

CURRICULUM VITAE

Dr. Kandavalli Michael Angelo

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ACADEMIA

Degree	Specialization	Institution/University	Year	Class/ Percentage
Ph.D. Full-Time Regular	Image Processing	Annamalai University, (State Government), Chidambaram.	2020	-
M.Tech	Digital Electronics and Communication Systems	Godavari Institute of Engineering & Technology (JNTU, Kakinada)	2014	Distinction/ 75.14%
B.Tech	Electronics and Communication Engineering	Godavari Institute of Engineering & Technology (JNTU, Kakinada)	2012	First Class/ 64.36%
Higher Secondary	MPC	Gowtham Junior College, Vijayawada	2008	93.01
Secondary	-	Apollo E.M. School, Koyyalagudem	2006	83

Fields of Research Interest

Image Processing: Object Detection, Segmentation, Dynamic and Stationary Objects Tracking, Medical Image Processing.

Present Position

1. *Associate Professor* Department of Electronics and Communication Engineering,
Dhanekula Institute of Engineering & Technology, Vijayawada
(Sep 2020 – till date)

Past Research/Teaching Experience

2. *Assistant Professor* Institute of Electronics and Communication Engineering, Saveetha
School of Engineering, SIMATS, Thandalam, Chennai
(June 2019-April 2020)

3. *Research Scholar* Full-Time Research Scholar, Annamalai University – State
University (Dec 2015 to June 2019).

4. Assistant Professor Department of ECE, Srinivasa Institute of Technology, Poonamalle, Chennai- 600056 (Dec 2014 to Dec 2015).

Total Experience: **6.8 years.**

Membership of Professional/Technical Bodies

1. Associate Member of ‘**The Institution of Engineers**’ (India) - AM1738448.
2. Life Member in **ISTE** -LM110532.
3. **Franklin** Membership- NM88872.
4. Life Member in **IAENG** -141941.
5. Life Member in **IAESTD** - IAETSD1400122.

Details of Publications

Number of Patents	International -1 Granted; Indian: Applied Stage
Number of Publications	SCI :2, ESCI-WoS:1, SCOPUS: 8

1. Sivagami, A., S. Jayakumar, and Michael Angelo Kandavalli. "Structural health monitoring using smart sensors." AIP Conference Proceedings. Vol. 2281. No. 1. AIP Publishing LLC, 2020. (**SCOPUS**)
2. Kandavalli Michael Angelo, S.Abraham Lincon, “Design and Implementation of shape and texture based Image Segmentation on morphological gradient approach”, *Journal of Computational and Theoretical Nanoscience* , Vol.17(5), 2020, (**SCOPUS, UGC Indexed, SJR-0.22, H-43, Q2**).
3. A. Sivagami, Kandavalli Michael Angelo, “Performance Exploration of QoE Based Robust Routing Protocol for Wireless Multimedia Sensor Networks”, *International Journal of Grid and Distributed Computing*, Vol.13(1), 2020, (**ESCI-WoS**).
4. Kandavalli Michael Angelo, S.Abraham Lincon, “Design and Implementation of colour texture-based multiple object detection using morphological gradient approach”, *Concurrency Computational Practice Experience: John Wiley & Sons*, Vol.31(14). (**SCI, SCOPUS, UGC Indexed, IF:1.114, H60, Q2**).
5. A. Sivagami , Kandavalli, Michael Angelo, and M. Saya Nandini Devi , Salt and Pepper Noise Diminishing In Brain Tumor Mri Images And Its Performance Analysis”, *Journal of Critical Reviews 2020*, Vol.7(13).(**Scopus**).
6. Kandavalli Michael Angelo, S.Abraham Lincon, “A Hybrid Enhanced Fractal Texture Analysis with Layout Descriptor approach for Image Segmentation”, *Journal of Web Engineering, Rinton Press*, Vol.17(6), pp.3339-3347, May 2018. (**SCI, SCOPUS, UGC Indexed, IF:0.68, H11, Q3**).
7. Kandavalli, Michael Angelo, C. R. Yuvaraj, and M. Saya Nandini Devi. "Performance Evaluation of Various Filtering Techniques for Retinal Fundus Images." *Indian Journal of Public Health Research & Development*, Vol.10. (11), 2019. (**SCOPUS, UGC, SJR-0.22 Q4**)
8. Kandavalli Michael Angelo, S.Abraham Lincon, “Implementation of enhanced fractal texture analysis with layout descriptor for image segmentation”, *Research review*

International Journal of Multidisciplinary, Vol.03, No.11, pp.655-658. (UGC JOURNAL NUMBER-44945)

9. Kandavalli Michael Angelo, "A Novel approach on Object Detection and tracking using adaptive background subtraction method", IEEE Sponsored Proceedings of Second International Conference on Computing Methodologies and Communication, 2018 (**Scopus Indexed**)
10. Michael Angelo Kandavalli, S. Abraham Lincon," Analysis of Recent Shape, Texture and Colour Based Image Segmentation Techniques", in PJBT, 2(14), 2017, pp99-101. (**Scopus Indexed**, SJR-0.22, H-7, Q4)
11. K Michael Angelo, P Soundarya, "Multiple Cell Upsets Correction for OLS Codes" in International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering (IJAREEIE) Vol. 3, Issue 10, Oct 2014,pp.12512-12520.
12. Kandavalli Michael Angelo, Katakala Karthik, "Arm Based Remote Surveillance and Motion Detection System by Using MJPEG Algorithm Multiple Cell Upsets Correction for OLS Codes" in International Journal of Engineering Research and Applications (IJERA) Vol. 4, Issue 4, April 2014, pp.13-16.

Achievements / Awards etc.

1. Received Australian grant Innovation patent on 15th July 2020, patent number: 2020101070
2. Awarded University meritorious research studentship (URS) for 2017-18.
3. Indian Innovation patent got published on 30 October 2020, patent number: 202041045449

Subjects of Interests/Handled

- Digital Image Processing.
- Analog Communications.
- Random Variables and Stochastic Process.
- Digital Electronics.

Personal Details

Date of Birth: 30, August,1991.
Father's Name: Dr. K. Soundaryam.
Languages Known: Telugu, English and Hindi.
Nationality & Religion: Indian, Christian
Category: BC-C
Marital Status: Single.

Declaration

I am confident that I shall strive and succeed in the position applied to the satisfaction of my superiors and justify the assignments entrusted on me. The above said information is true and authentic to best my knowledge.

Date: 30-04-2021

Place: Ganguru

(Dr.K. Michael Angelo)