

RNS Institute of Technology, Channasandra, Bangalore-560098
ECE Dept | RESUME - Faculty

Name	UMA S V		
Date of Birth	08-07-1974		
Address	Contact Address: Professor, Department of ECE, RNSIT, Bangalore-98 E-mail:umakeshav2000@gmail.com		
Subject / Discipline/ Major	Electronics and Communication Engineering		
Educational Qualifications	Exam Passed	Institution University	Year
	Degree: BE(Branch)	MCE, Hassan-Mysore University	1996
	PG: M.Tech(Branch)	BMSCE, B'lore-VTU	2002
	Higher: Ph.D	UVCE, B'lore -Bangalore University	2015
Experience	Nature of Experience	No. of Years	
	Teaching	23	
	Industry/Research	1	
	Total No. of years of Experience	24	
Experience Details	Designation	Institution/ Organization	Duration
	Professor	RNSIT	01-11-2020 to Till date
	Associate professor	RNSIT	01-08-2011 to 30-10-2020
	Assistant professor	RNSIT	02-11-2006 to 31-7-2011
	Lecturer	RNSIT	28-08-2002 to 01-11-2006
	Project Trainee	HONEYWELL	08-11-2001 to 8-5-2002
	Lecturer	BMSECE	1-9-2000-31-01-2001
	Lecturer	GVIT	01-6-1997 to 31-7-2000
Professional bodies Membership details	IEEE member -92560220, ISTE (life membership)		
Other Professional Experiences	<ul style="list-style-type: none"> Conducted many National and International conferences, FDPs and workshops, delivered invited talks for VTU-e-shikshana and other institutes, guided more than 50 UG and >11 PG projects and guiding 4 scholars for Ph.D. 		
Areas of Research Interest & Guidance	<ul style="list-style-type: none"> Communication networks: Wireless Sensor networks ,Vehicular AdhoC networks and Named Data Networks, Signal, Image and Video processing using Machine learning techniques, Unmanned aerial vehicles 		
National/ International Work Shops/ Seminars / Conferences Attended	National Conferences : 15 International Conferences: IEEE TENCON, and 9 more IEEE / Springer/conferences National Workshops: >30 International workshops: 4		
Papers Presented /Books Published	In International journals: 15 In International Conferences: 10 National conferences: 15 Books:1 Book Chapters:2		

- [UAV and obstacle sensing techniques—a perspective](#) N Aswini, EK Kumar, SV Uma 14 2018
International Journal of Intelligent Unmanned Systems
- [Obstacle avoidance and distance measurement for unmanned aerial vehicles using monocular vision](#) N Aswini, SV Uma 6 2
International Journal of Electrical and Computer Engineering 9 (5), 3504
- [Distributed denial of service: Attack techniques and mitigation](#) KS Vanitha, SV Uma, SK Mahidhar 4 2017
2017 International Conference on Circuits, Controls, and Communications ...
- [Emerging Research in Electronics, Computer Science and Technology](#) S V Uma, V Sridhar, HS Sheshadri, MC Padma 4 2016
Springer, India, Private
- [Obstacle Detection in Drones Using Computer Vision Algorithm](#) N Aswini, SV Uma
International Symposium on Signal Processing and Intelligent Recognition ...
- [Adaptive machine learning approach for Grape Leaf Segmentation](#) M Shantkumari, SV Uma 1 2019
2019 International Conference on Smart Systems and Inventive Technology ...
- [Performance Evaluation of GPSR and AODV Routing Protocols in MANETS](#) KS Vanitha, SV Uma 1 2019
International Journal of Innovative Technology and Exploring Engineering ...
- [Congestion Control by Heuristics in High-Speed Networks Using ANN](#) SV Uma, KS Gurumurthy 1 2014
Emerging Research in Electronics, Computer Science and Technology, 323-333
- [Grape leaf segmentation for disease identification through adaptive Snake algorithm model](#) M Shantkumari, SV Uma
Multimedia Tools and Applications 80 (6), 8861-8879
- [Drone Image De-Noising and Feature Extraction](#) N Aswini, SV Uma 2020
2020 IEEE International Conference for Innovation in Technology (INOCON), 1-6
- [ONBOARD OBSTACLE SENSING MECHANISM FOR DRONES USING MONOCULAR CAMERA](#) A N, U S V 2020 2
ARPN Journal of Engineering and Applied Sciences 15 (7), 949-953
- [Efficient Lookup Solutions for Named Data Networks](#) SVU Swetha B 2019
IJITEE 9 (2S), 2278-3075
- [A Survey on Identification of Grape diseases](#) SVU Shantkumari B Patil
IJERCSE 6 (8)
- [A Cross Layer UDP-IP protocol for Efficient Congestion Control in Wireless Networks](#) SV Uma, KS Gurumurthy 2013
International Journal of Computer Science and Information Security 11 (12), 58
- [A novel technique for congestion avoidance/control in high speed multimedia networks using Network Intrusion Detection systems](#) SV Uma, KS Gurumurthy 2013
2013 IEEE International Conference of IEEE Region 10 (TENCON 2013), 1-6
- [A Novel, Unified Dynamic Data Dissemination \[D-Cube\] and Traffic Classification Technique for Congestion Avoidance in High Speed Wireless Multimedia Sensor Networks.](#) 2013
US Visweswaraiya, KS Gurumurthy
- International Journal of Simulation--Systems, Science & Technology 14 (2)

- [ONBOARD OBSTACLE SENSING MECHANISM FOR DRONES USING MONOCULAR CAMERA](#)

2006

N Aswini, SV Uma

- [Novel adaptive dynamic congestion control algorithms to deliver better qos for multimedia services](#)

SV Uma

Bangalore

- [GA based optimal design of network architecture for desired connectivity and traffic demand](#)

SV Uma, KS Gurumurthy, MK Singh

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Additional Information
(if any)