

## DR. PUSHPENDER SARAO



**Name : Dr. Pushpender Sarao**

**Designation : Professor**

**Total Experience: 18 Years**

**Email: pushpender.cse@hitam.org**

**Mobile: 8059335388**

### Specialization

Computer Science and Engineering

### Academic Qualification

2010, BE from MD University, Rohtak, Haryana.

2012, M.Tech from MD University, Rohtak, Haryana

May, 2016, PhD from Shri Venkateshwara University, Gajraula, Uttar Pradesh.

### International Journals:

Pushpender Sarao, "Comparison of AODV, DSR, and, DSDV routing protocols in a Wireless Network" Journal of Communication, Vol. 13, No. 4, pp. 175-181, April 2018. (doi:10.12720/jcm.13.4.175-181)

Pushpender Sarao, Kannaiah Chattu, Ch.Swapna, "Routing issues and challenges in Underwater Wireless Sensor Networks", International Journal of Computer Sciences and Engineering (An UGC approved and ICI indexed Journal), Volume-6, Issue-2, pp. 238-241, February, 2018.

Ø Pushpender Sarao, T. Raghavendra Gupta, S. Suresh, "Optimal Route Selection Strategy in Wireless Mesh Networks", International Journal of Computer Sciences and Engineering (An refereed and UGC Approved Journal), Vol.6, Issue.1, pp.257-262, Jan, 2018.

Pushpender Sarao, "Efficiency Evaluation of Routing Protocols in Manets", Advances in Computer Science and Information Technology (ACSIT), ISSN: 2393-9915, Volume 4, Issue 5, October-December, 2017, pp. 315-319.

Dr. Pushpender Sarao, A new strategy for Performance Enhancement of DSR in Vehicular Ad-Hoc Network, International Journal of Applied Engineering Research (AJAER) ISSN 0973-4562(an UGC approved and SCOPUS (Springer) indexed Journal), Volume 12, Number 18 (2017), pp. 7884-7890.

NitikaSiger, PushpenderSarao, "Data quantitative and generalized rules using apriorialgorithm", PIJMT, Vol. 2, No. 3, May, 2015, pp. 1-9.

Rashmi,Pushpender Sarao, "A qualitative approach to design an algorithm and its implementation for dynamic load balancing on web server systems", PIJMT(ISSN-2394-3749), Vol. 2,No. 3, May, 2015, pp. 17-28.

Pushpender, Dr. Sohan Garg," A new Optimal Route Selection Algorithm for Wireless Mesh Networks", PIJMT, Vol. 2, no. 3,pp. 1-14, May, 2015.

Pushpender, Dr. Sohan Garg, "Routing for Wireless Mesh Networks using Agent based Scheme" International Journal of Current Engineering and Technology, Volume 5, No. 2(April, 2015), pp 1009-1014.E-ISSN 2277 – 4106, P-ISSN 2347 – 5161.

## DR. PUSHPENDER SARAO

- PushpenderSarao, "Fuzzy Logic and Energy Based Routing in Wireless Mesh Networks",Anusandhan (AUJ-AN) ISSN: 2278-4187, Volume: 4 | Issue: 7,AISECT University. 01 Mar 2015,(Approved by UGC).
- Pushpender Sarao, Dr. Sohan Garg, "SOFT COMPUTING BASED ROUTING IN WIRELESS MESH NETWORKS", Somany International Research Journal, Volume I, Issue I, Jan-Dec, 2013, ISSN No.-2320-821X.
- Pushpender Sarao, Dr. Sohan Garg,"Routing in Wireless Mesh Networks Using Mobile Agents",AKGEC International Journal of Technology, Vol.5, No.1, pp. 9-13, Jan-June, 2014,ISSN 0975-9514.
- Pushpender, Sohan Garg, "An Optimization Technique For Wireless Mesh Networks", International Journal of Advanced Research in Computer and Communication Engineering Vol. 3, Issue 6, pp.6838-6843, June 2014.
- Pushpender and Sohan Garg, "Route Optimization Technique for Wireless Mesh Networks", International Journal of Information & Computation Technology, Volume 4, Number 17 (2014), pp.1805-1813.
- Pushpender, Dr. Sohan Garg, "A new Cluster Head Election Algorithm for Wireless Mesh Networks", Shiv Shakti International Journal in Multidisciplinary and Academic Research (SSIJMAR) (ISSN 2278 – 5973), Vol. 3, No. 3, pp. 92-103, May-June,2014.
- Pushpender, Preeti Yadav, "Improvement in the GPSR Protocol to Increase Efficiency of VANET", Shiv Shakti International Journal in Multidisciplinary and Academic Research (SSIJMAR) (ISSN 2278 – 5973),Vol. 3, No. 3, pp.172-177, May-June,2014.
- Pushpender, Dr. Sohan Garg,"Issues and Challenges in Designing of a Routing Protocol for Multi-hop Wireless Mesh Networks", IJARCSSE, Volume 4, Issue 5, May, 2014, pp. 787-792.
- Pushpender Sarao, Syed Yasmeen Shadab, Gulshan Amin, "Multi-homing and multi-stream protocol in computer networks", IJSMC, vol. 3, Issue 3, March, 2014, pp. 1183-1187.
- Pushpender, " An Extended Study for Analyzing the Composite Material (SiC)",SHIV SHAKTI International Journal in Multidisciplinary and Academic Research (SSIJMAR) Vol. 3, No. 1, February- March -2014 (ISSN 2278 – 5973),pp-95-100.
- PushpenderSarao, Sohan Garg, "A Secure and Trusted Routing Scheme for Wireless Mesh Networks", International Journal of Computer Science and Mobile Computing, Vol.3 Issue.3, March- 2014, pg. 488-500.
- Pushpender, Sohan Garg, YashPal Singh, "A Trust based Reliable Routing Scheme for Wireless Mesh Networks", International Journal of Computer Applications (0975 – 8887) Volume 89 – No.4, March 2014,pp.25-30.
- Pushpender, Prof. (Dr.) Sohan Garg, "BO-AODV: Buffer Occupancy Based Routing Protocol for Multi-Hop Wireless Mesh Networks", SHIV SHAKTI International Journal in Multidisciplinary and Academic Research (SSIJMAR) Vol. 3, No. 1, February- March -2014 (ISSN 2278 – 5973),pp.37-47.
- Pushpender, Prof.(Dr.) Sohan Garg," New Routing Technique based on Fuzzy and Network dependent for Wireless Mesh Networks",International Journal of Modern Electronics and Communication Engineering (IJMECE) ISSN: 2321-2152 (Online) Volume No.-2, Issue No.-1, January, 2014,pp. 5-9.
- Er. Pushpender Sarao, Prof.(Dr.) Sohan Garg, "LSA-AODV: A link stability based algorithm using fuzzy logic for multi-hop wireless mesh networks",SHIV SHAKTI International Journal in Multidisciplinary and Academic Research (SSIJMAR) Vol. 2, No. 6, November- December (ISSN 2278 – 5973),Dec,2013,pp. 1-12.

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- Er. Pushpender, Prof. (Dr.) Sohan Garg, "A New Routing Technique Based on Fuzzy Logic for Multi-Hop Wireless Mesh Networks", IOSR Journal of Engineering (IOSRJEN) Vol. 3, Issue 11 (November. 2013), ||V4|| PP 01-08. e-ISSN: 2250-3021, p-ISSN: 2278-8719
- Er. Pushpender, Dr. Sohan Garg, "SS-AODV: Sink Secure Ad-hoc on-demand Distance Vector Routing for Wireless Mesh Networks", International Journal of Advanced Research in Computer Science and Software Engg. 3(10), October - 2013, pp. 150-156, ISSN: 2277 128X.
- Er. Pushpender Sarao, Dr. Sohan Garg, Prof.(Dr.) YashPal Singh, "Analyzing the Challenges for Enhancement/Efficiency in Wireless Mesh Networks (WMNs)", International Journal of IT, Engineering and Applied Sciences Research (IJIEASR) Volume 2, No. 10, October 2013, pp- 1-7, ISSN: 2319-4413.
- Pushpender, Dr. Sohan Garg, Ram Kumar, "A WIRELESS MESH NETWORK ARCHITECTURE, ISSUES, APPLICATIONS", International Journal of Modern Computer Science and Applications (IJMCSA) Volume No.-1, Issue No.-4, September, 2013, pp-14-19, ISSN: 2321-2632 (Online).
- Er. Pushpender Sarao, Prof.(Dr.) Sohan Garg, Prof.(Dr.) YashPal Singh, "A COMPARATIVE STUDY OF ROUTING PROTOCOLS IN WIRELESS MESH NETWORKS", SHIV SHAKTI International Journal in Multidisciplinary and Academic Research (SSIJMAR) Vol. 2, No. 5, August – September 2013, pp-1-11, ISSN
- Pushpender, Dr. Sohan Garg, Ram Kumar, "A STUDY OF DIFFERENT LAYERS AND ROUTING PROTOCOLS IN WIRELESS MESH NETWORKS", International Journal of Modern Computer Science and Applications (IJMCSA) Volume No.-1, Issue No.-4, September, 2013, pp-1-7, ISSN: 2321-2632 (Online).
- Er. Pushpender Sarao, Prof.(Dr.) Sohan Garg, "TSR-AODV: A Reliable Routing Mechanism for Wireless Mesh Networks", International Journal of Advanced Research in Computer Science and Software Engineering 3(10), October - 2013, pp.514-520, ISSN: 2277 128X.
- Pushpender, Prof.(Dr.) Sohan Garg, Sandeep Dagar, " Routing challenges and efficiency enhancement of Reactive Routing Protocol in Wireless Mesh Networks", International Journal of Modern Electronics and Communication Engineering (IJMECE) Volume No.-1, Issue No.-4, September, 2013, pp-6-11, ISSN: 2321-2152 (Online).
- Er. Pushpender Sarao, Dr. Sohan Garg, Prof. (Dr.) YashPal Singh, "Wireless Mesh Networks: WMN Architecture, Issues and Challenges", International Journal of IT, Engineering and Applied Sciences Research (IJIEASR) Volume 2, No. 9, September 2013, pp-29-34, ISSN: 2319-4413.
- Pushpender, Prof. (Dr.) Sohan Garg, Prof. (Dr.) YashPal Singh, "Performance /efficiency enhancement of Dynamic Source Routing Protocol in Wireless Mesh Networks", Journal of Engineering Research and Application www.ijera.com, Vol. 3, Issue 5, Sep-Oct 2013, pp.991-995, ISSN: 2248-9622.
- Mudit Bansal, Pushpender Sarao, "Collision free MAC Protocol in WSN", SSIJMAR, Vol. 3, No. 4, pp.102-120, August-September, 2014
- Pushpender, Sandeep Godara, Ms. Nirmal, " Modeling Cardiovascular Disease Diagnosis System Using Hidden Markov Model Based Clustering Approach", IJARCSSE, Volume-4, Issue-6, June, 2014.
- Deepika Sharma, Pushpender Sarao, "Implementation of MD5-640 Bits algorithm with Stream Controlled Transfer Message", IJERCSE (ISSN 2394-2320), DOI-5026, pp. 124-129, vol.2, Issue-5, May, 2015.
- Savita Verma, Pushpender Sarao, "Advanced Secured Authentication through Firewall in NSC", International Journal of Computer Trends and Technology (IJCTT), volume 23, number 4, pp. 184-191, May, 2015, ISSN: 2231-2803, Published by Seventh Sense Research Group.
- Kamlesh Yadav, Pushpender Sarao, "Preserving Data Mining Over Horizontally Data", International Journal of Computer Trends and Technology (IJCTT), volume 23, number 4, pp. 192-197, May, 2015, ISSN: 2231-2803, Published by Seventh Sense Research Group.

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### Publication Details

Lovkesh Kumar,Rashmi, Pushpender Sarao, “A Study to measure Self And Job Satisfaction of Nursing Service Provider” ,SHIV SHAKTI International Journal in Multidisciplinary and Academic Research (SSIJMAR), Volume 4, No.2, April, 2015.

Manu Yadav, Pushpender Sarao, “RED Routing Algorithm in Active Queue Management for Transmission Congestion Protocol”, SHIV SHAKTI International Journal in Multidisciplinary and Academic Research (SSIJMAR), Volume 4, No.3, June , 2015.

Manu Yadav, Pushpender Sarao, “Active Queue Management for Transmission Congestion Protocol”, Protagonist International Journal of Management and Technology (PIJMT), Volume 2, Number 3, May, 2015.

Nitika Siger, Pushpender Sarao, “Conceptualization of Data Mining Technique Using Apriori Algorithm in the analysis of Sales and Consumer Purchasing”, PIJMT, Vol. 2, No. 3, May,2015.

Shruti Jain, Pushpender Sarao, “Experimental evaluation data sets with different Active Learning Strategies “, PIJMT, Volume 2, Number 3, May, 2015.

Vesha Tomer, Pushpender Sarao, “Comparative Analysis of Various Biometric Techniques”, Protagonist International Journal of Management and Technology (PIJMT), Volume 2, Number 3, May, 2015. ISSN: 2394-3742.

Shruti Jain, PushpenderSarao, “The Study of Active Learning with Evolving Streaming Data”, SSIJMAR (ISSN:2278-5973),Volume 4, Number 3, June, 2015.

Garima Singh, Pushpender Sarao, “An Approach to Reveal Website Defacement”, SSIJMAR,Vol. 4, No. 3, June, 2015.

Deepak Kumar, Pushpender Sarao, “Study of Routing Techniques in Wireless Sensor Networks”, SIJMAR, Volume 4, No. 3, June, 2015.

Rashmi Sharma, Lovkesh Kumar, Pushpender Sarao, “A review paper on dynamic load balancing on web server systems”, IJITE(ISSN-2395-2946),Vol. 05, No. 2, May, 2015, pp. 70-74.

Lovkesh Kumar, Pushpender Sarao, “Simulation of fuzzy traffic light monitoring system using FuzzyTech 5.72”, Vol. 2, No.3, May, 2015,pp 1-6.

Rashmi, Pushpender Sarao, “A qualitative approach to design an algorithm and its implementation for dynamic load balancing on web server systems”, PIJMT(ISSN-2394-3749), Vol. 2,No. 3, May, 2015, pp. 17-28.

Nitika Siger, Pushpender Sarao, “Data quantitative and generalized rules using apriorialgorithm”,PIJMT, Vol. 2, No. 3, May, 2015, pp. 1-9.

Pushpender Sarao and Dr. Sohan Garg, “Performance Enhancement of AODV for Wireless Mesh Network Using Fuzzy Model”, SBIT International Research Journal, Volume I, Issue I, pp. 80-84, February, 2015.

PushpenderSarao and Dr. SohanGarg, ”Energy Optimization Routing Technique for Wireless Mesh Networks”,AKGEC International Journal of Technology,Vol. 5 ,No.2,pp. 18-23, July-Dec, 2014.

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Pushpender Sarao, Dr. Sohan Garg, "SOFT COMPUTING BASED ROUTING IN WIRELESS MESH NETWORKS", Somany International Research Journal, Volume I, Issue I, Jan-Dec, 2013, ISSN No.-2320-821X.

Dr. Pushpender Sarao, "Enhanced DSR for VANET Using Position, Direction, Speed parameters", National Conference on advances in multidisciplinary aspects of science & Engineering (AMASE-2016) to be held at Deenbandhu Chhotu Ram University of Science & Technology, Murthal, Sonapat, Haryana, India, organized by Central Instrumentation Laboratory (CIL) in association with Indian Society of Analytical Scientists (ISAS)-Delhi

Pushpender Sarao, Dr. Sohan Garg, "Optimal Route Selection in Wireless Mesh Networks using Fuzzy based Mechanism", National Conference (sponsored by KnowIT RESEARCH) on interdisciplinary research in science and technology (NCIRST-2015), organized at Lingaya's GVKS Institute of Management and Technology, Faridabad (Haryana) held on 17th April, 2015.

Pushpender Sarao and Dr. Sohan Garg, "Software Agent based QoS Routing scheme for Wireless Mesh Networks", National Conference on Emerging Computing Technologies and ICT for Development-2015 (NCECT & ICTD-2015), organized by department of Computer Science & Applications, Maharshi Dayanand University, Rohtak (HR), February 28, 2015.

Pushpender, Dr. Sohan Garg, "Routing in Wireless Mesh Networks based on Fuzzy Logic", National Conference on Emerging Trend in Engineering, Management & Science (NCETEMS) organized by Ganga Institute of Technology & Management (GITAM) Kablana, Jhajjar (HR) held on 20-21 February, 2015.

Pushpender Sarao and Dr. Sohan Garg, "Performance Enhancement of AODV for Wireless Mesh Network Using Fuzzy Model", 4th National Conference (in association with IEEE and in collaboration with Computer Society of India, ISTE) on Emerging Trends in Engineering & Technology (ETET-2015) held on 6-7th February, 2015 at SBIT Sonapat (NCR Delhi)

Pushpender Sarao, Dr. Sohan Garg, "An Energy aware Routing Scheme for Wireless Mesh Networks", National conference on Advances in Electronics & Communication Technologies (sponsored by TEQIP), organized by department of ECE, Deenbandhu Chhotu Ram University of Science & Technology, Murthal, 29th-30th January, 2015

Pushpender Sarao, Dr. Sohan Garg, "DSR-F: Fuzzy logic based routing protocol in Wireless Mesh Networks", National Conference on Recent Innovations & Innovations in Engineering & Sciences (organized by Bhiwani Institute of Technology & Sciences, Bhiwani), 29th November, 2014.

Pushpender, Dr. Sohan Garg, "Fuzzy logic based clustering techniques for Wireless Mesh Networks", National Conference on Recent Innovations in Engineering, Management and Science, organized by Ganga Institute of Technology and Management, Kablana, Jhajjar, Haryana, India, 23rd August, 2014.

Pushpender, Prof. (Dr.) Sohan Garg, "Reliable Routing in multi-hop Wireless Mesh Networks", 2nd National Conference on Engineering Applications -2014, held at St. Soldier Institute of Engineering Technology & Management, Jalandhar, 5th-April, 2014.

Pushpender, "Applicability of Wireless Mesh Network In Mechanical Industries", 2nd National Conference "NCETAMEGP-2013" held at S (PG) ITM, Rewari, held on 30th November, 2013.

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Pushpender Sarao, Rajeev Sharma, "Review on Study of Cloud Computing", 1ST National Conference on Emerging Trends & Innovation in Computer and Communication NCETICC-2013 held at S (PG) ITM, Rewari, on 19th October, 2013.

Pushpender Sarao, Dr. Sohan Garg, "A Reliable Routing Mechanism for Wireless Mesh Networks", 1st National Conference on Emerging Trends & Innovation in Computer and Communication NCETICC-2013 held at S (PG) ITM, Rewari, on 19th October, 2013.

### International Conferences:

Dr. Pushpender Sarao, "Efficiency Evaluation of Routing Protocols in Manets", proceedings in International Conference on Interdisciplinary Research and Innovation in Computational Technology, Big Data, Cloud Computing, Information & Communication Science (ICT-2018), organized by KrishiSanskriti, held in Jawaharlal

Dr. Pushpender Sarao, "Performance Analysis of Routing Protocols in Wireless Networks", International Conference on Communication, Computing and Networking (ICCCN-2017) organized by Department of Computer Science & Engineering at National Institute of Technical Teachers Training & Research (NITTTR), Chandigarh,

Dr. Pushpender Sarao, "A New Strategy for Enhancement of DSR in Vehicular Ad-Hoc Networks", International Conference on Sustainable Development through Research in Engineering and Management (SDREM-16) under Golden Jubilee Celebrations of Haryana organized by Department of ECE and Management Studies at YMCA

Dr. Pushpender Sarao, "A Simulation based Comparison of Routing Protocols in Wireless Networks", International Conference on Engineering Research in Science & Humanities (ERSH, May, 16-17, 2016), organized by K.S. Global Research, Koda Lumpur, Malaysia ([www.ksgresearch.org](http://www.ksgresearch.org)).

Pushpender Sarao, Deepika Sharma, "Implementation of MD5-640 Bits Algorithm with Stream Controlled Transfer Message", International Conference on Emerging trends in Engineering & Technology", at Jaipur, 3rd May, 2015, pp. 18-21.

Pushpender Sarao "QoS Routing for Wireless Mesh Networks using Agent based Technique" International Conference on Emerging Trends in Technology, Science and Upcoming Research in Computer Science (ICDAVIM-15) held at DAV Institute of Management Faridabad (HR) on dated 27th April, 2015.

Pushpender, Dr. Sohan Garg, "Route Optimization Technique for Wireless Mesh Networks", 4th International Conference on Software Solutions, E-Learning, Computer Sciences, Information & Communication Technology (SECICT-2014)" organized by "KrishiSanskriti" held at Jawaharlal Nehru University, New Delhi, 14th -15th June.

Pushpender, Dr. Sohan Garg, "A Secure Routing Scheme for Wireless Mesh Networks", International Conference on Emerging Trends in Computational and Applied Mathematics (ICCAM), organized by ITM University, Gurgaon, 2-4 June, 2014.

Got second position in paper and poster presentation at DCRUST, Murthal, Haryana, India, 23 November, 2016. Also awarded with cash prize.

Participated in "Success Building Workshop" conducted by SAS Trainiys at American Institute, Ballabgarh, Faridabad on dated Feb 29, 2016.

Worked as Deputy Supdt. in MD University, Rohtak Exam (B.Tech, M.Tech) held at SITM, Rewari, May, 2015.

Worked as SITM, Rewari, Haryana college promotion and branding Head since January, 2015 to August, 2016.



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### Achievements/Participation /Academic Activities:

- Worked as Convener of the National Workshop on Intelligent System for Engineering & Management organized by S (P.G) ITM, Rewari held on 28th March, 2015.
- Participated in a workshop on 'Linux' organized by DUCAT (an ISO 9001:2000 Company) at S (PG) ITM, Rewari on dated 19th September, 2014.
- Working as Editor-in-Chief for Somany International Research Journal (SIRJ), ISSN-2320-821X.
- Participated in a Seminar "Carrier Counseling on Science and Technology" organized by TechMantra at S (PG) ITM, Rewari.
- Worked as External Practical Examiner at C.C.S. University, Meerut.
- Worked as Supdtt.-in-Chief, HTET Exam organized by Govt. of Haryana at S (PG) ITM, Rewari.
- Worked as Supdtt.-in-Chief, MDU Rohtak Exam (B.Tech, M.Tech, and MBA) held at S (PG) ITM, Rewari.
- Worked as Controller of Examinations at S (PG) ITM, Rewari.
- Worked as Co-Coordinator, Job Fair-2014 in association with District Employment Department (DED), Govt. of Haryana on dated 12 Feb, 2014, at S (PG) ITM, Rewari.
- Achieved Outstanding Teacher Award, at S(PG)ITM, Rewari.
- Participated in workshop on VLSI & Android Technology organized by DUCAT India, on dated 10 March, 2014 at S (PG) ITM, Rewari.

### Workshops / Seminars / Conferences / Training Programs Attended

- Participated in the National Seminar (sponsored by UGC under SAP) on Technology, Innovation and Entrepreneurship in 21st Century organized by the department of Management Studies, Deenbandhu Chhotu Ram University of Science & Technology, Murthal (Sonapat) held on March 17, 2015. Also presented a paper titled
- Attended the IUCEE International Engineering Educator Pre-Certification Workshop April 25th -27th, 2018, Hyderabad Institute of Technology and Management, Hyderabad.
- Attended National Workshop on Data Science Using PHYTHON conducted at HYDERABAD INSTITUTE OF TECHNOLOGY AND MANAGEMENT, HYDERABAD, TELANGANA, India on 6th and 7th of October, 2017.
- Attended National Workshop on Intelligent Systems for Engineering and Management (Sponsored by CIRG and CSI) Organized by Somany (P.G) Institute of Tech. & Management, Rewari (Haryana) held on 28th March, 2015.

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Attended One-Week Short term Course on “VLSI DESIGN” conducted by NITTTR, Chandigarh organized at Bhagwant Institute of Technology, Ghaziabad on 10-14 March, 2014.

Attended Faculty Development program “Leadership and Winning Habbits” from 22 December-28 December, 2016 organized by deptt of MBA, at IIMT College ofEngg, Greater. Noida, UP.

### Books/Manuals Published

Pushpender Sarao, Routing Challenges in Wireless Networks,,: LAP LAMBERT Academic Publishing, Germany(ISBN– 13: 978-3-659-76254-3, ISBN-10:3659762547, Book ID: 150497).

Dr. Pushpender Sarao, Computer Basics for BJMC, Blue Rose Publisgers,New Delhi (ISBN – 13: 9781684180080, ISBN-10:1684180082).

Dr. Pushpender Sarao, Ashwani Chaudhary,Introduction to Designing Software,LAP LAMBERT Academic Publishing, Germany(ISBN – 13: 978-3-330-03661-1, ISBN-10:3330036613, Book ID: 151648).

Dr. Pushpender Sarao,First Step Towards JavaTM, LAP LAMBERT Academic Publishing, Germany(ISBN – 13: 978-3-330-32557-9, ISBN-10:3330325577, Book ID: 158737).

Dr. Pushpender Sarao, Linux Programming Lab Manual, LAP LAMBERT Academic Publishing, Germany(ISBN – 13: 978-613-4-97283-3, ISBN-10:6134972835, Book ID: 170127)