

CURRICULUM VITAE

- 1. Name** : Dr. Naveen Kumari
2. Designation : Assistant Professor
3. Department : Computer Science
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Phone: 91-8283813765
5. Language Proficiency : English, Punjabi, Hindi

6. Educational Background:

Examination	University/Board	Year
Ph.D. (Computer Science & Engineering)	Punjabi University, Patiala	2023
M. Tech. (Computer Science & Engineering)	Guru Nanak Dev University, Amritsar	2010
B.Tech (Computer Science & Engineering)	Punjab Technical University, Jalandhar, India	2008

- 7. Research Areas** : Machine Learning, Deep Learning, Image Processing
8. Experience : 12 + Years Teaching and Research

Designation	Institution/University	Nature of Appointment	Date of Joining	
			Joining	Leaving
Assistant Professor	Global Institute for Emerging Technology, Amritsar	Regular	26/7/2010	23/12/2011
Assistant Professor	Punjabi University Regional Centre for IT and Management, Mohali	Regular	26/12/2011	9/07/2021
Assistant Professor	Department of Statistics, Punjabi University, Patiala	Regular	9/07/2021	28/03/2023
Assistant Professor	Punjabi University Centre for Emerging and Innovative Technology, Mohali	Regular	29/03/2023	Till Date

9. Teaching Subjects : Database Management System, Computer Architecture, Computer Networks, Digital Image Processing, Digital Electronics

10.M.Tech Student Thesis : Completed: 20+

11.MCA Student Project : Completed: 20+

12.Sessions Organized:

- Co- Coordinator for 30-Hour Value Addition Program on “Computing in Everyday Life” from 6th May to 6th June 2022 at Department of Statistics, Punjabi University, Patiala.
- Resource person for session on ‘MS-Office Skills’ in 30-Hour Value Addition Program on “Computing in Everyday Life” during May 2022 at Department of Statistics, Punjabi University, Patiala.

13.Membership of the Professional Bodies/Organizations:

- Life member of Computer Society of India (Membership No. 1032230004).
- Membership of International Association of Engineers (IAENG); Membership No: 346702.

14.Selected List of Publications:-

International Journals

Title	Journal Name	Year	Vol_ No	ISSN Number	Issue Number
Saliency Map and Deep Learning based Efficient Facial Emotion Recognition Technique for Facial Images	Multimedia Tools and Applications (SCIE Indexed)	2023	-	1573-7721	-
Deep Learning based Efficient Emotion Recognition Technique for Facial Images	International Journal of System Assurance Engineering and Management (ESCI Indexed)	2023	14	0976-4348	4
Efficient Facial Emotion Recognition Model using Deep Convolutional Neural Network and Modified Joint Trilateral Filter	International Journal of Soft Computing. (SCIE Indexed)	2022	26	1433-7479	16
Systematic Review of Various Feature Extraction Techniques for Facial Emotion Recognition System	International Journal of Intelligent Engineering Informatics (IJIEI) (ESCI Indexed)	2021	9	1758-8723	1
Robotic Control Technique For Hand Gesture Recognition	International Journal of Research in Electronics and Computer Engineering	2016	4	2348-2281	2
Comparison Between	THE RESEARCH	2016	2	2454-4930	3

Artificial Neutral Network With Support Vector Machine of Hand Gesture Recognition	JOURNAL (TRJ): A UNIT OF I2OR				
An Approach of Image Segmentation Technique Using Improved K-Means Clustering Algorithm	IJRECE	2016	4	2348-2281	3
Improved Power Control Load Balancing Multipath Routing Protocol For Wireless Ad-hoc Network	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)	2015	4	2278 – 1323	7
Fusion Of Biometric Trades in Authentication System	International Journal of Advanced Research in Computer Science and electronics Engineering	2015	4	2277-9043	8
An Approach for Video Steganography Using Multiple Least Significant Bits	International Journal of Advanced Research in Computer Science and Software Engineering	2015	5	2277- 128X	8
Review On Various Video Stegnography And Compression Techniques	International Journal of Engineering Research and General Science	2015	3	2091-2730	3
Multimodal Biometric Authentication Using Face, Speech and Fingerprint Feature	International Journal of Advanced Research in Computer Science and Software Engineering	2015	5	2277 128X	8
Comparison of Improved Routing Protocol (IPL_AOMDV) and Existing Routing Protocol (PL_AOMDV) For Wireless Ad-hoc Network	International Journal of Engineering & Computer Science	2015	4	2319-7242	8
Evaluation and Analysis of Active RFID Protocol in Wireless Sensor Networks	International Journal of Innovative Technology and Exploring Engineering (IJITEE)	2014	4	2278-3075	2
An Approach to Enhance the Energy Efficiency of RFID Protocol using NTP Protocol	International Journal of Computer applications	2014	98	0975-8887	18
Three-Tier Confidentiality Framework for Cloud Data Security and Integrity	International Journal of Advanced Research in Computer Science and Software Engineering	2013	3	2277 128X	9
Detection and Prevention Algorithms of DDOS Attack	International Journal of Advanced Research in	2013	3	2277 128X	8

in MANETs	Computer Science and Software Engineering				
Effects of DDoS Attack in Mobile Ad-Hoc Network using Various Protocol	International Journal of Advanced Research in Computer Science and Software Engineering	2013	3	2277 128X	9
A Comparative Performance Evaluation of Distributed Load Balancing Algorithms in Cloud Computing	International Journal of Advanced Research in Computer Science and Software Engineering	2013	3	2277 128X	9
Performance Evaluation of Cost-Time Based Workflow Scheduling Algorithms in Cloud Computing	International Journal of Advanced Research in Computer Science and Software Engineering	2013	3	2277 128X	9
A Review of ROQ Attacks in Internet	International Journal of Computer Science and Mobile Computing	2013	2	2320–088X	8

15. Book Chapters

1. Kumari N and Bhatia R. (2020) Comparative Study and Analysis of Various Facial Emotion Recognition Techniques. In: Kapur P., Singh G., Klochkov Y., Kumar U. (eds) Decision Analytics Applications in Industry. Asset Analytics (Performance and Safety Management). Springer, Singapore. https://doi.org/10.1007/978-981-15-3643-4_11.
2. Kumari, Naveen and Bhatia Rekha (2021) A brief overview of facial emotion recognition system. Conference: International Conference on Applications of AI and Machine Learning, Punjabi University Patiala, pp: 97-102, ISBN: 978-81-941048-7-2.

16. International Conferences Attended

1. International Conference on Applications of AI and Machine Learning, Punjabi University Patiala.
2. 9th International Conference on Quality, Reliability, Infocom Technology and Business operations.
3. 2nd International Conference on Recent Trends in Engineering, Technology and Business Management(ICRITETBM 2023).

17. Academic Staff College Orientation/Refresher Course Attended

Name of the Course	Place	Duration	Sponsoring Agency
1. Orientation Course(GOC-93)	GNDU, Amritsar	11/12/2013 To 07/01/2014	UGC Sponsored
2. Refresher Course	GNDU, Amritsar	25/11/2014 To 15/12/2014	UGC Sponsored
3. TEQIP-II Sponsored short Term Course	Beant college of Engineering and Technology, Gurdaspur	10/02/2014 to 14/02/2014 (one week)	TEQIP-II
4. Short Term Course	NITTTR, Chandigarh	18/4/2016 to 22/4/2016 (one week)	AICTE
5. Short Term Course	NITTTR, Chandigarh	22/5/2017 to 26/5/2017 (one week)	AICTE
6. Refreshers Course	NITTTR, Chandigarh	22/07/2020 to 5/08/2020 (15 days)	AICTE
7. Capacity Building Program for online teaching	Punjabi University Patiala	25-07-2020 to 26-07-2020 (2 days)	
8. Refresher Course	Teaching Learning Centre, Ramanujan college University of delhi	22-12-2022 to 05/01/2023	Ministry of Education
9. Faculty Development Programme	Teaching Learning Centre, Ramanujan college University of Delhi	12/12/2022 to 18/12/2022	Ministry of Education

(NAVEEN KUMARI)