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Faculty Name	Dr. Manu D K	
Designation	Associate Professor	
Educational Qualification	M.Tech., PH.D	
Experience in Years	Teaching: 18 yrs Industry: ---	
Areas of Interest	Communication Systems, Control Systems, Wireless Sensors Networks	
Subjects Taught	Basic Electronics, Principles of Communication systems, Control Systems, Digital System, Microwave and Antennas,	
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EDUCATIONAL DETAILS:-

Examination / Degree	College/University	Year of Passing
BE	SJCIT, VTU	2004
M.Tech.	DCSE, VTU	2007
Ph.D	VTU	2022

PUBLICATIONS:-

ORCID ID: 0000-0001-6614-6668

Journal Publications:

1. "Parallel Processing for using a Shared Memory in a Network with the Help of Context Switching Semaphore using Self-Healing Approach" International Journal of Applied Engineering Research ISSN 0973-4562 Volume 10, Number 12, pp. 30371-30392, 2015.
2. "Implementation of Speed Violation and Insurance Detection System using RFID and Internet of Things", i-manager's Journal on Instrumentation & Control Engineering, Vol. 5 No. 3, May - July 2017., DOI:10.26634/jic.5.3.13680
3. "Design and Implementation of Smart Insulin Device for Non-Invasive Blood Glucose Level Monitoring", i-manager's Journal on Embedded Systems, 7(2), 19-27, August 2019.
4. "Design and Implementation of Solar Powered Automated Garbage Monitoring System", i-manager's Journal on Electronics Engineering, 9(4), 19-24, August 2019. DOI:10.26634/jele.9.4.14915
5. "Enhancement of Hydrophone Sensitivity by Varying Mandrel Parameters for Detection of Acoustic Waves in Underwater Environment", Journal of Intelligent and Fuzzy Systems, 6377 – 6382, 1 Jan. 2020., DOI: 10.3233/JIFS-179718

6. "Development and Implementation of AUV for Data Acquisition and Image Enhancement", International Journal of Engineering and Advanced Technology ISSN: 2249 – 8958, Volume-9 Issue-4, April 2020. DOI: 10.35940/ijeat.D9126.049420.
7. "Development of a Novel Optical Fiber Hydrophone Sensor for Marine Applications", International Journal of Innovative Technology and Exploring Engineering ISSN: 2278-3075, Volume-9 Issue-7, May 2020. DOI: 10.35940/ijitee.G5461.059720.
8. "Design and Implementation of Solar Grass Cutter", i-manager's Journal on Electrical Engineering, 14(4), 47-52. 2021., DOI:10.26634/jee.14.4.18368.
9. "Design and Development of Solar Panel Tracking System". i-manager's Journal on Embedded Systems, 10(1), 1-8., 2021., DOI:10.26634/jes.10.1.18369.

Conference Papers :

1. "Hand Gesture Recognition Techniques and Applications", National Conference on Emerging Trends in Engineering Technologies-ETET 2013, 15th and 16th March 2013.
2. "Flip Flops for Low power VLSI Design Application using CMOS Technology", National Conference on Advanced Communication, VLSI Design & Signal Processing (NCCVS-14), Vol.No-2, Page No. 259 to 263, 15th May 2014.
3. "FPGA Implementation of Contrast Stretching for Image Enhancement using System Generator", Proceedings of 5th IEEE INDICON Conference Proceeding Service, Vol.4, Issue 1, pp. 1-6, December 2015.
4. "Development of AUV for Data Acquisition in Underwater Environment," 2020 IEEE International Conference on Electronics, Computing and Communication Technologies (CONECCT), pp. 1-5, 2020.

Professional Membership

- Life-time member of ISTE LM-53736
- IEI-M-151321-9
- SDIWC-15162
- International Association of Engineers (IAENG)-176046

CONTACT DETAILS:-

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