

**DEO PRAKASH VIDYARTHI**

Professor

School of Computer and Systems Sciences,  
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**PhD in Computer Science**

TEACHING EXPERIENCE

**PG** Thirty Years**UG** Thirteen Years

RESEARCH EXPERIENCE

Thirty Years

**COURSES TAUGHT***Undergraduate* Operating System Concepts, Computer Organization & Architecture, Programming Languages, Discrete Mathematics*Postgraduate* Parallel & Distributed Systems, Algorithm Design, Advanced Computer Architecture, Operating Systems, Compiler Design, Graph Theory & Applications, Cloud Computing, Grid and Cloud Computing**FIELD OF RESEARCH INTEREST***Parallel & Distributed Systems, Grid Computing, Mobile Computing, Cloud Computing, Evolutionary Computing, Internet of Things (IoT)***MTech Supervision** 21**PhD Supervision** 14 + 5 (In Progress)**PROJECTS UNDERTAKEN***Designing Middleware for Resource Provisioning in Cloud Computing (23 Lac.)***RESEARCH GRANT**

At present, Rs. 23 lacks from UGC UPOE-II for a Project on Cloud Computing

**MEMBER (SERVED) IN EDITORIAL BOARD**

1. International Journal of Computer Science and Technology (ISSN 0973-3019) from Researchways Intellectual Forum
2. Research Journal Telecommunication and Information Technology (ISSN 1816-2738) from INSInet Publications
3. Australian Journal of Basic and Applied Sciences (ISSN 1991-8178) INSInet publication

4. International Journal of Computer and Electrical Engineering ISSN: 1793-8198 (Online Version); 1793-8163 (Print Version), Published by: International Association of Computer Science and Information Technology Press (IACSIT)
5. International Journal of Computer Theory and Engineering, SSN: 1793-821X (Online Version); 1793-8201 (Print Version), Published by: International Association of Computer Science and Information Technology Press (IACSIT)
6. International J. of Business Data Communication and Networks, IGI-Global, USA (ISSN: 1548-0631, EISSN: 1548-064X)
7. Information Engineering Letters, USA, ISSN: 2160-4114

#### **MEMBER IN INTERNATIONAL PROGRAM COMMITTEE**

1. National Conference on Methods and Models in Computing, Dec. 18-19, 2006, Jawaharlal Nehru University, New Delhi.
2. National Conference on Methods and Models in Computing, Dec. 13-14, 2007, Jawaharlal Nehru University, New Delhi.
3. National Conference on Methods and Models in Computing, Dec. 7-8, 2008, Jawaharlal Nehru University, New Delhi.
4. International Conference on Methods and Models in Computer Science, Dec. 14-15, 2009, Jawaharlal Nehru University, New Delhi.
5. International Congress on Pervasive Computing and Management, Dec. 12-14, 2008, India Habitat Centre, Lodhi Road, New Delhi.
6. 2<sup>nd</sup> International Congress on Pervasive Computing and Management, Dec. 12-14, 2009, Sydney, Australia.
7. International Conference on High Performance Computing, Network and Communication Systems, July, 7-10, 2008, Orlando, USA.
8. International Conference on High Performance Computing, Network and Communication Systems, July, 11-14, 2009 Orlando, USA.
9. 24<sup>th</sup> International Symposium on Computer and Information Sciences, Sep. 14-16, 2009, Northern Cyprus Campus.
10. Workshop on Information System in Distributed Environment Held in conjunction with OTM'09, Nov 1-6, 2009, Vilamoura, Algarve-Portugal
11. International Congress on Pervasive Computing and Management, Dec. 12-14, 2008, December 10-12, 2009, Sydney, Australia.
12. International Conference on High Performance Computing Systems, July, 12-14, 2010 Orlando, USA.
13. 2<sup>nd</sup> International Workshop on Information Systems in Distributed Environment (ISDE'10) 25-29 October 2010 Crete, Greece
14. 2<sup>nd</sup> International Conference on Methods and Models in Computer Science, Dec. 13-14, 2009, Jawaharlal Nehru University, New Delhi.
15. IEEE International Conference INDICON 2010, Kolkata, Dec. 17-19.
16. International Conference on Communication Computing & Security, Rourkela, Feb. 12-14, 2011

17. Australasian Telecommunication Networks and Applications Conference (ATNAC 011) 9-11 NOVEMBER 2011, Melbourne, Australia
18. 3<sup>rd</sup> International Workshop on Information Systems in Distributed Environment (ISDE'11) Crete, Greece, Oct 17-21, 2011
19. Fourth International Workshop on Information Systems in Distributed Environment (ISDE'13), Graz, Austria
20. Third International Conference on Big Data Analytics, 2014, December 20-23 2014, Indian Institute of Technology, Delhi
21. 6th International Conference on Cloud Computing and Big Data, CCBD 2015 Nov. 4th - Nov. 6th, 2015, Taipei
22. Ninth IEEE International Conference on Advanced Networks and Telecommunication Systems (ANTS), December 15-18, 2015, Indian Statistical Institute, Kolkata 700108, India
23. Sixth International Workshop on Information Systems in Distributed Environment (ISDE'15), Rhodes, Greece, 26-30 October 2015
24. INTERNATIONAL WORKSHOP ON BRAIN-INSPIRED COMPUTING (BIC-2015), Cetraro, Italy, July 6-10, 2015
25. International Conference on Computational Intelligence in Data Mining (ICCIDM-2015), RIT, Odisha, December 5-6, 2015
26. 6<sup>th</sup> International Conference on Cloud System and Big Data Engineering (CONFLUENCE-2016), Amity University, January 14-15, 2016
27. National Seminar on "A Step towards Soft Computing: Techniques and Applications", Deen Dayal Upadhyaya College, Delhi, 18th-19th March 2016
28. 7<sup>th</sup> International Conference on Cloud System and Big Data Engineering (CONFLUENCE-2017), Amity University, January 12-13, 2017
29. International Conference on Advances in Computing, Control and Communication Technology (IAC3T-2016), University of Allahabad, Allahabad, March 25-27, 2016
30. 7th Annual International Conference on ICT: Big Data, Cloud and Security (ICT-BDCS 2016) August 22, 2016
31. 8th Annual International Conference on ICT: Big Data, Cloud and Security (ICT-BDCS 2017) 21-22 August, 2017
32. International Conference on Recent Advancement in Computer And Communication (Ic-Rac-2017), Bhopal, India, May 26-27, 2017
33. 8th International Conference on Cloud System and Big Data Engineering (CONFLUENCE-2018), Amity University, January 11-12, 2018
34. Annual International Conference on ICT: Big Data, Cloud and Security (ICT-BDCS 2018), Singapore, August 27-28, 2018

#### **MEMBER IN INTERNATIONAL SOCIETY**

1. IEEE (Senior)
2. ACM
3. International Society of Research in Science and Technology (ISRST), USA

4. International Association of Computer Science and Information Technology (IACSIT), Singapore (Senior)
5. International Association of Engineers (IAENG)

#### **CONFERENCE/SEMINAR/COURSES ORGANIZED**

1. National Seminar on Intelligent Computing and Software Engineering, IT, Banaras Hindu University, Varanasi, INDIA, 25-26 March 2000.
2. National Seminar on Methods and Models in Computing, December 18-19, 2006, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
3. National Seminar on Methods and Models in Computing, December 13-14, 2007, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
4. National Seminar on Methods and Models in Computing, December 7-8, 2008, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
5. International Conference on Methods and Models in Computer Science, Dec. 14-15, 2009, Jawaharlal Nehru University, New Delhi.
6. 2nd International Conference on Methods and Models in Computer Science, Dec. 13-14, 2010, Jawaharlal Nehru University, New Delhi.
7. 14th Refresher Course in Computer Science & Information Technology, Academic Staff College, Jawaharlal Nehru University, New Delhi, 27th August-23rd September, 2011 (Course Coordinator).
8. International Research Workshop in Cloud Computing, Jawaharlal Nehru University, New Delhi, September 27-28, 2014 (Coordinator).
9. International Research Workshop in Cloud Computing, Jawaharlal Nehru University, New Delhi, December 22-23, 2015 (Coordinator).
10. International Research Workshop in Cloud Computing, Jawaharlal Nehru University, New Delhi, December 22-23, 2016 (Coordinator).
11. Global Initiative on Academic Network (GIAN) on Cloud Data Center Service Provisioning: Theoretical and Practical Approaches Jawaharlal Nehru University, New Delhi, Jan. 29-Feb. 9, 2018 (Coordinator).
12. 18th Refresher Course in Computer Sciences & Information Technology beginning from 16th September - 27th September, 2019

#### **ATTENDANCE AT INTERNATIONAL/ NATIONAL CONFERENCES**

1. International Conference on Cognitive Systems, 12-15 Dec. 1997, New Delhi, INDIA.
2. International Symposium on Methods and Models in Automation and Robotics, 25-29 Aug. 1998, Szczecin, POLAND.
3. National Symposium on Recent Trends in Information Technology, PSG College of Technology, Coimbatore, INDIA, 20-21 Feb. 1997.

4. National Symposium on Emerging Trends in Electronics and Computer Science, Dr. RML Avadh University, Faizabad, INDIA, 10-11 March 1999.
5. SASESC-2000, DayalBagh Educational Institute, Agra, INDIA, 5-6 March 2000.
6. National Seminar on Intelligent Computing and Software Engineering, IT, Banaras Hindu University, Varanasi, INDIA, 25-26 March 2000.
7. National Seminar on Methods and Models in Computing, December 18-19, 2006, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
8. National Seminar on Methods and Models in Computing, December 13-14, 2007, School of Computer & Systems Sciences, Jawaharlal Nehru University, New Delhi.
9. International Conference on High Performance Computing, Networking, and Communication Systems (HPCNCS-08) to be held from 07-10, July, 2008 at Orlando, Florida, USA.
10. 2<sup>nd</sup> Int. Conference on Information and Multimedia Technology (ICIMT 2010), Dec. 28-30, 2010, Hong Kong, China.
11. Third International Conference on Big Data Analytics, 2014, December 20-23 2014, Indian Institute of Technology, Delhi
12. INTERNATIONAL WORKSHOP ON BRAIN-INSPIRED COMPUTING (BIC-2015), *Cetraro, Italy, July 6-10, 2015*
13. National Seminar on "A Step towards Soft Computing: Techniques and Applications", Deen Dayal Upadhyaya College, Delhi, 18th-19th March 2016
14. International Conference on Advances in Computing, Control and Communication Technology (IAC3T-2016), University of Allahabad, Allahabad, March 25-27, 2016

## INVITED TALKS

1. GA and its Applications, Defense Terrain Research Laboratory, DTRL, DRDO, Metcalf House, New Delhi. 2006
2. Improved Genetic Algorithm for Channel Allocation in Mobile Computing, National Conference on Emerging Trends in Software Engineering & Information Technology, Gwalior Engineering College, Gwalior (M.P.) 2007
3. Improved Genetic Algorithm for Channel Allocation, National Conference on Advance Computing and Communication, Invertis Institute of Engineering and Technology, Bareilly, (U.P.), August 24-25, 2007.
4. Channel Allocation in Mobile Computing, National Conference on Information security and Mobile Computing, ABES Engineering College, Ghaziabad (U.P.), Feb. 3-4, 2008.
5. Channel Allocation in Mobile Computing using GA, Faculty Development Program on Mobile and Wireless Networks, ABV Indian Institute of Information Technology, Gwalior, 14 Oct. 2008.

6. Improved GA for Channel Allocation, Faculty Development Program on Network Technologies, University School of Information Technology, Guru Gobind Singh Indraprastha University, Delhi, 24 Dec., 2008.
7. Modified Genetic Algorithm, National Conference on Advanced Computing and Communication Technology, ABES Engineering College, Ghaziabad. 6-7, Feb., 2009
8. GA and its Applications, National Seminar on New Paradigms in Computing, Bhai Parmanand Institute of Business Studies, Govt. of NCT of Delhi, Delhi, 25 Feb. 2009.
9. Computer Design: Past, Present and Future, Orientation Program in Role of ICT Technologies in Education, Academic Staff College, Banaras Hindu University, Varanasi (UP), June 8, 2009.
10. Multicore Systems: An Overview, Refresher Course in Computer Science, Delhi University, Delhi, January 5, 2010
11. Genetic Algorithms and its Applications, Faculty Development Program on Soft Computing techniques and its Engineering Applications, Madhav Institute of Technology and Sciences, Gwalior, January 3, 2010.
12. Modified Genetic Algorithm, National Conference on Advanced Computing and Communication Technology, ABES Engineering College, Ghaziabad. 6-7, Feb., 2009
13. "From Sequential to Cloud Computing: A Journey", ABV-Indian Institute of Information Technology and Management, Gwalior (MP) on 19 Aug. 2011
14. "Evolution in Computer Systems", BBDIT, Ghaziabad on 14th Oct. 2011.
15. "Genetic Algorithm: How it works", in Faculty Development Program at Madhav Institute of Technology, Gwalior on 15th Dec. 2011
16. "Computer Systems: Past Present and Future", Fairfield Institute of technology and Management, Kapasheda, Delhi, 15th Feb. 2012
17. "Genetic Algorithm: How it works", Workshop on Soft Computing Techniques, South Asian University, New Delhi, September 7, 2012.
18. "Basics of Genetic Algorithm", Refreshers Course on ICTA, Academic Staff College, Banaras Hindu University, Varanasi, October 5, 2012
19. "Computer Systems: Past Present and Future", Refreshers Course on ICTA, Academic Staff College, Banaras Hindu University, Varanasi, October 5, 2012
20. "An Introduction to Cloud Computing" 11th National Seminar on Emerging Advances in Information Technology ITS, Mohan Nagar Ghaziabad, March 16, 2013.
21. "Issues in Cloud Computing" International Workshop on "Data Curation in the University: Libraries, Research, and Learning" Jawaharlal Nehru University, New Delhi, India, March 25, 2013.
22. "Research Issues in Cloud Computing" in National Conference on Innovative Trends in Signal Processing & Networking, Shri Ram Murti Smarak Women's College of Engg. & Tech, Bareilly UP, 13th April, 2013.
23. "Issues in Parallel/Distributed Systems" at Babu Banarasi Das Institute of Technology, Ghaziabad, 30th August, 2013.

24. "GA to Quantum GA" in Workshop on Advances in Soft-Computational Technique for Image Processing for Defense application, at Neuro-Computing and Simulation Department, INMAS, DRDO, Timarpur, Delhi, 31st October, 2013.
25. "Research Issues in Cloud Computing" in Training Program on Cloud Computing at Gitarattan International Business (GiBS) Rohini, Delhi, 16th November, 2013.
26. "Grid Computing: An Infrastructure for High Performance Computing" at Deen Dayal Upadhyaya College, Delhi University, February 22, 2014.
27. "Issues in Parallel and Distributed Systems" Symposium on Distributed System at Gitarattan International Business (GiBS) Rohini, Delhi, 29th March, 2014.
28. "Grid Computing: An Infrastructure for High Performance Computing" 4th International Conference on Software Solutions, E-Learning, Computer Sciences, Information & Communication Technology, 14 June, 2014.
29. "Genetic Algorithm a tool for research", Workshop on Research tools in IT, Ambedkar University, Lucknow, 24 September, 2014
30. "Genetic Algorithm: How to Apply", IEEE Computational Intelligence Workshop Indian Institute of Information Technology, Allahabad, 15 October 2014
31. "Research Issues in Parallel/Distributed Systems" South Asian University, New Delhi, November 12, 2014
32. "Issues and Challenges in Mobile Computing" in National Conference on Computer Networking and Information Security at SRMS Women's College of Engineering and Technology, Bareilly, 22nd November, 2014
33. "Energy Efficient Mobile Computing" in National Conference on Recent Advances in Electronics and Computer Engineering (RAECE-2015), Indian Institute of Technology, Roorkee, 14th February 2015
34. "Research Issues in Cloud Computing" in International Conference on Emerging Trends of Engineering, Science, Management and Its Applications (ICETESMA15), JNU, March 1, 2015
35. "Research Issues in Cloud Computing" in International Conference on Advances in Computer Science and Engineering (ICACEA-15), IMS Engineering College, Ghaziabad, March 20, 2015
36. "Cloud Computing: A Future Computing Infrastructure" Maharaja Surajmal Institute of Technology, Janakpuri, New Delhi, March 21, 2015.
37. "Genetic Algorithm" Int. Workshop on Brain Inspired Computing, July 6-10, 2015 Cetraro, Italy.
38. "Research issues in cloud computing" 1st Inter Disciplinary Course in Computer Science, Bioinformatics & Information Technology, UGC - Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, 24th August - 18th September, 2015
39. "Cloud Computing", National Conference in Emerging Trends in Computer and IT, Sri Guru Angad Dev College, Khadur Sahib, Taran Taran, October 31, 2015.
40. "Issues in Cloud Computing", ABV-Indian Institute of Information Technology and Management, Gwalior (MP) on November 20, 2015

41. "Cloud Computing: An Introduction" South Asian University, New Delhi, November 23, 2015
42. "Green Computing: Few Grid Scheduling Models" Seminar on Global Development and Sustainable computing, MATS University, Raipur, February 6, 2016
43. "Issues and Challenges in Cloud Computing", Workshop on Cloud Computing and Big Data Analytics, Institute of Professional Excellence & Management, Ghaziabad, 26th Feb. 2016.
44. "Genetic Algorithm", National Seminar on "A Step towards Soft Computing: Techniques and Applications", Deen Dayal Upadhyaya College, Delhi, 18th-19th March 2016
45. "Green Computing: Few Scheduling Models", International Conference on Advances in Computing, Control and Communication Technology (IAC3T-2016), University of Allahabad, Allahabad, March 25-27, 2016
46. "Cloud Computing", National Seminar on "Big Data and Cloud, MERI College of Engineering & Technology, Janakpuri, New Delhi, 2nd April 2016
47. "Cloud Computing: What, Why and How?", Refresher Programme on ICT in ODL for the Teachers and Academics of IGNOU, New Delhi, 22nd July 2016
48. "Cloud Computing in Education" 8th Orientation Course, UGC - Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, 3rd October - 28th October, 2016
49. "Research Issues in Cloud Computing", International Conference on Advanced Computing and Software Engineering (ICACSE-16) at Kamla Nehru Institute of Technology, Sultanpur (U.P.), on October 14-15, 2016.
50. "Modified Genetic Algorithm", Department of Computer Science, Jamia Milia Islamia, Delhi, November 24, 2016
51. "Cloud Computing: An Introduction", ARSD College, Delhi University, Delhi, March 22, 2017
52. "Research Issues in Cloud Computing" 1st Refresher Course in Research Methodology (Interdisciplinary), UGC - Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, 13th February - 10th March, 2017
53. "Cloud Computing: Issues and Challenges", National Conference on Communication, Network and Cyber Security, Amity University, Gwalior, April 13, 2017
54. "Improved Genetic Algorithm and How to apply", Workshop on Machine Learning and Data Analytics, Indian Institute of Information Technology, Allahabad, 15 July 2017
55. "Internet of Things: A Future IT Scenario" Faculty Development Programme on Internet of Things for Smart Living, Department of Computer Science, Banasthali University, Banasthali, Rajasthan, India September 1, 2017
56. "Research Issues in Cloud Computing" Faculty Development Programme on Internet of Things for Smart Living, Department of Computer Science, Banasthali University, Banasthali, Rajasthan, India September 1, 2017
57. "Improved Genetic Algorithm for Channel Allocation in Mobile Computing", IEEE Hyderabad section, Hyderabad Central University, September 22, 2017



58. "Improved Genetic Algorithm for Channel Allocation in Mobile Computing", International Workshop on Computational Intelligence and Machine Learning, South Asian University, New Delhi, December 15, 2017.
59. "Internet of Things: A Future IT Scenario" 1st North Indian Science Congress, Babasaheb Bhimrao Ambedkar University, Lucknow, January 11, 2018.
60. "Internet of Things: A Future IT Scenario", International MDP on Budgeting, Accounting & Financial Management in Government Sector, National Institute of Financial Management, Faridabad, January 19, 2018
61. "Internet of Things", 109th Orientation Programme, UGC - Human Resource Development Centre, Jawaharlal Nehru University, New Delhi 8th January - 2nd February, 2018
62. "Cloud Computing in Financial Sectors", International MDP on Budgeting, Accounting & Financial Management in Government Sector, National Institute of Financial Management, Faridabad, January 19, 2018
63. "Internet of Things: A Future IT Scenario", Annual Techfest Orrey'18, Computer Science Department, Miranda House, February 15, 2018
64. "Internet of Things: Next Evolution of the Internet" Expert Talk, Department of Computer Science, Kamla Nehru Institute of Technology, Sultanpur, UP, February 17, 2018
65. "An Overview of Heuristics and Metaheuristics", in Faculty Development Program on Soft Computing Approaches and its Applications (SCAA-18) organized by Department of Computer Science & Engineering, Institute of Engineering & Technology, Lucknow, March 12, 2018
66. "Genetic Algorithm: An overview", in Faculty Development Program on Soft Computing Approaches and its Applications (SCAA-18) organized by Department of Computer Science & Engineering, Institute of Engineering & Technology, Lucknow, March 12, 2018
67. "Improved Genetic Algorithm and Some GA Applications", in Faculty Development Program on Soft Computing Approaches and its Applications (SCAA-18) organized by Department of Computer Science & Engineering, Institute of Engineering & Technology, Lucknow, March 12, 2018
68. "Internet of Things: An Upcoming Technology", Vijyan Manthan, JNU, April 24, 2018
69. "IOT and its applications", 1st Refresher Course in E-Learning & E-Governance (Interdisciplinary), UGC - Human Resource Development Centre, Jawaharlal Nehru University, New Delhi 23rd July - 17th August, 2018
70. "Internet of Things & Cloud Computing", FDP on Recent Trends in Computing and Computer Networking, National Institute of Technology, Arunachal Pradesh, September 6, 2018
71. "Internet of Things: An Upcoming Technology", Shaheed Rajguru College of Applied Science for Women, University of Delhi, October 8, 2018
72. "Internet of Things: An Upcoming Technology", IoT Workshop, Keshav Mahavidyalaya, University of Delhi, January 16, 2019

73. "Internet of Things", IoT Workshop, ARSD College, University of Delhi, March 5, 2019
74. "Auction Based Resource Provisioning in Cloud Computing", ACM Chapter of ICT, GGS IP University, Delhi, March 25, 2019.
75. "Auction Based Resource Provisioning in Cloud Computing", University of Hyderabad, Hyderabad, India April 26, 2019.
76. "Soft Computing as Machine Learning Tools", FDP on Machine Learning for Pattern Recognition (MLPR), Department of Information Technology, Delhi Technological University, June 10, 2019
77. "Intelligent Internet of Things: Few Applications", FDP on Intelligent Internet of Things, Jaypee Institute of information Technology, Sec. 128, Noida, June 27, 2019
78. "Auction Based Resource Provisioning in Cloud Computing", FDP on Cloud & Internet of Things, Jaypee Institute of information Technology, Sec. 62, Noida, July 5, 2019
79. "Intelligent Internet of Things", 114th Orientation Programme, UGC - Human Resource Development Centre, Jawaharlal Nehru University, New Delhi, July 18, 2019
80. "Internet of things", 2nd Refresher Course in E-Learning & E-Governance, at the UGC-HRDC, Jawaharlal Nehru University, New Delhi, August 22, 2019
81. "Auction Based Resource Provisioning in Cloud Computing", 18th Refresher Course in Computer Sciences & Information Technology, at the UGC-HRDC, Jawaharlal Nehru University, New Delhi, September 18, 2019
82. "IoT and Security" FDP on Cyber-security at Dr. Hari Singh Gaur University, Sagar, M.P., October 18, 2019
83. "Security in Cloud Computing" FDP on Cyber-security at Dr. Hari Singh Gaur University, Sagar, M.P., October 18, 2019
84. "Cloud Computing: Concepts, Issues and Challenges, 1st Turing workshop on Cloud Computing, IP University, New Delhi, October 21, 2019
85. "Intelligent Internet of Things: Applications", Sixth National Conference on "Information Technology for Business Transformation (ITBT'19), AKGEC, Ghaziabad, November 8, 2019
86. "Intelligent Internet of Things: Few Applications", IIIT Delhi, December 17, 2019
87. "Security Issues in Cloud Computing", 1st Short term course in Cyber Security, UGC-HRDC, Jawaharlal Nehru University, New Delhi, January 7, 2020
88. "Internet of Things", Workshop on Mathematical Sciences for Practicing Researchers, DST-Centre for Interdisciplinary Mathematical Sciences, BHU, Varanasi, February 08, 2020.
89. "Security Issues in Cloud Computing", Workshop on Mathematical Sciences for Practicing Researchers, DST-Centre for Interdisciplinary Mathematical Sciences, BHU, Varanasi, February 09, 2020.
90. "Internet of Things", 117th Orientation Programme UGC-HRDC, Jawaharlal Nehru University, New Delhi, February 25, 2020,

91. "GA as Machine Learning tool", Tech-A-Thon, ARSD College, DU March 02, 2020.
92. "How to Write Research Paper in Computer Science & Engineering", ETTCS-2020 lecture series, MG Central University, Motihari, Bihar, June 11, 2020.
93. "Introduction to Cloud Computing-I", e-FDP on Cloud Computing, University of Kashmir, Srinagar, Kashmir, July 20, 2020.
94. "Introduction to Cloud Computing-II", e-FDP on Cloud Computing, University of Kashmir, Srinagar, Kashmir, July 20, 2020.
95. "Resource Provisioning in Cloud Computing using Auction Mechanism", e-FDP on Cloud Computing, University of Kashmir, Srinagar, Kashmir, July 25, 2020.
96. "Auction in Cloud Computing", Online STC "Cloud of Things: Theoretical and Practical Implications" at Dr. BR Ambedkar NIT Jalandhar on 11th August, 2020.
97. "An Overview of Heuristics and Meta-heuristics", FDP on Advanced Research Applications in Artificial Intelligence (ARAAI-20), 01 September, 2020.
98. "Genetic Algorithm: How to apply", Online STC "SOFT COMPUTING: THEORIES AND APPLICATIONS" at Dr. BR Ambedkar NIT Jalandhar on 14th September, 2020.
99. "Machine Learning and its Applications", Shaheed Rajguru College of Applied Sciences for Women, University of Delhi on October 9, 2020.
100. "Resource Provisioning in Fog-integrated Cloud: A Machine Learning Approach", FDP, Department of Computer Science, Aligarh Muslim University, Aligarh, October 28, 2020.
101. "Resource Provisioning in Fog-integrated Cloud: A Machine Learning Approach", FDP, Department of Computer Engineering, Institute of Engineering & Technology, Lucknow, October 29, 2020.
102. "Auction in Cloud Computing", FDP on Multidisciplinary Research Innovation in Engineering, Science and Technology for Sustainable Development, Bipin Tripathi Kumaon Institute of Technology, Dwarahat Uttarakhand, November 3, 2020.
103. "An Overview on Heuristics and Meta-Heuristics", FDP on Artificial Intelligence: building foundation through data exploration, preprocessing and representation, International Institute of Information Technology, Naya Raipur, November 21, 2020.
104. "Resource Provisioning in Cloud Computing using Auction" Interdisciplinary Refresher course on Engineering and Technology organized by UGC HRDC Mizoram University, December 14, 2020.
105. "Auction in Cloud Computing", FDP on Emerging Trends of Information Technologies and It's Applications, organized by Ajay Kumar Garg Engineering College, Ghaziabad, December 16, 2020.
106. "Resource provisioning in Fog-integrated cloud: A Machine Learning Approach", FDP on Emerging Trends of Information Technologies and It's Applications, organized by Ajay Kumar Garg Engineering College, Ghaziabad, December 17, 2020.

107. "Auction in Cloud Computing", Faculty Development Program (FDP) on Data Management, R R Institute of Modern Technology, Lucknow, January 18, 2021.
108. "Green Routing Algorithm for IoT Enabled Software Defined WSN" AICTE sponsored Short Term Training Programme on Internet of Things (IoT): Challenges and Applications, USIC&T, GGSIIP University, New Delhi, February 01, 2021.
109. "Heuristics and Meta-heuristics: An overview", Skill Development Certificate Course on Advances in Data-Driven Statistical Applications and Computational Techniques, Bharathiar University, Coimbatore, February 20, 2021.
110. "Genetic Algorithm: How to apply", Skill Development Certificate Course on Advances in Data-Driven Statistical Applications and Computational Techniques, Bharathiar University, Coimbatore, February 20, 2021.
111. "Genetic Algorithm an AI Tool: How to Apply", 2nd National Virtual Conference on Applications of Deep Learning in Artificial Intelligence for Health Care (NCDAH - 2021), Dr. N. G. P. Arts and Science College, Coimbatore, Tamil Nadu, India, March 25, 2021
112. "Resource Provisioning in Fog-Integrated Cloud: A Machine Learning Approach", FDP on Machine Learning, Dr. Harisingh Gour University, Sagar (MP), June 22, 2021
113. "Resource Provisioning in Fog-Integrated Cloud: A Machine Learning Approach", Amity University, Gurugram, Haryana, June 30, 2021
114. "Resource Provisioning in Fog-Integrated Cloud: A Machine Learning Approach", Short term course (STC) on Machine Learning and Its Applications in IoT, Computer Vision and Cloud Computing (MICC-2021), Motilal Nehru National Institute of Technology, Allahabad, September 21, 2021
115. "Machine Learning Basics", AI/ML Python Training, FOSS-CELL Bhagwan Parshuram Institute of Technology, September 27, 2021
116. "Resource Provisioning in Fog-integrated Cloud Computing: A Machine Learning Approach", Refresher course in Computer Science, University of Allahabad, November 18, 2021
117. "An Introduction to Cloud Computing", Inter/Multi-Disciplinary Refresher Course on 'Data Science and its Future Applications' UGC-Human Resource Development Centre, Dr Harisingh Gour Vishwavidyalaya, Sagar (MP), December 10, 2021
118. "Resource Provisioning in Fog-integrated Cloud Computing: A Machine Learning Approach", ATAL-FDP on Data Science, Department of Computer Science & Applications, Dr Harisingh Gour Vishwavidyalaya Sagar (MP), December 28, 2021
119. "Resource Provisioning in Fog-integrated Cloud Computing: A Machine Learning Approach", ATAL-FDP on Role of Smart Cities in Society 5.0, JSS Academy of Technical Education, Noida (UP), January 18, 2022
120. "Resource Provisioning in Fog-integrated Cloud Computing: A Machine Learning Approach", International Workshop on Machine Learning & Its Applications, Indira Gandhi National Tribal University, Amarkantak (MP), January 25, 2022

121. "Resource Provisioning in integrated cloud fog environment using ML model" FDP on "Artificial Intelligence for IoT services in Cloud: Techniques & Applications" at Dr. BR Ambedkar NIT Jalandhar on 28th Feb, 2022.
122. "On Writing Research Paper in Science" Faculty Induction Programme 8th GURU DAKSHTA organized by UGC-HRDC University of Allahabad on 2nd April, 2022
123. "On Publishing Research Paper in Science" Faculty Induction Programme 8th GURU DAKSHTA organized by UGC-HRDC University of Allahabad on 2nd April, 2022

## BOOKS AUTHORED

1. Scheduling in Distributed Computing Systems (A Research Monograph), (with co-authors), Springer, November, 2009, ISBN 978-0-387-74483-4
2. Technologies and Protocols for Future Internet Design: Reinventing the Web: Ed. D.P.Vidyarthi, IGI-Global (USA). Feb. 2012, DOI: 10.4018/978-1-4666-0203-8, ISBN13: 9781466602038, ISBN10: 1466602031, EISBN13: 9781466602045
3. Auction Based Resource Provisioning in Cloud Computing, (with co-authors), Springer, 2018, ISBN 978-981-10-8737-0

## Publications

### Peer Reviewed Journals

1. Admission control and resource provisioning in fog-integrated cloud using modified fuzzy inference system, Eht E Sham, D. P. Vidyarthi, The Journal of Supercomputing, DOI: 10.1007/s11227-022-04483-7 **IF:2.474**
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