CURRICULUM VITAE

Name	:	Rekha Bhatia
Father's Name	:	Late Sh. Kailash Nath Malhotra
Husband's Name	:	Mr. Neeraj Bhatia
Date of Birth	:	July 22, 1971
Address for Correspondence	:	#338,Advocates Enclave, Sector 49A, Chandigarh-160047 Phone: 9718304990 (M)
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Educational Qualifications :

Examination	Name of the Board/University	Year of Passing	Percentage of Marks obtained	Division Class/Grade
Matric	PSEB	1987	84.6%	First/Merit
10+2	PSEB	1989	83.3%	First/Merit
B.Tech (Comp Sc.)	Pbi. Univ. Campus	1993	72.7%	First
M.E (Comp. Engg.)	Thapar University	2004	90% (CGPA 10 on 10 point Scale)	First with Distinction
Ph.D.	Punjabi University, Patiala	2016	**N.A**	**N.A**

Career Profile :

Sr. No.	Name of Organisation / Institution	Period		Designation	Nature of Duties
		From	**To**		
1.	L.C.C. Ludhiana	30.03.94	27.12.94	Sr. Faculty	Teaching
2.	Apparel Export Promotion Council, Ludhiana **(Sponsored by Ministry of Textile)**	28.12.94	03.07.96	Programmer	Programming & Maintenance of S/W.
3.	I.C.L., Jaipur	01.04.98	31.07.98	Faculty	Teaching
4.	Malviya Regional Engineering College, Jaipur	28.08.98	20.03.99	Guest Lecturer	Teaching
5.	Punjabi University, Patiala *i. Worked as Asst. Professor at GTBIT, New Delhi From 1st July, 2008 to 30th April, 2013 on EOL without pay. ii. Hold additional charge as Principal/ Incharge at University College, Ghanaur From 4th May, 2022 to 2nd Dec, 2022*	13.09.2000 13.09.2006 13.09.2011 13.09.2014	12.09.2006 12.09.2011 12.09.2014 Till Date	Lecturer(AGP-6000) Asst. Prof. (Stage-2) Asst. Prof. (Stage-3) Associate Professor	*Teaching*

Research Students :

Name	Topic	Date of Registration	Completion Status
Naveen Kumari	Development of an Efficient Emotion Recognition Technique for Facial Images	13th December, 2017	Completed
Kundan Munjal	Development of Improved Homomorphic Encryption Approach for Predictions in Electronic Health Records	11th September, 2018	Working on last objective
Raj Davinder	Development of a Meta-data Based Approach to Detect Deceptive Web Services Reviews using Machine Learning	5th November, 2018	Working on Pre Submission
Simratjit Kaur (JRF)	Working on Efficient Weapon Detection Technique using Deep Learning	1st March, 2023	Working on first objective
Shweta Gupta (JRF)	Development of an Automatic Hate Speech Detection System using Deep Learning Techniques	24th December, 2022	Working on second objective

Areas of Interest :
Machine Learning, Deep Learning, Object Detection, Information privacy & Security

Major Achievements :
Merit Holder throughout the academic career **with distinctions (Gold Medal** in Punjab School Education Board in Middle standard for securing first position in the state in year 1985)
Special appreciation letter from the **Senate of Thapar Institute of Engg. & Tech, Patiala** for attaining **CGPA 10 on 10 point scale** in M.E for session 2001-02.
Certificate of Recognition from Infosys for outstanding contribution to Campus Connect Program (January to December, 2011).
Certificate of Appreciation from **Guru Gobind Singh Indraprastha University, New Delhi** for guiding the winners of second best project in Inter College Project Competition in year 2013.
Certificate of Appreciation for Exemplary contribution to Education Community from ArdorComm Media Group in New Normal Education Leadership Summit & Awards, 2021.

Selected Publications :
  ❖ K. Munjal and R. Bhatia. "A systematic review of homomorphic encryption and its contributions in healthcare industry." Springer Journal - *Complex & Intelligent Systems* (2022): 1-28. **(SCI Indexed - Impact Factor 6.859)**
  ❖ N. Kumari, and R. Bhatia. "Efficient facial emotion recognition model using deep convolutional neural network and modified joint trilateral filter." Springer Journal - Soft Computing (2022): 1-14. **(SCI Indexed - Impact Factor 3.732)**
  ❖ R. Boparai, and R. Bhatia. "Deceptive Web-Reviews Detection Strategies: A Survey", Inderscience Journal - International Journal of Intelligent Engineering Informatics, Volume 10 Issue 5, (2022) pp 411–433 https://doi.org/10.1504/ijiei.2022.129099. **(ESCI Indexed)**
  ❖ N. Kumari, and R. Bhatia. "Systematic review of various feature extraction techniques for facial emotion recognition system." Inderscience Journal - International Journal of Intelligent Engineering Informatics Volume 9, no. 1 (2021): 59-87. **(ESCI Indexed)**
  ❖ R. Bhatia and M. Singh, "Privacy Aware Access Control: A Literature Survey & Novel Framework" , International Journal of Information Technologies and Systems Approach (IJITSA), IGI Global, 10(2), pp:17-30, 2017, ISSN: 1935-570X|EISSN: 1935-5718 **(ESCI Indexed)**
  ❖ R. Bhatia and M. Singh, "A Novel Trust-Based Privacy Preserving Access Control Framework in Web Services Paradigm", Springer Book Series Advances in Intelligent Systems and Computing, Volume 308, 2014, pp 441-453.
  ❖ R. Bhatia and M. Singh, "Preserving Privacy In Health Care Web Services Paradigm Through Hippocratic Databases", Springer Book Series Advances in Intelligent Systems and Computing, Volume 308, 2015, pp 177-188.

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Other Academic Activities :
  ❖ Life member – Computer Society of India (CSI).
  ❖ Chaired a session in 3rd International Conference on Applications of AI & ML, 2021 at Department of Computer Science & Engineering, Punjabi University, Patiala
  ❖ Served as Resource Person and delivered two lectures on Data Mining at Chaudhary Bansi Lal University, Bhiwani on 22nd November, 2021.
  ❖ Served as Resource Person and delivered a lecture on "Facial Emotion Recognition using Machine Learning Algorithms" at Guru Tegh Bahadur Institute of Technology, New Delhi on 2nd December, 2021.
  ❖ Served as Resource Person and delivered a lecture on "Recent Trends in ICT" in Principals' Online Meet conducted by Department of Higher Education, government of Haryana on 8th April, 2020.
  ❖ Reviewed Papers for IEEE Access Journal, Taylor & Francis Journal of Experimental & Theoretical Artificial Intelligence, Wiley Journal of Public Affairs, Springer Symposium on Security in Computing and Communications (SSCC-2014) and International Conference 0n Intelligent Machines (ICIM'19), March 2019.

Date: 10.5.2023   **Dr. Rekha Bhatia**