

Curriculum Vitae



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Dr. Durgansh Sharma

EDUCATION QUALIFICATION

- I. Ph.D. (Computer Science), University of Petroleum and Energy Studies, Dehradun, India, 2017. Topic: Energy Efficient Resource optimized Digital Watermarking Scheme for Mobile Devices
- II. M.Tech. (Computer Science), [ALCCS] from IETE (Institute of Electronics and Telecommunication Engineers), Delhi, India, 2010.
- III. M.C.A (lateral entry) from Maharishi Dayanand University, Rohtak, India, 2009
- IV. M.Sc. from Maharishi Dayanand University, Rohtak, India, 2003
- V. PGDBA from Institute of Marketing & Management, Delhi, India, 1997
- VI. B.Sc. (Electronics), Delhi University, India, 1993

ACADEMIC AFFILIATIONS

- I. Associate Professor (Computer Science), School of Computer Science, University of Petroleum and Energy Studies India, **Global University System, Netherlands**, 1st July 2017 onwards.
- II. Assistant Professor (Information Systems and Decision Sciences) Jaipuria Institute of Management, NOIDA, India, 11th October 2008 - June 2017. (**NAAC & NBA Accredited**)
- III. Assistant Professor (Information Technology), Institute of Management Studies, NOIDA from 1st September 2005 – 10th October 2008.
- IV. Senior Lecturer, Institute of Management Education (IME), Ghaziabad, India, December 2002 – April 2003.
- V. Senior Faculty, New Millennium Education Society, Delhi, India, August 2000 – November 2002.

ACADEMIC ADMINISTRATIVE EXPERIENCE

- I. Head of Department, Department of Systemics, School of Computer Science, UPES, Aug-2017 to Aug-2018.
- II. Conference Chair – 4th International Conference (NGCT-2018) at UPES.
- III. Area Chair (Information Systems, Operations and Decision Sciences) at Jaipuria Institute of Management-Noida [July-2013 – June,2017]
- IV. Area Chair (IT) at Jaipuria Institute of Management-Noida [2010-11]
- V. Programme Director PGDM(G) at Jaipuria Institute of Management [2010 – 2015]
- VI. Co-Chairperson (Admissions) at Jaipuria Institute of Management [Dec-2013 – Oct 2015]

- VII. Examination Coordinator at Jaipuria Institute of Management [2010-11]
- VIII. Head of Department, (Information Technology), Institute of Management Studies, Noida
- IX. Head Legal Main Contract, Administrator, Instructor of CISCO CCNA Classes. (IMS)
- X. Coordinator Academic Initiative Projects [IBM, Microsoft etc.] (IMS-Noida)
- XI. Center Head for TOEFL Examination Center (IMS-Noida)
- XII. Centre Head for Cyberlearning's [Microsoft Office Specialist] of Department (IT), Institute of Management Studies, Noida [2005-2008] (IMS-Noida)

INDUSTRY EXPERIENCE

- I. Marketing Manager, SofBlue India Pvt. Ltd. May 2003 – Dec 2004.
 - a. Project: Class 1.0 Bluetooth Based Automatic Energy Meter Reading System
- II. PeopleSoft Consultant, PG Softech Ltd. Delhi, India, Jan 2000 - Aug 2000.
 - a. PeopleSoft HR Payrolls implementation for Avenir Power Systems, Hyderabad
- III. Manager (QA), Accurate Meters Ltd., Noida, India, June 1993 – Jan 2000.
 - a. Design and Development of Static Single Phase Energy Meter
 - b. Design and Development of Static Three Phase Energy Meter
 - c. Upgradation of Energy Meters Design with 16 bit Microcontrollers

COURSES TAUGHT

- I. Graphics and Animation Tools
- II. Open Source Graphics and Animation Tools (IBM)
- III. Enterprise Mobile Applications Management (IBM)
- IV. Data Warehousing and Data Mining in Energy Sector
- V. Information Retrieval
- VI. Business Intelligence (IBM)
- VII. Image Processing
- VIII. Agile Systems
- IX. Enterprise Mobile Application Development (IBM)
- X. Enterprise Mobile Application Management (IBM)
- XI. Advanced DBMS
- XII. Business Analytics
- XIII. Web Analytics and Social Media
- XIV. Management Information System
- XV. Advanced Excel for Managers
- XVI. Statistics for Data Science
- XVII. Social Analytics (IBM)

AREA OF RESEARCH

- Computer Vision, Machine Vision,
- Image Processing, Image Analysis, Image Classification, Image Mining
- Real-Time Systems, Energy Metering Systems.
- Data Security, System Security
- Inclusive Business Models,
- Business Analytics (Education, Healthcare, Sports, Tourism)
- AI based decision support systems
- Internet of things, Fog Computing
- Security Enhancement at Smart City

RESEARCH PROJECTS

- I. Restructuring of recruitment and promotion policy (amendments) rules 2013, BIBCOLD, Dept. of Bio-Technology, Govt. of India, Completed in 2013
- II. Smart and Effective Wearable Glasses for Elderly People, 2020, submitted to SAC, ISRO, Ahmedabad (In Progress)

PH.D. GUIDANCE

- I. Ankit Vishnoi, A novel approach for robust data security using homomorphic transformation, UPES [Under Progress – Towards Final Submission]
- II. Roohi Sille, Realtime segmentation of medical images, UPES [Under Progress]
- III. Glen Bennett Hermon, Optimized and Non-Invasive Method for Individual Identification of Asiatic Lions, UPES [Under Progress – Towards Final Submission]

PROFESSIONAL MEMBERSHIP

Member of Editorial Advisory/ Review Board

- I. Editorial Board, International Journal for Innovative design and Technology, Inderscience Journal
- II. Review Board, Special Issue on “Technological Innovation in SDN/NFV, Cloud Computing and Big Data”, International Journal of communication network and distributed systems (IJCND), Scopus indexed, Inderscience journal
- III. Review Board for Special Issue On: Advancement and Imminent of Information Technology, International Journal of Information Technology Project Management (IJITPM), IGI global, ESCI, Web of Science Indexed, UGC approved journal
- IV. Review Board for Special Issue On: Applied Evolutionary Computation and Computational Intelligence, International Journal of Natural Computing Research (IJNCR), IGI global, Inspec, ACM digital library indexed

- V. Review Board, for Special Issue On: Innovations in Information Technology and Management, International Journal of Knowledge-Based Organizations (IJKBO), IGI global, Inspec, ACM digital library indexed.
- VI. Review Board, for special issue on Innovation in Cluster computing using big data and advanced networks (Cluster Computing Journal) Springer journal ESCI indexed, Scopus Indexed with impact factor of more than 2.

PATENTS (PUBLISHED)

1. Dr. Sunil Gupta, Dr. Durgansh Sharma: “System For Smart Home Fusion Billing System Using Fog Computing”, Application Number: 202011005592 A, Filing Date: 8-Feb-20, Publication Date: 21-Feb-20
2. Ankit Vishnoi, Dr. Durgansh Sharma, Dr. Manish Prateek: “Secure Multimodal Biometric System and Method Thereof”, Application Number: 202011026108 A, Filing Date: 21-Jun-20, Publication Date: 7-Aug-20

PUBLICATIONS (INTERNATIONAL & NATIONAL)

1. Glen Bennet Hermon, Durgansh Sharma: “Unique Lion Identification Using Triplet Loss and Siamese Networks”, Revue d'Intelligence Artificielle, International Information and Engineering Technology Association (Jan-2021) (SCOPUS)
2. Ankit Vishnoi, Durgansh Sharma, Manish Prateek: “Improvising Data Security Measures using Rajan Transform”, Journal of Engineering Science and Technology, (Accepted, Jan-2021), (Web of Science)
3. Glen Bennet Hermon, Durgansh Sharma, Saurabh Shanu, “Non -Invasive Techniques for Identification of Individuals within a Species: A Computational Review”, ECOLOGY, ENVIRONMENT AND CONSERVATION, (Accepted, Nov, 2020) (To be published in May-20201) (SCOPUS)
4. Aditya Kakde, Durgansh Sharma, Bhavana Kaushik, Nitin Arora, “Investigation of Solar Flare Classification to Identify Optimal Performance”, Electronic Letters on Computer Vision and Image Analysis, 20(1): 28-41, 2021 (SCOPUS)
5. Sunil Gupta, Durgansh Sharma: “Prediction of COVID-19 Spread in World using Pandemic Dataset with Application of Auto ARIMA and SIR Models”, International Journal of Critical Infrastructures, Accepted (Publication in Progress) (SCOPUS, e-SCI), 10.1504/IJCIS.2022.10034881
6. Deepak Singh, Durgansh Sharma: “Employability Skills to Thrive during Forth Industrial Revolution: Upskilling Secondary School Learners”, Jaipuria International Journal of Management Research, Volume-6, pp: 3-12
7. Durgansh Sharma, Monit Kapoor: “General Recommender Engine For Security Of IoT Based Real Time Monitoring System”, SSRN, DOI: 10.2139/ssrn.3527390
8. Aditya Kakde, Durgansh Sharma, Nitin Arora: “Optimal Classification of COVID-19: A Transfer Learning Approach”, International Journal of Computer Applications, Volume 176-20, Year 2020, Pages 25-31
9. Aditya Kakde, Nitin Arora, Durgansh Sharma, S.C. Sharma, “Multi spectral classification and recognition of breast cancer and pneumonia”, Polish Journal of Medical Physics and Engineering, Volume 26, Year 2020, Pages 1-9 (SCI, SCOPUS)

10. Deepak Singh, Durgansh Sharma: "Leadership at Base of Pyramid: Using Robotic Process Automation for Vocational Education & Training", Jaipuria International Journal of Management Research, Volume-5, pp: 38-46
11. Ankit Vishnoi, Durgansh Sharma, Manish Prateek: "Data Security Measures using Hybrid Encryption Technique", International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8, Issue-10S, August 2019.
12. Durgansh Sharma, Vaibhava Sharma: "Optimal Predictive Model for FIFA WorldCup", International Journal for Recent Technologies and Engineering, Volume-7 Issue-6, Mar. 2019, ISSN 2277-3878 (SCOPUS)
13. Sumit Kumar, Durgansh Sharma, Neeraj Chugh: "Improved Message Recovery Based Authentication Mechanism for Internet of Things Applications System", International Journal of Scientific Research in Computer Science Applications and Management Studies (IJSRCSAMS), Volume 7, Issue 6, paper-id -82, Jan. 2019, ISSN 2319-1953 (UGC)
14. Aditya Kakde, Nitin Arora, Durgansh Sharma: "Novel Approach towards Optimal Classification using Multilayer Perceptron" International Journal of Research in Engineering, IT and Social Science, Vol 8, 10, Oct. 2018, pp. 29-38 ISSN 2250-0588 (UGC)
15. Aditya Kakde, Nitin Arora, Durgansh Sharma: "Fire Detection System Using Artificial Intelligence Techniques" International Journal of Research in Engineering, IT and Social Science, Vol. 08, 11, Nov. 2018, pp. 1-5, ISSN 2250-0588 (UGC)
16. Vranda Jain, Durgansh Sharma, Surender Kumar, "Sustainability Of Autonomous Business Schools In India: A Conceptual Framework", Singapore Management Journal, Vol.7 Issue 1 (Sep-2018).
17. Vranda Jain, Surender Kumar, Durgansh Sharma, "Study of Factors Influencing Sustainability of Autonomous Business Schools in India", Conference Proceedings, ICMAPRANE-2018, pp:416-420
18. Surender Kumar, Durgansh Sharma, "Study of ICT and Tourism LED Growth in India and Thailand", Asia Business and Economics Journal: ABEJ. Social Science Asia, Volume 3 Number 3, p : 24-31 (http://164.115.28.46/nrctejournal/file_upload/digital_file/137_3fd76.pdf)
19. Durgansh Sharma, Deepak Singh, "*Inclusive Business Models: The Success Mantra for Healthcare Leadership at Bottom of Pyramid*", published in Int. J. of Strategic Business Alliances (IJSBA), 2016
20. Surender Kumar, Durgansh Sharma, "Factors Influencing ICT Development in BRICS Countries", published in International Journal of Social and Organizing Dynamics in Information Technology (IJSODIT), 2016
21. Durgansh Sharma, Manish Prateek, Tanushyam Chattopadhyay, IJIP-970 title "*Realtime Energy Efficient Digital Image Watermarking on Mobile Devices using Android*" is published in International Journal of Image Processing (IJIP), Volume (9) : Issue (2) : 2015.
22. Durgansh Sharma, Manish Prateek, Tanushyam Chattopadhyay, IJIP-887 is published with the title "*DCT and Simulink Based Realtime Robust Image Watermarking*" in International Journal of Image Processing (IJIP) , Volume (8) : Issue (4) : 2014
23. Durgansh Sharma, Manish Prateek, Tanushyam Chattopadhyay, "*DCT Based Fuzzy Image Watermarking*" Global Journal of Enterprise Information System pp 90-95, Volume 6, Issue 2, April-June 2014.
24. Sudhansh Sharma, Neetu Sharma, Durgansh Sharma "*Performance Measurement and Comparison of Lossless Compression Algorithms*" to Global Journal of Enterprise Information System pp 5-11, Volume-III, Issue-IV, October – December 2011.
25. Sudhansh Sharma, Neetu Sharma, Durgansh Sharma "*Compression - An Approach for Energy Conservation in Wireless Networks*" to Global Journal of Enterprise Information System pp 76-83, Volume-III, Issue-II, April – June 2011.
26. Subodh Kesharwani, Naveen Kumar, Sudhansh Sharma, Durgansh Sharma "Interoperability

Maneuver the Enterprise's Dimensions with ERP System" to Global Journal of Enterprise Information System; Volume-I, Issue-I, January 2009 – July 2009.

BOOKS Chapters

1. Durgansh Sharma (2020), 4 Units [Unit-17, 18, 19, 20] for "Computer Applications in Business" BCOS-183, IGNOU.

CASE PUBLICATIONS

1. Deepak Singh, Durgansh Sharma, "Over2Cloud-Help Desk Manager: A Social Enterprise Tool for Industry in Denial", Case – 517-0033-1, Case Centre, UK, 2016

ARTICLE PUBLICATIONS

1. Durgansh Sharma, Sunil Gupta, "Gut-Brain Model Towards Artificial General Intelligence", Electronics for You, January 2020.
2. Durgansh Sharma, Sunil Gupta, "Microbots: Benefit, Challenges and Potential Applications", CSI-India, December-2019, Volume 43(9), Pages-24-26

MANAGEMENT DEVELOPMENT PROGRAMMES

Name of Programme	Programme Dates	Contribution
NTPC, KRIBHCO, TCI	--	Faculty: Office Automation Average Feedback 4.5/5
BSF, Kalyani, Kolkata Btn 40 and 152	8-9 October, 2013	Faculty: Stress Management Feedback:9.2/10
BSF, Siliguri, Base Camp	11-12 October, 2013	Faculty: Stress Management Feedback:9.4/10

CONFERENCES PRESENTATIONS/ ATTENDED

1. Deepak Singh, Durgansh Sharma, "Sustainable Model for I-Cadaver at Bottom of Pyramid in India", Conference Proceedings, ICMAPRANE-2018, pp:211-213
2. Durgansh Sharma, Deepak Singh, "Managing Education at Bottom of Pyramid: Role of Inclusive Business Models in Empowering Edupreneurs in India", presented a working paper in the proceedings of ICMAPRANE-2017, International Conference on Management Practices for the New Economy.
3. Durgansh Sharma, Deepak Singh, "DreamSol Telesolutions: Leveraging the Power of Innovation for Managing Information System in Healthcare Sector", ICMC-2016, BIMTECH
4. Surender Kumar, Durgansh Sharma, "Study of ICT and Tourism led growth in India and Thailand", BECIC-2016, Thailand
5. Deepak Singh, Durgansh Sharma "Healthcare Leadership at Bottom of Pyramid", presented a working paper in the Proceedings of ICROSMOS-2016, International Conference on The Role of Social Media for Organizational Sustainability.
6. Surender Kumar, Durgansh Sharma, Vaibhav Jain "Econometric Analysis of ICT Development in BRICS Countries", presented a research paper in the Proceedings of ICROSMOS-2016, International Conference on The Role of Social Media for Organizational Sustainability.
7. Sudhansh Sharma, Durgansh Sharma, "Nanoscale MOS Device Design for Ultra Low Voltage Digital/Analog RF applications" (Paper id:ITBT-157)", In Proceedings - "2nd National Conference on Information Technology for Business Transformation (ITBT' 11)", pp. 206-209, November 4th and 5th, 2011.
8. Sudhansh Sharma, Durgansh Sharma (November 14, 2009) "Cloud Computing – A Profitable & Eco-friendly option for Enterprises" in the proceedings of National Conference on ICC-

2009 on dated 14 Nov 2009

9. Durgansh Sharma, Sudhansh Sharma (April 17-18, 2009) “Intelligent Automatic Energy Meter Reading System and its Management using Mobile Agents in Client Server Environment – An Analytical Approach” at National Conference on Emerging Trends in Software and Networking Technologies organized by Amity Institute of Information Technology, Amity University
10. Durgansh Sharma (January 11, 2008) “Current Trends and Future of Network Security” Paper Presented at International Conference on New Media & Citizens' Right to Privacy held on January 11-12, 2008 at ICSSR Conference Hall, Aruna Asif Ali Road, Vasant Kunj, Jagannath International Management School, GGSIP University, Delhi.

CONFERENCES/ CONCLAVE ORGANISATION

1. Chair Person for 4th International Conference on Computational Intelligence (NGCT-2018) organized by NGCT held at UPES, Dehradun on 21-22 November, 2018
2. Session Chair for 3rd International Conference on Smart and Innovative Trends for Next Generation Computing organized by NGCT held at UPES, Dehradun on 30-31 October, 2017.
3. Faculty Coordinator for 2nd IT-Operations Conclave “Operating Innovation – Innovating Operations” held at Jaipuria Institute of Management, Noida on 21st March, 2015
4. Faculty Coordinator for 1st IT-Operations Conclave, “Leveraging Cloud for Green Operations” held at Jaipuria Institute of Management, Noida on 22nd March, 2014

SELECTED INVITED SEMINARS/FDPs

1. Faculty Development Program (Series) for the usage of MOODLE at Jaipuria Institute of Management, Noida (2011-2016)
2. Durgansh Sharma (March 10, 2008) “Virtualization through open source” Paper Presented at National seminar on, “Open Source Software: Challenges and Opportunities” at ICSSR Conference Hall, Aruna Asif Ali Road, Vasant Kunj, by Jagannath International Management School, GGSIP University, Delhi.

PERSONAL INFORMATION

Date of Birth	September 23 rd , 1971
Father's Name	Dr. R. K. Sharma
Marital Status	Married

(Durgansh Sharma)