Faculty Profile

Name	Dr. Dheerendra Singh	
Designation	Professor	
Pay Scale	7th CPC, Level-14	
Department	Computer Science and Engineering	
Qualification	Ph.D., M.Tech, B.E.	

Date of joining	Institute	Present Post
	01/01/2016	01/01/2019

Experience *(in years)*	Total	Teaching	Industry
	21	21	Nil

Research Interests	Cloud Computing, Web Engineering, DBMS, Operayting Systems, Data Structures and Algorithms, AI and ML.		
Contact Details:	Email dsingh@ccet.ac.in	Mobile/Phone 9876439071	

Research Publications	International Journals	National Journals	International Conferences	National Conferences
	95	2	15	6

Books/Chapters Published	03			
Research Guidance	Ph. D.	11	Masters	10
Research Projects	Completed	Nil	Inprogress	
Consultancy Projects	Completed	Nil	Inprogress	
Seminar/Conference/STTPs	Attended	16	Organized	01

Professional Affiliations	Life member IETE
Awards/ Fellowships etc.	
List of Publications	Attached
Research Project Detail	Nil
Patent Detail	Nil
Consultancy	Nil
Ph.D Scholars Names	**Completed:-** 1. Dr. Amit Chhabra, 2. Dr. Ashok Kumar, 3. Dr. Amanpreet Kaur, 4. Dr. Deepak Sharma, 5. Dr. Gaganpreet Kaur, 6. Dr. Gaurav Raj, 7. Dr. Rini Mahajan, 8. Dr. Usvir Kaur. **Ongoing:-** 1. Suman Lata, 2. Shikha Atwal, Deepika Narang.
Institute Responsibility	1. Incharge cum Nodal Officer College Website 2. Hostel Warden (Boys) 3. Incharge Computational Cell 4. Joint Incharge AICTE

	5. Joint Incharge NIRF
Department Responsibility	1. LAB Incharge CL-14, Room No. 419.
	2. Member of Department Purchase Committee
Any Other Information	a. Attend a workshop on 18-09-2024 conducted by the All India Council for Technical Education (AICTE) on the topic of "AICTE Regulations on Pay Scales, Service Conditions, and Minimum Qualifications for the Appointment of Teachers and Other Academic Staff in Technical Institutions and Measures for the Maintenance of Standards in Technical Education (Degree) Regulation, 2024."
	b. Two weeks training completed for Assistant Level Master Trainer during Lok Sabha Elections 2024.
	c. Two months duty performed as an Assistant Level Master Trainer during Lok Sabha Elections 2024.
	d. Appreciation Certificate in recognition of outstanding contribution in conducting ICT Training for the Chandigarh Administration (UT Government) employees.
	e. Member/ Chairman of various AICTE Expert Committees.
	f. Appreciation Certificate in recognition of outstanding contribution in conducting ICT Training for the Chandigarh Administration (UT Government) employees.
	g. Member of Research Degree Committee, Panjab University, Chandigarh.
	h. Nodal Officer Skill India for Cloud Computing Trade.

Signature of faculty

International Journal

1. "Optimization Techniques for Resource Provisioning and Load Balancing in Cloud Environment: A Review(28-35)" has been published in International Journal of Information Engineering and Electronic Business(MECS Press) Vol. 9(1), January 2017 ISSN 2074-9023.
2. "Experimental Evaluation of Quality of Service Parameters over VoIP Network" has been published in International Journal of Computer Science & Communication ,March,2017, Vol 8,Issue 2 , march 2017 ISSN 0973-7391.
3. "Window Azure Active Directory Services for Maintaining Security and Access Control (14-20)" has been published in Journal IJITKM, Vol. 11, Issue 2, Jan-June 2018, ISSN 0973-4414.
4. "Step by Step Securing Cloud Environment (47-54)" has been published in International Journal of General Engineering and Technology (IJGET), June-July 2017, Vol. 6, Issue 4, ISSN (P): 2278-9928, ISSN (E): 2278-9936.
5. "Fusion in Multimodal Biometric System: A Review (1-10)" has been published in Indian Journal of Science and Technology, July 2017, Vol. 10(28), Indexed in Thomson Reuters - Web of Science.
6. "Enhancing Multi Biometric System Security at Feature Level Fusion (1118-1124)" has been published in International Journal of Advanced Research in Computer Engineering & Technology, August 2017, Vol. 6, Issue 8, ISSN 2278-1323.

7. "Challenges to Task and Workflow Scheduling in Cloud Environment (412-415)" has been published in International Journal of Advanced Research in Computer Science, October 2017, Vol. 8(8), ISSN 2321-3337.

8. "Heuristics Workflow Scheduling and Load Balancing in Cloud Environment (1-6)" has been published in International Journal of Computer Science & Information Technology Research Excellence, November-December 2017, Vol. 7(6), ISSN: 2250-2734 (Print), 2250-2742 (Online).

9. "Design and Implementation of a Software System for High-Level Business Rules" has been published in International Journal on Advanced Science, Engineering and Information Technology, 2017, Vol. 7, No. 6, pp. 2203-2212, ISSN 2088-5334.

10. "Analysis of Various Parameters which affect Voice Transmission in Wireless Mesh Network" has been published in International Journal of Electronics Engineering, June-December 2017, Vol. 9, Number 2, ISSN 0973-7383.

11. "Analysis of Business Rules Modeling Approaches Using 4-Dimensional Business Rule Framework" has been published in International Journal of Computer Sciences and Engineering, Vol. 5, Issue 12, pp. 135-142, 31 December 2017, ISSN 2347-2693.

12. "V&V Analysis of Composite Web Service Using WS Simulator for Trust Management in WS Lifespan" has published in International Journal of Computer Sciences and Engineering, Vol. 6, Issue 6, June 2018, ISSN 2347-2693.

13. "Trust Management in Web Services for Prediction and Selection Based on Trust Evaluation Model" has been published in International Journal of Computer Sciences and Engineering, Vol. 6, Issue 6, June 2018, ISSN 2347-2693.

14. "Effective Multimodal Biometric System Using Feature Level Fusion of Tongue, Speech, and Signature Vectors (7-14)" has been published in Journal of Advances Research in Dynamical and Control Systems, 2018, UGC ISSN 1943-023X.

15. "Comparative Analysis of Hidden Web Crawler" has been published in International Journal of Computer Science and Engineering, Vol. 6, Issue 5, pp. 190-194, 21 May 2018, ISSN 2347-2693.

16. "A Comparative Analysis of Trust Models in Cloud Computing (19-23)" has been published in International Journal of Scientific Research in Network Security and Communication, Vol. 6, No. 2, April 2018, ISSN 2321-3256 (E).

17. "Analysis of Signaling Protocols and Packet Aggregation Techniques in VOIP Network" has been published in International Journal of Scientific Research in Computer Science, Engineering and Information Technology, March-April 2018, Vol. 3, Issue 3, ISSN 2456-3307.

18. "Prefetching of Hidden Web Data Using Association Rule" has been accepted for publication in International Journal of Intelligent Information and Database Systems, August 2018, Scopus Indexed, ISSN 1751-5866.

19. "Meta-heuristics Based Load Balancing Optimization in Cloud Environment on Underflow and Overflow Conditions (155-172)" has been published in Journal of Information Technology Research (JITR) (IGI Global), Vol. 11(4), 23 July 2018, ISSN 1938-7857.

20. "Comparative Analysis of Metaheuristics Based Load Balancing Optimization in Cloud Environment (30-46)" has been published in Smart and Innovative Trends in Next Generation Computing Technologies-Communications in Computer and Information Science (CCIS), Vol. 827, 2018, ISSN 1865-0929.

21. "Meta-heuristic Based Framework for Workflow Load Balancing in Cloud Environment" has been published in International Journal of Information Technology, Springer, 25 July 2018, ISSN 2511-2104.

22. "A Novel Access Control in Cloud Computing Environment" has been published in International Journal of Engineering & Technology, Vol. 7, Issue 3, 2018, pp. 1795-1800, ISSN 2227-524X.

23. "Trusted Web Service Prediction Using Performance Accuracy of Trust Decision Factor in QWS Dataset (1524-1531)" has been published in Journal of Advanced Research in Dynamical and Control Systems, Issue 12-Special Issue, 4 September 2018, ISSN 1943-023X.

24. "Movement from Business Rules to System Rules for System Development" has been communicated to Journal of Database Management and accepted in November 2018, E-SCI, ISSN 1063-8016.

25. "A Quality Feed Trust Model for Data Transactions at Cloud (405-408)" has been published in International Journal of Engineering & Technology, Vol. 7, No. 3.29, August 2018, Scopus Indexed, ISSN 2227-524X.

26. "Quality-Feed Enhanced Trust Model in Cloud Computing (384-389)" has been published in Journal of Advanced Research in Dynamical and Control Systems, Vol. 10, No. 8, 24 July 2018, ISSN 1943-023X.

27. "Understanding the Trust: Cloud Computing (116-119)" has been published in International Journal of Research and Analytical Reviews (IJRAR), Vol. 5, No. 3, August 2018, E-ISSN 2348-1269.

28. "Secure Speaker Biometric System using GFCC with Additive White Gaussian Noise and Wavelet Filter", has been published in International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 6, June 2016 Print ISSN 1947-5500, pp 40-47. (Thomson Reuter Indexed Journal).

29. "Trust: Models and Architecture in Cloud Computing", has been published in International Journal of Computer Science and Information Security (IJCSIS), Vol. 13, No. 12, December 2015 Print ISSN 1947-5500, pp 150-155. (Thomson Reuter Indexed Journal).

30. "Efficient Web Log Mining and Navigational Prediction with EHPSO and Scaled Martov model", Springer India - Smart Innovation Systems and Technologies , Vol. 33, PP. 529-543, 2015 ISSN 2190-3018.

31. "Comparative Analysis of Access Control Models" International Journal of Computer Trends and Technology, Vol. 29, No. 2 ,pp.132-135 November 2015, 2231-2803, Impact Factor 1.517.

32. "Cloud Computing: Obstacles and Opportunities", International Journal of Advanced Research in Computer Science and Software Engineering, Vol. 5, no. 12, Dec 2015, 2277-128x, Impact Factor 2.5.

33. ''Robust Speaker Recognition Biometric System a Detailed Review", International Journal of Emerging Research in Management &Technology, ISSN: 2278-9359,Volume 4 – No. 5, May 2015, pp. 281-288, Journal Impact Factor (2015): 1.492

34. "Survey on Speech Recognition Algorithms", International Journal of Emerging Research in Management &Technology, ISSN: 2278-9359,Volume 4 – No. 5, May 2015, pp. 289-292, Journal Impact Factor (2015): 1.492

35. ''A Review on Basic of Voice Recognition", International Journal of Emerging Research in Management &Technology, ISSN: 2278-9359,Volume 4 – No. 5, May 2015, pp. 276-280, Journal Impact Factor (2015): 1.492

36. "Assessment of VoIP E-Model over 802.11 Wireless Mesh Network", has been published in International Journal IEEE, Print ISBN: 978-1-4673-6911-4/15/$31.00©2015 IEEE, through International Conference on Advances in Computer Engineering and Applications (ICACEA) IMS Engineering College, Ghaziabad, India, pp 856-860.

37. "A Novel Biometric System based on Hybrid Fusion Speech, Signature and Tongue", International Journal of Computer Application, ISSN 0975 – 8887 ,Volume 119 – No. 7, June 2015, pp. 30-39, Journal Impact Factor (2015): 0.715.

38. "Efficient Query Optimization in Distributed Database using Decision Tree Algorithm" has been published in International Journal of Information Technology & Knowledge Management (ISSN 0973-4414) January-June, 2015, Volume 8, No. 2, pp. 33-35.

39. "Analysis of VoIP E-Model and Routing Protocols over 802.11 Wireless Mesh Network" has been published in International Journal of Information Technology & Knowledge Management (ISSN 0973-4414) June -Dec, 2014, Volume 8, No. 1, pp. 80-84.

40. "Pollination based optimization for feature reduction at feature level fusion of speech & signature biometrics", has been published in International Journal IEEE Print ISBN: 978-1-4799-6895-4, DOI: 10.1109/ICRITO.2014.7014771, through 3rd International Conference on Reliability, Infocom Technologies and Optimization (ICRITO) (Trends and Future Directions), 8-10 Oct 2014, pp. 1-6.

41. "Business Rules for Business Governance", has been published in International Journal IEEE Print 2014, pp.

42. "Automatic Construction of Process Template from Business Rule", has been published in International Journal IEEE, Print ISBN: 978-1-4799-5172-7, INSPEC Accession Number: 14583880, Feb 21-22, 2014, DOI: 10.1109/IC3.2014.6897210, through 7th IEEE International conference on contampery computing at ITM University, Gurgaon, NCR, India, pp 419-424.

43. "Security Testing of Web Applications: Issues and Challenges", has been published in International Journal of Computer Applications, ISSN: 0975-8887, Volume 88 - No. 3, Feb, 2014, pp: 26-32, Impact Factor: 0.8.

44. "Comparison of network security tools- Firewall, Intrusion Detection System and Honeypot ", has been published in International Journal of Enhanced Research in Science Technology & Engineering, ISSN: 2319-7463 Vol. 3 Issue 2, February-2014, Available online at: www.erpublications.com, pp: 200-204, Impact Factor: 1.252.

45. "Satellite Communications - A Review", has been published in International Journal of Enhanced Research in Science Technology & Engineering, ISSN: 2319-7463 Vol. 3 Issue 1, January-2014, Available online at: www.erpublications.com, pp: 459-454, Impact Factor: 1.252.

46. "Content Based Hidden web Ranking Algorithm(CHWRA) ", has been published in International Journal IEEE Explorer through 4th IEEE International, Advanced Computing Conference (IACC) , vol., no., pp.586,589, 21-22 Feb. 2014 doi: 10.1109/IAdCC.2014.6779390 at ITM University, Gurgaon, NCR, India.

47. "A Survey on Summarizers and its Applications" has been published in International Journal of Current Engineering and Technology E- ISSN 2277 - 4106, P - ISSN 2347 - 5161 Vol.4, No.1 (Feb 2014), ©2014 INPRESSCO®, All Rights Reserved, Journal Impact Factor is 2.55.

48. "A Framework for Business Rules", has been accepted to publish in International Journal Springer LNCS (Lecture Notes in Computer Science) through the International Conference on Conceptual Modeling ER Conference RiGIM, Vol. 8697 November 9-11, 2013 at Shitin, Hong Kong, pp. 68-73. http://link.springer.com/chapter/10.1007/978-3-319-14139-8_9. pp. 68-73.

49. "Enhancement of Security Using Feature Level Fusion for Multimodal Biometrics for Speech & Signature", has been published in International Journal ELSEVIER (ISBN-9789351071624) through the International Conference on Information and Mathematical Sciences 24-26 October 2013 at Baba Farid College of Engineering and Technology, Bathinda, Punjab, India. pp. 25 – 28.

50. "Robust and Efficient 'RGB' based Fractal Image Compression: Flower Pollination based Optimization" has been published in International Journal of Computer Applications (0975 - 8887) Volume 78, No.10, September 2013, Type: IJCA is indexed with EBSCO, Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS (Harvard Univ.), CiteSeer, UlrichWeb, Scientific Commons (Univ. of St Gallens), University of Karlsruhe, Germany, PennState University. pp. 18 -22, Journal Impact Factor for 2012 is 0.821.

51. "RGB, Color Image Quantization using Pollination based Optimization" has been published in International Journal of Computer Applications (0975 – 8887) Volume 78, No.9, September 2013, Type: IJCA is indexed with EBSCO, Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS (Harvard Univ.), CiteSeer, UlrichWeb, Scientific Commons (Univ. of St Gallens), University of Karlsruhe, Germany, PennState University. pp. 11 -15, Journal Impact Factor for 2012 is 0.821.

52. "Performance Analysis of Fast wavelet transform and Discrete wavelet transform in Medical Images using Haar, Symlets and Biorthogonal wavelets" has been published in International Journal of Computer Trends and Technology (IJCTT), ISSN: 2231-2803, Volume 4 Issue 8- August 2013, Type: IJCA is indexed with DOAJ, Google Scholar, GEOND, Get CITED, New Jour, SciRate.com, Scribd, ULRICH'S, INDEX COPERNICUS, SCIRUS, Open J-Gate, CiteSeer, HARVARD LIBRARY, The University of Melbourne. pp. 2518 -2525, Journal Impact Factor is 4.15

53. "Efficient and Robust Multimodal Biometric System for Feature Level Fusion (Speech and Signature)" has been published in International Journal of Computer Applications, Online ISSN : 0975 - 8887, Volume 75, No. 5, August 2013, pp. 34-38. Type: IJCA is indexed with EBSCO, Google Scholar, Informatics, ProQuest CSA Technology Research Database, NASA ADS (Harvard Univ.), CiteSeer, UlrichWeb, Scientific Commons (Univ. of St Gallens), University of Karlsruhe, Germany, PennState University. Journal Impact Factor for 2012 is 0.821.

54. "Multi Round Selective Encryption using AES Over Storage Cloud" has been published in Global Journal of Computer Science and Technology Cloud and Distributed, Online ISSN : 0975-4172 & Print ISSN: 0975-4350 Volume 13 Issue 3 Version 1.0 Year 2013, pp. 1-6. Type: Double Blind Peer Reviewed International Research Journal, Publisher: Global Journals Inc. (USA).

55. "Resource Provisioning Using Batch Mode Heuristic Priority with Round Robin Scheduling " has been published in International Journal of Engineering and Technology (IJET) ISSN : 0975-4024 Volume 5, No 3, Jun-Jul 2013, pp. 2959-2966.

56. "A Review of Color Image Quantization Using PBO" has been published in International Journal of Computer Science & Technology (IJCST) ISSN : 0976-8491 (Online) | ISSN : 2229-4333 (Print), Vol. 4, Issue 2, April - June 2013, pp. 14-18. Global Impact Factor is 0.289.

57. "A Review: Image Extraction with Weighted Page Rank using Partial Tree Alignment Algorithm REVIEW ARTICLE)" has been published in International Journal of Computer Science and Mobile Computing (IJCSMC) ISSN 2320–088X (Online), Vol. 2, Issue. 5, May 2013, pp.118 - 122.

58. "Third Party Authentication Process in CBCCP for Services Management using MSBE and MCBS " has been published in International Journal of Engineering and Technology (IJET) ISSN : 0975-4024 Volume 5, No 2, Apr-May 2013, pp. 1498-1505.

59. "Comparative Cloud Deployment and Service Orchestration Process Using Juju Charms" has been published in International Journal of Engineering and Technology (IJET) ISSN : 0975-4024 Volume 5, No 2, Apr-May 2013, pp. 1412-1418.

60. "Study of Two Different Methods for Iris Recognition Support Vector Machine and Phase Based Method" has been published in International Journal of Computational Engineering Research (Online Peer Reviewed Journal), ISSN: 2250-3005, Volume 3 Issue 4 - April 2013, Type: IJCA is indexed with ANED -DDL. pp. 88 -94. Journal Impact Factor is 1.145.

61. "Implementing Clustering Based Approach For Evaluation of Success of Software Reuse Using K-Means Algorithm" has been published in International Journal of Computers and Technology (IJCT), ISSN 2277 – 3061, Volume 4, No. 3, March-April 2013 pp. 807-813. Journal Impact Factor: 1.043

62. "Comparative Study of Web application under Data Reverse Engineering" has been published in International Journal of Computers and Technology (IJCT), ISSN 2277 - 3061, Volume 4, No. 2, March-April 2013 pp. 623-625. Journal Impact Factor: 1.043

63. "Cloud Computing Issues" has been published in International Journal of Computers and Technology (IJCT), ISSN 2277 – 3061, Volume 4, No. 2, March-April 2013 pp. 626-630. Journal Impact Factor: 1.043

64. "Enlightening the Cloud Computing Domain" has been published in International Journal of Computers and Technology (IJCT), ISSN 2277 – 3061, Volume 4, No. 2, March-April 2013 pp. 470-476. Journal Impact Factor: 1.043

65. "Knowledge Extraction from Numerical Data: An ABC Based Approach" has been published in International Journal of Computer Engineering and Technology (IJCET), ISSN 0976 - 6367(Print), ISSN 0976 - 6475 (Online) Volume 4, Issue 2, March-April 2013 pp. 01-09 . Journal Impact Factor (2013): 6.1302 (Calculated by GISI)

66. "Solving NP-Hard Problem Using Artificial Bee Colony Algorithm" has been published in International Journal of Computer Engineering and Technology (IJCET), ISSN 0976 - 6367(Print), ISSN 0976 - 6375(Online) Volume 4, Issue 1, January - February 2013 pp. 171-177. Journal Impact Factor (2012): 3.9580 (Calculated by GISI)

67. "Pollination Based Optimization for Color Image Segmentation" has been published in International Journal of Computer Engineering and Technology (IJCET), ISSN 0976 – 6367(Print), ISSN 0976 – 6375(Online) Volume 3, Issue 2, July- September 2012 pp. 407-414. Journal Impact Factor (2012): 3.9580 (Calculated by GISI)

68. "Improving Web Search Ranking through User Behavior Information" has been published in International Journal of Information Technology & Knowledge Management (ISSN 0973-4414) July-December 2011, Volume 4, No. 2, pp. 635-638.

69. "How to Secure Information Flow in Web based Mobile Ad Hoc Network" has been published in International Journal of Computer Science and Communication (ISSN 0973-7391) Volume 2, No. 2, July-December 2011, pp. 293-295. Journal Impact Factor is 0.45.

70. "Estimation by Analogy in the Perspective Educational Web Hypermedia Applications" has been published in International Journal of Information Technology & Knowledge Management. (ISSN 0973-4414) Volume 4, Number 1, January-June 2011 pp. 305-313. Journal Impact Factor is 0.475.

71. "Analysis, Comparison and Performance Evaluation of BNP Scheduling Algorithms in Parallel Processing" has been published in International Journal of Information Technology & Knowledge Management. (ISSN 0973- 4414) Volume 4, Number 1, January-June 2011, pp. 279-284. Journal Impact Factor is 0.475.

72. "Steganography-Concealing Messages In Images Using LSB Replacement Technique With Pre-Determined Random Pixel And Segmentation of Image" has been published in International Journal of Computer Science and Communication (ISSN 0973-7391) Vol-I, Issue-II, July - December 2010, pp. 113-116. Journal Impact Factor is 0.45.

73. "Secure Speaker Biometric System using GFCC with Additive White Gaussian Noise and Wavelet Filter" was published in the *International Journal of Computer Science and Information Security (IJCSIS), Vol. 14, No. 6, June 2016*, on pages 40–47, with ISSN 1947-5500. .

74. "Fusion in Multimodal Biometric System: A Review" was published in the *Indian Journal of Science and Technology, Vol. 10(28), 2017*, on pages 1–10, with ISSN (Print): 0974-6846 and ISSN (Online): 0974-5645. The journal is indexed in Thomson Reuters - Web of Science. There were 2 co-authors, and I was not the main author.

75. "Enhancing Multi Biometric System Security at Feature Level Fusion" was published in the *International Journal of Advanced Research in Computer Engineering & Technology, Vol. 6, Issue 8, 2017*, on pages 1118–1124, with ISSN 2278-1323.

76. "Comparative Analysis of Hidden Web Crawler" was published in the *International Journal of Computer Science and Engineering, Vol. 6, Issue 5, May 2018*, on pages 190–194, with ISSN 2347-2693. .

77. "Meta-heuristics Based Load Balancing Optimization in Cloud Environment on Underflow and Overflow Conditions" was published in the *Journal of Information Technology Research (JITR) (IGI Global), Vol. 11(4)*, on pages 155–172, with ISSN 1938-7857. .

78. "Comparative Analysis of Metaheuristics Based Load Balancing Optimization in Cloud Environment" was published in *Smart and Innovative Trends in Next Generation Computing Technologies - Communications in Computer and Information Science (CCIS), Vol. 827*, on pages 30–46, with ISSN 1865-0929. .

79. "Trust Management in Web Services for Prediction and Selection Based on Trust Evaluation Model" was published in the *International Journal of Computer Sciences and Engineering, Vol. 6, Issue 6, June 2018*, with ISSN 2347-2693.

80. "Movement from Business Rules to System Rules for System Development" was communicated for publication in the *Journal of Database Management*, with ISSN 1063-8016.

81. "A Quality Feed Trust Model for Data Transactions at Cloud" was published in the *International Journal of Engineering & Technology, Vol. 7, No. 3.29, August 2018*, on pages 405–408. The journal is Scopus indexed, with ISSN 2227-524X. It is a peer-reviewed journal. There were 2 co-authors, and I was not the main author.".

82. "A Study of Various Soft Computing Techniques for Iris Recognition" was published in the *International Consortium of Scientist and Researchers, Volume 14, Issue 1, December 2016*, on pages 01–05.

83. "Fusion in Multimodal Biometric System: A Review" was published in the *Indian Journal of Science and Technology, Vol. 10(28), 2017*. The article appears on pages 1–10, with ISSN (Print) 0974-6846 and ISSN (Online) 0974-5645. The journal is indexed in Thomson Reuters - Web of Science.

84. "Enhancing Multi Biometric System Security at Feature Level Fusion" was published in the *International Journal of Advanced Research in Computer Engineering & Technology, Vol. 6, Issue 8, 2017*. The article appears on pages 1118–1124, with ISSN 2278-1323.

85. "Design and Implementation of a Software System for High-Level Business Rules" was published in the *International Journal on Advanced Science, Engineering and Information Technology, Vol. 7, No. 6, 2017*.

86. "Comparative Analysis of Metaheuristics Based Load Balancing Optimization in Cloud Environment" was published in *Smart and Innovative Trends in Next Generation Computing Technologies - Communications in Computer and Information Science (CCIS), Vol. 827* in 2018, with ISSN 1865-0929.

87. "A Novel Access Control in Cloud Computing Environment" was published in the *International Journal of Engineering & Technology, Volume 7, Issue 3, 2018*, on pages 1795–1800, with ISSN 2227-524X.

88. "A Quality Feed Trust Model for Data Transactions at Cloud" was published in the *International Journal of Engineering & Technology, Vol. 7, No. 3.29, August 2018*, on pages 405–408. The journal is Scopus indexed, with ISSN 2227-524X.

89. "A Study of Various Soft Computing Techniques for Iris Recognition" was published in the *International Consortium of Scientist and Researchers, Volume 14, Issue 1, December 2016*, on pages 01–05.

90. "Fusion in Multimodal Biometric System: A Review" was published in the *Indian Journal of Science and Technology, Vol. 10(28), 2017*, on pages 1–10. The journal is indexed in Thomson Reuters – Web of Science, with ISSN (Print): 0974-6846 and ISSN (Online): 0974-5645.

91. "Enhancing Multi-Biometric System Security at Feature Level Fusion" was published in the *International Journal of Advanced Research in Computer Engineering & Technology, Vol. 6, Issue 8, 2017*, on pages 1118–1124, with ISSN: 2278-1323.

92. "Comparative Analysis of Hidden Web Crawler" by *Ashok* was published in the *International Journal of Computer Science and Engineering, May 2018, Vol. 6, Issue 5*, on pages 190–194, with ISSN: 2347-2693.

93. "Scheduling and Load Balancing in Cloud Environment" was published in the *International Journal of Computer Science & Information Technology Research Excellence, Vol. 7(6), 2017*, on pages 1–6.

94. "Meta-Heuristics Based Load Balancing Optimization in Cloud Environment on Underflow and Overflow Conditions" by *Amanpreet* was published in the *Journal of Information Technology Research (JITR) (IGI Global), Vol. 11(4), 2018*, on pages 155–172, with ISSN: 1938-7857.

95. "Comparative Analysis of Metaheuristics Based Load Balancing Optimization in Cloud Environment" was published in the *Smart and Innovative Trends in Next Generation Computing Technologies - Communications in Computer and Information Science (CCIS), Vol. 827, 2018*, on pages 30–46, with ISSN: 1865-0929.

96. "Trust Management in Web Services for Prediction and Selection Based on Trust Evaluation Model" was published in the *International Journal of Computer Sciences and Engineering, Vol. 6, Issue 6, June 2018*, with ISSN: 2347-2693.

97. Lata, S., & Singh, D. (2022). Intrusion detection system in cloud environment: Literature survey & future research directions. International Journal of Information Management Data Insights, 2(2), 100134 (Scopus).

Book Chapters

1. "Penetration Testing as a Test Phase in Web Service Testing: A Black Box Pen Testing Approach" was published in the Smart Innovation, Systems, and Technologies book series (SIST, volume 78), with an online ISBN of 978-981-10-5547-8 and print ISBN of 978-981-10-5546-1.

2. "Test Case Optimization and Prioritization of Web Service Using Bacteriologic Algorithm" was published in the Advances in Intelligent Systems and Computing book series, volume 673, Springer, Singapore, in 2018, with online ISBN 978-981-10-7245-1 and print ISBN 978-981-10-7244-4.

3. "Analysis of Classical and Quantum Computing Based on Grover and Shor Algorithm" was also published in the Smart Innovation, Systems, and Technologies book series (SIST, volume 78) with online ISBN 978-981-10-5547-8 and print ISBN 978-981-10-5546-1.

Conferences International and National

1. "Particle Swarm Optimization based Dynamic Load Balancing in Cloud Environment" was presented at the IEEE Conference, INDIACom-2017, the 4th International Conference on "Computing for Sustainable Global Development," held at BVICAM, New Delhi, from March 1st to 3rd, 2017.

2. "Comparative Analysis of Metaheuristics based Load Balancing Optimization in Cloud Environment" was presented at the 3rd International Conference on "Smart and Innovative Trends in Next Generation Computing Technologies (NGCT 2017)," held at UPES, Dehradun, on October 30th and 31st, 2017.
3. "From Business Oriented Rules to SBVR" was presented at the ICIC-2017 conference in Circulation in Computer Science, held on December 14th-15th, 2017.
4. "QoWS Analysis for Web Service Selection Using WS Monitoring Tool" was published in the Computational Intelligence and Networks (CINE) 2017 3rd International Conference. This paper was included in the proceedings with electronic ISBN: 978-1-5386-2529-3 and PoD ISBN: 978-1-5386-2530-9.
5. "Effective multimodal biometric system using feature-level fusion of tongue, speech, and signature vectors" was presented at the International Conference on Emerging Trends in Science & Technologies for Engineering Systems (ICETST-2018), held on January 11th-12th, 2018, at SJCIT, Chickballapur, Karnataka.
6. "Analysis for Ranking of Web Pages" was presented at the 2nd International Conference on Innovations in Computing, held on December 14th-15th, 2018.
7. "Elaborate Business Dimension of Business Oriented Business Rule Framework" was presented at ICIC-2018, held on December 14th-15th, 2018.
8. "Security Testing for Monitoring Web Service using Cloud" was presented at the 2018 International Conference on Advances in Computing and Communication Engineering (ICACCE), with an electronic ISBN of 978-1-5386-4485-0 and print-on-demand ISBN of 978-1-5386-4486-7.
9. "Research on Access Control Model in Cloud Computing Environment" was presented at the International Conference ICIC 2018, held at CGC College of Engineering, Mohali, on December 14th-15th, 2018.
10. "Comparative study of window azure platform with various cloud computing service providers platforms" was presented at the 34th National Conference of Electronics and Telecommunication Engineers on "Intelligent Telecommunication Networks for Sustainable Growth," held at Baba Banda Singh Bahadur Engineering College, Fatehgarh Sahib, on October 21st-22nd, 2018.
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