

PROFILE

Name	Dr.Sudha M S
Position & Affiliation	Associate Professor, Department of ECE
Areas of Interest	Multimedia security
Email	Sudharajoli94@gmail.com
LinkedIn ID	Linkedin: http://www.linkedin.com/in/dr-sudha-rajoli-13aa9520a
Google Scholar ID	https://scholar.google.com/citations?user=KkBwAYEAAA&hl=en&citsig=AMD79ooe3mq17v
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Vidwan ID	
Scopus ID	https://www.scopus.com/authid/detail.uri?authorId=58506478400
Professional Webpage (if any)	nil

Educational Qualifications:

Ph.D	Jain deemed to be university	India	2020
MTech	MGR, University Madhuravoyal	India	2006
BE	SSIT,Bangalore University	India	1992

Areas of Research:

Security, watermarking image processing

Brief Profile: (write about yourself)

Completed PhD in electronics and communication Engineerin. Has over 26 years of Teaching Experience. The areas of interest are watermarking, DSP Application, image processing . published papers in various jounals and IEEE conferences.worked as a BOE for SSIT. conducted workshops conferences. Worked as a editor of the college magazine at Sapthagiri college of Engg.

Add about setting up labs and consultancy (if any)

No

Guiding students at various levels (BE, MTech and PhD)

No

Awards/Achievements/Others:

No

Courses Taught:

Principles of communication internet of things, research methodology, DSP, signals and system many more subjects

Publications/Patents:

Publications

- Sudha, M. S., and T. C. Thanuja. "A robust image watermarking technique using DTCWT and PCA." *International Journal of Applied Engineering Research* 12.19 (2017): 8252-8256.
- Sudha, Mrs, and T. Thanuja. "FPGA implementation of DTCWT and PCA based watermarking technique." *Int. J. New Innov. Eng. Technol* 10.1 (2019): 3.
- Sudha, M. S., and T. C. Thanuja. "Effect of different attacks on image watermarking using dual tree complex wavelet transform (DTCWT) and principle component analysis (PCA)." *International Journal of Engineering & Technology* 7.2 (2018): 1-5.
- Sudha, M. S., and T. C. Thanuja. "Randomly tampered image detection and self-recovery for a text document using Shamir secret sharing." *2016 IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT)*. IEEE, 2016.
- Sudha M S Kulkarni, Pavan Kumar V., et al. "Real-Time Gesture Recognition For Arduino-Based LED and Servometer Manipulation Using OpenCV and MediaPipe." *2024 1st International Conference on Communications and Computer Science (InCCCS)*. IEEE, 2024.
- Sudha M S and Dr thanuja T C "Digital image authentication (dia)-a survey." IRF International Conference, Bangalore 23rd March 2014.
- Sudha, M. S. Shet, A. M., Deepika, U. M., Chandana, V., Meghashree, G.,.. (2022). A Survey on Exudate Detection in Fundus Images. *Perspectives in Communication, Embedded-systems and Signal-processing-PiCES*,1-4.
- Sudha, M. S. Dhanushree, L., Parvathy, P., Lavanya, R.(2022). A Survey on VLSI Implementation of Low Power, High Speed DAC. *Perspectives in Communication, Embedded-systemsandSignal-processing-PiCES*,26-28.
- Sudha M S , prakruthi.m , nisarga.p "automated detection of counterfeit indian currency notes through image processing analysis" *IJARIE-ISSN(O)-2395-4396 Vol-10 Issue-1 2024*
- Nagu MS DR. Sudha M S, 3 Manohar s, 4 Benaka C H, 5 keerthi D H Vol-10 Issue-1 2024 "Advancing Communication Efficiency: The Integration of Wireless Notice Board with Bluetooth Connectivity" *IJARIE-ISSN(O)-2395-4396 22620 ijariie.com 1358 Vol-10 Issue-1 2024*

	<ul style="list-style-type: none"> ➤ C G Gokul , Dr.Sudha M S, D R Balaji, Chetas J, Chinmay, G N Harish Kumar “ Wi-Fi Controlled Self Balancing Bot Using ESP32” © 2024 IJCRT Volume 12, Issue 2 February 2024 ISSN: 2320-2882 ➤ Dhashanee J, DR. sudha M S, CHANDRIKA O P, Deeksha P, Adarsh A “Implementation of digital image watermarking for JPEG Images” © 2024 IJCRT Volume 12, Issue 2 February 2024 ISSN: 2320-2882 ➤ Dr.sudha M S et.al “Enhancing virtual assistants with LLM’s in robotics and everyday applications” © 2024 IJCRT Volume 12, Issue 2 February 2024 ISSN: 2320-2882.
Patents	<ul style="list-style-type: none"> ➤ Patent filed on “ATM cash withdrawal with smart phone based Authentication” Application number 202041042568 (31/12/2021).First examination report is issued. ➤ Patent filed on “System and method to predict the heart attack using deep learning” Application number :2022341037949A(02/06/2023) ➤ Patent filed on “The FET based silicon Nanowire Biosensors” Application number :202341010292A(17/03/2023)
Book/Book Chapters	no
Research and Consultancy: nil	

