


Curriculum Vitae

Name	Dr. Manmohan Singh Rauthan		
Designation	Professor		
Department	Computer Science & Engineering		
Campus	Chauras Campus		
Telephone	+91-1370-267795		
Mobile	+91-8449445080		
Email id	mms_rauthan@rediffmail.com		
Educational Qualification	M. Tech. (Computer Science & Engineering), Ph. D. in Information Technology		
Teaching Experience	24 Years	Research Experience	8 Years
Area of Interest			
Cloud Computing, Natural Language Processing, Computer Network, Ad-Hoc Network			
Research Supervision (No. of Ph.D. Degree Awarded/ Registered)			
Awarded : 02			
Registered : 03			
Administrative and Academic Experience			
<ul style="list-style-type: none"> i) Working as Examination Controller (Computerization) of H.N.B. Garhwal University from 2002 to 2011. ii) Working as Head of the Department of Computer Science & Engineering, H.N.B. Garhwal University since 2001 onwards. iii) Worked as Examination Controller (PC), H. N.B. Garhwal University from 2007 to 2015. iv) Working as Dean School of Engineering & Technology, H. N. B. Garhwal University since Jan, 2013 to Jan, 2016. v) Worked as DSW, Training and Placement officer in G.B. Pant Engineering College, Pauri Garhwal. 			
Publication			
<ul style="list-style-type: none"> ➤ Rakesh Pandey, H. S. Dhama and <i>M. M. S. Rauthan</i>, "Modelling of Parts of Speech Patterns And Exhibition of Relation Between Stylistic Patterns Of Different Writers "(2009), Shekhar (New Series) International Journal of Mathematics, Volume I Issue I Dec 2009 pp 139-153 ➤ <i>M. M. S. Rauthan</i>, Pritam Singh Negi and H. S. Dhama , "Computer Program for Modeling the Patterns of Parts of Speech(2010)", International Journal of Computer Applications (0975 - 8887), Volume 7- No.6, September 2010 ➤ Pritam Singh Negi, <i>M. M. S. Rauthan</i> and H. S. Dhama, "Sentence Boundary Disambiguation: A User Friendly Approach (2010)", International Journal of Computer Applications (0975 - 8887), Volume 7-No.8, October 2010 ➤ Pritam Singh Negi, <i>M. M. S. Rauthan</i> and H. S. Dhama, "Language Model for Information 			

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- **M. M. S. Rauthan**, Sumit Kulbe and H. S. Dhama, "Correction of Verbs in English Corpus by using the Concept of AI" (2012), International Journal of Computer Applications (0975 - 8887), Volume 60- No.7, December 2012.
- Neelam Panwar, Sarita Negi, **Man Mohan Singh** & Kunwar Singh Vaisla, "TOPSIS-PSO inspired Non-Preemptive Tasks Scheduling Algorithms in Cloud Computing Environment", Cluster Computing, Springer, 2019 pp.1-18. (Scopus)(SCI)
- Neelam Panwar, Sarita Negi, **Man Mohan Singh Rauthan**, Mayank Aggarwal & Pragya Jain, "An Enhanced Scheduling Approach with cloudlet migration for Resource Intensive Applications", Journal of Engineering Science and Technology, 2018,13(8),2299-2317.(Scopus)
- Neelam Panwar, Sarita Negi & **Man Mohan Singh**, "Non-live Task Migration Approach for Scheduling in Cloud Based Applications", 2018, ISBN: 978-981-10-8660-1.
- Narendra Panwar, **MMS Rauthan** and Amit Agarwal, "Remote User Authentication Scheme: Review", International Journal of Science and Engineering Invention (IJSEI), Vol 6, Issue 12, pp9-12, 2017, ISSN (Print):0974-6846, ISSN(Online):0974-5645 [UGC][Google Scholar]
- Narendra Panwar, **MMS Rauthan** and Amit Agarwal, "A comparative analysis and improvement of smart card based remote user authentication scheme", 9th IEEE International Conference on Contemporary Computing-IC3, Noida, India, Sep 2016. [IEEE][Google Scholar]
- Narendra Panwar, **MMS Rauthan** and Amit Agarwal, "Privacy of Patient Information: Implementation and Security Analysis of a Secure Three Tier Patient Information System based on QR Code", IEEE International Conference on Micro Electronics and Telecommunication Engineering (ICMETE-2016), SRM University, India, Dec 2016. [IEEE][Google Scholar]
- Narendra Panwar, **MMS Rauthan** and Amit Agarwal, "Remote User Authentication Scheme: Cryptanalysis of smart card and biometric-hash based authentication scheme", IEEE 2nd International Conference on Next Generation Computing Technologies (NGCT2016), UPES, Dehradun, India, Dec 2016.[IEEE][Google Scholar]
- Narendra Panwar, **MMS Rauthan** and Amit Agarwal, "Remote User Authentication Scheme: Security Analysis, Comparison and Further Improvement of Smart Card based Scheme," in International Conference on Systemics, Cybernetics and Informatics ICSCI, 2017, Hyderabad.
- Narendra Panwar, **MMS Rauthan** and Amit Agarwal, "Improved Dynamic ID and Mutual Authentication based Remote User Authentication Scheme," in 2016 National Conference on Communication Systems and Advance Computing, NCCAC, 2016, THDC, Tehri
- Manmohan Lakhera **M. M. S Rauthan** Amit Agarwal , " Biometric Template Security Schemes: Review "Publication date 2017/9/9 Conference International Conference Systemics, Cybernetics and Informatics
- Manmohan Lakhera, **Manmohan Singh Rauthan**," Securing Stored Biometric Template Using

Cryptographic Algorithm "Publication date 2018/10/1, Journal - International Journal of Rough Sets and Data Analysis (IJRSDA) Publisher- IGI Global

- Manmohan Lakhera, *M. M. S. Rauthan*, Amit Agarwal , " An Efficient Cryptographic Algorithm for Securing Biometric Template Using AES and Scrambling the Pixels of Row and Column "Publication date 2017/6/8 Conference Micro-Electronics and Telecommunication Engineering (ICMETE), 2016 International Conference on Publisher IEEE
- ManmohanLakhera, *MMS Rauthan*, Amit Agarwal , " Securing biometric template using double hill cipher with self-invertible key and random permutation of pixels locations",Publication date 2016/10/14 Conference 2016 2nd International Conference on Next Generation Computing Technologies (NGCT) Pages 814-817 Publisher IEEE
- ManmohanLakhera, *MMS Rauthan*, Amit Agarwal,"SecuringBiomtric Template Over Non-Secure Channel using Cryptography and Helping Data "IOSR Journal of Computer Engineering (IOSR-JCE) e-ISSN: 2278-0661,p-ISSN: 2278-8727, Volume 17, Issue 5, Ver. IV (Sep. - Oct. 2015), PP 129-132
- R Verma, *MMS Rauthan*, KS Vaisla "A comparative analysis of multicast routing protocols in VANET for smart city scenario",2017 International Conference on Inventive Computing ..., 2017, Pages 810-814,Publisher IEEE [IEEE][Google Scholar][Scopus]
- Pramod Kumar, *MMS Rauthan* and Vikram Kapoor, "A Review On Data Integrity Models And Schemes", International Journal of Engineering Science Invention(IJESI)", Volume 7 Issue 3 Ver. VI, March 2018. ISSN (Online): 2319 - 6734,ISSN (Print): 2319 - 6726, PP23-27 Indexed in [EBSCO] [Google Scholar] [ProQuest]
- Pramod Kumar, *MMS Rauthan* and Vikram Kapoor, "Efficient Data Integrity Algorithm for Outsourced Data in Cloud Environment", Int. Journal of Engineering Research and Application, ISSN: 2248-9622, Vol. 8, Issue3, March 2018, pp.10-15 Indexed in [DOAJ].
- Pramod Kumar, *MMS Rauthan*, "Remote User Authentication Scheme: A comparative analysis and improved behavioral biometrics based authentication scheme," IEEE International Conference on Micro Electronics and Telecommunication Engineering (ICMETE-2016), SRM University, India. Indexed in [IEEE] [Google Scholar]
- Pramod Kumar, *MMS Rauthan*, "Remote User Authentication Scheme using Keystroke Dynamics," in 2016 National Conference on Communication Systems and Advance Computing, NCCAC, 18-19 June 2016, THDC, New Tehri. Indexed in [Google Scholar]

Books Written on Computers:

- R.B. Patel, M.M.S. Rauthan, Expert Data Structures With C++, Khanna Publication, ISBN 10: 8187522038 / ISBN 13: 9788187522034
- Rakesh Saini, M. M. S. Rauthan, Database Management System, Publisher Vayu Education of India, ISBN 10: 9380097387/ISBN 13: 9789380097381