

Dr. Ravi Kumar Chandu

Designation: Associate Professor

Education: B.Sc.(M.S.Cs), M.Sc(CS), M.Tech(CSE), Ph.D(CSE)

ravikumarchandu@kaveriuniversity.edu.in

Research Articles Published

- Aarsh M, Anil Pal, Ravi Kumar Chandu, Prabir Das, Sushil Dixit, B Mamatha, Preeti Rathi. *Fairness Focused Congestion Detection and Prevention Using Probabilistic Algorithm in WSN Protocols*. Smart Innovations in Systems, Infrastructure, Mechanical, Power, AI & Computing Technologies (SISIMPACT 2025), November 2025.
- L. C. Kasireddy, S. Paruchuri, C. Janakamma, A. Sarawat, K. C. Ravi and R. Kumar Chandu. *Cloud-Oriented IoT: Distributed Power-Aware Security Scheme with Data Integrity and Performance Enhancement*. 2025 World Skills Conference on Universal Data Analytics and Sciences (WorldSUAS), Indore, India, 2025, pp. 1-6, doi: 10.1109/WorldSUAS66815.2025.11199185.
- Raheem Unissa, V. Sathya Priya, Ravi Kumar Chandu, K. Venkata Balamurali Krishna, N. Swathi, M. Ganesh; *Identification and detection of DDOS attacks for network issues using machine learning*. AIP Conf. Proc. 30 September 2025; 3342 (1): 030055, <https://doi.org/10.1063/5.0296678>.
- K.S. Kannan, A. Lakshmi Bhargav, A. Anil Kumar Reddy, Ravi Kumar Chandu *A Constructive Feature Grouping Approach for Analyzing the Feature Dominance to Predict Cardiovascular Disease*. International Conference on Communications and Cyber Physical Engineering (ICCCPE 2018), Springer Nature Singapore, pp. 645–656, March 2023.
- S. Gunasekaran, D. Palanivel Rajan, Ravi Kumar Chandu, N. Aswin Deepak, Lydia Benadict. *A Realistic Farming Simulator Inspired from Agricultural Style of India* ICCCE 2021, Springer Nature Singapore, pp. 477–489, May 2022.
- K. Vijaya Babu, Mrutyunjaya S. Yalawar, G. Sumalatha, G. Ramesh Babu, Ravi Kumar Chandu. *An Overview of Various Security Issues and Application Challenges of the Attacks in Field of Blockchain Technology*. ICCCE 2021, Springer Nature Singapore, pp. 365–374, May 2022.
- Ravi Kumar Chandu, V. Sathiya Suntharam, Ch. Sirisha. *A Secure Pre-existing Routing Technique for Enhanced Protection in MANETs*. ICCCE 2020, Springer Nature Singapore, pp. 337–346, October 2020.
- V. Sathiya Suntharam, Ravi Kumar Chandu, D. Palanivel Rajan. *Robust Multimodal Biometric Recognition Based on Joint Sparse Representation*. ICCCE 2020, Springer Nature Singapore, pp. 265–274, October 2020
- S. Ravi, V. Sathiya Suntharam, Ravi Kumar Chandu. *Wavelet-Based Feature Extraction and T-Set Evaluation for Automatic Brain Tumor Detection and Classification*. ICCCE 2020, Springer Nature Singapore, pp. 275–285, October 2020. DOI: 10.1007/978-981-15-7961-5_27.
- V. Sathiya Suntharam, Ravi Kumar Chandu, S. Anitha. *Resolution of Multi-Party Security Clashes in Social Networking*. IJITEE, Vol. 8, Issue 11S2, pp. 100–104, September 2019.

- V. Sathiya Suntharam, Sheo Kumar, Chandu Ravi Kumar. *Research Method of Data Deduplication Backup System*. International Journal of Innovative Technology and Exploring Engineering (IJITEE), Vol. 8, Issue 11S2, pp. 95–99, September 2019
- Dr. M. Ekambaram Naidu, Ravi Kumar Chandu. *A Complementary Review on Various Content-Based Image Retrieval System Techniques* International Journal of Scientific Research in Computer Science, Engineering and Information Technology (IJSRCSEIT), Vol. 2, Issue 3, pp. –, 2017. ISSN: 2456-3307.
- Dr. M. Ekambaram Naidu, Ravi Kumar Chandu. *An Efficient Perceptual of Content Based Image Retrieval System Using SVM and Evolutionary Algorithms* International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRSCE), Vol. 3, Issue 11, pp. 272–278, November 2017.
- Dr. M Ekambaram Naidu, Ravi Kumar Chandu. *Content Based Image Retrieval System Using SVM Classification and Evolutionary Algorithms* International Journal of Computer Science and Mobile Applications, Vol. 5, Issue 10, October 2017.
- Ravi Kumar Chandu, Dr.M.Ekambaram Naidu. *Content Based Image Retrieval – An Experimental Survey With Deep Learning Procedures*. International Journal of Computer Engineering & Applications, July 2017.
- Ravi Kumar Chandu, Dr.M.Ekambaram Naidu. *Experimental Analysis of Deep Learning CBIR Scheme With SVM Principles*. SSRG International Journal of Computer Science and Engineering (Special Issue - ICRTESTM), April 2017.
- Ravi Kumar Chandu, Dr.M.Ekambaram Naidu. *Energetic Content Based Image Retrieval Scheme Using Deep Learning Procedures* International Journal of Research, December 2016.
- Ravi Kumar Chandu, Dr.M.Ekambaram Naidu. *Effective Analysis of Content Based Image Retrieval and Its Principles*. International Journal of Innovative Research in Science, Engineering and Technology, July 2016.
- Ms. Ishrath Shireen, Mr. Ravi Kumar Chandu. *A Hybrid Approach to Web Service Recommendation Based on QoS-Aware Rating and Ranking*. 2nd National Conference on Developments, Advances & Trends in Engineering Science (NC-DATES-2016), IJMER, pp. 44–49, January 2016.

Book Chapters

- Dr.Sheo Kumar, Dr.Rajesh Kumar Verma, Dr.Ravi Kumar Chandu, Dr.Praveen Chouksey. *Data Mining*, ISBN: 978-93-6492-388-0, Published by SK Research Group of Companies, January 2026.
- Dr.Ravi Kumar Chandu, Dr.Rajesh Kumar Verma, Dr.Rajesh Tiwari, Dr.Praveen Chouksey. *Cryptography in Network Security and Secure Communication*, ISBN: 978-93-6348-538-9, Published by Leilani Katie Publications and PRESS, October 2025.
- Dr. Madhavi Pingili, Dr. Ravi Kumar Chandu. *Programming for Problem Solving*, ISBN: 978-81-954871-8-9, Published by Skytech Publishers, February 2022.

