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Research ID's:
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2. Google Scholar: https://scholar.google.com/citations?user=Nt1nI4EAAAAJ&hl=en.
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Journal Papers Published:

1. Dr. Vijaya Kumar H R, Ramesha T S, Shankargoudapatil, Tejaswini P, Aishwarya, Basavaraj B, "Terra Hydro Sense for Soil Dryness Estimation", International Journal of Scientific Research in Engineering and Management (IJSREM), Volume No. 09, Issue No. 05, ISSN: 2582-3930, 2025, Page No. 1-5, 2025,   DOI: http://doi.org/10.55041/IJSREM48408.

2. Vijaya Kumar Hemapura Ramakrishnaiah, Harish Lakshmappa, Bharathi Gururaj, Ramesha Muniyappa, Pavan Godekere Siddaramaiah, Nagesh Hunnigere Bylamurthy," A novel smart irrigation framework with timing allocation using solenoid valves and Arduino microcontroller*",* International Journal of Reconfigurable and Embedded Systems (IJRES), Volume No. 3, Issue No. 2, Page No. 758-766, 2024, DOI: http://doi.org/10.11591/ijres.v13.i3.pp758-766.

3. Dr. Vijaya Kumar H R, Pavan Kumar G S, Ramesha T S, Shasheel K J, Kasturi H, "Low Light Face Image Enhancement using Modified Histogram Equalization Techniques" OEIL RESEARCH JOURNAL, Volume No. 22, Issue No. 11, Page No. 5-12, 2024, DOI: https://doi.org/10.5281/zenodo.14041435.

4. Dr. Vijaya Kumar H R, Pavan G S, Ramesha T S, Pradeep Kumara V H, Vinod, S Venu, Rakshita P, "Systematic Metropolitan Automated Response Technology for Flood Level Observation & Safety System", GRADIVA Review Journal, Volume No. 11, Issue No, 22, Page No. 109 – 114, 2024, DOI: 10.37897.GRJ.2023.V10I10.24.5140783.

5. Dr. Vijaya Kumar H R, Sushma H M, Vamshi P R, Priyanka H, Gagangowda, "Water Quality Estimation using MATLAB in Image Processing Domain", BULLETIN FOR TECHNOLOGY AND HISTORY(BTH), Volume No. 24, Issue No. 11, 2024, DOI:10.37326/bthnlv24.11/1848.

6. Vijaya Kumar H R, Mathivanan M, "A novel hybrid biometric software application for facial recognition considering uncontrollable environmental conditions", Healthcare Analytics, 100146, Volume No. 3, Page No. 1-11, 2023, DOI: https://doi.org/10.1016/j.health.2023.100156.

7. Chaitra B M, Vijay Kumar H R, Pavan G S, "Suspicious Action Detection and Recognition in Remote Areas Using AI and ML Techniques", International Journal Of Advance Research And Innovative Ideas In Education, Volume No. 9, Issue No. 4, Page NO. 2449 – 2457, 2023, URI:https://ijariie.com/AdminUploadPdf/Suspicious_Action_Detection_and_Recognition_in_Remote_Areas_Using_AI_and_ML_Techniques_ijariie21374.pdf.

8. Vijaya Kumar H. R., M. Mathivanan, "A novel hybrid face recognition framework based on a low-resolution camera for biometric applications", Indonesian Journal of electrical engineering and computer science, Volume No. 24, Issue No.4, Page No. 853-863, 2021, DOI: http://doi.org/10.11591/ijeecs.v24.i2.pp853-863.

9. Vijaya Kumar Hemapura Ramakrishnaiah, Murugavelu Mathivanan, " A Novel Face Biometric Framework based on Various Levels of Distinctions of Faces " International Journal of Intelligent

Engineering and Systems, Volume No. 15, Issue No.3, Page No. 478 - 487, 2022, DOI: 10.22266/ijies2022.0630.40.

International Conference Papers Published:

1. Kamaraj A, Vijaya Kumar H R, P Vishnu Prasanth, Ritam Dutta, Bhaskar Roy, Prabal Chakraborty, "FPGAs as Hardware Accelerators in Data Centers: A Survey From the Data Centric Perspective", IEEE International Conference on 2024 2nd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT), Page No. 574-579, 2024, **DOI:** 10.1109/DICCT61038.2024.10533053.

2. Vijay Kumar H R, Hamsalekha N P and Anil Kumar D, "Image Enhancement and Parameter Evaluation Schemes: A Review", Grenze International Journal of Engineering and Technology, June Issue, Grenze ID: 01.GIJET.10.2.993, Page No. 848-850, 2024, DOI: 10.5281/ZENODO.14041434.

3. Vijaya Kumar H R; Mathivanan M, "A Survey on Recent Techniques in Face Recognition for Various Databases", 2021 10th IEEE International Conference on Communication Systems and Network Technologies (CSNT), 2021, DOI: https://doi.org/10.1109/CSNT51715.2021.9509641.

Patents Published:

1. Mobile device charging system with adaptive solar panel using artificial intelligence. Publication Number: 202441049571, 28/06/2024.

2. IOT Based Intelligent smart home for elderly people and voice assisted security system with facial recognition: Publication Number: 202441049918, 05/07/2024.

Technical Papers Presented:

1. "An Intelligence Electronic Travelling Aid For The Blind People", (National Conference)
2. "Study of GPON technologies" (National Conference).
3. "Information security using RS FEC encoder" (National Conference).
4. "High speed optical network technology" (National Conference).
5. "Security in optical fiber communication using RS FEC encoders" (National Conference).
6. "Smart Tech Helmet", (National Conference).