

Name : **Dr. MANJEET SINGH**
Designation : Chairperson and Professor
Department : Computer Applications



Date of Joining University : 05-07-2004
Mobile and Email : 09868617422
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Date of Birth : 15-03-1976
Residence Address : H. No. E-149, First Floor, Sector 11,
Faridabad (Haryana)

Area of Interest : Artificial Intelligence, Machine Learning, Soft
Computing, Natural Language Processing, Computer
Networks, Ad-Hoc Networks, Information Retrieval,
Semantic web, and Data Structures and Algorithm
Design

Total Years of Experience : 21 Years at B.Tech., M. Tech., MCA & PhD level.

05-05-2017 to till date as Professor Dept. Computer Applications, J C Bose University of Science and Technology, YMCA Faridabad.

14/01/2014 to 04-05-2017 as Professor Dept. Computer Engineering, YMCA University of Science and Technology, Faridabad.

14/01/2011 to 13-01-2014 as Associate Professor at YMCA University of Science and Technology, Faridabad.

14/01/2008 to 13-01-2011 as Assistant Professor in Dept. Computer Engineering, YMCA University of Science and Technology (formerly, YMCA Inst. of Engineering), Faridabad.

05/07/2004 to 13/01/2008 as a Lecturer in Dept. of Information Technology, YMCA Inst. of Engineering, Faridabad.

22 /07/2003 to 03/07/2004 as a Lecturer in Dept. of Computer Science and Application, P.D.M. College of Engineering, Bahadurgarh Haryana.

13/08/2003 to 06/06/2003 as a Lecturer in Dept. of Computer Science and Engineering, Career Institute of Technology and Management Faridabad.

22/2/2002 to 10/6/2002 as a Lecturer in Dept. of Computer Science and Engineering, Jind Institute of Engineering and Technology, Jind(Haryana)

Educational Qualification :

Ph.D. (*Computer Engineering*) in December 2008 from Maharshi Dayanand University Rohtak under Prof. A. K. Sharma (YMCAIE, Faridabad) and Prof. G. V. Singh (JNU, New Delhi).

Brief detail of the thesis (Ph. D):

Title- "**Parameterized Parser for GB Structures from Natural Language Hindi**". In this thesis work related the development of a multilingual parser for natural languages is embodied. The parser is generic in nature i.e. it can parse sentence of any language provided the language specific parameters are given. The system is developed using Java language and tested for Hindi (a SOV language) and English (a SVO language).

M.Tech. (*Computers Science and Engineering*) in August 2002, from **Guru Jambheshwar University (NAAC A Grade), Hisar-125001 Haryana**. I secured **73.5%** in my degree.

Brief details of Dissertation (M.Tech.)

Title- "**Design and Implementation of Hybrid Http Proxy Server using TCP/IP and UDP/IP Protocols**". In this Project I have utilized both the TCP/IP and UDP/IP Protocols to make Proxy Server that have good response time as compared with pure TCP/IP Proxy Server and less overhead as compared with the conventional proxy server. All the requests accepted by proxy server are stored in a pool of requests and fifty Threads are handling these requests along with the main thread, which provides the User Interface.

M.Sc. Physics, with **Digital Electronics** as specialization, from Department of Physics Maharishi Dayanand University, Rohtak Haryana **73.2%** marks, in 1999 .

Completed B.Sc. (N.M.). from University College Rohtak (M.D.U.Rohtak).

10+2 through BSEH Bhiwani form C.R.Z. Sr. Sec, School Sonepat.

10th through BSEH from C.R.Z. Sr. Sec, School Sonepat.

Holding Key Responsibilities:

1. Chairperson of Dept. of Computer Applications since 20 May 2020
2. Chairperson BOS (Computer Applications) from 20-05-2020 to till date.
3. Chairman IT Cell since 2011 till 2021
4. Proctor from 10-05-2017 to 26-09-2019
5. Nodal officer, All India Survey for Higher Education (MHRD), Govt. of India 2013 to 27-01-2023
6. Nodal Officer, Global Initiative on Academic Network
7. Member Faculty of Informatics and Computing since 2017
8. Member BOS (Computer Engineering) from 2014 Aug 2022
9. Member DRC (Computer Engineering) from 2014 to 2022
10. Member BOS (Computer Applications) from 05-05-2017 to 20-05-2020

Project Completed :

1. Developed Laboratory for EduSat in 2006.
2. Design, Installation and Commissioning Campus wide optical fiber based Wi-Fi Network in 2014.
3. Developed Research Laboratory in 2014.
4. Design and development of CCTV Network in University Campus in 2017

Research/Review Papers Published in:

International Journals

1. Chandini Magoo, Manjeet Singh, “A Novel Hybrid Approach for Intent Creation and Detection Using K-Means-Based Topic Clustering and Heuristic-Based Capsule Network”, *International Journal of Information Technology & Decision Making*, Vol, No, , pp 1-38, 27 Dec 2022. Indexed Scopus, SCIE, IF 3.508
2. Chandini Magoo, Manjeet Singh, “*Design and Development of New Interactive Chatbot System for Mobile Service Providers through Heuristic-Based Ensemble Learning*”, *Cybernetics and Systems: An International Journal*, Vol. , No, pp , 30 Oct 2022
3. Chandini Magoo, Manjeet Singh, “*Comparative study and experimentation on different techniques for customised POS-tagging*”, *International Journal of Intelligent Information and Database Systems* ISSN (print): 1751-5858, Vol. 15, No 4, pp 420-449, 2022 Scopus and SCIE, IF scopus 0.891
4. Surabhi Lingwal, Komal Kumar Bhatia & Manjeet Singh’ “A novel machine learning approach for rice yield estimation” , *Journal of Experimental & Theoretical Artificial Intelligence*, DOI: 10.1080/0952813X.2022.2062458, pp 1-20, 11 April 2022
5. Surabhi Lingwal, Komal Kumar Bhatia, Manjeet Singh, “*Semantic segmentation of landcover for cropland mapping and area estimation using Machine Learning techniques*”, *Data Intelligence*, Published by MIT Press ISSN: 2641-435X (Online) ,Vol. 5, No. 2, pp1-21, 2022 DOI:10.1162/dint_a_00145
6. Surabhi Lingwal, Komal Kumar Bhatia, Manjeet Singh, “*Info_PCA: A Hybrid Technique to Improve Accuracy by Dimensionality Reduction*”, *IT in Industry*, Vol. 9, No. 2, pp 459-466, 2021 DOI:10.17762/itii.v9i2.370
7. Surabhi Lingwal, Komal Kumar Bhatia, Manjeet Singh Tomer, “*Image-based wheat grain classification using convolutional neural network*”, *Multimedia Tools and Applications*, Vol 80, No 4, 28-29, pp 35441-35465, 14 Jan 2021. Indexed Scopus, SCIE DOI:10.1007/s11042-020-10174-3
8. Poonam Chahal, Manjeet Singh, “*An Efficient Approach for Ranking of Semantic Web Documents by Computing Semantic Similarity and Using HCS Clustering*”, *International Journal of Semiotics and Visual Rhetoric (IJSVR)*, Vol. 5, No. 1, pp 45-56, IGI Publications, 01/01/2021 DOI: 10.4018/IJSVR.2021010104
9. Meghna Sharma, Manjeet Singh Tomer, Priyanka Vashisht, “Machine Learning Techniques in RFID Datasets,” *International Journal of Recent Technology and*

Engineering (IJRTE) ISSN: 2277-3878, Volume-8 Issue-6, pp 4345-4353, March 2020. Indexed Scopus

10. Poonam Chahal, Manjeet Singh, “*Ontology-based Approach for Document Semantic Similarity using Concept map*”, , Vol. 2, No. 3-4, pp. 189-202, Jan 2019. DOI: <https://doi.org/10.1504/IJISDC.2018.097452>
11. Meghna Sharma, Manjeet Singh Tomer, “*Predictive Analysis of RFID Supply Chain Path Using Long Short-Term Memory (LSTM): Recurrent Neural Networks*”, International Journal of Wireless and Microwave Technologies, ISSN 2076-1449, Vol. 4. No. 4, pp. 66-77, July 2018.
12. Karishma Verma, Manjeet Singh, “*Hindi handwritten character recognition using convolutional neural network*”, International Journal of Computer Sciences and Engineering, Vol. 6, Issue 6, pp 909-914, June 2018. DOI: 10.26438/ijcse/v6i6.909914. Indian Citation Index, eSCI.
13. Karishma Verma, Manjeet Singh, “*A Literature survey on Handwritten Character Recognition using Convolutional Neural Network*”, International Journal of Management, Technology and Engineering, ISSN 2249-74-55, Vo. 8, No. 7, pp. 257-263, July 2018.
14. Singh Manjeet, Dahiya Naveen, Bhatnagar Vishal, “*A fuzzy-based automatic prediction system for quality evaluation of conceptual data warehouse models*”, Int. J. Data Analysis Techniques and Strategies (Inderscience), Vol. 10, No. 3, pp.317 – 333, 2018. Indexed Scopus, UGC.
15. Meghna Sharma, Manjeet Singh Tomer, “*Outlier Detection in a RFID-Enabled Supply Chain Process Trajectory TRAJODBSCAN*, International Journal of Data Mining and Emerging Technologies (Inderscience), ISSN 2249-3212, Vol. 8. No. 1, pp.10-17, May 2018. Indian Citation Index
16. Singh Manjeet, Dahiya Naveen, Bhatnagar Vishal, “*A fuzzy based matrix methodology for evaluation and ranking of data warehouse conceptual models metrics*”, International Arab Journal of Information Technology (IAJIT), ISSN 1683-3198 – Print, 15(2), 202-212 (2018) (Accepted in July 7, 2015). Indexed SCIE, Scopus
17. Poonam Chahal, Manjeet Singh, Suresh Kumar, “*Web Documents Semantic Similarity by extending Document Ontology Using Current Trends*” International Journal of Web Science, Inderscience, ISSN online: 1757-8809 ISSN print: 1757-8795, Vol. 3, No. 1, pp 1-14 Dec. 2017, INDEXED DBLP, ACM. (Accepted in Nov 2016)

18. Arora Amita, Akanksha Diwedi, Singh Manjeet, Chouhan Naresh, “*Machine Learning Approach for Text Summarization*”, International Journal of Database Theory and Application, SARSC Australia, ISSN: 2005-4270, EISSN: 2155-635 Vol. 10, Issue 3, Number 8, pp. 83-90, 2017. UGC
19. Arora Amita, Singh Manjeet, Chouhan Naresh, “*Automatic ontology Construction using Conceptualization and Semantic Roles*”, International Journal of Information Retrieval Research, IGI Global, ISSN: 2155-6377, EISSN: 2155-6385 Vol. 7, Issue 3, Article 4, pp. 62-80 , July-September 2017. ESCI, DBLP and ACM Indexed Journal (Accepted in Dec 2016).
20. Poonam Chahal, Manjeet Singh, Suresh Kumar, “*Semantic Analysis Based Approach for Relevant Text Extraction Using Ontology*”, International Journal of Information Retrieval and Research, IGI Publications ISSN: 2155-6377, EISSN: 2155-6385 Vol. 7, Issue 4, Article 2, pp.19-36, October-December 2017. DBLP and ACM Indexed Journal (Accepted in June 2016)
21. Singh Manjeet, Dahiya Naveen, Bhatnagar Vishal, “*Efficient Materialized View Selection for Multi-Dimensional Data Cube Models*”, International Journal of Information Retrieval Research (IJIRR) IGI Global, Vol. 6, No. 3, ISSN: print 2155-6377, EISSN: 2155-6385, pp. 52-75, Sept. 2016. Indexed at ESCI, ACM and DBLP.
22. Singh Manjeet, Kumar Naresh, Kumar Minakshi, “*Automated ontology generation from a plain text using statistical and NLP techniques*”, **International Journal of System Assurance Engineering and Management**, Vol. 7, pp. 1-12, 10 Dec 2015., ISSN: 0976-4348, Available at: <http://link.springer.com/article/10.1007/s13198-015-0403-1> Indexed at SCOPUS, Google Scholar, DBLP and ESCI.
23. Singh Manjeet, Chahal Poonam, Kumar Suresh, “*Relation based measuring of Semantic Similarity of Web Documents*”, International Journal Computer Applications, Vol. 119, No. 7, Page(s):26-29, ISSN 0975-8887, June 2015.
24. Singh Manjeet, Dahiya Naveen, Bhatnagar Vishal, “*An Empirical Experimentation towards predicting understandability of conceptual schemas using Quality Metric*”, International Journal of Big Data Intelligence, Inderscience Publishers, ISSN online: 2053-1397 ISSN print: 2053-1389, Vol.2, No.1, pp.9 - 22., 17 Feb. 2015, Indexed at DBLP.
25. Singh Manjeet, Dahiya Naveen, Bhatnagar Vishal, “*Enhancing Consistency of Conceptual Data Warehouse Design*”, International Journal of Computational Systems Engineering (IJCSysE) Inderscience Publishers, ISSN online: 2046-3405 ISSN print: 2046-3391, 18 Feb. 2015 Vol.2, No.1, pp.11 – 24. Indexed at: Academic OneFile (Gale), cnpLINKer (CNPIEC) , Google Scholar, Info Trac (Gale)

26. Singh Manjeet, Chahal Poonam, Kumar Suresh, "*An Efficient Web Page Ranking For Semantic Web*", *Journal of the Institution of Engineers* (India): Series B, Springer, Print: ISSN 2250-2106 Online: 2250-2114, Volume 95, Issue 1, pp 15-21, January 2014. Indexed at : Scopus, UGC.
27. Singh Manjeet, Chahal Poonam, Kumar Suresh "*Comparative Analysis of Various Approaches for Semantic Information Retrieval*", *MR International Journal of Engineering and Technology*, ISSN: 0975-4997 Vol.5, No.2, pp 24-28 December 2013.
28. Singh Manjeet, Chahal Poonam, "*An Ontology Based Approach for Finding Semantic Similarity between Web Documents*", *International Journal of Current Engineering and Technology*, ISSN 2277 - 4106 Vol.3, No.5, pp 1925-1931, December 2013. Published by INPRESSCO.
29. Singh Manjeet, Kumar Naresh, "*Domain Independent Name Entity Recognition System Based on Finite State Automata*", *International Journal of Advances in Computing and Information Technology*, Integrated Publishing Association, ISSN 2277-9140, volume 2 issue 4, pp 77-87, Aug, 2013.
30. Singh Manjeet, Dahiya Naveen, Bhatnagar Vishal, "*Effective Data Warehouse for Information Delivery: A Literature Survey and Classification*", *International Journal of Networking and Virtual Organisation* (IJNVO) Inderscience Publishers, ISSN online: 1741-5225 ISSN print: 1470-9503, Vol. 12, No. 3, pp 217-237, 2013. Indexed at Scopus, DBLP, ACM
31. Singh Manjeet, Chahal Poonam, "*Web Documents Ranked using Genetic Algorithm*", *International Journal of Computer Applications*, (ISSN 0975 – 8887), Volume 70– No.22, pp 18-21, May 2013.
32. Singh Manjeet, Sharma Meghna, "*Outlier Detection in RFID Datasets in Supply Chain Process: A Review*", *International Journal of Computer Applications*, (ISSN 0975 – 8887), Volume 65– No.25, pp 47-51, March 2013.
33. Singh Manjeet "*GB Elementary-Tree Based Garden Path Parsing For English*", *YMCAUST International Journal of Research* (YMCAUST IJR), ISSN 2319 –9377, Volume – 1, Issue – 1, pp January 2013.
34. Singh Manjeet, Dahiya Surender S, Bhutani Smriti, Oberoi Ashish, "*A Fuzzy Model for Object Oriented Testability & its Performance*", *International Journal of Information Technology and Knowledge Management*(ISSN:0973-4414), Volume 5, No. 2, pp 484-489, July-December 2012
35. Singh Manjeet, Naveen Dahiya, Vishal Bhatnagar, "*Modeling Data Warehouse Using Quality Metrics: The Need of Software Process*" *IJCA* (ISSN 0975 – 8887)

Special Issue on Confluence 2012 - The Next Generation Information Technology Summit CONFLUENCE(1): pp 28-31, September 2012.
<http://www.ijcaonline.org/specialissues/confluence/number1/8372-1006>

36. Manpreet Sehgal, Twinkle Sehgal, Manjeet Singh, “*Ontological Knowledgebase for English Syntactic Grammar using Government and Binding Theory*”, International Journal of Computer Applications, (ISSN 0975 – 8887), Vol. 51, No. 16, pp. 43-49, Aug. 2012.
37. Singh Manjeet, Kumar Suresh, Verma Sonu, “*Hybrid Access Control Model in Semantic Web*”, International Journal of Information Technology (IJIT), ISSN 2279 – 008X, Volume – 1, Issue – 1, pp 43-50, August 2012.
38. Singh Manjeet, Kumar Suresh, Verma Sonu, “*Comparative analysis of Role Base and Attribute Base Access Control Model in Semantic Web*”. International Journal of Computer Applications, (ISSN 0975 – 8887), Volume 46 - Number 18, pp 1-6, May 2012, Published by Foundation of Computer Science, New York, USA.
39. Singh Manjeet, Kumar Suresh, Girdhar Prachi, “*Agent Oriented Schemes for Trustworthy Semantic Web Services*”, International Journal of Computer Technology and Electronics Engineering (IJCTEE), ISSN 2249-6343 (Online), Volume 2, Issue 2, pp: 147-150, April 2012. Available at “http://www.ijctee.org/files/VOLUME2ISSUE2/IJCTEE_0412_24.pdf”
40. Singh Manjeet, Kumar Suresh, Pandey Rashmi, “*Securing Agent and Web Services on the Semantic Web using Cryptographic Algorithm and PKP*”, published in International Journal of Computer Science and Information Technologies, ISSN: 0975-9646, Vol. 2 (4) , Pages1735-1740, 2011.
41. Singh Manjeet, Kumar Suresh, Sharma Anil, “*UDDI and SAML based framework for Secure Semantic Web Services*”, published in International Journal of Advanced Research in Computer Science ISSN: 0976-5697, Volume 2 No. 4, Issue 3, pp 508-511, May-June 2011. Indexed by: SJIF Scientific Journal, Impact Factor = 5.845 for (2014)
42. Singh Manjeet, Kumar Suresh, Dwivedi Akhilesh, Dwivedi Ahishek Singh, “*Cancellable Biometrics for Security and Privacy Enforcement on Semantic Web*”, published in International Journal of Computer Applications (ISSN 0975 – 8887), (0975 – 8887) Vol. 21, Issue 8, pp.1-8, May 2011.
43. Singh Manjeet, Kumar Suresh, Singh Kedar Nath, “*Dynamic Trust for Secure E-Shopping in Semantic Web*”, published in International Journal of Computer Applications ISSN: 0975 – 8887, Volume 24– No.2, Pages 08-12, June 2011.
44. Singh Manjeet, Sharma Anil, Kumar Suresh, “*Semantic Web Mining for Intelligent Web Personalization*”, Journal of Global Research in Computer Science (ISSN: 2229-371X),

Volume 2, No. 6, June 2011, pp.77-81. Indexed by DOAG, J-Gate, Google scholar, World Cat.

45. Singh Manjeet, Kumar Suresh, Dwivedi Akhilesh, Dwivedi Ahishek “*Current Security Considerations for Issues and Challenges of Trustworthy Semantic Web*”, published in International Journal of Advanced Networking and Applications ISSN: 0975-0290 (Print) ISSN : 0975-0282 (Online), Volume:03 Issue:01, Pages: 978-983 (May 2011). Eswar Publications, Impact Factor : 3.462 (SJIF). Indexed by: DOAG, Open J-Gate, Google Scholar.
46. Singh Manjeet Kumar, Suresh, Kumar Naresh "*Realization of Threats and Countermeasures in Semantic Web Services*", published in International Journal of Computer Theory and Engineering, Singapore, ISSN: 1793-8201, Vol.2, Issue No. 6, pp-919-924, Dec. 2010.
47. Singh Manjeet, Goyal Deepti, Goyal Deepika, “*A Hybrid Approach To Word Sense Disambiguation*”, International Journal of Computer Science and Technology (IJCSST) ISSN: 0976-8491 (online), Vol. 1 Issue 2, pp 130-134 December, 2010. Indexed by: DOAJ, Index Copernicus International, Electronic Journals Library, Ulrich’s Periodicals Directory, ProQuest, Computer Science Directory, Scirus, iSeek

International Conferences:

48. Chandini Magoo, Manjeet Singh, “*A Proposed Architecture of Mobile Service Provider Based Interactive Systems*”, In proceedings of 2023 IEEE 8th International Conference for Convergence in Technology (I2CT), pp1-4, 07-09 April 2023 DOI: 10.1109/I2CT57861.2023.10126465
49. Surbhi Lingwal, Komal Kumar Bhatia, Manjeet Singh, “*Deep Convolutional Neural Network Approach for Tomato Leaf Disease Classification*”, In the proceedings of Proceedings of Machine Learning, Image Processing, Network Security and Data Sciences(MIND 2021), pp 199–208, Jan 2023, DOI: 10.1007/978-981-19-5868-7_15
50. Chandini Magoo, Manjeet Singh “*An Implemented review for Intent Creation using different Clustering Techniques*”, In proceedings of Fifth International Conference on Computational Intelligence and Communication Technologies (CCICT), 2022, pp 83-91, OI: 10.1109/CCiCT56684.2022.00027
51. Surbhi Lingwal, Komal Kumar Bhatia, Manjeet Singh,” *Comparative Analysis of Machine Learning Techniques for Plant Disease Identification*”, In the proceedings of Proceedings of Integrated Intelligence Enable Networks and Computing (IIENC 2020), pp 651-658, 2021, DOI: 10.1007/978-981-33-6307-6_66

52. Twinkle Dalal, Manjeet Singh, “*Review Paper on Leaf Diseases Detection and Classification Using Various CNN Techniques*”, In the proceedings of Mobile Radio Communications and 5G Networks, pp 153-162, September 2020.
53. Naresh Kumar, Manjeet Singh, “*Framework for Distributed Semantic Web Crawler*”, In the proceedings of International Conference on Computational Intelligence and Communication Networks (CICIN), 12/12/2015, pp.1403-1407, DOI 10.1109/CICIN.2015.272
54. Minakshi, Manjeet Singh, Karunesh Kumar, “*Concept based automatic ontology generation from domain specific text*”, In the proceedings of International Conference of Soft Computing Techniques for Engineering and Technology (ICSCTET) 2014, ISSN: 00002016, pp. 31-34 7-8 Aug., DOI: 10.1109/ICSCTET.2015.7371195 Available at IEEE explorer.
55. Singh Manjeet, Kumar Naresh, “*Stanford Parser Based Approach for Extraction of Link-Context from Non-Descriptive Anchor-Text*”, In the proceedings of 2014 3rd International Conference on Reliability, Infocom Technologies and Optimization (ICRITO) (Trends and Future Directions), Amity University Noida India, ISSN: 147996896X, pp. 1-6, 8-10 October 2014. DOI: 10.1109/ICRITO.2014.7014751. Available at IEEE explorer.
56. Minakshi, Manjeet Singh, Karunesh Kumar, “*Concept based automatic ontology generation from domain specific text*”, In the proceedings of International Conference of Soft Computing Techniques for Engineering and Technology (ICSCTET) EISBN:978-1-4673-9120-7, held 7-8 Aug. 2014, DOI: 10.1109/ICSCTET.2015.7371195
57. Singh Manjeet, Naveen Dahiya, Vishal Bhatnagar, “*An Experiment towards metrics validation for data warehouse conceptual models*”, in the proceedings of 5th International Conference, The Next Generation Information Technology Summit CONFLUENCE(2014): held on 25th-26th Sept. 2014 Noida, pp 116 – 123 , ISBN:978-1-4799-4237-4, DOI: 10.1109/CONFLUENCE.2014.6949265, Available at IEEE explorer.
58. Manjeet Singh, Meghna Sharma, “*Performance Analysis of Clustering Algorithms of RFID Datasets of Supply Chain Management Process*”, in the proceedings of International Conference on Advanced Information Communication Technology in Engineering, held on 22-23 Nov. 2013 at The Technological institute of Textile and Sciences Bhiwani, Haryana (India)
59. Manjeet Singh, Poonam Chahal, Suresh Kumar, “*Ranking of Web Documents using Semantic Similarity*”, in the proceedings of International Conference on Information Systems and Computer Networks, Mathura India, pp. 145-150, 9-10 March 2013, DOI: 10.1109/ICISCON.2013.6524191, Available at IEEE Explorer.

60. Singh Manjeet, Kumar Suresh, De Ashok, “*OWL-Based Ontology Indexing and Retrieving Algorithms for Semantic Search Engine*”, in the proceedings of 7th International Conference Computing and Convergence Technology (ICCT), South Korea, Seoul , pp. 1135 – 1140, held on 03-12-2012. Available at IEEE xplora.
61. Suresh Kumar, Naresh Kumar, Manjeet Singh, Asok De. “*A Rule-Based Approach for extraction of Link-Context from Anchor-Text Structure*”, in the proceedings of the International Symposium on Intelligent Informatics ISI'12 Chennai, India, Vol.182, pp 261-271, 4-5 August 2012, published by Springer Vol. 182 2013. Available at: http://link.springer.com/chapter/10.1007%2F978-3-642-32063-7_28
62. Singh Manjeet, Kumar Suresh, Girdhar Prachi, “*Comparative Study on Strengths and Weaknesses of Trust Algorithms in Semantic Web Based Networks*”, in the proceedings of 4th International Conference on Web and semantic Technology (WeST-2012), Chennai, India, Volume 178, pp 473-479, July 13-15 2012, published in Advances in Intelligent Systems and Computing Available at: http://link.springer.com/chapter/10.1007%2F978-3-642-31600-5_46
63. Singh Manjeet, Dahiya Naveen, Bhatnagar Vishal, “*A Conceptual Framework for Effective Data Warehouse Design*”, in the proceedings of International Conference on Facets of Business Excellence (FOBE-2011), Ghaziabad, Uttar Pradesh, India, November 4-7, 2011
64. Singh Manjeet Kumar, Suresh, Kumar Naresh "*Information Retrieval Modeling Techniques for Web Documents*", in the proceedings of International Conference on Reliability, InfoCom Technology and Optimization (ICRITO 2010), Lingaya's University, Faridabad, India, pp 392-399, 1-3 Nov. 2010
65. Manjeet Singh, Naresh Kumar, Suresh Kumar. “*Transformation from Keyword based search engine to Semantic Search: Problems, Current Practices and Future challenges*”, in the proceedings of International Conference on Reliability, InfoCom Technology and Optimization (ICRITO 2010), Lingaya's University, Faridabad, India, pp 400-407, 1-3 Nov. 2010
66. Singh Manjeet, Kumar Suresh, Prajapati Rakesh Kr., De Asok. “*Security enforcement using PKI in Semantic Web*” presented in 6th International Conference on Next Generation Web Practices at Gwalior to be held on 23-25 Nov 2010.
Publication Year: 2010, Page(s): 392 - 397. Digital Object Identifier: 10.1109/CISIM.2010.5643507, Paper is indexed by IEEE xplorer.
67. Singh Manjeet, Choudhary Alka, "*GB theory based Hindi to English Translation System*", in the proceedings of 2nd IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2009), held on 8 - 11 August 2009, Beijing, China.

68. Singh Manjeet, Singh G. V., Sharma A. K. “*A Generic Morphological Analyzer for Multilingual Machine Translation*”, in the proceedings of 3rd International Conference on "Intelligent Systems & Networks (IISN-2009), ISTK, Klawad, Jagadhari, held on February 14-16, 2009.
69. Singh Manjeet, Singh G. V., Sharma A. K. “*A General X-bar Rule Schemata for Word Order Free Language like Hindi*”, in proceeding of International Conference on Intelligent Systems and Networks (IISN 2008), ISTK, Klawad, Jagadhari, India 22 - 24 Feb. 2008.
70. Singh Manjeet, Singh G. V., Sharma A. K. “*An Elementary Tree Based Parameterized Parser (ETBPP) for English*”, in the proceeding of International Conference on Intelligent Systems and Networks (IISN 2008), ISTK, Klawad, Jagadhari, India 22 - 24 Feb. 2008.
71. Singh Manjeet, Singh G. V., Sharma A. K. “*An Elementary Tree Based Shared Node Parameterized Parser for Hindi*”, in the proceeding of International Conference on Information Systems, Technology and Management New Delhi, March 12-13, 2007.
72. Singh Manjeet, Singh G. V., Sharma A. K. “*A Time and Space Efficient Lexicon for Natural Language Hindi*”, in the Proceeding International Conference on Intelligent Systems and Networks (IISN 2007) at Haryana Engineering College (HEC) Jagadhari, Haryana, 23-25 February 2007.

National Conferences:

73. Singh Manjeet, Sharma Meghna, “*Comparative Study of Clustering Algorithm for RFID Datasets Using Weka*”, in the proceedings of National Conference on Science in Media held from December 3rd to 4th Decembers 2012 at YMCAUST, Faridabad.
74. Singh Manjeet, “*Quantum Theory and Self-Experience Based Model of Consciousness*”, in the proceedings of “Workshop on Nanotechnology and Embedded Systems “WNTES-2012” organized by YMCAUS&T, Faridabad, during 23 July to 03 August, 2012.
75. Singh Manjeet, Sharma A.K. “*The Syntax of Noun Phrase NP (DP) in Hindi under LCA*”, in proceedings of National Conference on Information & Emerging Technologies, at IET, Bhaddal, Ropar, on 17th-18th February, 2006.
76. Singh Manjeet, Kumar Dharminder, Chhaba Yogesh. “*Hybrid UDP-TCP Protocol for Proxy Server*” in the proceedings of NSFCMP, at G.J.U. Hisar on 23-24th Feb. 2002.

Research Guidance

(i) Master Degree (Dissertation/Project work)

Sr. No.	Name of Student	Roll. No. of student	Title of Dissertation	Month and Year
1.	Alankrita Aggarwal	MTech-11 81-2003	Design and Implementation of ANN using Back Propagation Algorithm for the Recognition of Alphanumeric Characters	June 2005
2.	Sunil Kumar	MCE-736-2k5	Improved AMRIS and ODMRP Multicast Routing Protocols in the Ad-hoc Wireless Networks	July 2007
3.	Alka Chaudhary	06PGC01	GB Theory Based Hindi to English Translator	June 2008
4.	Deepti Goyal	MIT-3274 -2K8	A Hybrid Approach to Word Sense Disambiguation	July 2010
5.	Manpreet Singh Sehgal	MIT-3276 -2k8	Design of Ontology Based on English Syntactic Grammar Using GB Theory	July 2010
7.	Sanjeev Srivastav	MIT-115-2 k10	Name Entity Recognition System	Dec 2012
6.	Prashant Gupta	MCE-89-2 k10	An Approach of secure Routing in MANET Based on Fidelity	Dec 2012
8.	Minakshi	MCE-845-2k11	Concept Automatic Ontology Generation	June 2013
9.	Nishi Singh	MCE-848-2k11	Sanskrit Tokenizer-Sandhi-Visandhi in Sanskrit	June 2013
10.	Sonal Garg	MCE-855-2k11	Syntax-Semantic Driven Link Context Determination	June 2013
11.	Anu Malik	MCE-21-2 k12	Un-Descriptive Anchor Text Based link Context Extraction	May 2014
12.	Himanshi Bakshi	MIT-04-2 k12	Morphology of Hindi Language	May 2014
13.	Sunny	MCE-34-2 k12	Document Clustering using Particle Swam optimization	June 2014
14.	Kamini	MCE-25-2 k12	Semantic Web Indexing	June 2014
15.	Yatish Mahna	MCE-238-2k13	Semantic Document Similarity Based on Ontology Augmented with Recent Trends	May 2015

16.	Harish Chand	MCE-225-2k13	Design of a Framework For semantic Document Similarity	May 2015
17.	Karishma Verma	MIT-761-2k16	English Handwritten Character Recognition using CNN	May 2018
18.	Garima Lal	MIT-004-2k17	Human Face Recognition in a Video Frame Through Image Processing and deep Learning Techniques	May 2019
19.	Twinkle Dalal	18001502017	Image Enhancement Using Multi-Scale Fusion	June 2020
20.	Manish Dabash	18001507007	Promotion Accuracy Improvement	June 2020

(ii) Ph.D Degree

Sr. No.	Name of Student	Reg. No. of student	Title of Dissertation	Month and Year
1.	Suresh Kumar	09/PhD/Engg.& Tech. 30 (M. D. U. Rohtak)	Development of Conceptualization Based Indexing Scheme for Semantic Web Search Engine	June 2013
2.	Naveen Dahiya	YMCAUS T/Ph56/2011	A Comprehensive Approach Towards Building Of An Efficient Information Delivery System	May 2016
3.	Naresh Kumar	09/PhD/Engg. & Technology-31	Conceptual Semantic Knowledge Extraction, Representation And Utilization For Semantic Web Crawling	Sept 2016
4.	Poonam Chahal	YMCAUS T/PhD57/2011	DESIGN OF TECHNIQUES TO IDENTIFY SIMILARITY BETWEEN SEMANTIC WEB DOCUMENTS	April 2017
5.	Meghna Sharma	YMCAUS T/Ph08/2010	OUTLIER DETECTION OF RFID DATASETS IN SUPPLY-CHAIN PROCESS	August 2019
6.	Amita Arora	YMCAUS T/Ph10/2010	DESIGN OF ONTOLOGICAL FRAMEWORK FOR SEMANTIC WEB	August 2019

Training Courses and Conference/Seminar/Symposium/Workshop Papers.

(i) Refresher/STP/QIP

1. **One Week:** *Training programme on dot Net*, conducted from 2nd May to 6th May 2005 at GVM Institute of Technology, Sonipat (Organized with Microsoft Corporation.)
2. **One week:** *Effective Curriculum Implementation*, conducted from 4/9/2006 to 8/9/2006, at YMCA Institute of Engineering Faridabad(Organized by NITTTR&R, Chandigarh).
3. **One week:** *Application of Artificial Intelligence Tools in Power System*, conducted from 19th June to 25th June 2012 at YMCA University of Science and Technology, Faridabad.
4. **One week:** *Information Security and Cyber Forensic*, conducted from 9th July 14th 2012 at YMCA University of Science and Technology, Faridabad.
5. **Two weeks:** *Nanotechnology and Embedded Systems*, conducted from 23rd July 3rd August 2012 at YMCA University of Science and Technology, Faridabad.
6. **One week:** *ANN using Matlab*, conducted from 1st June to 5th June 2015 at YMCA University of Science and Technology, Faridabad.
7. **Two Days:** Workshop on “Outcome based Accreditation for Under-graduate Engineering Program” conducted by Mech. Engg., J C Bose University of Science and Technology YMCA Faridabad held on 2-3 May 2018.
8. **One Day:** Workshop on “All India Survey on Higher education 2017-2018” by MHRD, Govt. of India on 14-05-2018.

(ii) Book Chapter:

1. Dahiya, N., Bhatnagar, V., Singh, M. and Sangwan, N. (2014) Applications of data mining in software development life cycle: A literature survey and classification, Data Mining and Analysis in the Engineering Field IGI Global ISBN13: 9781466660861, ISBN10: 1466660864, EISBN13: 9781466660878, pp. 67-79.

(iii) Invited Lectures/Presentations for conferences

1. Delivered Lecture “Current Trends in AI and Soft Computing” in Conference held in BSAITM, Faridabad at 28 Oct. 2010.
2. Delivered Lecture “Interconnection of the various subjects and their core concepts” for M. Tech (CE) of BSAITM, Faridabad in Oct 2010.
3. Delivered Lecture “AI: Current Trends and Future” for M.Tech (CSE) at AIT, Geeta Colony, New Delhi in June 2011.
4. Delivered Expert Lecture “AI and Cognitive Based Systems” in the two week programme “Emerging Trends in Engineering, Technology and Management” held between 1st July to 14th July 2013 at YMCA University of Science and Technology, Faridabad
5. Delivered Expert Lecture “Neural Networks using Matlab” in the one week programme “ANN using Matlab” held between 1st June to 5th June 2015 at YMCA University of Science and Technology, Faridabad

6. Delivered an Expert lecture “Soft Computing Techniques” in Refresher course on “Emerging Trends in Computer Science” Conducted by Dept. of CE and Dept. of IT&CA at YMCAUST, Faridabad from 8th Jan to 13th Jan 2018.

(iv) Session Chair

1. National Conference on “Role of Science and Technology Towards Make in India” organized by YMCA University of Science and Technology Faridabad during March 05-07-2016.
2. The 3rd International Conference on Recent Developments in Science, Engineering and Technology (REDSET 2016) held on 21-22 Oct 2016 at G.D. Goenka University Gurgaon.
3. International Conference on Sustainable Development through Research in Engineering and Management (SDREM-2016), held on 26-27 Dec 2016 at YMCA University of Science and Technology, Faridabad.
4. National Conference on “New Horizons in Technology for Sustainable Energy and Environment (NHTSEE-2017)” organized by YMCA University of Science and Technology Faridabad during March 09-10-2017.
5. National Conference on Advances in Mathematics and Computing (AMC-2017) held on 1-2 May 2017 at YMCA University of Science and Technology, Faridabad