

Dr. M S RUDRAMURTHY

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Education

	Degree	Year	Institute	Specialization
1	Ph.D	2016	JNTUH, Telangana.	Computer Science
2	M.Tech	2002	M.Tech, SJCE, Mysore.	Computer Engineering
3	B.E.,	1995	SIT, Tumakuru.	Instrumentation,

Professional Experience

	Date (from-to)	Designation	Organization
1	01-01-2011 till date	Associate Professor	SIT, Tumakuru
2	01-08-2006 to 31-12-2010	Assistant Professor	SIT, Tumakuru
3	12-10-2003 to 31-07-2006	Senior Lecturer	SIT, Tumakuru
4	12-10-1998 to 11-10-2003	Lecturer (Permanent)	SIT, Tumakuru
5	11-10-1994 to 01-10-1998	Lecturer (Consolidated)	SIT, Tumakuru

(Please fill in reverse order. Current designation should be at the top)

Positions held

(Please give details of any administrative posts, co Ordinator roles/ responsibilities held)

Affiliations of Professional organizations

- Life Member, ISTE
- Fellow, Institution of Engineers

Awards and Honors

- NIL

Courses Taught

Undergraduate Courses :

• Digital Signal Conditioning Devices and Systems	• Analog Signal Conditioning Devices and Systems
• Electronic Measurement and Instrumentation	• Pulse and Digital Circuits.
• Electrical Measurements and Instruments,	• Mechanical Measurements and Instruments
• Analytical Instruments	• Electronic Devices and Circuits
• Electronic Instrumentation –I	• Electronic Instrumentation –II
• Digital Circuits and Wave shaping	• Electronic Devices and Circuits.
• Engineering Economics and Industrial Management	• Logic Design
• Advanced Computer Architecture	• Computer Organization and Architecture
• Fuzzy Logic and its engineering applications.	• Soft Computing
• Programming in C	• Introduction to Python Programming
• Software Engineering	• Operating Systems
• Universal Human Values	• Indian Knowledge System
• Management in Engineering	• Software Engineering and Project Management
• Sensors and IoT	• Artificial Neural Networks
• Artificial Neural Networks and Deep Learning	• Cloud Computing
• Management in Engineering	• Cyber Law and Ethics
• Innovation and Design Thinking	• Cloud Computing
• Digital Circuits and Computer Organization	• Computer System Design and Architecture.

Postgraduate Courses

- Cyber Law and Ethics
- Cyber Law and Information Security
- Basics of Forensic Psychology

Research Guidance

Sl. no	Name of the Scholar	Title	Year of completion

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Research Areas

- Nature Inspired Computation
- Data Analysis and processing

Sponsored Projects

Completed Projects: NIL

Publications

Journals

- Rudramurthy M S, Dr.Kamakshi Prasad V, Dr.Kumaraswamy R (2014), 'Speaker Verification Under Degraded Conditions Using Empirical Mode Decomposition Based Voice Activity Detection Algorithm,' Journal of Intelligent Systems 2014; 23(4): 359–378, 2014, DOI 10.1515/jisys-2013- 0085, Journal of Intelligent Systems, 2014. Scopus Indexed.
- Rudra Murthy M S, Dr.Kamakshi Prasad V, Dr.Kumaraswamy R (2013), Voice Activity Detection Algorithm Using Zero Frequency Filter Assisted Peaking Resonator And Empirical Mode Decomposition, Journal of Intelligent Systems, J. Intelligent Systems 22(3):269-282, 2014. Scopus Indexed.
- Rudramurthy M S, Nilabh Kumar Pathak, Dr. Kamakshiprasad V, Dr. Kumaraswamy R (2014), 'Speaker Identification using Empirical Mode Decomposition based Voice Activity Detection Algorithm under Realistic Conditions,' Journal of Intelligent Systems 2014; 23(4): pp. 405–421, 2014, DOI 10.1515/jisys-2013-0089. Scopus Indexed.
- Nagashree M and Dr. Rudramurthy M S, 'Cyber Forensics Triage Investigation: A Portable Computer Forensics Triage Acquisition Solution', Proceedings in International Journal of Science and Innovative Engineering & Technology (IJSIET), Vol.5, May issue, pp.58-62, 2017. ISBN 978-81-904760-9-6.
- Deepa P B and Dr. Rudramurthy M S. 'A Secure Deduplication Mechanism for Sensitive Data in Public Cloud Storage', Proceedings in International Journal of Engineering Research in Computer Science and Engineering (IJERCSE), Vol.4, Issue6, Pp.231-235, June 2017.
- Kumar Divyanshu, Dr. M S Rudramurthy, 'Performance of Machine Learning Algorithm for Forged News Recognition', Proceeding in International Journal of New Technology and Research (IJNTR) Volume-6, Issue-10, Pages 18-21, October 2020, ISSN: 2454-4116, <https://doi.org/10.31871/IJNTR.6.10.16>.

Conference Proceedings:

- Rudramurthy M.S, Kamakshi Prasad V, Kumaraswamy R(2011), Speech Data Analysis using Hilbert-Huang Transform, in proceedings of International Conference on Recent Innovative Technologies(ICRIT-2011), R.I.T., Kottayam,, Kerala, February 10th-12th, 2011, pp.82-87.
- Rudramurthy M.S, Kamakshi Prasad V, Kumaraswamy R(2013), Voice Activity Detection Algorithm Using Zero Frequency Filter Assisted Peaking Resonator And Empirical Mode Decomposition, proceedings in International Conference on Communication, VLSI and Signal processing(ICCVSP), pp.38-43.
- Rudramurthy M S, Dr. Kamakshi Prasad V, Dr. Kumaraswamy R (2014), Improved Recognition Performance Using Empirical Mode Decomposition Based Voice Activity Detection Algorithm, Proceedings of International Conference on Emerging Research in Computing, Information, Communication and Applications (ERCICA-13), vol.2, pp. 404-412, 2014.
- Karunakaran K, Rudramurthy M. S, B.P.Mallikarjuna swamy, Kumaraswamy R,” Edge Detection of an Image using Ensemble Bidimensional Empirical Mode Decomposition”, International Conference on Recent Innovations in Technology (ICRIT-2011), R.I.T., Kottayam, Kerala. February 10-12, 2011 pp 108-112.
- Nagashree M and Dr.Rudramurthy M S, ‘Cyber Forensics Triage Investigation: A Portable Computer Forensics Triage Acquisition Solution’, Proceedings of the 7th International Conference on Advances in Science Engineering and Technology(ICASET-2017), No. 68, Page.No.29, 24th April 2017, Bengaluru, India, Held at Rajiv Gandhi Institute of Technology, RGC Campus, Cholanagar, R.T.Nagar Post, Bangalore-560 032.
- Deepa P.B and Dr. Rudramurthy M S, ‘A Secure Deduplication Mechanism for Sensitive Data in Public Cloud Storage,’ International Conference on Wearable Technologies (ICOWT-2017), page.no.9, ISBN: 978-81-929580-4-0, Organized by Dayananda Sagar University, School of Engineering, Bengaluru and Institute for Engineering Research and Publication (IFERP) on 22nd -23rd June 2017.
- Ms. Spoorthy K M, Ms. Suchetha Hegde, Ms Vijectha N, Dr. Rudramurthy M S, Mr.Keerthan Kumar, and Mrs Sushma S A, ‘Performance Analysis of Bird Counting Techniques Using Digital Photograph, Proceedings of the International

Conference on Intelligent Computing and Control Systems(ICICCS 2021), IEEE Xplore Part Number CFP21K74-ART, ISBN: 978-07381-1327-2 Scopus Indexed.

- Likith H. G, Nishanth H L, Lohit E, Dr.Rudramurthy M S, Sushma S.A and Keerthan Kumar T G, “Development of Data Driven Adaptive Edge Detectors for Image Processing,” IOP Conference Series: Material Science & Engineering, 1187(2021), GC-RDCT-2021. doi:10.1088/1757-899X/1187/1/012032.
- M S Rudramurthy, Nitin Hegde, K Tanmay, M Santosh, Md. Sufian Jawaid, S A Sushma, Keerthan Kumar T G, “Real Time Vehicle Tracking System for Smart Cities”, International Conference on Data Science and Network Security (ICDSNS) -2023, Electronic ISBN:979-8-3503-0159-5, 28-29 July 2023, IEEE, DOI: 10.1109/ICDSNS58469.2023.10245776, pp. 1-6.

Book Chapters: NIL

Books

- NIL

Editorial

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Reviewer of Journals

(Please give details in IEEE format)

Editor/ Reviewer of Journal

Patents

NIL

Invited Lectures, talks and workshops

- NIL