

## **Annexure I**

Name : Dr.M.Ponni Bala  
Designation : Associate Professor  
Department : Electronics and Instrumentation Engineering  
Address : Kongu Engineering College,  
Perundurai,  
Erode-638 060, Tamilnadu, India  
Phone : +91-04294-226550  
Mobile : +91 9843999554  
E-mail : ponnibala@kongu.ac.in

### **Research Publications: 12**

1. Keerthanashree T & Ponni Bala, M Extraction of Retinal Features in Fundus Images for Glaucoma Diagnosis, Journal of Current Trends in Information Technology, vol.6 no.1, pp.1-9, March 2016.
2. Ponni Bala, M & Sivachitra, M Automated Diagnostic System for Grading of Diabetic Retinopathy Stages from Fundus Images using Texture Features, International Journal on Recent and Innovation Trends in computing and communication, vol.4, no.6, pp.48-53, June 2016.
3. Amarnath Kumaran A & Ponni Bala M Three Element Boiler Drum Level Control Using Cascade Controller, International Journal of Research in Applied Science & Engineering Technology, Vol. 06, No.3, pp.2835-2838, March 2018.
4. Sheik Davood K & Ponni Bala M Similarity Identification of an Image using Various Filtering Techniques, International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume-8, Issue-6S3, pp.221-223, April 2019. (*B Impact Factor: 5.54 / Scopus Journal*)
5. Ponni Bala M, Keerthanashree T & Sheik Davood K Retinal Nerve Fibre Layer Segmentation and Extraction of Retinal Features for Diagnosis of Glaucoma in OCT Images, International Journal of Recent Technology and Engineering, Volume-7, Issue-6S4, pp.574-576, May 2019. (*B Impact Factor: 5.92 / Scopus Journal*)
6. E. B. Priyanka, C Maheswari, M Ponni Bala, S Thangavel, Local intelligence for remote surveillance and control of flow & pressure in fluid transportation system, Advances in Systems Science and Applications, Vol.19, No. 03, pp. 140-162, October 2019. (*Scopus Journal*)
7. Ponni Bala M, Dharanidharan M, Janani K, Kalaiabumani S, Magima Shree S, Automatic Vehicle Washing System using Programmable Logic Controller, International Journal of Scientific and Technology Research, vol.9, no.2, pp: 1568- 1571, February 2020. (*Scopus Journal*)

8. Aravind C, Suji Prasad S J, Ponni Bala M, Remote Monitoring And Control of Automation System With Internet of Things, International Journal of Scientific and Technology Research, vol.9, No.1, pp: 945-949, January 2020. (*Scopus Journal*)
9. E. B. Priyanka, C Maheswari, S Thangavel, Ponni Bala M, Integrating IoT with LQR-PID controller for online surveillance and control of flow and pressure in fluid transportation system, Journal of Industrial Information Integration, vol.17, February 2020. <https://doi.org/10.1016/j.jii.2020.100127> , (*SCI Journal*)
10. Sivachitra M, Keerthika P, Vadivel P, Ponni Bala M, Eye state EEG signal classification using Semi-Supervised and Unsupervised Extreme Learning Machine, Gedrag & Organisatie Review - ISSN:0921-5077, vol.33, no.2, pp 935-941, May 2020. (*Scopus Journal*)
11. K.Sheikdavood, A.Manikandan, Dr.M.Ponni Bala, A.Niranjana, Motion Detection Using Convolutional Networks for Smart Gadgets, Journal of Xidian University, <https://doi.org/10.37896/jxu14.5/317>, Vol. 14, No. 5, 2020, pp:2789- 2894. (*Scopus Journal*)
12. Ponni Bala M, Maheswari C, Janani K, Magima Shree S, Kalaianbumani S, Dharanidharan M, Automation of Hardwood Final Tower Dilution in Pulping Process Using Distributed Control System, Gedrag & Organisatie Review - ISSN:0921-5077, vol.33, no.2, pp 2677-2686, June 2020. (*Scopus Journal*)

### **Books Published**

1. K.Krishnaswamy, M.Ponni Bala, Power Plant Instrumentation, First Edition, Prentice Hall of India Private Limited, 2010.
2. K.Krishnaswamy, M.Ponni Bala, Power Plant Instrumentation, Second Edition, Prentice Hall of India Private Limited, 2013.