



## AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING

Nizara Educational Campus, Muthapudupet, Avadi IAF, Chennai – 600 055.

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### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

<b>NAME &amp; INITIALS</b>	Dr. S. V. Mahesh Kumar	
<b>DESIGNATION</b>	ASSOCIATE PROFESSOR	
<b>EDUCATIONAL QUALIFICATION</b>	Ph.D.	
<b>EXPERIENCE</b>	07 YEARS	
<b>DATE OF JOINING</b>	11-07-2016	
<b>EMAIL ID</b>	sv.maheshkumar@aalimec.ac.in	
<b>AREA OF SPECIALISATION</b>	Biomedical Signal and Image Processing	

### EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
Ph.D.	Electronics and Communication Engineering	Pondicherry Engineering College	Pondicherry University	2018
M.E	Applied Electronics	Velammal Engineering College	Anna University	2008
B.E	Electronics and Communication Engineering	St.Xavier's Catholic College of Engineering	Anna University	2006

### PROFESSIONAL MEMBERSHIPS

IAENG

IRED

### FDP ATTENDED

“Software Defined Radio”- A tutorial session conducted by National Instruments at the ICCS 2016 conference organized by Pondicherry Engineering College, Puducherry, on 18-03-2016.

“Recent Trends in Optimization Techniques and Applications”- Six days STTP organized by Pondicherry Engineering College, Puducherry, from 04-01-2016 to 09-01-2016.

“Cryptography & Robotics”- FDP organized by Veltech Multitech Dr.Rangarajan Dr. Sakunthala Engineering College, Chennai, on 04-07-2009.

### WORKSHOPS ATTENDED

“Linux Operating System”- Two days workshop organized by Pondicherry Engineering College, Puducherry, on 05-01-2013 & 12-01-2013 (2 days).

“PIC based Embedded System Design”- One day workshop organized by Sun College of Engineering and Technology, Nagercoil, on 29-02-2012.

“Advanced Image Processing in Matlab”- One day workshop organized by Sun College of Engineering and Technology, Nagercoil, on 17-08-2012.

“VLSI EDA Tools”- Three days workshop organized by Veltech Multitech Dr.Rangarajan Dr. Sakunthala Engineering College, Chennai, from 17-11-2011 to 19- 11-2011

“Recent Trends in Communication”- One day workshop organized by Veltech High Tech Dr.Rangarajan Dr. Sakunthala Engineering College, Chennai, on 12-02-2010.

### PUBLICATION DETAILS

S. V. Mahesh Kumar and R. Gunasundari, “Computer-Aided Diagnosis of Anterior Segment Eye Abnormalities Using Visible Wavelength Image Analysis Based Machine Learning”, Journal of Medical Systems, Springer, Vol. 42 (128), 2018.

S. V. Mahesh Kumar and R. Gunasundari, “Diagnosis of corneal arcus using statistical feature extraction and support vector machine”, Advances in Intelligent Systems and Computing, Springer, Vol.394, pp. 481-492, 2016.

S.V. Mahesh Kumar, R. Gunasundari and N.Ezhilvathani, “Non-Invasive Measurement of Cholesterol Levels Using Eye Image Analysis”, International Journal of Computer Science and Information Security (Indexed in Emerging Sources Citation Index (ESCI)), Vol. 14, pp 33-42, 2016.

S. V. Mahesh Kumar and R. Gunasundari, "Reflection removal and contrast enhancement methods for effective segmentation of visible wavelength iris images", International Journal of Applied Engineering Research, Vol.10. No(6), 2015.

#### CONFERENCE DETAILS

S.V.Mahesh Kumar , "Comparative Analysis of Rectenna Configurations for Power Transmission at Industrial Scientific and Medical Frequency Band", Proceedings of IIASE 2017, Chennai, 2017.

S.BasithRahman , A.Imran Khan, U.Abdul Waheed and , S.V.MaheshKumar , "A Survey on Electronic Devices Control Using Brain Signals", Proceedings of IIASE 2017 , Chennai, 2017.

S.V. Mahesh Kumar, Mohideen Abdul Kader A, Mohamed Salman Khan , and Mohammed Sufuan Rahim "A Survey on Iris Biometrics", Proceedings of IIASE 2017 , Chennai, 2017.

S. V. Mahesh Kumar and R. Gunasundari , "A comparative study of earlier detection of cholesterol using invasive and non-invasive methods" , Proceedings of Green ICT Conference, Puducherry, 5<sup>th</sup> and 6<sup>th</sup> July 2013.

S. V. Mahesh Kumar and V. Manikandan, "Image security with watermarking and Hash for a digital camera", Proceedings of national Conference (NT-SIPCOM' 11), Anna University of Technology, Trichy, Tamilnadu, March 17-18, 2011.

R. Nishanth and S. V. Mahesh Kumar, "Design of practical colour interpolation algorithm for digital cameras", National conference proceedings (NCOMM 2011), Rajas Engineering College, Nagercoil, Tamilnadu, 18<sup>th</sup> march 2011.

V. Manikandan and S. V. Mahesh Kumar, "Edge adaptive image steganography based on LSR matching", National Conference Proceedings (ELIXIR 2K10), Siddartha Institute of Engineering and Technology, Chittoor, Andhra Pradesh, 8<sup>th</sup> and 9<sup>th</sup> Dec 2010.

#### ACHIEVEMENT DETAILS

Certificate and Cash Prize received from Sree Sastha Institute of Engineering and Technology, for 95% result in DSP.

Cash prize received from Veltech Multitech Dr. Rangarajan Dr. Sakunthala Engineering College, For 90 % result in EMF.