Faculty Profile

Name	:	Dr. RAMASUBRAMANIAN B
Date of Birth	:	12.08.1987
Highest Qualification	:	Ph.D
Date of Joining	:	12.06.2019
Designation	:	PROFESSOR & HoD/ECE
Date of promotion (Present Designation) :		01.12.2021
Area of Interest	:	IMAGE PROCESSING, IoT

Mobile No	:	+91-8110977339	Email ID	:	hod.ece@trp.srmtrichy.edu.in

Experience	:	Teaching :	13	Industry	:	NIL	Research :	3

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Association with Professional Bodies

Name (ProfessionalBody)	IETE
Type of Membership and No.:	Life time (M-503521)

Research

Ph. D Guidance					
Supervisor / Guide ship No. :	NO	University :		No. of Scholars :	

Publication*			
International Journals :	21	National Journals :	NIL
International Conference :	43	National Conference :	31

Project Grants (Research projects guided or undertaken/ Sponsored Projects)			
Received (Amount) :	Rs.2162763	Applied (Amount) :	

Patent			
Published :	3	Granted :	2

Books

Published :	6

FDPs / STTPs / Workshops / Seminars etc.,

FDP		STTP		Workshop		Seminar		Others	
Attended :	13	Attended :	1	Attended :	52	Attended :	21	Attended :	
Organized :	11	Organized :	1	Organized :	35	Organized :	32	Organized :	

Online courses (NPTEL, MOOC etc.)	**23**

*List of Publications :

Publication in Journals:

11.B.Ramasubramanian, "A Comprehensive Analysis of Various Delineation method for Exudates in Fundus Images using Miniaturized Pi Board" in Journal of Physics, IOP Publishing, 2023.

10. B.Ramasubramanian, Dr.S.Selvaperumal, "Efficient approach for the automatic detection of haemorrhages in colour retinal images" in IET Image Processing, Online ISSN 1751- 9667. (AU Annexure).

9.   TK Yoo, JY Choi, JG Seo, B Ramasubramanian, S Selvaperumal, DW Kim "The possibility of the combination of OCT and fundus images for improving the diagnostic accuracy of deep learning for age-related macular degeneration: a preliminary experiment" in Medical & Biological Engineering & Computing- Springer Berlin Heidelberg (AU Annexure).

8.   B.Ramasubramanian, Dr.S.Selvaperumal, "An Efficient MATLAB App. for the grading of Diabetic Retinopathy using Color Fundus Images" in International Journal of Control Theory and Applications, Volume 10–pp. No.625-638, March 2017.

7.   B.Ramasubramanian, "An Efficient CORDIC based Low power HT architecture", in International Journal of Applied Engineering Research, pp.519-524, August, 2015.

6.   B.Ramasubramanian, Dr.S.Selvaperumal, "A Novel Efficient Approach for the Screening of New Abnormal Blood Vessels in Color Fundus Images" in Applied Mechanics and Materials, Volume 573–pp. No.808-813, June 2014.

5.   B.Ramasubramanian, "An Early Screening System for the Detection of Diabetic Retinopathy using Image Processing" in International Journal of Computer Application, ISSN: 0975-8887, Volume 61– No.15, January 2013.

4.   Ramasubramanian B., Mahendran G., "An Efficient Integrated Approach for the Detection of Exudates and Diabetic Maculopathy in Colour fundus Images" Advanced Computing: An International Journal (ACIJ), Vol.3, No.5, pp. 83 -91, September 2012.

3.   B.Ramasubramanian, "An Efficient Approach for the detection of new vessels in Diabetic Retinopathy Images" in International Journal of Engineering and Innovative Technology, ISSN: 2277-3754, Vol.2, Issue 3, September 2012.

2.   B.Ramasubramanian, "Detection of Moving Object in Dynamic Visual Sequences based on partial Least Squares classifier", in Journal of Medical Systems, Vol.43, Issue-259, 2019.

1.   B.Ramasubramanian, "Modeling and simulation of Flyback converter using SPICE model", in International Journal of Recent Technology and Engineering, Vol.8, Issue-3, 2019.