




# P.E.S. College of Engineering, Mandya - 571401

(An Autonomous Institution, affiliated to VTU, Belagavi)

## Faculty Profile

### General

Name	Dr H P Mohan Kumar	
Designation,	Professor	
Department & Affiliated Institution	Computer science and Engg P.E.S. College of Engineering, Mandya – 571 401	
Research Area	Computer Vision and Pattern Recognition	
Contact Number	+91 9448554113, 8310170137	
Email ID	<a href="mailto:mohankumar@pesce.ac.in">mohankumar@pesce.ac.in</a> , mohanhallegere@gmail.com	

### Academic Profile

#### Educational Qualifications

Degree	College	University	Year of Passing	%ge	Class
Ph. D	University of Mysore	Mysore	2015		Awarded
M. Sc Tech			2009	76.54	First Class with Distinction
MCA.	P.E.S. College of Engineering, Mandya		1998	65.49	First Class

#### Professional Experience

Organization and Department	Designation	Period	Total Experience
P.E.S. College of Engineering, Mandya (Dept. of Computer science and Engg)	Professor	2015 onwards	9
	Assistant Professor	2007 to 2015	8
	Lecturer	2000 to 2007	6 Years

#### Research Guidance (Candidates Awarded / Pursuing Ph.D / M.Sc., Engg./ M.Phil)

Degree	Ph. D.	M.Sc., Engg.	M.Phil
Awarded	Nil	Nil	Nil
Pursuing	03	Nil	Nil

#### Sponsored Research Projects (List of Projects taken up /completed and funds receiver & funding sources)

Project Title	Project Funded by	Grants Sanctioned	Grants Received
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#### Research Publications in Refereed Journals and Conferences/Symposia

Number of Publications in	National	International
Journals	-	32
Conferences / Symposia	03	06

#### Other Important Responsibilities Held in the College

1. NAAC, NBA (Criteria 1) committees report generation and overall coordination	5. Students mentoring
2. Head of the department in MCA	
3. BoS chairman and BoE Member	
4. Conduction of workshops and technical talks	

# LIST OF PUBLICATIONS

## List of International Journals

1. Harshitha M P, Meghana N, h p Mohan Kumar, “Plant Leaf Disease Detection using Deep Learning”, IJARCCCE, VOL 12, Issue 6, June 2023, ISSN 2319-5940, pp 242-249.
2. Ananthakrishna H R, Niveditha H D, H P Mohan Kumar, “MushRoom Classification”, IRJMETS, International journal of Modernization in Engg Technology and Science Vol 05, Issue 6, June 2023, ISSN 2582-5208, pp 14955-14961.
3. Veda Yashas P, Madhuneela N R, Ganashree, H P Mohan Kumar, “Real Time Emotion based Music Player”, IJISRT, International journal of Innovative science and Research Technology ISSN 2456-2165, VOL 8, ISSUE 6, June 2023.
4. Sahana Ramesh and H P Mohan Kumar, “Hand Gesture Reconigition for Physically challenged”, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCCE), Volume 11, Issue 7, ISSN: 2319-5940, pp. 109-114. July 2022, **Impact Factor 7.39**.
5. Akshatha Ravi and H P Mohan Kumar, “Image object detection and video caption generation”, International Journal of Advanced Research in Computer and Communication Engineering (IJARCCCE), Volume 11, Issue 7, ISSN: 2319-5940, pp. 140-144. July 2022, **Impact Factor 7.39**.
6. Sarvesh Ganesh Hegde and H P Mohan Kumar, “Packet Inspection to Identify Network Layer attacks” International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE), Volume 10, Issue 7, ISSN: 2321-5526, pp. 47-50. July 2022.
7. Nagarjun H M and H P Mohan Kumar, “Stock Price Forecasting Using LSTM Algorithm” IJSART, Volume 8, Issue 7, ISSN: 2395-1052, pp. 226-230. July 2022.
8. Mahananda and H P Mohan Kumar, “Identification and Recognition of Banana Phases using Deep Learning” IJSART, Volume 8, Issue 7, ISSN: 2395-1052, pp. 231-235. July 2022.
9. Sarvesh Ganesh Hegde, Rashmi Ranjan Pradhan and H P Mohan Kumar, “Emergency Assistance” International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJIREEICE), Volume 10, Issue 1, ISSN: 2321-5526, pp. 62-65. January 2022. **Impact Factor 7.047**.
10. Lathashree S V and H P Mohan Kumar, “Brain size analysis system using machine Learning”, International Research Journal of creative Research Thoughts (IJCRT), Volume 9, Issue 8, ISSN: 2320-2882, pp. a179-a185. August 2021.
11. Chalciya Elizabeth Rani P and H P Mohan Kumar, “Facial Emotion Detection using Keras”, International Research Journal of Engineering and Technology (IRJET), Volume 8, Issue 5, ISSN: 2395-0056, pp. 832-837. May 2021.
12. Praveen Kumar A M, H P Mohan Kumar “Data Content Verification for Effective Cloud Storage”

International Journal of Engineering Research & Technology (IJERT), Vol 10, issue 07, July 2021, ISSN: 2278-0181 pp 649-653.

13. Chalciya Elizabeth Rani P and H P Mohan Kumar, "Rainfall Rate Prediction Built On ANN", Journal of Emerging Technologies and Innovative Research (JETIR), Volume 8, Issue 8, ISSN: 2395-0056, pp. b140-b146 August 2021.
14. Rajath B Bhat and H P Mohan Kumar, "Anomaly Detection in Fraudulent transaction of Crypto Currency", Dogo Rang sang Research Journal (DRSR), Volume 10, Issue 8, ISSN: 2347-7180, pp., **Impact factor : 7.12**, August 2020.
15. Swathi H C, H P Mohan Kumar, "Secure Bank Transaction Using Blockchain", International Research Journal of Engineering and Technology (IRJET), Volume 7, Issue 8, ISSN: 2395-0056, pp. 2395-2397. August 2020.
16. Vishwas Prakash. R and Mohan Kumar H P, " Fingerprint Liveness Detection by a Testing and Trained Data using Convolutional Neural Network", International Journal of Engineering Research and Technology (IJERT), Volume 8, Issue 14, ISSN : 2278-0181, pp: 107-109, special issue 2020.
17. Dhanuja K C, Hitaishe Datta B, Harshitha R and Mohan Kumar H P, "Sky Shield: A Sketch-Based Safeguarding Opposed to Application Layer DoS Attacks", International Journal of Engineering Research and Technology (IJERT), Volume 10, Issue 2, ISSN : 2321-0869, pp: 12-15, February 2020.
18. Rashmi K and H P Mohan Kumar, "Block Design Key for Secure Data sharing in Cloud Computing", International Journal of Scientific Research in Computer Science and Information Technology (IJSRCSEIT), May-June 2019, IJESC - Volume 5, Issue 3, pp: 369-374, ISSN : 2456-3307.
19. Kiran Dikshit Menon A and H P Mohan Kumar, "Secure Paper Publication Using Data Mining", International Journal for Engineering Science and computing (IJESC), May 2019, Volume 9, Issue 5, pp: 22516-22519, ISSN : 2250-1371.
20. Pradeepa M and H P Mohan Kumar," Face Detection and Recognition for Automatic Attendance System Using Artificial Intelligence Concept", International Journal for Engineering Science and computing (IJESC), May 2018, Volume 8, Issue 5, pp: 17727-17730, ISSN : 2321-3361.
21. Darshan Kumar G B and H P Mohan Kumar," Online Verification of Caste Certificate", International Journal of Scientific Research in Computer Science, Engineering and Information Technology", May-June 2018, IJSRCSEIT - Volume 3, Issue 5, pp 847-850, ISSN: 405-409.
22. Rochana G S and H P Mohan Kumar," Integrated Utility System", International Journal of Scientific Research in Computer Science, Engineering and Information Technology", May-June 2018, IJSRCSEIT, Volume 3, Issue 5, pp: 977-979, ISSN: 2456-3307.
23. Mouneshwara and H P Mohan Kumar," Decentralised Disruption Tolerant Military Network", International Journal of Scientific Research in Computer Science, Engineering and Information Technology", 2017, IJSRCSEIT - Volume 2, Issue 3, pp: 847-850, ISSN: 2456-3307.

24. Spoorthi and H P Mohan Kumar, "A Probabilistic Approach for Identifying Faulty Node in Mobile Wireless Network", "International Journal for Science and Advance Research In Technology", IJSART, Volume 3, Issue 6, JUNE 2017, pp 2395-1052, ISSN: 2395-1052.
25. Maithra Shree R and H P Mohan Kumar, "Bus Arrival Time Prediction System Based on Participatory Sensing With Smart Phone", International Journal for Engineering Science and computing", IJESC, Volume 7, Issue 6, JUNE 2017, pp: 13133-13136, ISSN: 2321-3361.
26. Darshan K and Mohan Kumar H P, "Advance Entity Linking with a Knowledge Base", "*International Journal of Engineering & Computer Science*", IJECS, Volume 5, Issue 6, June 2016, pp: 17013-17016, ISSN: 2319-7242.
27. Avinash and Mohan Kumar H P, "Design and Implementation of Email Templates for mailbox provider", International Journal of Combined Research & Development (IJCRD), Volume 5, Issue 6, June 2016, pp: 726-728, ISSN: 2321-2241.
28. Shreevalli P and Mohan Kumar H P, "An Efficient Technique to find out Origin Fraudulence and Packet Discard Attacks in Sensor Network", "International Journal of Engineering and Technical Research (IJETR)", Volume 5, Issue 2, June 2016, pp: 55-58, ISSN: 2454-4698.
29. Mohan Kumar H P and Nagendraswamy H S, "Fusion of silhouette based gait features for gait Recognition," "*International Journal of Engineering & Technical Research*", IJETR, Volume 02, Issue 08, August 2014, pp: 101-107, ISSN: 2321-0869.
30. Mohan Kumar H P and Nagendraswamy H S, "Symbolic Representation and Recognition of Gait: An Approach based on LBP of split Gait Energy Images," *Signal and Image Processing: An International Journal (SIPIJ)*, Volume 05, Issue 4, August 2014, pp: 15-28.
31. Mohan Kumar H P and Nagendraswamy H S, "Change Energy Image for Gait Recognition: An Approach based on Symbolic Representation," *International Journal of Image, Graphics and Signal Processing (IJIGSP)*, Volume 6, Issue 4, pp: 1-8, March 2014.
32. Mohan Kumar H P and Nagendraswamy H S, "Gait Recognition Based on Symbolic Representation," *International Journal of Machine Intelligence*, Vol. 3, Issue 4, December 2011, pp: 295-301, ISSN: 0975-9166.

### **List of National Conferences**

1. Vishwas Prakash R, H P Mohan Kumar "Fingerprint Liveness Detection by a Testing and Trained Data using Convolutional Neural Network", 1<sup>st</sup> National Conference on Emerging Trends in Engineering Science for Future Technology (NCETESFT-2020), held at Sri Siddhartha Institute of Technology on August 5<sup>th</sup> 2020.
2. Mohan Kumar H P, "Governing Software Process", Two day National level Conference on "Current Trends in e-Governance" organized by Department of Computer Science and Commerce and

Management, Govt College(Autonomous), Mandya in association with Centre for e-Governance, Bengaluru on 15<sup>th</sup> & 16<sup>th</sup> February 2020.

### **List of International Conferences**

1. B R Prakash, K V Nagaraja, H P Mohan Kumar, “Streaming Analytics for Shipment Monitoring System” International Conference on Futuristic Technologies (INCOFT)” IEEE, DOI: 10.1109/INCOFT55651.2022.10094393 pp. 1-4, 2022.
2. Shalini Patel, H P Mohan Kumar, “Soil Quantity Identifying and Monitoring Approach for Sugarcane Using Machine Learning Techniques” Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT), Publisher: IEEE, 2022.
3. Reshma S G, H P Mohan Kumar, Manu A G “Smoke Test Execution in Software Application Testing” Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT), Publisher: IEEE, 2022.
4. Mohan Kumar H P and Nagendraswamy H S, 2014. LBP for Gait Recognition: A Symbolic Approach Based on GEI plus RBL of GEI, 978-1-4799-2321-2/14 IEEE.
5. Mohan Kumar H P and Nagendraswamy H S, 2013. Gait Recognition: An Approach Based on Interval Valued Features, 978-1-4673-2906-4/13 IEEE.
6. Mohan Kumar H P and Murali S, 2009. Handwritten Document Compression, Proceedings of the Second International Conference on Signal and Image Processing (ICSIP-2009).