


Curriculum Vitae

Name	Dr. Yadav Prasad Raiwani		
Father's Name	Late Sh. B.P. Raiwani		
Date of Birth	05-10-1966		
Department	Computer Science & Engineering		
Designation	Professor (CSE) Dean (School of Engineering and Technology)		
Campus	H N B Garhwal University Srinagar Garhwal Uttarakhand-246174		
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Email	<i>yp_raiwani@yahoo.com</i> <i>raiwani@gmail.com</i>		
Education Qualification	Ph. D.		
Areas of Interest/ Specialization	Data Mining, Machine Learning, Networking, Big data, Pattern Recognition and Signal Processing, Cloud Computing.		
Teaching Experience	30 Years*	Research Experience	25 Years
Teaching Experience/Post Held			
Name of Institution	Position Held	From	To
H.N.B. Garhwal University (A Central University)	Dean, School of Engineering & Technology	24-01-2020	23-01-2023
H.N.B. Garhwal University (A Central University)	Professor, Computer Science & Engineering	01-4-2013	Till Date
H.N.B. Garhwal University (A Central University)	Associate Professor, Computer Sc.	15-5-2005	31-3-2013
H.N.B. Garhwal University (A Central University)	Reader, Computer Science	15-05-2002	14-5-2005
H.N.B. Garhwal University (A Central University)	Sr. Lecturer Computer Science	15-05-1997	14-5-2002
H.N.B. Garhwal University (A Central University)	Lecturer Computer Science	15-05-1991	14-05-1997
Administrative Experience:			
(i) Dean, School of Engineering & Technology, since 24.01.2020 to 23.01.2020			
(i) Deputy Controller Examination (Main) since 17.01.2017 to 01.01.2019.			
(ii) Assistant Proctor since 18.08.2015 to 30.06.2018.			
(iii) Assistant Proctor for three years since 15.07.2008 to 30.7.2011.			

- (iv) Deputy Controller Examination (PC) since 06.09.2004 to 01.03.2006.
- (v) Head Computer Science since 11.02.2000 to 10.08.2004 at SRT Campus Badshahithaul, H N B Garhwal University.
- (vi) Programme Officer NSS since 25.01.2002 to 10.08.2005 at SRT Campus Badshahithaul, H N B Garhwal University.
- (vii) Head and Convener Computer Science, since 23.10.1996 to 10.02.2000 at HNB Garhwal University Srinagar.
- (viii) Academic In-charge B.Tech.(CSE) from 2009 to 2020.

Professional Development Activities:

(Member of Scientific Organization/Academic Institutions/Universities)

- Senior Life Member, Computer Society of India
- Member IAENG (International Association of Engineers)
- Organised a National Seminar on “Combating Disaster in Himalaya” on the Occasion of National Himalayan Day (2013).
- Chairman/Expert / Member of various selection committees such as selection of Scientist-E in DEAL Dehradun, Programmer cum Information Officer and IT Assistant cum Information Assistant at G.B. Pant Institute of Himalayan Environment & Development, Research Scientist, Programmer and Field Assistant in NRDMS Centre Tehri, Member of Selection committee for the Post of Assistant Professor, Associate Professor and Professor in the School of Engineering and Technology, HNBSGU Srinagar etc.
- Involved in various confidential work; including Paper Setting, Generation of Question Bank, Moderator, Reviewer and Expert of Uttarakhand Public Service Commission, Govt. of Uttarakhand.
- Expert/Examiner of Universities such as MJP Rohelkhand University Bareilly, Kumaon University Nanital, Indira Gandhi National Open University New Delhi, Awadh University Faizabad, Gurukul Kangri University Haridwar, MCRP Bhopal, MDU Rohtak, Sri Dev Suman Uttarakhand Viswavidyalaya, Uttarakhand Technical University Dehradun, SRM University Chennai, SHUATS Allahabad and various other Universities.

Others:

- Member Executive committee of HNB Garhwal University Alumni Association.
- Secretary, HNB Garhwal University Teachers’ Association for the session 2013-2014 and 2018-2019 and 2019-2020.
- Treasurer HNB Garhwal University teachers’ Association for three consecutive terms (2010-2011, 2011-2012 and 2012-2013)

Research Supervision (No. of Ph. D. Degree Awarded / Registered)

- (i) Ph.D. Degree Awarded : 02 Candidates
- (ii) Registered for Ph.D : 04 Candidates

Awarded:

01. Sushm Bahuguna(2014)

Title of Thesis: “*Empirical Study of Emotion Based Speaker Identification for Hindi Speech*”.

02. Mukesh Rawat (2017)

Title of Thesis: “*Domain Independent Automatic Cluster Generation of Documents*”.

Registered:

01. Prgya Baluni

Topic: “*Automatic Face Naming, Enhanced Learning Discriminative Affinity Matrices*”.

02. Shailesh Singh Panwar

Topic: “*Comparative Study of Performance Evaluation for Intrusion detection using Machine Learning Algorithms*”

03. Kanchan Naithani

Topic: “*Extraction of Sentiments from Textual Contents Using Natural Language Processing through Machine Learning*”.

04. Shailratan Bhatt

Conference/Symposium/Workshop Attended :

1. 3rd International Conference on Intelligent Communication, Control and Devices, UPES Dehradun on 21st & 22nd December, 2018.
Paper Presented: “Performance Analysis of NSL-KDD Dataset Using Classification Algorithms with Different Feature Selection Algorithms and Supervised Filter Discretization”.
2. ICDL-2013, International Conference on Digital Libraries, organised by The Energy and Resource Institute (TERI) New- Delhi, 27-29 November 2013.
Paper Presented: “An Approach to Manage Enterprise Knowledge”.
3. RATIM-2012, International Conference on Recent Advances in IT and IT Management, organised by Department of Computer Applications, SGRRITS, Dehradun Uttarakhand, 28-29 February, 2012
4. ICDL-2006, International Conference on Digital Libraries, organised by The Energy and Resource Institute (TERI) New- Delhi, collaboration with Dept. of Tourism and Culture Govt. Of India, 5-8 December, 2006.
Paper Presented: “Secure Virtual Private Network Using IPsec”
5. ICDL-2004, International Conference on Digital Libraries, organised by The Energy and Resource Institute (TERI) New- Delhi, collaboration with Dept. of Tourism and Culture Govt. Of India, 24-27 February, 2004.
Paper Presented: “Importance of RFID Technology in Library”
6. International Conference on “Vedic Values and Corporate Excellence”. Gurukul Kangri University Haridwar and Shantikunj Haridwar, 22-24 Feb, 2002.
Paper Presented: “New Winds and Destiny of E-Business and E-Commerce”.
7. International Conference on “The Physics of Disordered Materials” during Jan 27-29, 1997. University of Rajasthan Jaipur(Rajasthan).

8. International conference on “Strongly Co-related Electron Systems” (SCES-95), September 27-30, 1995, in Goa Organised by Tata Institute of Fundamental Research.

National Conferences:

1. 2nd National Conference on Recent Innovations in Emerging Technology and Science (NCRIETS - 2018), Organized by JB Institute of Technology, Dehradun in Collaboration with USERC during 06-07 April, 2018. (Chaired a Technical session of “Computer Science and Engineering”.
2. National Seminar on Climate Change, Resources Bio-Diversity and Environmental Challenges, Organised by Dept. of Geography during October 28-30, 2015.
3. National Seminar on “Challenges of Livelihood Restoration in Disaster-hit Regions of Uttarakhand”, Organised by Dept. of Geography, H N B Garhwal University Srinagar Garhwal Uttarkhand, during, Nov. 28-29, 2014.
4. National seminar on "Uttarakhand Disaster: Contemporary Issues of Climate Change and Development with a holistic approach", Organised by Sri Dev Suman Uttarakhand University, Badshathaul, Tehri Garhwal, Uttarakhand during 25-27 October, 2013.
5. National Conference on “Strategies for Sustainable Business Growth in India”, Organised by PIMT, Mandi Gobindh- garh Punjab on 5th October 2013.
6. Workshop on “Responsibility Sharing and work Distribution on Uttarakhand Disaster – Lessons for Future Planning in the Indian Himalayan Region” , Organised by CHEA at FRI Dehradun on Sept 13, 2013.
7. National Seminar on “Resource Environment and Development of the Indian Himalaya: Issues and Strategies for sustainable Development” Dept. of Geography, H N B Garhwal University Srinagar Garhwal Uttarakhand during Nov. 02-04, 2011.
Paper Presented: “Importance of Baseline Databank for Road Safety in Uttarakhand”.
8. National seminar on “Contemporary Issues in IT and E-Business”, during 31st March 2007, IIMT Management College, Meerut. Paper Presented: “An Expert System for Identifying Plant”.
9. 2nd All India conference of Central Government Library Association (CGLA), during 29-31 October, 2006, Indira Gandhi National Forest Academy, Dehradun Uttaranchal. Paper Presented: “Digital Libraries: Issues and Challenges”.
10. Twelfth National Symposium on Environment (NSE-12) held at during June 5-7, 2003, HNB Garhwal University, Badshahithaul Campus, Tehri Garhwal.

Research Publications:

1. Review and Comparison of various Technologies for Predicting Students' Academic Performance. Asish Bhandari, Himanshu Thapliyal, Shailesh Singh Panwar, **Y.P. Raiwani**, JCR.2020:7(19): 8443-8450 DOI: 10.31838/jcr.07.19.952.
2. Review on Prediction of Heart Diseases Using Data Mining in Healthcare System. Himanshu Thapliyal, Asish Bhandari, Shailesh Singh Panwar, **Y. P. Raiwani**, JCR.2020:7(19):8240-8249 DOI: 10.31838/jcr.07.19.931.
3. Implementation of Machine Learning Algorithms on CICIDS-2017 Dataset for Intrusion Detection Using WEKA. Shailesh Singh Panwar, Pritam Singh Negi, Lokesh Singh Panwar, **Y. P. Raiwani**, International Journal of Recent Technology and Engineering (IJRTE) ISSN 2277-3878, 8(3):2195, DOI: 10.35940 / ijrte.C4587.098319.
4. Evaluation of Network Intrusion Detection with Features Selection and Machine Learning Algorithms on CICIDS-2017 Dataset, **Raiwani Y.P.**, Shailesh Singh Panwar, Published online by SRRN (Elsevier) SRRN-id3394103, July 2019
5. Impact of Modeling and Simulation for Conductivity Measurements, **Raiwani Y.P.**, R.M. Bhatt, Anunay Gairola, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCE), ISSN (Online):2278: 1021, ISSN (Print): 2319:5940 Vol.5, Issue 7, July 2016.p.p.583-585.
6. "Response of Himalayan Eco-system to Anticipate Climate Change", S.P. Sati and **Raiwani Y.P.**, Journal of Climate Change, Vol. 2, No. 2 (2016), pp. 71–82, DOI 10.3233/JCC-160018,ISSN(print) 2395-7611, ISSN (online) 2395-7697.
7. "Emotion Based Text-Independent Speaker Identification Using Gaussian Mixture Model for Hindi Speech", Sushma Bahuguna, **Raiwani Y.P.**, IFRSA's International Journal Of Computing,ISSN (Print):2231: 2153, ISSN (Online): 2230 :9039, Vol.5. issue2, April 2015.
8. "Estimation of Conductivity of Yba₂Cu₃O₇ Superconductors and Role of Interference Scattering", Rakesh Mohan Bhatt, **Raiwani Yadav Prasad** and Anunay Gairola. ISST Journal of Electrical and Electronics Engineering July-December 2015, Vol.6 No.2 p.p. 93-95.
9. "Data Reduction and Neural Networking Algorithms to Improve Intrusion Detection System with NSL-KDD Dataset", **Raiwani Y.P.**, Shailesh Singh Panwar, International Journal of Emerging Trends & Technology in Computer Science, (IJETTCS),ISSN 2278-6856,Vol. 4. Issue 1, Jan-Feb. 2015, pp. 219-225.
10. "Study of Road Accident patterns in Uttarakhand using K-Means Algorithm", Vol. 4, Issue 3, March 2015pp 250-254, **Raiwani Y.P.**, Pragya Baluni, International Journal of Application or Innovation in Engineering & Management (IJAIEM), ISSN 2319-4847, Vol. 4, Issue 3, March 2015.

11. "Data Reduction Techniques to Analyse NSL-KDD Dataset", Shailesh Singh Panwar, **Raiwani Y.P.**, International Journal of Computer Engineering and Technology (IJCET),ISSN 0976-6367(Print), ISSN 0976 - 6375(Online), Volume 5, Issue 10, October (2014), pp. 21-31.
12. "Research Challenges and Performance of Clustering Techniques to Analyze NSL-KDD Dataset", **Raiwani Y.P.**, Shailesh Singh Panwar, International Journal of Emerging Trends & Technology in Computer Science (IJETTCS), ISSN 2278-6856, Vol. 3, Issue 6, Nov. -Dec.14, pp. 172-177.
13. "Vehicular Accident Analysis Using Neural Network", Pragma Baluni, **Raiwani Y.P.**, International Journal of Emerging Technology and Advanced Engineering (IJETAE), ISSN 2250-2459, Volume 4, Issue 9, September 2014, pp. 161-164.
14. "Extraction of Road Accident Patterns in Uttarakhand using Neural Network". **Raiwani Y.P.**, Pragma Baluni, International Journal of Computer Engineering and Technology (IJCET),ISSN 0976-6367(Print), ISSN 0976 - 6375(Online), Vol. 5, Issue 8, August (2014), pp. 159-168.
15. "A Study of Gender Specific Pitch Variation Patter of Emotion Expression for Hindi Speech", Sushma Bahuguna, **Raiwani Y.P.**, International Journal of Advanced Research in Engineering and Technology (IJARET),ISSN 0976-6480(Print), ISSN 0976 – 6499(Online) Vol. 5, Issue 8, August-14, pp. 47-55".
16. "IPSec Protocol in VPN", **Raiwani Y.P.**, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 3 Issue 1, January 2014.
17. "A Study of Acoustic Features Pattern of Emotion Expression for Hindi Speech", Sushma Bahuguna, **Raiwani Y.P.**, International Journal of Computer Engineering and Technology (IJCET), ISSN 0976-6367(Print), ISSN 0976 - 6375(Online), Volume 4, Issue 6, November - December (2013), pp. 16-24.
18. "Study of Speaker's Emotion Identification for Hindi Speech", Sushma Bahuguna, **Raiwani Y.P.**, International journal of Computer Science and Engineering (IJCSE) ISSN : 0975-3397 Vol. 5 No. 07 Jul 2013,pp 596-601.
19. "Internet of Things: a New Paradigm", **Y.P. Raiwani**, (IJSRP), ISSN 2250-3153 Vol. 3, Issue 4, April 2013.
20. "Hazards and the Security with respect to the Physical Layer in Common Networks", **Raiwani Y.P.**, International Journal of Electronics and Computer Science Engineering. (IJECSSE) ISSN 2277-1956 Vol2 No.1 January 2013 -pp. 257-262.
21. "Network Management, Security & Privacy Issues in E-commerce", **Raiwani Y. P.**, Journal of Information and Operations Management (JIOM) ISSN: 0976-7754 & E-ISSN: 0976-7762, Volume 3, Issue 1, 2012, pp-217-221.
22. "Anharmonicity Effects on Electron Density of States in Low Dimensional High Tc

Superconductors", ISSN 0971-3093 Vol. 13 No.2 (2004) pp. 83-87

23. Electronic heat capacity of crystalline solids, Indian Journal of Pure and Applied, Physics, ISSN: 0975-1041, (Online); 0019-5596 (Print) Vol. 42, April, 2004, pp. 288-293
24. Electron in Anharmonic Phonon fields of Low, Dimensional High Tc Superconductors, Physica(B), ISSN 0921-4526, Vol.223 & 224 (1996).

Conference Paper Published in Journal/Proceedings:

1. Improving the Performance of Classification Algorithms with Supervised Filter Discretization Using WEKA on NSL-KDD Dataset, S S Panwar, **Y P Raiwani** - Advances in Air Pollution Profiling and Control, 217-227(2020) Springer, Singapore.
2. Performance Analysis of NSL-KDD Dataset Using Classification Algorithms with Different Feature Selection Algorithms and Supervised Filter Discretization, Shailesh Singh Panwar, **Y P Raiwani**, Intelligent Communication Control and Devices 497-511(2020) Springer, Singapore.
3. "Automatic Face Naming Using Image Processing: A Review Study Based on Face Name Detection in Images or Videos", by Pragya Baluni, S.K. Verma, **Y.P. Raiwani**, published by Advances in Computing and Data Sciences(Springer Singapore) Pp(357-368)2017.
4. "Digital Libraries: Issues and Challenges" by S.P. Kulshrestha, Lata Nautiyal, **Y.P. Raiwani**, Published in the proceedings of the 2nd All India Conference of Central Government Library Association (CGLA), Published by Indira Gandhi National Forest Academy, Dehradun Uttaranchal(2006) Edited by V.P. Singh,R.K. Sood,A.K. Suman and Ram Niwas.
5. "Microwave Attenuation in Low Dimensional High Tc Superconductors", by **Y.P.Raiwani**, Sanjiv Srivastava, S.C.Gairola, B.D.Indu and M.D.Tiwari. Published in the proceedings of the International conference published by **National Institute of Science Communication New Delhi** (1997) pp 275-278.