

<p>Name Neeraj Bhargava Designation Professor & Head Department Department of Computer Science, School of & Systems Sciences Engineering</p>	
Academic Qualifications	Ph. D (Computer Science), M.S. (Computer Science), B. Tech (Computer Science & Engineering)
Work Experience 1 Year	Analyst cum Programmer (for Bisalpur Project, Rajasthan), Officer Training School, HCM-RIPA, Jaipur, Rajasthan India.
Teaching Experience 27 Years	<p>Professor (Computer Science), Department of Computer Science, School of Engineering & Systems Science, MDS University, Ajmer, Rajasthan, India.</p> <p>Associate Professor (Computer Science), Department of Computer Science, School of Engineering & Systems Science, MDS University, Ajmer, Rajasthan, India.</p> <p>Assistant Professor (Computer Science), Department of Computer Science, MDS University, Ajmer, Rajasthan, India</p> <p>Assistant Professor, (Computer Science & Engineering) MBM Engineering College, JNV University, Jodhpur, Rajasthan (India).</p> <p>Lecturer (Computer Engineering), Women's Government Polytechnic College, Jaipur, Rajasthan (India).</p>
Administration & Technical Assignment	<p>SCHOLARLY AND PROFESSIONAL AFFILIATIONS</p> <ul style="list-style-type: none"> ▪ Head, Department of Computer Science. ▪ Convener of Board of Studies in Computer Science & Information Technology at M.D.S. University, Ajmer, Rajasthan, India ▪ Convener of Courses of Committees, Computer Applications at M.D.S. University, Ajmer, Rajasthan, India. ▪ In-charge, Intellectual Property Rights Cell, M.D.S University, Ajmer ▪ Former Web Administrator, M.D.S. University, Ajmer, Rajasthan, India ▪ Member of Academic Council of: <ul style="list-style-type: none"> - M.D.S. University, Ajmer, Rajasthan, India. -Jain Vsihbharti University, Ladnu, Rajasthan, India. -M.J.R.P. University, Jaipur, Rajasthan, India. ▪ Member of Boards of Studies Computer Science and Information Technology at Rajasthan Board of Secondary Education, Ajmer, Rajasthan, India. ▪ Member, Board of Governors, Rashtriya Uchchar

	<p>Shiksha Abhiyan (RUSA), Ministry of Human Resource Development, Government of India, Project, M.D.S. University Ajmer, Rajasthan, India.</p> <ul style="list-style-type: none"> ▪ Member, Board of Studies in Computer Science <ul style="list-style-type: none"> - Mohan Lal Sukhadia University Udaipur, Rajasthan, India. - Maharaja Ganga Singh University, Bikaner, Rajasthan, India. - Sophia Girl's College (autonomous) Ajmer, Rajasthan, India. - Manipal University, Jaipur, Rajasthan, India - Atal Bihari Vajpayee Hindi Vishwavidyalaya, Bhopal, Madhya Pradesh, India - MJRP University, Jaipur, Rajasthan, India. ▪ Member, Research Committee, University of Kota, Kota, Rajasthan, India. ▪ Member of Ph.D Computer Science & Engineering Research Committee, Mahatma Jyoti Rao Phoole University, Jaipur, Rajasthan, India. ▪ Technical person of EDUSAT project of UGC India (Country Wide Classroom Project), MDS University, Ajmer, Rajasthan India. ▪ Technical person INFILIBNET project UGC India, MDS University Ajmer, Rajasthan India. ▪ In-charge, National Knowledge Network Project, Govt. of India, MDS University, Ajmer, Rajasthan India. ▪ In-charge, NMEICT Project, Govt. of India, MDS University, Ajmer, Rajasthan ▪ Executive Council Member NEIT, Ajmer, Rajasthan, Ajmer ▪ Technical Member, Smart City Project, Ajmer City, Rajasthan
Projects	<p>Bisalpur Project: Designed maps using AutoCAD and Microstation; and subsequently analysed using MapInfo and IDRIS.</p> <p>Computer Vision: Worked as Coordinator at the Department of Computer Engineering, M.B.M. Engineering College, J.N.V. University, Jodhpur for the project sponsored by MHRD, New Delhi. The project encompassed the development of GIS and Spatial Database Management System.</p> <p>LISA (Land Information System for Ajmer): Managed the project for the development of GIS software using ARCVIEW and R2V software. It</p>

	<p>includes all capabilities of GIS Buffering and Shortest Route Algorithms.</p> <p>E-Mapping: It involved the conversion of Raster to Vector Maps of all Districts in the state of Rajasthan (India), using R2V software.</p> <p>GIS for Higher Education: Developed GIS application using ARCVIEW and AVENUE, and it includes overlay technique, spatial database.</p> <p>Adaptive Learning Tools for C language: Developed prototype using IDLsystem. The developed software is based on the concept of 3D learning and Apprenticeship; and uses IMS standards.</p> <p>E-Learning for Logic Gates: The system was developed using IDL system software. The prototype was based on step-to-step methods.</p> <p>Set up the Online Training Room using VGA splitter technology. It has master and 20-slave computers. This proved to be a useful concept in the field of online training for GUI Software. Upon completion, the lab was inaugurated by Honourable Governor of Rajasthan, Mr. Anshuman Singh.</p> <p>E-learning for Database Management System: Developed an application based on example based technique for MCA Students.</p> <p>Implementation of GML in Web GIS: Handled the development of a prototype for land information system for Ajmer City.</p> <p>Apps for MDS University: Developed an Apps for various application of the University.</p>
<p>Publications and Communicated Paper in Journals</p>	<p>2018</p> <ul style="list-style-type: none"> • (Neeraj Bhargava 2018) Prediction of Arthritis using Classification and Regression Tree Algorithm. 2nd International Conference on Communication and Electronics Systems, Coimbatore; 10/2017 Published in IEEE Explore Digital Library ISBN-978-1-5090-5013-0 • (Neeraj Bhargava 2018) An adaptive method for Edge Preserving Denoising. 2nd International Conference on Communication and Electronics Systems, Coimbatore; 10/2017 Published in IEEE Explore Digital Library ISBN-978-1-5090-5013-0 • (Neeraj Bhargava 2018) An Economical Approach to Rhetorical Investigation in Cloud victimization VM Snapshots in IJKBO of IGI GLOBAL JOURNALUSA, Vol 9 Issue 4, January 2018 • (Neeraj Bhargava 2018) Clustered Comparative Analysis of Security Sensor

Discrimination, Annals of Computer Science and Information Systems, Volume 14, ISSN 2300-5963 Poland, pp 29-33, 2018

- (Neeraj Bhargava 2018) Detection of malicious executables using rule based classification algorithms Annals of Computer Science and Information Systems, Volume 14 ,ISSN 2300-5963 Poland, pp 35-38, 2018

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- (Neeraj Bhargava 2017) An Adaptive Analysis of Different Methodology for Face Recognition Algorithm, International Journal on Future Revolution in Computer Science & Communication Engineering(IJFRCSE), Volume 3 Issue 12, ISSN 2454-4248, pp 209 – 212, , Dec 2017

- (Neeraj Bhargava 2017) Prediction of Recurrence Cancer using J48 Algorithm". 2nd International Conference on Communication and Electronics Systems (ICCES 2017), Coimbatore; 10/2017 Published in IEEE Explore Digital Library ISBN-978-1-5090-5013-0

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- (Neeraj Bhargava 2016) An Approach for Classification using Simple CART Algorithm in Weka, IEEE Explore Digital library, February 25-26 2016, ISSN/ISBN: 978-1-46737832-1

- (Neeraj Bhargava 2016) Odd Even Virtual Scanning Algorithm in Wireless Sensor Technology, International Journal of all Research Education and Scientific Methods (IJARESM), Volume 4, Issue 6, June 2016, ISSN 2455-6211, pp229-234

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- (Neeraj Bhargava 2015) Fingerprint Matching of Normalized Image based on Euclidean Distance, International Journal of Computer Applications, Volume 120, no 24, Jan 2015, ISSN 0975 – 8887, pp 20-23.

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- (Neeraj Bhargava 2012) Colour Image Digital Watermarking, Emerging Research in Electronics, Computer Science and Technology, Proceedings of International Conference, ICERECT 2012, 978-81-322-1156-3 ISBN, pp 587-593, Series Title Lecture Notes in Electrical Engineering, Volume 248, Publisher Springer India ISBN (Online) 978-81-322-1157-0.

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- (Neeraj Bhargava 2012) Study of TCP throughput on Network Simulator OPNET++ by using different parameters, Journal of Environmental Research and

	<p>Development, An International Research Journal of Natural Science, Technology, Social Sciences, Law and Management for Environment, Impact Factor .157, ISSN No. 073-6921, volume 07, number 02, pp 762-767, October-December 2012.</p> <ul style="list-style-type: none">▪ (Neeraj Bhargava 2012) Fingerprint Matching using ridge-end and bifurcation points, International Conference on Recent Trends in Information Technology and Computer Science, Thakur College of Science and Commerce, Mumbai, Sponsored by CSI India, 17th -18th December 2012.▪ (Neeraj Bhargava 2012) Impact of Noses on QR Code, International Conference on Advanced Computing & Communication Technologies, organized by Asia Pacific Institute of Information Technology SD India Panipat, Technical sponsored by IEEE Computer Society and IETE, Published by Excel India publisher, ISBN 978-93-82062-69-1, pp 71-75, 3rd November. 2012.▪ (Neeraj Bhargava 2012) QR Code with Gaussian Noise, International Journal of Computer Sciences and Systems, ISSN No.2278-6732, pp 1-5, July-December 2012▪ (Neeraj Bhargava 2012) GIS and Remote Sensing - An Effective Tool for Agriculture Planning, International Journal of Computational Intelligence & Communication Technology, ISSN No. 2278-6732, pp. 72-74, July-December 2012.▪ (Neeraj Bhargava 2012) Implementation of TCP_Reno Algorithm in the NS2, International Journal of Engineering and Innovative Technology, ISSN:2277-3754, Volume 2, issue 2, ISO 9001:2008 Certified, pp 84-88 August 2012.▪ (Neeraj Bhargava 2012) Fingerprint Recognition Using Minutia Matching, International Journal of Computer Trends and Technology, ISSN: 2231-2803, volume 3, Issue 4, ISO 3297:2007, pp 641-643 (July- Aug 2012)
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- (Neeraj Bhargava 2010) Service Oriented Architecture and Grids in Oracle, Binary Journal of Data Mining & Networking I, April 2010, ISSN 2229-7170, pp 6-9.
- (Neeraj Bhargava 2010) Mining Higher Educational Students Data to Analyze Students Admission in Various Disciplines, Binary Journal of Data Mining & Networking I, April 2010, ISSN 2229-7170, pp 1-5.
- (Neeraj Bhargava 2010) Scope Analysis of Different Kind of Finger Print, Binary Journal of Data Mining & Networking I, April, 2010, ISSN 2229-7170.
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- (Neeraj Bhargava 2010) Information Protection and Security Management in Digital Era, The Subbed journal of Recent Trends in Information Technology, volume1 no1, July 2010, ISSN 9997-9675, pp 158-162.
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	<p>International Journal of Emerging Technologies and Applications in Engineering, Technology and Science, Volume 2 July09-December. 09, ISSN.0974-3588, pp. 744-748</p> <ul style="list-style-type: none"> ▪ (Neeraj Bhargava 2009) ERP Based Campus Development for Higher Education International Journal of Computer Applications in Engineering, Technology and Science, Volume 1 Issue 2, ISSN.0974-3596, pp 674– 78, April 09-September 09. ▪ (Neeraj Bhargava 2009) Biotech GIS as prevention from Bio-Virus, International Journal of Emerging Technologies and Applications in Engineering, Technology and Science, Volume 2 July09-December. 09, ISSN.0974-3588, pp 734-737. ▪ (Neeraj Bhargava 2008) Formal Security Evolution of Adhoc Routing Protocols, National Conference on Recent Trends in Information Technology: Opportunities and Challenges, Sponsored by All India Council of Technical Education, New Delhi, SS Jain Subodh PG college, Jaipur, pp. 38-40. ▪ (Neeraj Bhargava 1998) MDS University Library Computerization Tool for Bringing About Sound Management, Calibre 98, pp. 297-299, 1998. ▪ (Neeraj Bhargava 1994) GIS and Generation of Quad Tree, International Conference on Remote Sensing and GIS, Tata McGraw Hill pp 570-574,1994. ▪ (Neeraj Bhargava 1992) AutoCAD: Software Tools in Planning, Shiksha Samvad, Vol.4. pp.40, 1992.
<p>Paper presented/ Communicated in Conference/ Seminar/ workshop</p>	<p><u>International</u></p> <ul style="list-style-type: none"> ▪ An Approach for Efficient Knowledge mining with the application PRM, International Conferenc on Recent Advance in Engineering and Technology ICRAET-18, Amman, Jordon 14th July 2018. ▪ The International Conference on Efficient

	<p>Implementation of Digital India and Cashless Transactions, AICTE Sponsored International Conference, Janardan Rai Nagar Rajasthan Vidyapeeth, Udaipur 27th - 28th November 2017</p> <ul style="list-style-type: none"> ▪ International Conference on Recent Advancements in Computer , Communication & Computational Sciences, Springer Conference, Aryabhata College of Engineering & Research Center , Ajmer, Rajasthan, India, 2nd -3rd September 2017. ▪ An Adaptive Method of Odd-Even Scanning (OES) Algorithm in WSN for Enhancing network efficiency, International Conference on Recent Innovations in Engineering and Technology (ICRIET), Pattaya, Thailand , 10th -11th July 2017 ▪ Network Coding on Multihop Wireless Network and Session Chair, International Conference on Computer, Communication and Computational Sciences (ICCCCS-2016), Technical Sponsored by Springer, held at Aryabhata College of Engineering & Research Center, Ajmer, India during August 12th -13th , 2016. ▪ Computer Based Geographical Information System, ICTCS, Doctoral Conference, Department of Computer Science & IT, Janardan Rai Nagar Rajasthan Vidhyapeeth (Deemed) University, In Collaboration with CSI & ACM Udaipur Chapter, 3rd March 2016. ▪ Comparative Study of Inverse Power of IDW Interpolation Method in Inherent Error Analysis of Aspect Variable, International Congress on Information and Communication Technology ACM Conference, Udaipur, 9th -10th October 2015. ▪ Challenges with Handheld Devices for Cloud Computing, International Seminar on Advancement in Mobile Technology and Cloud Computing, Janardan Rai Nagar Rajasthan Vidhyapeeth University, Udaipur, Rajasthan India, 8th -9th March 2014 ▪ BIG data Analytics and Hadoop Technology, International Conference on Computational Intelligence and Communication Networks, IEEE CICON, Udaipur, Rajasthan India, 17th
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	<p>November 2014.</p> <ul style="list-style-type: none"> ▪ Role of Satellite Communication in Higher Education, International Conference on Recent Trends in Applied Sciences with Engineering Applications, Truba Institute of Engineering & Information Technology, Bhopal, Madhya Pradesh India, 26th -28th April 2013. ▪ Performance of TCP Throughput on NS2 by using Different Parameters, International Conference on Emerging Trends and Technology, Organized by Association of Computer Communication and Education for National Triumph Society (ACCENTS), 15th -16th December. 2012. ▪ Fingerprint Matching using Ridge-End and Bifurcation Points, International Conference on Recent Trends in Information Technology and Computer Science, Thakur College of Science and Commerce, Mumbai, Sponsored by CSI India, 17th -18th December 2012. ▪ Impact of Nose on QR Code, International Conference on Advanced Computing & Communication Technologies, Organized by Asia Pacific Institute of Information Technology SD India Panipat, 3rd November 2012. ▪ International Federation for Information Processing (IFIP), in partnership with the Department of Electronics and Information Technology (DEIT), Government of India, presents the 5th IFIP World IT Forum (WITFOR), Vigyan Bhawan, New Delhi, 16th -18th April, 2012 ▪ Review of Various Digital Watermarking Embedding Algorithms, International Conference on Recent Trends of Computer Technology in Academia, ICRTCTA 2012, Department of Computer Science & Information Technology of J R N Rajasthan Vidyapeeth University at Udaipur, Rajasthan, India, 21st to 23rd April 2012 ▪ Precise Harvest and Irrigation Planning using GIS and Remote Sensing, International Conference on Recent Trends of Computer Technology in Academia, ICRTCTA 2012, Department of Computer Science & Information Technology of J R N
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	<p>Rajasthan Vidyapeeth University at Udaipur, Rajasthan, India, 21th -23th April 2012</p> <ul style="list-style-type: none"> ▪ Role of Matlab in Decision Table, International Workshop on the Occasion of National Mathematics year 2012 on "Popularization of Mathematics through Applications of Mathematics in Various Disciplines", 2012 Chandra Shekhar Azad Govt. PG Nodal College Sehore, Madhya Pradesh India, 25th January 2012. ▪ International Seminar on Washington Accord- India's Preparedness, National Institute of Technical Teacher's Training and Research, Bhopal , Madhya Pradesh India, 6th -7th January, 2011. ▪ The New Face of Tally ERP, International Seminar on Accounting Education and Research, University of Rajasthan, Jaipur, Rajasthan India, 17th -18th December 2011 ▪ Emerging trends in ICT, Multidisciplinary International Conference Emerging Issues and Global Economics Scenario, in Association with North England Business Administration Association, USA and Aishwarya College, Udaipur, Udaipur, Rajasthan India, 21st – 24th August 2009. ▪ Building Next Generation of Online Learning with Adaptive Learning, Consortium for Educational Communication in Collaboration with Commonwealth of Learning, Canada, New Delhi 29th May–2nd June 2006. ▪ International Conference & Workshop on Web Technologies Conducted by W3C India, 10th -11th November 2005, New Delhi
Dissertation/Thesis Supervised	<p>3 Ph. D Computer Science 8 for M.Phil. (Computer Science) 50 for M.Sc. (Computer Science) 125 for MCA students 25 M. Tech (Computer Engineering).</p>

Books

- A Practical Approach for Image Processing & Computer Vision in MATLAB, Amazon Publication USA, ISBN 9781541286023
- Fundamental of Information Technology, University Book House, Jaipur Rajasthan India ISBN 978-81-8198-297-1.
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- PC Software, University Book House, Jaipur Rajasthan India ISBN 978-81-8198-124-3.
- A Book on C Programming Language, University Book House, Jaipur. ISBN 978-81-8198-297-2.
- Data Communications and Networks, Book Compile for Vardhaman Mahaveer Open University, Kota, ISBN -13/978-81-8496-198-0.
- Software Engineering Book Two Chapters Written for Vardhaman Mahaveer Open University, Kota Rajasthan India, ISBN 978-81-8496-210-9.
- Visual Basic, Two Chapters Written for Vardhaman Mahaveer Open University, Kota Rajasthan India ISBN 13/978-81-8496-313-7.
- C++ Programming, Two Chapters Written for Vardhaman Mahaveer Open University, Kota Rajasthan India ISBN 13/978-81-8496-326-7.
- Web technology, Two Chapters Written for Vardhaman Mahaveer Open University, Kota, Rajasthan India
- Editor of Web Technology, Book for Vardhaman Mahaveer Open University, Kota Rajasthan India
- Computer Science, Class X, Published by Rajasthan Board of Secondary Education, Rajasthan, Govt. of Rajasthan Publication Ajmer, Rajasthan, India.
- Informatics Practices, Class XII, Published by Rajasthan Board of Secondary Education, Rajasthan, Govt. of Rajasthan Publication Ajmer, Rajasthan, India.
- Multimedia Class XII, Published by

	<p>Rajasthan Board of Secondary Education, Rajasthan, Govt. of Rajasthan Publication Ajmer, Rajasthan, India.</p> <ul style="list-style-type: none"> ▪ Computer Science and C++, Class XII, Published by Rajasthan Board of Secondary Education, Rajasthan, Govt. of Rajasthan Publication Ajmer, Rajasthan, India.
Visits and Talks (Series of Lectures)	<ul style="list-style-type: none"> ▪ Human face Recognition using Principle Component Analysis, University of Bangkok, Bangkok, 29th April 2017 ▪ Fundamental of GIS: Department of Computer Science, University of Rajasthan, Jaipur (Rajasthan, India). ▪ Measurement of Distance in GIS: Department of Computer Science, M.L.S. University, Udaipur (Rajasthan, India). ▪ Role of Digitisation Techniques in GIS: Department of Computer Science & Engineering, MBM Engineering College, JNV University, Jodhpur (Rajasthan, India). ▪ Overlay Technique used in GIS: Hemachandra North Gujarat University, Patan (Gujarat, India). ▪ Role of GML in Web GIS: Kadi Savar Vishwavidyala, Gandhinagar (Gujarat, India) ▪ ATM networks, Concept and Protocols: MJRP University, Jaipur, (Rajasthan, India). ▪ Convergence of XML and GML: Saurashtra University, Rajkot (Gujarat, India). ▪ Role of GIS in Cloud Computing: Bansal Institute of Science and Technology, Kokta, Anand Nagar, Bhopal, (M.P., India).
International Exposure/Visits	<p>Pattaya Thailand 2017</p> <p>Bangkok Thailand 2017</p> <p>Amman Jordan 2018</p>
Awards	<p>Topper of RPSC (Rajasthan Public Service Commission, Rajasthan India) for section of Polytechnic Lecturer in Computer Engineering in 1989.</p>

<p>Technical Training</p>	<ul style="list-style-type: none"> • Workshop on GIS , Department of Information Technology, Government of Rajasthan , Feb 2016,India • National Workshop on recent trends in web technologies, Suresh GyanVihar University, Jaipur, Rajasthan India, 27-28 November 2009 • Geomedia Professional, Roltas, India New Delhi, 2008. • Building Next Generation of Online Learning with Adaptive Learning, Consortium for Educational Communication in collaboration with Commonwealth of Learning, Canada, at New Delhi , India , 29th May to 2nd June, 2006. • International Conference & Workshop on Web Technologies Conducted by W3C India, 10th -11th Nov. 2005, New Delhi, India. • Workshop on operationalization of SIT under EDUSAT Network, Consortium for Educational Communication, New Delhi, India 8th -9th June 2005. • GIS and Arcview, Network Analyst, 3D Analyst, TRICAD pvt. Ltd. Hyderabad,India Nov. 2000. • Introduction to PC Arcview, ESRI, New Delhi, India, June 1999 • Introduction to PC Arc Info, ESRI, New Delhi, India, June 1999
<p>Departmental Projects</p>	<ul style="list-style-type: none"> • Establishment of Campus Wide Networking of MDS University , Ajmer (worth INR 1 Core) (NMEICT , Govt. of India, project). The project launched in 2014 has been successfully completed. • Establishment of Computer Centre: Under Department of Computer Applications, X Plan UGC Scheme (valued at INR 33 Lakhs). The project launched in 2006 has been successfully completed. • Emerging Area of Computer Science: A project funded by UGC (worth INR 12.5 Lakhs). The project launched in 1995 has been successfully completed

Other Information

Technical Skill

- Hardware ICIM 6060, OMC 5800, ECIL micro32,
- AS/400, Power 5 IBM, Sun Workstations
- Operating Systems UNIX, Linux, Window, Ubuntu.
- CAD Software AutoCAD
- GIS Tools/ Software ArcView, ArcInfo, MapINFO, Geomedia
- Professional, Arc avenue, GML
- RDBMS Oracle, DB2
- Languages C, C++, HTML
- Ad Hoc Network OmNet++, OPNet++,ns2
- Image Processing MatLab