

Resume



1. Name : **DILIP KUMAR YADAV**

2. Date & Place of Birth : May 14, 1967, Purnea (Bihar , India)

3. Present Position and Address : Professor,
Department of Computer Science & Engineering,
National Institute of Technology Jamshedpur
PO- NIT, Adityapur-2
JAMSHEDPUR - 831014, Jharkhand, INDIA
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4 . Field of Specialization : Software Engineering
Information Security and Safety
Computer Vision
Reliability Engineering
System Optimization
Fuzzy Logic
Neural Network and Machine Learning

5. Academic Qualifications : (i) *Ph.D in Software Engineering* - 2012
- Indian Institute of Technology, Kharagpur,
PhD Thesis Title : **Software Reliability Modeling and
Prediction using Fuzzy Logic**
(ii) *M. Tech in Mechanical Engineering*
Computer Integrated Design and Manufacturing-1994
National Institute of Technology, Jamshedpur, 1st Division
(iii) *B.Tech in Mechanical Engineering* -1991
National Institute of Technology, Jamshedpur
(Ranchi University).
Thesis Title: **Solar Pond** , 1st Division
(iv) *Intermediate in Science*-1985-Bihar Intermediate
Education Council Patna, 1st Division
(v) *Matriculation*-1983-BSEB Patna, 1st Division

6. Awards (i) National Village Talent Scholarship (1979-1982)
(ii) National Merit Scholarship (1983-1985)
(iii) Merit and Merit cum Means Scholarship (1987-1991)
(iv) Scholarship under QIP for Ph.D (2006-2009)

7. Membership : (i) Life Member ISTE New Delhi . LM 24916
(ii) Life Member of CSI . Membership No. 10788

8. Employment :

- (i) **May 16, 2018** to Continuing, **Professor**
Department of Computer Applications,
National Institute of Technology Jamshedpur,
Jamshedpur – 831014, Jharkhand, India
- (ii) January 01, 2006 to May 15, 2018, **Associate professor**
Department of Computer Applications,
National Institute of Technology Jamshedpur,
Jamshedpur – 831014, Jharkhand, India
- (iii) March 26, 1998 to Dec 31, 2005, **Assistant Professor**
Department of Computer Applications,
National Institute of Technology Jamshedpur,
- (iv) March 26, 1996 to March 25, 1998, **Lecturer**
Department of Production Engineering & Management,
National Institute of Technology Jamshedpur,
- (v) September 17, 1995 to March 25, 1996, **Lecturer**
Department of Mechanical Engineering,
National Institute of Technology, Jalandhar (Punjab)
- (vi) June 27, 1995 to Sept 16, 1995, **Project Scientist**
Department of Mechanical Engineering,
Indian Institute of Technology Delhi, India

9. Experience : **27** Years of
(i) Teaching at Under Graduate & Post Graduate levels
(ii) Research Development and Administration.

10. Editor of Journals

Associate Editor ,
International Journal of Systems Assurance Engineering and Management,
Springer , SCOPUS

11. Reviewer of Journals

Reviewer of Journals		
Name of the Journal	Name of the Publisher	National /International
Reliability Engineering and System Safety	Elsevier (INFOSOF-D-19-00372, INFOSOF-D-20-00159)	International
Information and Software Technology	Elsevier (INFOSOF-D-19-00372, INFOSOF-D-20-00159)	International
International Journal of Systems Assurance Engineering and Management	Springer (IJSA-D-19-00204)	International
IEEE Access	IEEE (Access-2019-46076)	International
Book Title : Machine Learning, Big Data and IoT for Medical Informatics	Elsevier (Aug 2019)	International
The Journal of Supercomputing	Springer (SUPE-D-19-01379, SUPE-D-19-01215, SUPE-D-18-01339)	International
Journal of King Saud University - Computer and Information Sciences	Elsevier (JKSUCIS_2019_738)	International
IEEE Transactions on Engineering Management (ISSN: 0018-9391)	IEEE	International
IEEE Access (ISSN: 2169-3536)	IEEE	International
Information and Software Technology	Elsevier	International
Neural Processing Letters ISSN: 1370-4621 (Print) 1573-773X (Online)	Springer US	International
International Journal of Performability Engineering	Totem Publisher, Inc.	International
Quality and Reliability Engineering International	Willey	International
IET Software	IEEE	International
International Journal of System Assurance Engineering and Management	Springer	International
Soft Computing	Springer	International

11. Outreach activities (Recent)

Name of Activity	Activity Title	Department/Institute	Period From	Period To	Sponsring Agency (if any)
Subject Expert Faculty Recruitment	NIT Rourkela, Odisha	Computer Science and Engineering	15-16 Feb 2023		
Subject Expert Faculty & Non Teaching Recruitment	IIIT Bhagalpur, Bihar, India	Computer Science and Engineering	Dec 2022		
External Examiner Ph.D Thesis	Ph.D Thesis entitled "Multimodal medical image fusion using multi-level decomposition with EMGW oriented multi fusion architecture " Mr. Elaiyaraja K	Faculty of Information and Communication Engineering, Anna University, Chennai- 600025, India	April 2022	-	Anna University, Chennai-600025
External Examiner Ph.D Thesis	Ph.D Thesis entitled "Novel Machine Learning Framework for Handling Time Aware QoS based Web Services Recommendation" Mr. Vijendra Pratap Singh Enrolment No. : 318966	Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi- 221005, India	June 2022	-	Banaras Hindu University, Varanasi-221005

Session Chair	2nd International Conference on Microelectronics, Communication Systems, Machine Learning & Internet of Things (MCMI-2021)	IETE & ISVE at Advanced Regional Telecom Training Centre, BSNL, Hazaribag Road, Ranchi-835217, Jharkhand, India	23.10.2021	24.10.2021	IETE Ranchi Centre
Session Chair	7th International Conference on Nano-electronics, Circuits & Communication Systems (NCCS-2021)	IETE & ISVE at Advanced Regional Telecom Training Centre, BSNL, Hazaribag Road, Ranchi-835217, Jharkhand, India	29.01.2022	30.01.2022	IETE Ranchi Centre
Session Chair	2nd International Conference on Nanoelectronics, Machine Learning, Internet of Things & Computing Systems (NMIC-2022) on 23-24th April 2022	IETE & ISVE at Advanced Regional Telecom Training Centre, BSNL, Hazaribag Road, Ranchi-835217, Jharkhand, India	23.04.2022	24.04.2022	IETE Ranchi Centre
Session Chair	7th International Conference on Microelectronics, Computing & Communication Systems (MCCS-2022)	IETE & ISVE at Advanced Regional Telecom Training Centre, BSNL, Hazaribag Road, Ranchi-835217, Jharkhand, India	09.07.2022	10.07.2022	IETE Ranchi Centre

12. Administrative Work

- a) Secretary, NIMCET-2022 (NIT MCA Entrance Test), Govt. of India
- b) Member, Senate, National Institute of Technology Jamshedpur
- c) Member, Senate, Central University of Jharkhand, Ranchi
- d) Head, Dept of Computer Applications (*May14, 2018 to Sept13, 2020*)
- e) Chairman of Departmental Purchase Committee
- f) Chairman of Departmental Academic Committee
- g) Member Library Committee
- h) Member Library Purchase Committee
- i) Member Fee Refund Committee of the Institute
- j) Member Technical Committee, NIMCET Govt. of India, 2019, 2020, 2021
- k) Member
 - (i) Departmental Academic committee.
 - (ii) Department Board of Studies Committee.
 - (iii) Institute Committee for Computer Centre
- l) Proctor, 2011 to 2015,
National Institute of Technology Jamshedpur
- m) Warden, Hostel-F, 4 years (2002-2006),
National Institute of Technology Jamshedpur
- n) Asstt. Warden, Hostel-B, 1 year (1996-1997),
National Institute of Technology Jamshedpur
- o) Prof. in charge, Engineers Adventure Club,
RIT Jamshedpur, 1999-2001

13. Thesis Supervised

PhD	: Awarded- 07	Ongoing- 06	at NIT Jamshedpur
M.Tech	: Awarded- 21	Ongoing- 01	at NIT Jamshedpur
MCA	: Awarded- 250+	Ongoing- 06	at NIT Jamshedpur

14. List of Publications

- [1] Gaurav Yadav and **Dilip Kumar Yadav**. “Contrast enhancement of region of interest of backlit image for surveillance systems based on multi-illumination fusion”, *Image and Vision Computing* (2023), Elsevier. DOI: 10.1016/j.imavis.2023.104693 [SCIE]
- [2] Gaurav Yadav and **Dilip Kumar Yadav**. “Multi-illumination Mapping Based Fusion Method for low-light area’s visibility and Backlit Image Enhancement”, *Arabian Journal for Science and Engineering* (2023), Springer. DOI: 10.1007/s13369-023-07923-5 [SCIE]
- [3] Barnwal, S.K., Prakash, A. & **Yadav, D.K.** Improved African Buffalo Optimization-Based Energy Efficient Clustering Wireless Sensor Networks using Metaheuristic Routing Technique. *Wireless Pers Commun* 130, 1575–1596 (2023). [SCIE]
- [4] Gaurav Yadav, **Dilip Kumar Yadav**, and PVSSR Chandra Mouli. Chapter 10 - Fusion-based backlit image enhancement and analysis of results using contrast measure and SSIM, Editor(s): Shyam Rajput, Nafis Khan, Amit Singh, Karm Arya, In *Hybrid Computational Intelligence for Pattern Analysis and Understanding, Digital Image Enhancement and Reconstruction*, 1st Edition, Academic Press, **2022**, Pages 235-252, ISBN: 9780323983709. [SCOPUS]
- [5] Yadav, G., **Yadav, D.K.** Region of interest enhancement for backlit images using global tone mappings and fusion, *The Imaging Science Journal*, (**2022**). DOI: 10.1080/13682199.2022.2149056 [SCIE]
- [6] Gaurav Yadav, **Dilip Kumar Yadav**, and PVSSR Chandra Mouli. Chapter 10 - Fusion-based backlit image enhancement and analysis of results using contrast measure and SSIM, Editor(s): Shyam Rajput, Nafis Khan, Amit Singh, Karm Arya, In *Hybrid Computational Intelligence for Pattern Analysis and Understanding, Digital Image Enhancement and Reconstruction*, 1st Edition, Academic Press, **2022**, Pages 235-252, ISBN: 9780323983709. [SCOPUS]
- [7] Upadhyay, A., **Yadav, D.K.** & Yogi, K.K. FAHP based software reliability allocation concerning operational profile. *Int J Syst Assur Eng Manag* (**2022**). <https://doi.org/10.1007/s13198-022-01667-5> [SCOPUS]
- [8] Uzra Rahman, **D.K. Yadav**, " Multilevel Classification of SQL Injection Attacks and Performance Comparision of various Classifiers", 2nd International Conference on Nanoelectronics, Machine Learning, Internet of Things & Computing Systems (NMIC-2022), ISVE Ranchi, April **2022**.
- [9] Yadav, G., **Yadav, D.K.** Multiple feature-based contrast enhancement of ROI of backlit images. *Machine Vision and Applications* 33, 14 (**2022**). <https://doi.org/10.1007/s00138-021-01272-9> [SCIE; IF: 2.012]
- [10] B. Basumatary, C. Kumar and **D. K. Yadav**, "Security Risk Assessment of Information Systems in an Indeterminate Environment," 2021 11th International Conference on Cloud Computing, Data Science & Engineering (Confluence), 2021, pp. 82-87, doi: 10.1109/Confluence51648.2021.9377129.
- [11] Gaurav Yadav, **Dilip Kumar Yadav**, Chandra Mouli P.V.S.S.R., “Contrast Enhancement of Region of Interest in a Single Backlit Image”, in the proceedings of

- 6th International Conference on Nanoelectronics Circuits & Communication Systems (NCCS-2020), 19th -20th December, IETE Ranchi, India, 2020. [SCOPUS, Springer] (Presented)
- [12] Sweta Kumari Barnwal, Amit Prakash, **Dilip Kumar Yadav**, “LEACH Network Routing Protocols in Wireless Sensor Network: A Comparative Analysis”, in the proceedings of 6th International Conference on Nanoelectronics Circuits & Communication Systems (NCCS-2020), 19th -20th December, IETE Ranchi, India, 2020. [SCOPUS, Springer] (Presented)
- [13] Yadav G., **Yadav D.K.**, Mouli P.V.S.S.R.C. (2021) Enhancement of Region of Interest from a Single Backlit Image with Multiple Features. In: Singh S.K., Roy P., Raman B., Nagabhushan P. (eds) Computer Vision and Image Processing. CVIP 2020. Communications in Computer and Information Science, vol 1377. Springer, Singapore. https://doi.org/10.1007/978-981-16-1092-9_39
- [14] Krishnaraj Bhat, Dindayal Mahto, **Dilip Kumar Yadav**, Chandrashekhar Azad, “Image Security using Hyperchaos and Multidimensional Playfair Cipher”, in the proceedings of International Conference on Security & Privacy (ICSP-2020), 5th-6th November, NIT Jamshedpur, India, 2020. [SCOPUS, Springer] (Presented)
- [15] Amit Prakash, **Dilip Kumar Yadav**, Arvind Choubey, “Terminal reliability analysis of multistage interconnection networks”, Journal of System Assurance Engineering and Management, vol. 11(1), pp. 110 -125, 2020.
- [16] Amit Prakash, **Dilip Kumar Yadav**, “2-Terminal reliability Analysis of Single Fault-tolerant Multistage Interconnection Networks”, Communication and Computational Technologies (ICCCT-2019), 30th & 31st August 2019. DOI : 10.1007/978- 981-15-5077-5
- [17] Amit Prakash, **Dilip Kumar Yadav**, “Multiprocessor Systems Design: Reliability Analysis of Multistage Interconnection Network”, International Conference on Inventive Computation Technologies (ICICIT 2019), August 29-30, 2019, Coimbatore, India , In: Smys S., Bestak R., Rocha Á. (eds) Inventive Computation Technologies. ICICIT 2019. Lecture Notes in Networks and Systems, vol 98, pp 858-864, 2020. DOI: https://doi.org/10.1007/978-3-030- 33846-6_93
- [18] Amrita, **Dilip Kumar Yadav**. Software Test Case Allocation. (ICDECT- 2017), Dec 15 - 16, 2017, Pune, India, In: Kulkarni A., Satapathy S., Kang T., Kashan A. (eds) Proceedings of the 2nd International Conference on Data Engineering and Communication Technology. Advances in Intelligent Systems and Computing, vol. 828, pp 137-144, 2019 Springer, Singapore DOI https://doi.org/10.1007/978-981-13-1610-4_14 Print ISBN 978-981-13-1609-8, Online ISBN 978-981-13-1610-4
- [19] Amit Prakash, **Dilip Kumar Yadav**, Arvind Choubey, “Terminal reliability analysis of multistage interconnection networks” , Journal of System Assurance Engineering and Management, vol. 11(1), pp. 110 -125, 2020
- [20] Dindayal Mahto, **Dilip Kumar Yadav**, “Cloud-based Secure TeleMedicine Information System using Crypto-Biometric Techniques” , EAI Endorsed Transactions on Pervasive Health and Technology, DOI: 10.4108/eai.13-7-2018.163837
- [21] **Dilip Kumar Yadav**, Sephali Behera, “A Survey on Secure Cloud-Based EHealth Systems” , EAI Endorsed Transactions on Pervasive Health and Technology, DOI:10.4108/eai.13-7-2018.163308

- [22] Amit Prakash, **Dilip Kumar Yadav**, Arvind Choubey, “A Survey of Multistage Interconnection Networks,” *Recent Advances in Electrical & Electronic Engineering* (ISSN: Print 2352-0965, Online 2352-0973), vol. 12, Issue 6, pp. 165-183, Feb. 2019 DOI : 10.2174/ 1872212113666190215145815, Bentham Science Publisher
- [23] Susmita Mahato, **Dilip Kumar Yadav**, Danish Ali Khan, “A novel information hiding scheme based on social networking site viewers’ public comments,” *Journal of Information Security and Applications* (ISSN: 2214-2134), vol. 47, pp. 275–283, 2019
- [24] Amit Prakash, **Dilip Kumar Yadav**, “Design and reliability analysis of fault-tolerant shuffle exchange gamma logical neighborhood interconnection network,” *Journal of Supercomputing* (ISSN: 09208542), Accepted, June 2019 DOI: 10.1007/s11227-019-02929-z , Springer
- [25] H. B. Yadav, Sumit Kr, Yugal Kr and **Dilip Kumar Yadav** “A fuzzy logic based approach for decision making” *Journal of Intelligent & Fuzzy Systems*, vol. 35, pp. 1531–1539, 2018, DOI:10.3233/JIFS-169693, IOS Press
- [26] Perna Verma, Dindayal Mahto, Sudhanshu Kumar Jha, and **Dilip Kumar Yadav** “Efficient RSA Cryptosystem with Key Generation using Matrix,” in *International Journal of Control Theory and Applications*, vol. 10, no. 13, pp. 221–228, 2017.
- [27] Dindayal Mahto, **Dilip Kumar Yadav**, “Secure Online Medical Consultations Using Elliptic Curve Cryptography with Iris Biometric”, *International Journal of Control Theory and Applications* (Print ISSN 0974-5572), 10 (13), pp. 169-179, 2017
- [28] Dindayal Mahto, **Dilip Kumar Yadav**, “RSA and ECC: A Comparative Analysis”, *International Journal of Applied Engineering Research* (Print ISSN 0973-4562, Online ISSN 0973-9769), 12(19), pp. 9053-61, 2017
- [29] Dindayal Mahto, **Dilip Kumar Yadav**, “One-Time Password Communication Security Improvement using Elliptic Curve Cryptography with Iris Biometric”, *International Journal of Applied Engineering Research* (Print ISSN 0973-4562, Online ISSN 0973-9769), 12(18), pp.7105-14, 2017
- [30] Sandeep Kumar Rao, Dindayal Mahto, **Dilip Kumar Yadav**, “The AES-256 Cryptosystem Resists Quantum Attacks”, *International Journal of Advanced Research in Computer Science* (ISSN 0976-5697); Udaipur, Vol. 8, Issue 3, pp. 404-408, 2017.
- [31] Krishnaraj Bhat, Dindayal Mahto, **Dilip Kumar Yadav**, “A Novel Approach to Information Security using Four Dimensional (4D) Playfair Cipher Fused with Linear Feedback Shift Register”, *Indian Journal of Computer Science and Engineering* (pISSN 2231-3850, eISSN:0976-5166)Vol. 8, Issue 1, pp. 15-32, 2017.
- [32] Krishnaraj Bhat, Dindayal Mahto, **Dilip Kumar Yadav**, “Comparison Analysis of AES256, RSA-2048 and Four Dimensional Playfair Cipher Fused with Linear Feedback Shift”, *International Journal of Advanced Research in Computer Science* (ISSN 0976-5697); Udaipur, Vol. 8, Issue 3, pp. 420-422, 2017.
- [33] Krishnaraj Bhat, Dindayal Mahto, **Dilip Kumar Yadav**, “Generalization for Multidimensional Playfair Cipher”, *International Journal of Advanced Research in Computer Science* (ISSN 0976-5697); Udaipur, Vol. 8, Issue 3, pp. 379-381, 2017.
- [34] Krishnaraj Bhat, Dindayal Mahto, **Dilip Kumar Yadav**, “Vantages of Adaptive Multidimensional Playfair Cipher over AES-256 and RSA-2048”, *International*

- Journal of Advanced Research in Computer Science (ISSN 0976-5697); Udaipur, Vol. 8, Issue 5, pp. 398- 500, 2017.
- [35] Krishnaraj Bhat, Dindayal Mahto, **Dilip Kumar Yadav**, “Information Security using Adaptive Multidimensional Playfair Cipher”, International Journal of Advanced Research in Computer Science; Udaipur, Vol. 8, Issue 5, pp. 372-380, 2017.
- [36] Susmita Mahato, Danish Ali Khan, **Dilip Kumar Yadav**, “A modified approach to data hiding in Microsoft Word documents by change-tracking technique,” Journal of King Saud University-Computer and Information Sciences (ISSN 1319-1578), vol. , pp. , 2017, <https://doi.org/10.1016/j.jksuci.2017.08.004> , Elsevier, Received 2 April 2017, Revised 21 July 2017, Accepted 25 August 2017
- [37] Susmita Mahato, **Dilip Kumar Yadav**, Danish Ali Khan, “Personal Characters to Bits mapping using Dot Pattern Character Encoding Scheme (DPCEs),” Journal of King Saud University-Computer and Information Sciences (ISSN 1319-1578), vol. , pp. , 2017, <https://doi.org/10.1016/j.jksuci.2017.08.003> , Elsevier, Received 16 May 2017, Revised 31 July 2017, Accepted 17 August 2017
- [38] Susmita Mahato, **Dilip Kumar Yadav**, Danish Ali Khan, “A minesweeper game-based steganography scheme,” Journal of Information Security and Applications (ISSN 2214-2134), vol. 32, pp. 1–14, 2017. <https://doi.org/10.1016/j.jisa.2016.11.005> , Elsevier
- [39] Sumit Kumar, **Dilip Kumar Yadav**, Danish Ali Khan, “A novel approach to automate test data generation for data flow testing based on hybrid adaptive PSO-GA algorithm” International Journal of Advanced Intelligence Paradigms (ISSN 1755-0386), vol. 8, pp. 278–312, 2017. <https://doi.org/10.1504/IJAIP.2017.082997> , Inderscience
- [40] Sumit Kumar, **Dilip Kumar Yadav**, Danish Ali Khan, “An accelerating PSO algorithm based test data generator for data-flow dependencies using dominance concepts” International Journal of System Assurance Engineering and Management (ISSN 0975-6809), vol. 8, pp. 1534–1552, 2017. Springer
- [41] C. Kumar, **Dilip Kumar Yadav**, “Software defects estimation using metrics of early phases of software development life cycle” International Journal of System Assurance Engineering and Management (ISSN 0975-6809), vol. 8, pp. 2109–2117, 2017. Springer
- [42] H. B. Yadav, **Dilip Kumar Yadav**, “Early software reliability analysis using reliability relevant software metrics” International Journal of System Assurance Engineering and Management (ISSN 0975-6809), vol. 8, pp. 2097–2108, 2017. Springer
- [43] Chandan Kumar, **D. K. Yadav**, Defect Estimation and Severity Analysis of Software Artifacts, International Journal of Control Theory and Applications, Vol. 9(41) pp. 863- 872, 2016. (SCOPUS Indexed)
- [44] Chandan Kumar, **D. K. Yadav**, Analysis of Domain Expert Opinion in Early Software Defect Prediction, Far East Journal of Electronics and Communications, S. Vol. 3(1), pp. 115-130, 2016. (SCOPUS Indexed)
- [45] Amrita, **Dilip Kumar Yadav**, “A Novel Method for Allocating Software Test Cases ”, International Conference on Recent Trends in Computing , SRM University, NCR Campus, Modinagar, Ghaziabad, India 12-13 march 2015. Publisher: Elsevier

- [46] Amrita, **Dilip Kumar Yadav**, "Operational Profile based software test case allocation", 2nd International Conference on Computing for Sustainable Global Development (INDIACom 2015) at Bharati Vidyapeeth, New Delhi 11-13 march, 2015, pp. 1775-1779. Publisher: IEEE , Print ISBN: 978-9-3805-4415-1
- [47] Sumit Kumar, **Dilip Kumar Yadav**, D A Khan, A Srivastava, "A Tool to Generate All DU Paths Automatically", In IEEE proceeding of 2nd International Conference on Computing for Sustainable Global Development (INDIACom 2015), 11-13 March 2015, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi, India, pp. 1780 – 1785, 2015. Publisher: IEEE, Print ISBN: 978-9-3805-4415-1
- [48] Sumit Kumar, **Dilip Kumar Yadav**, Danish Ali Khan, Sapna Varshney ,” A Compleitive Study of Automatic Test Data Generation for Data Flow Testing using GA, PSO & BPSO” In proceeding of International conference on “Advances in applied engineering and technology (ICAAET 2015), May 14 - 16, 2015 at Syed Ammal Engineering College Ramanathapuram , Tamilnadu, India, 2015
- [49] Chapter: A Novel Approach to Text Steganography Using Font Size of Invisible Space Characters in Microsoft Word Document Authors: Susmita Mahato, **Dilip Kumar Yadav**, Danish Ali Khan Book Title: Intelligent Computing, Networking, and Informatics Series Title: Advances in Intelligent Systems and Computing Volume 243, 01/2014, pp 1047-1054, Editors: Durga Prasad Mohapatra, Srikanta Patnaik Print ISBN: 978-81-322-1664-3, Online ISBN: 978-81-322-1665-0, Series ISSN: 2194-5357, DOI: 10.1007/978-81-322-1665-0_107, Publisher: Springer
- [50] Sumit Kumar, **Dilip Kumar Yadav**, D. A. Khan, "Data flow based test data generation using genetic algorithm", In proceeding of International conference on Reliability, Infocom Technologies and Optimization (ICRITO 2013) , January 29-31, at AMITY University, Greater Noida, India, 2013.
- [51] Susmita Mahto, **Dilip Kumar Yadav**, D. A. Khan, "A Modified Approach to Text Steganography using HyperText Markup Language", In proceeding of IEEE Third International Conference on Advanced Computing & Communication Technologies (ACCT 2013), pp. 40-44, Rohtak, India, 06/2013
- [52] Susmita Mahto, **Dilip Kumar Yadav**, D. A. Khan, "A Novel Approach to Text Steganography Using Font Size of Invisible Space Characters in Microsoft Word Document", In Proceedings of the International Conference on Advanced Computing, Networking, and Informatics, June 2013, Raipur, Chhatisgarh, India, 2013
- [53] Sumit Kumar, **Dilip Kumar Yadav**, D A Khan, and Sapna Varshney "A Comparative Study of Automatic Test Data Generation for Data Flow Testing using GA, PSO & BPSO" International Journal of Applied Engineering Research (IJAER) ISSN 0973-4562, Vol. 10, No. 55, pp. 2124-2129, 2015. (**SCOPUS**)
- [54] Dindayal Mahto and **Dilip Kumar Yadav**, " Enhancing Security of One-Time Password Using Elliptic Curve Cryptography with Finger-Print Biometric ", in proceeding of 2nd International Conference on Computing for Sustainable Global Development, Bharati Vidyapeeth's Institute of Computer Applications and Management (BVICAM), New Delhi (INDIA); 03/2015
- [55] Dindayal Mahto, **Dilip Kumar Yadav**, " Security Improvement of One-Time Password Using Crypto-Biometric Model ", in proceeding of 3rd International

- Conference on Advanced Computing, Networking, and Informatics [ICACNI - 2015], KIIT University, Bhubaneswar, Orissa, India; 06/2015
- [56] Dindayal Mahto, **Dilip Kumar Yadav**, "Enhancing security of one-time password using Elliptic Curve Cryptography with biometrics for e-commerce applications ", In proceeding of Third International Conference On Computer, Communication, Control And Information Technology (C3IT), pp. 1-6, 2015, Hooghly, India; 02/2015
- [57] Dindayal Mahto and **Dilip Kumar Yadav**, "Network Security using Elliptical Curve Cryptography with Biometric", in proceeding of Springer LNICST (QSHINE 9th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness), January 11-12, GBU, Greater Noida, India, Vol. 115, pp. 842-853, 2013.
- [58] Chapter-2: Software defects estimation using metrics of early phases of software development life cycle Authors: Chandan Kumar, **Dilip Kumar Yadav** Book Title: Computer Science and Engineering- Recent Trends, e/1 2015 pp 11-18, Editors: R. Rajesh, Prabhat Ranjan, www.narosa.com Print ISBN: 978-81-8487-391-7, Publisher: Narosa Publishing House Pvt. Ltd., India
- [59] Chandan Kumar, **Dilip Kumar Yadav**, " A Method for Developing Node Probability Table Using Qualitative Value of Software Metrics ", In proceeding of Third International Conference On Computer, Communication, Control And Information Technology (C3IT), pp. 1-5, 2015, Hooghly, India; 02/2015
- [60] Chandan Kumar and **Dilip Kumar Yadav**, "A Bayesian Approach of Software Risk Assessment" In proceeding of International conference on "Advances in applied engineering and technology (ICAAET 2015), May 14 - 16, 2015 at Syed Ammal Engineering College Ramanathapuram , Tamilnadu, India, 2015
- [61] Chandan Kumar and **Dilip Kumar Yadav**, "A Bayesian Approach of Software Risk Assessment" International Journal of Applied Engineering Research (IJAER) ISSN 0973-4562, Vol. 10, No.55, pp. 2366-2371, 2015. (**SCOPUS**)
- [62] Chapter-6: Defects Density Analysis of Early Software Development Phases Authors: Harikesh B. Yadav, **Dilip Kumar Yadav** Book Title: Computer Science and Engineering- Recent Trends, e/1 2015pp 41-48, Editors: R. Rajesh, Prabhat Ranjan, www.narosa.com Print ISBN: 978-81-8487-391-7, Publisher: Narosa Publishing House Pvt. Ltd., India
- [63] Harikesh B. Yadav, **Dilip Kumar Yadav**, "A Histogram Techniques to Construct Membership Function of Numeric Data" In proceeding of International conference on "Advances in applied engineering and technology (ICAAET 2015), May 14 - 16, 2015 at Syed Ammal Engineering College Ramanathapuram , Tamilnadu, India, 2015
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