer Applications*, Vol. 7, Issue 9, pp. 6–9, October 2010.

38. Shubha Singh, Pradeep Rai, and Raghuraj Singh, "RESOLVE: Impervious Trusted Semantic Web", International Journal of Computer Applications (ISSN 0975-8887), Published by Foundation of Computer Science, New York, USA, Vol. 5, Issue 9, pp. 10-14, August 2010.
39. Nanhay Singh, R. K. Chauhan, Raghuraj Singh, Navin Kumar Tyagi, A. K. Solanki, and Deepak Kumar Swain, "A Theme on Web Marketing through Web Traffic", ARPN Journal of Engineering and Applied Sciences, Vol. 5, No. 4, pp. 21-29, April 2010.
40. C. S. Yadav, Raghuraj Singh, Prabhat Verma, and Vibhash Yadav, "Optical Character Recognition (OCR) for Printed Devanagari Script using Artificial Neural Network", International Journal on Computer Science and Communication, Vol. 1, No. 1, pp. 91-95, January-March 2010.
41. **K. P. Yadav and Raghuraj Singh, "Analysis and Design of Core Metrics for Modern Software Projects", International Journal of Information Technology & Knowledge Management, ISSN 0973-4414, Vol. 2, No. 2, pp. 277-281, December 2009.**
42. Nanhay Singh, Pradeepta Kumar Sarangi, R. K. Chauhan, and Raghuraj Singh, "Short Term Load Forecasting using Artificial Neural Network: A Comparison with Genetic Algorithm Implementation" Asian Research Publishing Network (ARPN) Journal of Engineering and Applied Sciences, Vol. 4, No. 9, pp. 88-93, November 2009.
43. K. P. Yadav and Raghuraj Singh, "A New Technique for Software Project Estimation", International Journal on Computer Engineering and Information Technology, ISSN 0974-2034, Vol. 03, No. 4, pp. 88-99, March-May 2009.
44. Nanhay Singh, Raghuraj Singh, and R. K. Chauhan, "Web Content Filtering through Squid Proxy Server", International Journal of Advanced Computer Engineering (IJACE), Vol. 2, No. 2, January 2009.
45. Pradeepta Kumar Sarangi, Nanhay Singh, Deepak Swain, R. K. Chauhan, and Raghuraj Singh, "Short Term Load Forecasting using Neuro Genetic Hybrid Approach: Result Analysis with different Network Architectures" Journal of Theoretical and Applied Information Technology (E-ISSN 1817-3195 / ISSN 1992-8645), Vol. 10, No. 2, pp. 109-116, January 2009.
46. Raghuraj Singh, and Vibhash Yadav, "A Critical Analysis of Strength of Design Measures of Modular Design Architecture Based Software", Journal of Conceptual Modeling, USA, Issue 37, September 2006.
47. Raghuraj Singh, Yogesh Singh, and Onkar Singh, "A Fuzzy Logic and Expert Opinion Aggregation Based Methodology for Ranking of Software Reliability Measures", Journal of Conceptual Modeling, USA, Issue 36, August 2005.
48. Raghuraj Singh, Yogesh Singh, and Onkar Singh, "A Reliability Assessment Model for Switched-Chaining Type Modular Design Based Software Systems", Journal of Conceptual Modeling, USA, Issue 35, May 2005.

49. Raghuraj Singh and Yogesh Singh, "Fuzzy Multilevel Multicriteria Methodology for Reliability Apportionment of Modular Design Based Software", Far East Journal of Mathematical Sciences, Vol. 12, No. 3, pp. 311-331, March 2004.
50. Raghuraj Singh and Yogesh Singh, "Information Theory Based Measure of Software Complexity and its Impact on Software Reliability", Far East Journal of Mathematical Sciences, Vol. 9, No. 1, pp. 9-24, 2003.
51. Raghuraj Singh, Yogesh Singh, Upmanyu Misra, and U. D. Gundevia, "Fuzzy Multilevel Methodology for Reduction of Complexity of Software Reliability and Utility Equations", Journal of Ultra Scientist of Physical Science, Vol. 15, No. 1, pp. 15-34, March 2003.
52. Raghuraj Singh and Yogesh Singh, "A Reliability Model for Modular Design Based Software Systems", Journal of Ultra Scientist of Physical Sciences, Vol.14, No. 2, pp. 210-217, August 2002.
53. Raghuraj Singh and Yogesh Singh, "On the Degree of Approximation of a Function belonging to Lip  $\alpha$  Class by  $K^\lambda$  Summability Means of its Fourier Series", Journal of Ultra Scientist of Physical Sciences, Vol.14, No. 1, pp. 83-88, April 2002.
54. Raghuraj Singh and Yogesh Singh, "On Almost (N,P,q) Summability of Derived Fourier Series", ACTA CIENCIA INDICA, Vol. XXVIII, No. 4, pp. 509-516, March 2002.
55. Raghuraj Singh and Yogesh Singh, "The Degree of Approximation of a Function belonging to Lipchitz Class by Matrix Summability Means of Conjugate Fourier Series", Journal of Ultra Scientist of Physical Sciences, Vol.13, No. 3, pp. 314-319, December 2001.

#### **International Conferences: 24**

1. Anil Kumar Yadav, Rama Shankar Yadav and Raghuraj Singh, "Simple Improved Algorithms for CDS in Wireless Ad Hoc Networks", International Conference on Physical Science and Technology for Sustainable Development (CONIAPS-2014), organized by Indian Institute of Information Technology Design & Manufacturing, Jabalpur, March 20-22, 2014.
2. Shubha Jain, Raghuraj Singh, "Predictive Object Point (POP): A better size estimator for OO software", International Conference on Advances in Engineering and Technology (ICAET-2014) organized by IRED and Roorkee Institute of Technology in association with Uttarakhand Technical University, May 24-25, 2014.
3. Shubha Jain, Vijay Yadav, Raghuraj Singh, "An Approach for OO Software Size Estimation using Predictive Object Point Metrics", IEEE sponsored 8th International Conference on "Computing for Sustainable Global Development (INDIACom-2014), organized by Bharati Vidyapeeth Institute of Computer Applications and Management, New Delhi, published by IEEE Xplore ISSN 0973-7529 & ISBN 978-93-80544-10-6 serials, March 5-7, 2014.
4. Shubha Jain, Vijay Yadav, Raghuraj Singh, "A Simplified Formulation of Predictive Object Points (POP) Sizing Metric for OO Measurement", 4th IEEE International Advance

- Computing Conference (IACC 2014), organized by IEEE Computer Society, Gurgaon, India, published by IEEE Xplore ISBN 978-1-4799-2571-1, February 21-22, 2014.
5. Shubha Jain, Shantanu Pant, Raghuraj Singh, “An Automated Software Cost and Schedule Measurement Tool for OO system using Predictive Object Point Sizing Metrics”, 7th International Conference on Advanced Computing & Communication Technologies (ICACCT-2013), sponsored by IETE and Computer Society Chapter IEEE Delhi Section, ISBN: 978-93-83083-38-1, Vol.2, Page No 175-179, November 2013.
  6. Shubha Jain, Preeti Katiyar, Raghuraj Singh, “An Integration and Optimization of Software Metric Tools”, 7th International Conference on Advanced Computing & Communication Technologies (ICACCT-2013), sponsored by IETE and Computer Society Chapter IEEE Delhi Section, ISBN: 978-93-83083-38-1, Vol.2, Page No. 158-163, November 2013.
  7. Danish Ather, Raghuraj Singh, and Vinodani Katiyar, “An Efficient Algorithm to Design DFA that accepts Strings over Input Symbol ‘a’, ‘b’ having atleast ‘x’ number of ‘a’ and ‘y’ number of ‘b’”, International Conference on Information Systems and Computer Networks (ISCON-2013), organized by IEEE U. P. Section and Computer Society of India (CSI), G.L.A. University, Mathura, March 9-10, 2013.
  8. Vibhash Yadav and Raghuraj Singh, “Predicting Design Quality of Object-Oriented Software using UML Diagrams”, International Advance Computing Conference (IACC-2013), organized by IEEE Computer Society, India Council, Ajay Kumar Garg Engineering College, Ghaziabad, February 22-23, 2013.
  9. Prabhat Verma and Raghuraj Singh, “A Framework for Performance Evaluation of Internet Assistive Tools for Blind Users”, International Conference on Advances in Electronics, Electrical and Computer Science Engineering (EEC-2012) organized by the Institute of Engineers and Doctors, and Uttarakhand Technical University, Dehradun, July 7-9, 2012.
  10. Vibhash Yadav and Raghuraj Singh, “Validating Object Oriented Design Quality using Software Metrics”, International Conference on Advances in Electronics, Electrical and Computer Science Engineering (EEC-2012) organized by the Institute of Engineers and Doctors, and Uttarakhand Technical University, Dehradun, July 7-9, 2012.
  11. B. K. Sharma, R. P. Agrawal, and Raghuraj Singh, “An Efficient Software Watermark by Equation Reordering and FDOS”, International Conference on Soft Computing for Problem Solving (SocPros-2011), organized by I.I.T. Roorkee, December 20-22, 2011, published by SpringerLink in the Advances in Intelligent and Soft Computing, Vol. 131/2012, Page 735-745, 2012.
  12. Anil Yadav, Rama Shanker Yadav, and Raghuraj Singh, “Topology Control in Wireless Ad Hoc Networks”, International Conference on Soft Computing for Problem Solving (SocPros-2011), organized by I.I.T. Roorkee, December 20-22, 2011, published by SpringerLink in the Advances in Intelligent and Soft Computing, Vol. 130/2012, Page 907-918, 2012.

13. Raghuraj Singh and C.S. Yadav, "Reliability of Object Oriented Systems with Markov Transfer of Control", International Conference on Computer and Management CAMAN-2011, organised by IEEE Wuhan Section & Wuhan University, Wuhan, China, published in IEEE Explore, Page 1-3, May 19-21, 2011.
14. Anil Kumar Yadav, Raghuraj Singh, and Ashutosh Singh, "A Novel Approach for Energy Management in Wireless Ad-hoc Network by Topology Control", Information and Communication Technology World Congress (WICT-2011), organized by IEEE Mumbai, published in IEEE Explore, Print ISBN 978-1-4673-0127-5, page 1334-1339, December 11-14, 2011.
15. Anil Kumar Yadav, Rama Shankar Yadav, Raghuraj Singh, "Efficient Construction of Connected Dominating Set in Wireless Ad hoc Network," International Conference on Advances in Modeling, Optimization and Computing (AMOC-2011), IIT, Roorkee, December 5-7, 2011.
16. Prabhat Verma, Raghuraj Singh, Avinash Kumar Singh, Vibhash Yadav, and Aditya Pandey, "An Enhanced Speech-based Internet Browsing System for Visually Challenged", IEEE International Conference on Computer & Communication Technology (ICCCCT-2010), Page 724-130, MNNIT, Allahabad, September 17-19, 2010.
17. Raghuraj Singh, Prabhat Verma, Vibhash Yadav, and Avinash Singh, "TC-GXML - A Transcoder for HTML to XML Grammar", Published in IEEE Explore and presented in International Conference on Data Storage and Data Engineering (DSDE-2010), Bangalore, Page 34-38, February 9-10, 2010.
18. Chandra Shekhar Yadav, Raghuraj Singh, "Software Metrics Set for Object Oriented System", International Conference on Computing Update and Trends, February 6, 2010.
19. Raghuraj Singh, Prabhat Verma, Vibhash Yadav, and Avinash Singh, "WACTA: A Speech-based Web Browser for Visually Challenged", Published by Springer and presented at Second IEEE International Conference on Intelligent Human Computer Interaction (IHCI-2010), IIIT, Allahabad, January 16-18, 2010.
20. Pradeepta Kumar Sarangi, Nanhay Singh, R. K. Chauhan, and Raghuraj Singh, "Short Term Load Forecasting Using Artificial Neural Network", 1st International Conference on Management of Technologies & Information Security (ICMIS-2010), IIIT, Allahabad, January 21-24, 2010.
21. Vibhash Yadav, Prabhat Verma, N. N. Das, and Raghuraj Singh, "Key Factors for Increase of Design Quality in Rule Based Object Oriented Software", IEEE International Conference on Innovative Technologies (ICIT-2009), Page 322, P. D. M. College, Bahadurgarh, Haryana, June 18-19, 2009.
22. Anant Ram, Ashish Sharma, Raghuraj Singh, Anand S. Jalal, and Ankur Agarwal, "An Enhanced Density Based Spatial Clustering of Applications with Noise", Proceedings of

IEEE International Advance Computing Conference (IACC 2009), Page 3731-3734, Thapar University, Patiala, India, March 6-7, 2009.

23. Prabhat Verma, Vibhash Yadav, and Raghuraj Singh, "Use of Dependence Matrix for assessment of Object Oriented Software Design Quality", IEEE International Advance Computing Conference (IACC 2009), Page 2351-2354, Thapar University, Patiala, India, March 6-7, 2009.
24. Raghuraj Singh, Yogesh Singh, and Onkar Singh, "Genetic Algorithm Based Methodology for Software Reliability Allocation", SCRA2004: International Conference on Interdisciplinary Mathematics, Lucknow, December 27-29, 2004.

#### **National Journals: 05**

1. B. K. Sharma, R. P. Agarwal, and Raghuraj Singh "Watermarking techniques for RDBMS" Published in Journal of Computer Application (JCA), AKG Engineering College, Ghaziabad, Volume 4, March 2012.
2. B. K. Sharma, R. P. Agrawal, and Raghuraj Singh, "An IPR of Software Codes using Watermarking for Modular Programming", ISST National Journal of Mathematics and Computing Systems, Vol. 1, No. 1, pp. 55-58, January-June 2010.
3. C. S. Yadav and Raghuraj Singh, "Performance Evaluation of Information Systems", NIET Journal (Engineering & Technology), pp. 63-65, Autumn 2010.
4. Raghuraj Singh, Yogesh Singh, and Onkar Singh, "A Methodology for Ranking of Software Reliability Measures", Journal of The Institution of Engineers, Computer Science Division, Vol. 87, pp. 14-20, November 2006.
5. Raghuraj Singh, Yogesh Singh, and Onkar Singh, "A Hierarchical Model for Design Reliability Assessment of Modular Design Based Software", ICFAI Journal of Systems and Management, Vol. III, No. 2, pp. 20-29, May 2005.

#### **National Conferences: 13**

1. Raghuraj Singh, "Reliability Issues in Software Development Process", Proceedings of National Conference on "Information Security and Software Engineering" organized by Department of Computer Science, University of Lucknow, Lucknow, Page 51-57, March 10-11, 2014.
2. Anita Yadav, Y. N. Singh, and Raghuraj Singh, "Dynamic Power Control Wireless MAC Protocol for Adhoc Networks", Proceedings of the National Level Seminar on "Internet Security and Cyber Laws" organised by Department of Computer Science & Engineering, HBTI Kanpur, Page 99-102, April 5-6, 2014.
3. Sandeep Singh, Anita Yadav and Raghuraj Singh, "A Survey of Inbuilt DDOS Defence Mechanism in Mainstream Operating Systems", Proceedings of the National Level Seminar

on “Internet Security and Cyber Laws” organised by Department of Computer Science & Engineering, HBTI Kanpur, Page 167-170, April 5-6, 2014.

4. B. K. Sharma, R. P. Agarwal and Raghuraj Singh, “An IPR of an Image using Watermarking”, Proceedings of Second National Conference on Global Trends and Innovations in Computer Applications & Information (CICON-2011), April 9-10, 2011.
5. B. K. Sharma, R. P. Agarwal and Raghuraj Singh, “An Intellectual Property Right of Software Codes using Watermarking for Structured Programming”, Proceedings of First National Conference on Emerging Trends in Advanced Computing and Informatics, Shobhit University, Meerut, May 08-09, 2010.
6. B. K. Sharma, R. P. Agarwal and Raghuraj Singh, “A New Technique for Copyright Protection of Software Codes using Watermarking”, Proceedings of National Conference on Recent Developments in Engineering Mathematics and Information Technology (NCRDEM-IT 2009), Poornima Engineering College, Jaipur, December 25-26, 2009.
7. Dilkeswar Pandey, Meena Chauhan and Raghuraj Singh, “How to Design an Effective Mobile Agent”, Proceedings of National Conference on Technologies and Trends in Advance Computing, Ideal Institute of Technology, Ghaziabad, May 02-03, 2008.
8. Prabhat Verma, Vibhash Yadav and Raghuraj Singh, “A Quality Suite for Rule Based Object Oriented Systems”, Proceedings of National Conference on Information Security & Mobile Computing, ABES Engineering College, Ghaziabad, February 03-04, 2008.
9. Anita Yadav, Vibhash Yadav and Raghuraj Singh, “Security in Mobile Adhoc Networks”, Proceedings of National Conference on Information Security & Mobile Computing, ABES Engineering College, Ghaziabad, February 03-04, 2008.
10. Narendra Kohli and Raghuraj Singh, “Impact of Information Technology on Education-A Case Study”, Proceedings of Eighteenth Indian Engineering Congress: Role of Engineers in All-Round Development of the Nation, December 19-21, 2003.
11. Raghuraj Singh, Upmanyu Misra, Tushar Chandra and Ushhan D. Gundevia, “Fuzzy Logic, Control and it’s Automotive Applications”, Proceedings of National Seminar on Soft Computing, Jodhpur, February 15-17, 2002.
12. Raghuraj Singh, “Cyclomatic Complexity Through Control Flowgraph”, Proceedings of National Seminar on Efficient use of Electric Motors, Generators and Drives for Industries and Utilities for the purpose of achieving saving in Energy, C. R. State College of Engineering, Murthal (Sonapat), February 16, 1997.
13. Raghuraj Singh, “Concurrent Read and write Operations in AVL Trees”, Proceedings of National Symposium on Computer Applications in Management & Modern Technological Developments, Regional Engineering College, Kurukshetra, October 13, 1996.



## **16. Reviewer of the Journals, Books & Conference Papers: 16**

### **Reviewer of the Journals: 04**

- “International Journal of Computer Theory and Engineering (IJCTE)”, a scholarly open access, peer-reviewed, interdisciplinary, quarterly and fully refereed journal published by the International Association of Computer Science and Information Technology (IACSIT), Singapore.
- “International Journal of the Physical Sciences (IJPS)” (ISSN 1992-1950) an open access and peer-reviewed monthly journal published by the Academic Journals.
- “Journal of Mathematics and Systems Sciences” published by the Kurukshetra University, Kurukshetra, Haryana.
- “Central European Journal of Computer Science”, ISSN: 1896-1533 (print version), ISSN: 2081-9935 (electronics version), published by Versita: Emerzing Science Publishers, Co-published with Springer Verlag.
- “International Journal of Advanced Computer Science and Applications (IJACSA)” U.S. ISSN: 2156-5570 (Online) and U.S. ISSN: 2158-107X (Print), published by The Science and Information Organization, USA.

### **Reviewer of the Books: 08**

- Four chapters of the book “Software Engineering: A Practitioner’s Approach” by R. S. Pressman, sixth edition, published by McGraw-Hill publication.
- Book titled “Object Oriented Software Engineering: Practical Software Development using UML and Java” by T. C. Lethbridge and R. Langanieri published by Tata McGraw-Hill publication.
- Book titled “Theory of Automata and Formal Languages” published by Cengage Learning Publication.
- Book titled “Software Engineering” by Stephen Schach” published by McGraw-Hill publication.
- Four chapters of the script of a book “Programming Languages” published by McGraw-Hill publication.
- Three chapters of the script of a book “Formal Languages and Automata Theory”, published by McGraw-Hill publication.
- Three chapters of the script of a book “Client/Server based Projects”, published by Orient BlackSwan Private Limited formerly Universities Press, Hyderabad.
- Customized a book titled “Computer Concepts and Programming in C” as per the syllabus of subject code ECS-101/201 of G.B. Technical University, Lucknow and Mahamaya Technical University NOIDA.

### **Reviewer of the Conference Papers: 06**

- Member, Program Committee, “9th IEEE International Conference on Industrial and Information Systems (ICIIS-2014)”, organised by Atal Bihari Vajpayee Indian Institute of Information Technology and Management Gwalior, India during December 15-17, 2014.
- Member, Program Committee, “1st International Conference on Information Systems and Computer Networks (ISCON-2013)”, organised by GLA University, Mathura during March 9-10, 2013.
- Member, National Advisory Committee, “3<sup>rd</sup> IEEE International Advance Computing Conference (IACC-2013)” organized by Ajay Kumar Garg Engineering College, Ghaziabad during February 22-23, 2013.
- Member, Technical Committee, Workshop on “Development of Competence in Technical Education” organized by G.B. Technical University, Lucknow during January 17-18, 2013.
- Member, National Advisory Board, “2<sup>nd</sup> International Conference on Issues and Challenges in Networking, Intelligence and Computing Technologies (ICNICT-2012)” organized by Krishna Institute of Engineering and Technology & TBI-KIET, Ghaziabad, India in association with Computer Society of India (CSI) – Ghaziabad Chapter during September 7-8, 2012.
- IEEE Sponsored Conference titled “Students’ Conference on Engineering and Systems (SCES-2012)” organised by MNNIT, Allahabad, UP, India, March 16-18, 2012.
- Member, Program Committee, “7<sup>th</sup> National Conference on Advancement of Technologies – Information Systems & Computer Networks (ISCON-12)”, organised by Department of Computer Engineering & Applications, GLA University, Mathura, March 3-4, 2012.
- “International Conference on Machine Learning and Computing (ICMLC-2011)”, organised by the IEEE in Singapore, February 26-28, 2011.
- “International Conference on Information Systems for Indian Languages (ICISIL-2011)”, organised by the Department of Computer Science, Punjabi University, Patiala, March 9-11, 2011.

### **17. Honours /Awards**

- Conferred the “Dr. Kalam Award” by the Charitable Help Foundation and District Magistrate of Kannauj for excellent work in the field of social service (development of an internet browsing system for visually challenged persons) during 5<sup>th</sup> Talent Honour Function organised on October 20, 2013.
- Guest of Honour, Workshop on “Ethical Hacking and Forensics” organised by Department of Computer Science & Engineering, CSJM University, Kanpur during April 12-13, 2014.

- Guest of Honour & Keynote Speaker, National Conference on “Information Security and Software Engineering” organized by Department of Computer Science & Engineering, Lucknow University, Lucknow during March 10-11, 2014.
- Guest of Honour, Workshop on “ Artificial Neural Networks and Pattern Recognition using MATLAB”, organised by Department of Information Technology, CSJM University, Kanpur during March 8-9, 2014.
- Guest of Honour, Workshop on “Introduction to Software System & Computer Network”, Ambedkar Institute of Technology for Handicapped, Kanpur, October 9-10, 2013.

### **18. Invited/Expert Lectures**

- “Cyber Laws in India: A Critical Analysis”, National Level Seminar on “Internet Security and Cyber Laws” organized by the Department of Computer Science & Engineering, HBTI, Kanpur during April 5-6, 2014.
- “Accreditation and Assessment of Engineering Institutions”, and “Autonomy in Higher Engineering Institutions”, FDP on “Engineering Education: Opportunities, Challenges & Future Directions”, organized by Department of Mechanical Engineering, HBTI Kanpur during March 7-12, 2014.
- “Analysis & Modeling of Software Systems” and “Optimization of Software Codes”, FDP on “Digital Signal Processing using MATLAB, organized by Department of Electronics Engineering, HBTI Kanpur during January 6-10, 2014.
- “Modeling and Simulation of Software Systems” and “Modeling of Optimal Software Reliability Allocation Problem using Genetic Algorithm”, FDP on “Simulation, Modeling and Analysis of Engineering Systems” organized by the Department of Computer Science & Engineering, HBTI, Kanpur during October 25-30, 2013.
- “Appropriate Approach for Quality Software Development”, Two day Workshop on “Introduction to Software System & Computer Network”, Ambedkar Institute of Technology for Handicapped, Kanpur, October 9-10, 2013.
- “Advancements in Teaching Methodologies” and “Virtual Classroom”, FDP “Essentials of Teaching Learning Process” organized by Humanities Department, HBTI, Kanpur during March 18-23, 2013.
- Live session on “Software Engineering” for IGNOU, Gyan Vani Channel, All India Radio, Kanpur.
- “Software Engineering Principles and Practice”, Ambedkar Institute of Technology for Handicapped, Kanpur.
- Live session on “Artificial Intelligence & Expert Systems” for IGNOU, Gyan Vani Channel, All India Radio, Lucknow.

- “Paradigm Change in Computer Programming”, Institution of Engineers (India), Kanpur Local Chapter.
- “Object Oriented Software Design Approach”, IRDT, Kanpur.
- “Quality Software Development Approach”, Dr. Virendra Swarup Institute of Computer Studies, Kanpur.
- “Research Issues in Software Engineering”, IETE Kanpur Chapter.
- “Internet and its Applications”, D.B.S. College, Kanpur.
- “Paradigm Shift in Software Development”, IRDT, Kanpur.

### **19. Courses / Workshops/ Conferences Organised**

- National Level Conference on “Internet Security and Cyber Laws” and INCORD-2014: The Annual Technical Fest of Department of Computer Science & Engineering, HBTI, Kanpur, April 5-6, 2014.
- One week Faculty Development Programme on “Modelling, Simulation and Analysis of Engineering Systems”, Department of Computer Science & Engineering, HBTI, Kanpur, October 25-30, 2013.
- National Level Seminar on “Issues and Challenges of Computer Science & Engineering as a discipline”, Department of Computer Science & Engineering, HBTI, Kanpur, March 9, 2013.
- Eighth International Alumni Meet-2012 under the banners of Alumni Association, HBTI, Kanpur, November 27, 2012.
- National Level Seminar INCORD-2012, “Stop Online Piracy Act”, Computer Science & Engineering Department, HBTI, Kanpur, March 3-4, 2012.
- Seventh International Alumni Meet-2011, Alumni Association, HBTI, Kanpur, November 27, 2011.
- National Level Seminar INCORD-2010, “Business Intelligence”, Computer Science & Engineering Department, HBTI, Kanpur, March 21-22, 2010.
- National Level Seminar INCORD-2009, “Next Generation Internet Technologies”, Computer Science & Engineering Department, HBTI, Kanpur, February 21-22, 2009.
- Five day Faculty Development Programme, “Network Administration and Information Security”, under Technical Education Quality Improvement Programme (TEQIP) of World Bank, HBTI, Kanpur, November 05-09, 2008.
- National Level Seminar INCORD-2008, “Multi-Core Architecture”, Computer Science & Engineering Department, HBTI, Kanpur, February 23-24, 2008.
- National Level Seminar INCORD-2007, “High Performance Computing”, Computer Science & Engineering Department, HBTI, Kanpur, February 17-18, 2007.

- National Level Seminar INCORD-2006, “Service Oriented Architecture”, Computer Science & Engineering Department, HBTI, Kanpur, February 18-19, 2006.
- Technical Festival INCORD-2005, “Web Enabled Applications”, Computer Science & Engineering Department, HBTI, Kanpur, February 15-17, 2005.
- National level Seminar WIZCOMP, “Recent Trends in Computing and Applications”, Computer Science & Engineering Department, HBTI, Kanpur, March 20-21, 2004.

## **20. Courses / Workshops/ Conferences Attended**

- Workshop on “Industry-Academia Interaction for Strengthening Technical Education” under TEQIP-II, World Bank organised by the PHD Chamber of Commerce and Industry and HBTI, Kanpur on August 30, 2013.
- INTEL sponsored short term course, “Program Optimization for Multi-Core Architectures”, organized by IIT, Kanpur, June 30 to July 05, 2008.
- Short term training programme, “DB2, SQL, Eclipse and Websphere”, organized by IBM India Pvt. Ltd., J.S.S. Academy of Computer Education, NOIDA, March 20-24, 2007.
- IBM Certified Database Associate -- DB2 Universal Database V8.1 Family since March 23, 2007.
- International Workshop on Biometrics, organized by IIT, Kanpur, December 1-2, 2006.
- Four day Workshop on RATIONAL SUITE organized by HBTI, Kanpur under the World Bank assisted Technical Education Quality Improvement Programme of Government of India, December 21-24, 2005.
- Two day Workshop on DB-II organized by IBM, Computer Science & Engineering Department, HBTI, Kanpur, November 25-26, 2005.
- International Workshop on “Recent Trends in Biometric Systems”, organized by IIT, Kanpur, April 15-16, 2005.
- International Conference on Interdisciplinary Mathematics: SCRA2004, organized by Sherwood College of Management, Lucknow, December 27-29, 2004.
- Short term faculty training programme, “LINUX Administration” organized by IIT, Kanpur, December, 2004.
- Short term faculty training programme, “.Net Technology using C#”, organized by Microsoft Corporation (India) Pvt. Limited, Babu Banarsi Das National Institute of Technology and Management, Lucknow, July 5-9, 2004.
- National level Seminar, “Emerging Wireless Standards: 802.11, Bluetooth and 3G”, organized by Department of Electronics Engineering and Computer Science & Engineering, HBTI, Kanpur, March 23, 2002.

- Training programme, "Data Warehousing and Data Mining", conducted by IIT Bombay under Instruction Enhancement Programme of Project IMPACT-SSS of DOE, Government of India, July 01- 05, 2000.
- Two day National Seminar, "E-commerce and Web Enabled Applications" organized by Department of Computer Science & Engineering, HBTI, Kanpur, March 27-28, 2000.
- Two day training programme, "ISO 9000 Implementation", HBTI, Kanpur, November 22-23, 1999.
- QIP Summer Course, "Probability Random Processes and Elements of Information Theory", organized by IIT, Kanpur, June 14-26, 1999.
- Three day in-house training programme, "Total Quality Management in Technical Education", organized by the ISTE Chapter C. R. State college of Engineering, Murthal (Sonapat), February 20- 23, 1998.
- National Seminar, "Efficient use of Electric Motors, Generators and Drives for Industries and Utilities for the purpose of achieving saving in Energy", organized by the Institution of Engineers, C. R. State College of Engineering, Murthal (Sonapat), February 16, 1997.
- National Symposium, "Computer Applications in Management & Modern Technological Developments", organized by the Institution of Engineers, Regional Engineering College Kurukshetra, October 13, 1996.
- AICTE sponsored Induction Training Programme, Academic Staff College, Kurukshetra University, Kurukshetra, July 15, 1996 to August 03, 1996.
- ISTE Summer School, "Artificial Intelligence and Expert Systems", Regional Engineering College, Hamirpur, July 10-23, 1995.
- ISTE Winter School, "Artificial Intelligence and Expert Systems", Bengal Engineering College, Howra, January 10-22, 1994.

**(Prof. Raghuraj Singh)**