



Dr Rangaswamy Y

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Phone: 080-23211232, 9986496064

Address: Bengaluru ,Karnataka,India - 560056

Expertise

Electrical and Electronic Engineering

Signal processing; Image processing; Biometrics

Work experience

1. Dr Ambedkar Institute of Technology, Bengaluru 2018 — Present

Assistant Professor
Bengaluru

2. Alpha College 2017 — 2018

Head of the Department
Bengaluru

3. Alpha College 2008 — 2017

Assistant Professor
Bengaluru

Education

1. Ph.D - 2018

JNTUA

2. M.E. - 2008

Bangalore University

3. B.E. - 2004

Siddaganga Institute of Technology

Honours and Awards

1. Best Project of the year - 2022

KSCST

Research Project

IOT based Remote electronic Voting System using AADHAR & Dual Biometric Authentication

Role: Guide

Year 2021, Amount 6000

Membership In Professional Bodies

1. Indian Society for Technical Education, 2020

Lifetime Member

Membership In Committees

1. IEEE international conference on Electronics, Communication, Computing and Intelligent information systems at BIT, 2023

Reviewer

2. IEEE international conference on Distributed Computing and Electrical Circuits and Electronics , IEEE Bangalore Section, 2023
Reviewer
3. Bangalore University BOE, 2020
Member

Publication

1. **Arduino Based Smart and Remote Voting System with Smart Card Implementation and Dual Biometric Authentication**
Suraj H P , Skanda G , Shobith G B , Srikanth P S , Rangaswamy Y
International Journal for Research in Applied Science & Engineering Technology (IJRASET), Volume 10, Year 2022, Pages
2. **Li-Fi Technology Based Patient Health Monitoring and Tracking System**
G Venkatesha, S Dinesh, M Manjunath, KB Raja, Y Rangaswamy
An International Journal on Perspectives in Communication , EmbeddedSystems and SignalProcessing (PiCES), Volume 5, Year 2021, Pages 22-26
3. **Energy Generation Through Footsteps Using Piezo Electric Sensors**
Dr. Rangaswamy Y
International Journal of Research Publication and Reviews, Volume 2, Year 2021, Pages 312-315
4. **Straight-line fusion based IRIS recognition using AHE, HE and DWT**
Rangaswamy Y.;Raja K.
Proceedings of 2016 International Conference on Advanced Communication Control and Computing Technologies, ICACCCT 2016, Volume , Year 2017, Pages 228-232
5. **IRHDF: Iris Recognition using Hybrid Domain Features**
Arunalatha J.S.;Rangaswamy Y.;Shaila K.;Raja K.B.;Anvekar D.;Venugopal K.R.;Iyengar S.S.;Patnaik L.M.
12th IEEE International Conference Electronics, Energy, Environment, Communication, Computer, Control: (E3-C3), INDICON 2015, Volume , Year 2016
6. **The Biometric Algorithm based on Fusion of DWT Frequency Components of Enhanced Iris Image**
Rangaswamy, Y.; Raja K.B.
International Journal of Image Processing, Volume 10 (1), Year 2016, Pages 22-37
7. **Iris Recognition based on Translation of Iris Templates, AHE, HE and Gabor Wavelet Filter**
Rangaswamy, Y.; Raja K.B.
International Journal of Computer Science and Network, Volume 5 (5), Year 2016, Pages 842-853

8. Straight-line Fusion based Iris Recognition using AHE,HE and DWT

Rangaswamy Y and Raja K B

IEEE International Conference on Advanced Communication, Control and Computing Technologies,
Volume , Year 2016, Pages 1-5

9. FRDF: Face Recognition using Fusion of DTCWT and FFT Features,

Rangaswamy, Y.; Raja, K.B.; and Venugopal, K.R.

Eleventh International Multi-Conference on Image and Signal Processing, Proccedia of Computer Science and Elsevier, Volume , Year 2015, Pages 809-817

10. FRDF: Face Recognition Using Fusion of DTCWT and FFT Features

Rangaswamy Y.;Raja K.;Venugopal K.

Procedia Computer Science, Volume 54, Year 2015, Pages 809-817

11. Face Recognition based on Oriented Complex Wavelets and FFT

Y Rangaswamy, K B Raja and K R Venugopal

International Journal of Computer Applications, Volume 119, Year 2015, Pages 27-34

12. An OLBP Based Transform Domain Face Recognition,

Rangaswamy, Y.; Raja, K.B.; Venugopal, K.R.; and Patnaik, L.M.;

International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, ,
Volume 3 (1), Year 2014, Pages 6851-6868.

13. Face Recognition using Transform Domain Texture Features, Proceedings of SPIE

Rangaswamy, Y.; Ramya, S.K.; Raja, K.B.; Venugopal, K.R.; and Patnaik, L.M

Sixth International Conference on Machine Vision, Volume , Year 2013, Pages 1-5

14. Face recognition using transform domain texture features

Rangaswamy Y.;Ramya S.K.;Raja K.B.;Venugopal K.R.;Patnaik L.M.

Proceedings of SPIE - The International Society for Optical Engineering, Volume 9067, Year 2013