

## CURRICULUM- VITAE

### Office Address:

#### **DR. DHARAMDAS KUMHAR**

Assistant Professor,  
Ph.D., M Phil., MCA, NET  
Department of Mathematical Sciences &  
Computer Applications  
Bundelkhand University, Jhansi  
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### **1. Present Status:**

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Dharamdas Kumhar has received his Doctor of Philosophy in Computer Science from Bundelkhand University, Jhansi U.P and Master of Philosophy in Computer Science from Madurai Kamaraj University, Madurai T.N. He completed his Master of Computer Application from Institute of Computer Science Vikram University, Ujjain. He is presently working as Assistant professor in Department of Mathematical Sciences and Computer Applications, Bundelkhand University, Jhansi U.P.-India. He has published various research papers in international journals and international conferences. He has supervised various MCA Project thesis.

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### **2. Area of Interests:**

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- Compiler Design
- Data Communication & Networking
- Theory of Computation
- Computer Graphics
- Cryptography and Network Security

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### **3. Educational Qualifications:**

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1. **Ph.D.** (Doctor of Philosophy in Computer Science) in 2021 from Department of Mathematical Sciences & Computer Applications, Bundelkhand University, Jhansi (UP)  
Topic: “Development of some algorithms for performance enhancement of communication networks: applications in real world problems”
2. **M. Phil.** (Master of Philosophy in Computer Science) in 2007 from Madurai Kamaraj University, Madurai (T.N.) with First Division.

3. **MCA** (Master of Computer Application) in 2000 from Institute of Computer Science, Vikram University, Ujjain (M.P.) with First Division.
4. **B.Sc.** (Bachelor of Science) in 1996 from Dr. Hahi Singh Gour University, Sagar, (M.P.) with Second Division.
5. **Intermediate** in 1993 from C B S E New Delhi with Second Division.
6. **High School** in 1991 from C B S E New Delhi with Second Division.

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#### 4. Extra Qualification:

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NET : Qualified NET (Computer Science) subject from UGC in 2012

GATE : Qualified GATE (Computer Science) subject from IIT, New Delhi in 2004

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#### 5. Experiences:

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##### A As Teaching:

1. February 25, 2005, to continue has been working as Assistant Professor in Institute of Computer & System Sciences, Bundelkhand University, Jhansi (U.P.).
2. November 22, 2001, to February 24, 2005, has been working as Lecturer in Institute of Computer & System Sciences, Bundelkhand University, Jhansi (U.P.).
3. August 07, 2000, to November.21, 2001, has been working as Lecturer in Govt. Madhav Science College, Ujjain (M.P.).

##### B As Visiting Faculty:

1. 2005-2006 in Institute of Engineer for B. Tech. (CS) under Bundelkhand University, Jhansi (U.P.).
  2. 2004-2005 Deliver special lecturer on “Computer Fundamental and networking” to non-teaching staff of university campus under Bundelkhand University, Jhansi (U.P.).
  3. 2002-2005 in Institute of Microbiology for M.Sc. (Micr.), & B.Sc (Micr.) under Bundelkhand University, Jhansi (U.P.).
  4. 2003-2004 in Institute of Basic Science for B.Sc. (PCM) under Bundelkhand University, Jhansi (U.P.).
  5. 2003-2004 in Institute of Computer Technology for MCA and B. Tech. Under Institute of Technology and Management (ITM), Gwalior (M.P.).
  6. 2000-2001 in School of Statistic for PGDCA under Vikram University Ujjain (M.P.).
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#### 6. Academic & Administrative Experience:

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1. Coordinating batches of MCA as Programme Coordinator at Institute of Information Technology, Bundelkhand University Jhansi.

2. Faculty of Compiler Design, Data Communication & Networking, Theory of Computation and Computer Graphic, at Institute of Information Technology, Bundelkhand University Jhansi.
3. Guided in preparing placement brochure for MCA at Institute of Information Technology, Bundelkhand University Jhansi.
4. Contributed as member for department examination committee, Result preparation committee, Board of Study at Institute of Information Technology, Bundelkhand University Jhansi.
5. Implemented new methodologies of learning and teaching to make Seminar, GD, Question-answering and more effective for MCA, M.Sc. and BCA.

## 7. List of Publications:

### A Publications in International Journals

1. **Kumhar, D.**, kumar, A. & Kewat, A. QRED: an enhancement approach for congestion control in network communications. Int. j. inf. tecnol. Vol.13 Issue-1, pp. no.221-227, February 2021. (ISSN: 2511-2104). Available: <https://doi.org/10.1007/s41870-020-00538-1>
2. Kewat A., Srivastava P.N., **Kumhar D.** Performance Evaluation of Wrapper-Based Feature Selection Techniques for Medical Datasets. In: Sharma H., Govindan K., Poonia R., Kumar S., El-Medany W. (eds) Advances in Computing and Intelligent Systems. Algorithms for Intelligent Systems. Springer, Singapore, pp 619-633, 2020 (ISBN 978-981-15-0221-7). Available: <https://link.springer.com/book/10.1007/978-981-15-0222-4?page=2#toc>
3. **Dharamdas Kumhar** and Avaniish Kumar, "Prioritized Retransmission: A TCP Flow Control Mechanism", International Journal of Recent Technology and Engineering (IJRTE), Vol.8 Issue-4, pp. no.1680-1686, November 2019, (ISSN: 2277-3878).IF=1.0 Available: <https://www.ijrte.org/wp-content/uploads/papers/v8i4/C5411098319.pdf>
4. Anil Kewat, P N Srivastava, **Dharamdas Kumhar** "Performance Evaluation Of Soft Machine Learning Algorithms Using Feature Selection Techniques For Disease Prediction", Journal of Emerging Technologies and Innovative Research, Vol.6, Issue 1, pp. no.437-444, January-2019. (ISSN-2349-5162). Available: <http://www.jetir.org/papers/JETIR1901451.pdf>
5. Dharmendra Kumar Kanchan and **Dharamdas Kumhar**, "Security Threats and Challenges in Smart Cities", International Journal of Emerging Technologies and Innovative Research, Vol.5, Issue 8, pp. no.205-209, August-2018. (ISSN-2349-5162). Available: <http://www.jetir.org/papers/JETIR1808512.pdf>
6. **Dharamdas Kumhar**, Avaniish Kumar and Dharmendra Kumar Kanchan , "Enhancement of TCP Performance by Jitter Control Scheme for Communication

Networks", International Journal of Emerging Technologies and Innovative Research, Vol.5, Issue 5, pp. no.280-286, May-2018. (ISSN-2349-5162). Available: <http://www.jetir.org/papers/JETIR1805470.pdf>

7. **Dharamdas Kumhar** and Avanish Kumar "Performance Analysis of AQM Algorithms in Network Congestion Control", International Journal of Advanced Research in Computer Science ,Vol.8, Issue 3, pp. no.204-208, March-2017. (EISSN-0976-5697) Available: <http://www.ijarcs.info/index.php/Ijarcs/article/view/2978>.

## **B Publications in International Conferences**

1. **Dharamdas Kumhar** and Avanish Kumar, "QRED: An Enhancement Approach for Congestion Control in Communication Networks", Proceedings of the 12th INDIACom; IEEE 5th International Conference on "Computing for Sustainable Global Development", Vol. 12, Issue 5, pp. no.643-647, March, 2018. (ISSN 0973-7529) Available: <https://www.bvicam.ac.in/news/INDIACom%202018%20Proceedings/Main/papers/82.pdf>

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## **8. Conferences/ Workshops/ Seminar/ Trainings/ Staff Development Program Attended**

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### **A Conferences Attended**

1. International Conference on VLSI, Communication and Signal Processing (VCAS 2021) during September 24-26, 2021, organized by Department of Electronics and Communication Engineering MNNIT Allahabad, Prayagraj U.P. Paper presented entitled "Internet Security: Threats and its Preventive Measures".
2. International Conference of Vijnana Parishad of India on Recent Developments in Mathematics, Optimization and Computational Sciences (RDMOCS 2021) during September 06-10, 2021, hosted and organized by Department of Mathematical sciences and Computer Applications, Bundelkhand University, Jhansi U.P.
3. International Conference of Vijnana Parishad of India on Recent trends of computing in mathematics, statistics & information technology (RTCMSIT-2018) during March 09-11, 2018, hosted and organized by Department of Mathematical sciences and Computer Applications, Bundelkhand University, Jhansi U.P. Paper presented entitled "Performance enhancement of communication networks based on congestion, jitter and flow control".
4. National Conference on Electronics, Computer & Communication NCECC-2010 during March 6-7, 2010, hosted and organized by Institute of Electronic & Telecommunication Engineers (IETE) & CSI, Gwalior M.P. Paper presented entitled "Optical antenna for optical wireless communication".

5. National conference on 'Recent trends in Information Technology' during November 21-22, 2008 hosted and organized by Shri Rawatpura Sarkar Institute of Technology and Science, Datia, M.P.
6. International Conference of the International Academy of Physical Science, entitled "CONIAPS-V" during April 7-9, 2002 hosted and organized by Institute of Information Technology, Bundelkhand University Jhansi U.P.

## **B Workshops Attended**

1. Two Day Workshop on Vedic Mathematics organized by Department Of Mathematical Sciences & Computer Application Bundelkhand University, Jhansi (UP) on September 04-05, 2021.
2. Two Day Workshop on Applications of Mathematics in Modern Era held at Department of Mathematics, Dr. B.R. Ambedkar University Agra (UP) on December 21-22, 2016. Presented paper oral entitled " performance analysis of AQM algorithms in network congestion control"
3. Three Day Workshop on Bioinformatics: Databases and Sequence analysis organized by Department of Microbiology and Department Of Mathematical Sciences & Computer Application Bundelkhand University, Jhansi (UP) on March 15-17,2016.
4. Seven Day National Workshop on Research Methodology in management & Statistical Analysis Using IBM SPSS Statistics 22.0 held at ITM School of Business, ITM University Gwalior (MP) from December 24-30, 2015.
5. Seven Day Workshop on Research Methodology sponsored by Internal Quality Assurance held at Bundelkhand University Jhansi on February 20-26, 2014.
6. One Seven Day Workshop on Turnitin software sponsored by iGroup Infotech India pvt. Ltd. held at Bundelkhand University Jhansi on December 6, 2014.
7. One Day Workshop on Mathematical and Computational Science sponsored by UGC New Delhi held at Department of Mathematical Sciences & Computer Applications, Bundelkhand University Jhansi on March 30, 2011.
8. Two Day Workshop on Advances in Microwave Communication sponsored by World Bank Assisted Technical Education QIP Govt. of India held at Bundelkhand Institute of Engg. & Technology (BIET) Jhansi U.P. From December 7-8, 2007.

## **C Seminar Attended**

1. National Seminar on Udyog Aur Paryaavaran Ke Lie Ganiteey Vigyaan Mein Ubharate Rujhaan: Takaneekee Hindee Shabdaavalee Ka Prayog during January 27-29, 2020 sponsored by Commission for Scientific and Technical Terminology (MHRD New Delhi) and organized by Shaheed Bhagat Singh College, New Delhi.
2. National Seminar on Bhartiya Bhashaon mein shabdwali: kal, aaj aur kal during July 03-05, 2017 sponsored by Commission for Scientific and Technical Terminology (MHRD

New Delhi) and organized by Department of Commerce and Business Studies, Jamia Millia Islamia New Delhi.

3. National Seminar on e-Learning and MOOCs in Higher Education on January 24, 2019 organized by Guru Angad Dev Teaching Learning Centre of MHRD, SGTB khalsa college, University of Delhi and Bundelkhand University Jhansi U.P.
4. National Seminar on Recent Trends in information Technology during April 15-16, 2006 organized by SRCEM Gwalior M.P.
5. National Seminar on Information Technology Application: Strategies, Issues and Challenges during February 22, 2015 organized by Prestige Institute of Management, Gwalior (MP).

#### **D Staff Development Program Attended**

1. Seven day Faculty Development program held on October 3-9, 2021 funded by University Grant Commission under STRIDE-I Bundelkhand University Jhansi organized by Innovation Centre Bundelkhand University Jhansi U.P.
2. Seven day Faculty Development program held on September 1-7, 2014 sponsored by DreamUny Education Pvt. Ltd. organized by IQAC Bundelkhand University Jhansi U.P.
3. Five Day INSPIRE internship program held on January 20-24, 2014 sponsored by DST (Department of Science & Technology) organized by Bundelkhand University Jhansi U.P.
4. Five Day INSPIRE internship program held on July 05-09, 2013 sponsored by DST (Department of Science & Technology) organized by Bundelkhand University Jhansi U.P.
5. Six Day INSPIRE internship program held on December 13-18, 2010 sponsored by DST (Department of Science & Technology) organized by Bundelkhand University Jhansi U.P.
6. Two day Faculty Development program on Oracle Internet Developer Suite held on November 23-24, 2007 organized by Bundelkhand Institute of Engg. & Technology (BIET) Jhansi U.P.

#### **E Trainings Attended**

1. Five day short term training program on Network Simulation (NS-2013) held on August 19-23, 2013 Cosponsored by TEQIP-II organized by Maulana Azad National Institute of Technology, Bhopal M.P.
2. Two week staff development program on Neurocomputing with algorithms & applications held on January 8-20, 2007 sponsored by AICTE organized by Bundelkhand Institute of Engg. & Technology (BIET) Jhansi U.P.

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## 9. E-: Content

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- Contribution to development of e-content module in complete course/paper/e-book (at least 1 quadrant) for Uttar Pradesh Higher Education Digital Library of subject Cryptography and network security in 2020.  
<http://heecontent.upsdc.gov.in/SearchContent.aspx>

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## 10.References:

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1. Prof. Avanish Kumar  
Professor & Former Chairman of Commission for Scientific and Technical Terminology,  
Department of Higher Education of Ministry of Education, Government of India  
Department of Mathematical Sciences & Computer Applications,  
Bundelkhand University, Jhansi 284128 (UP)  
Email: [dravanishkumar@gmail.com](mailto:dravanishkumar@gmail.com)  
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2. Prof. M. M. Singh  
Professor Department of Geology  
Bundelkhand University, Kanpur Road, Jhansi 284128 (UP)  
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3. Dr. Umesh Kumar Singh, Head /Director  
Institute of Computer Science,  
Vikram University, Ujjain (M.P.)  
Email: [umeshsingh@rediffmail.com](mailto:umeshsingh@rediffmail.com)  
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4. Dr. R V Singh, Head  
Department of Social Work,  
Institute of Social Science  
Dr. B.R. Ambedkar University, Agra  
Email: [rvsiss13@gmail.com](mailto:rvsiss13@gmail.com)  
Mobile +91 8004274589

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## 11. Personal Information:

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Father's Name : Mr. Gokul Prasad  
Mother's Name : Smt. Puniya Devi  
Date of Birth : 10 October 1973  
Address : Village-Jashwant Nagar, Post – Mawai, Distt. Tikamgarh  
(M.P.) -472001  
Nationality : Indian  
Marital status : Married  
Sex : Male  
Religion : Hindu  
Language know : English and Hindi

I hereby declare that all the information given above is true as per best of my knowledge.



[Dharamdas Kumhar]