

Profile

Name of the Faculty	Dr. P. Venu Madhav					
Designation	Asst. Professor					
Department	Electronics & Communication Engineering					
Date of Birth	05-10-1974					
DOJ the Institution	05-10-2009					
Employee ID	ECE060385					
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220242237421	AJXXXXXX35B		79XXXXXXX642			
Education Qualifications	UG	PG	Ph.D	Others		
	BSc (Electronics)	MSc, M.Tech	Awarded			
Work experience	Teaching	Research		Industry	Others	
	16 years	4		4		
Area of Specialization	Communications and Signal Processing					
Courses taught at Under Graduate/ Post Graduate Level: (full course title only) - Electronic Devices & Circuits - Computer networks - Communication networks - Computer architecture and organization - Biomedical Instrumentation - Wireless Sensor Networks - Antenna & Wave Propagation - Embedded and Real Time Systems - Embedded System - Internet of Things - Database Management Systems - Wireless Communication Networks - Microprocessors & Micro Controllers - EMI / EMC						
Professional Memberships & ID's : IETE(), ISTE()						
Research Publications & Guidance	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters
	-	31	10	4	4	3
	Masters	3		-		

Book Chapters	• P. Venu Madhav, Dr. J Sahiti, Mr. P. Sadharma sastha Karthikeya, published a book chapter-12 on "Implementation of Blockchain for secure data analysis in IOT health care systems", ISBN:978-1-032-51751-3, DOI:10.1201/9781003403791, CRC Press, Taylor & Francis Group. Online Version Click here • P.Venu Madhav, Asst. Professor & Dr.M.SivaGanga Prasad, Prof. & HOD, KKR & KSR KITS Guntur published a book chapter- 5 on "E-Shape Top Loaded Octagonal Patch Antenna for Small Frequency Applications" , Book Title: Electronics & Communication Engineering Applications & Innovations, ISBN: 978- 1-77188 693-2, Pages: 49-61, July – 2019. Online version Click here Publisher : Taylor & Francis • P. Venu Madhav and M. Siva Ganga Prasad (March 2020) published a book chapter- 7 on "Characterization of Printed Podal Vivaldi Antenna (8–18 GHz) on RT Duroid with Single and Double Cavity" , Book Title: Advances in Array Optimization, Ertugrul Aksoy, ISBN 978-1-83880-107-6, IntechOpen, DOI: 10.5772/intechopen.88727. Online version Available from:Click here Publisher : IntechOpen - United Kingdom
Details of Patents Published / Granted	• INDIA. Patent 202041038516A: "A DISINFECTANT SYSTEM FOR UV BASED GERMICIDE", September 18, 2020. • INDIA. Patent 202041051463: "A METHOD AND A DEVICE FOR OBJECT DETECTION", December 4,2020. • India Patent 398949-001 "Handy streaming device with Inbuilt storage Access", 11 Nov'2023 • India Patent 202241067403 "An Integrated and Smart Dual Power Cooking System with Interchangeable Configurations and Method Thereof" 23 Nov ' 2022
Details of Paper Publications (In IEEE Format only Descending order)	Journals: Academic year 2024-25 • K. Ramanjaneyulu, P. Saroja, P. Venu Madhav, Srinu Pyla, Venkata Bhujanga Rao Madamanchi, Venkateswararao Cheekati,- “Empirical Investigations To Detection Of Liver Cancer Using Mobileunet”,- Journal Of Theoretical And Applied Information Technology 15th December 2024. Vol.102. No. 23 • Dr. Suresh Babu Chandolu, Dr.P. Venu Madhav, Dr. Kanneboina Ashok, Anjaneyulu Naik R, Venkata Narayana T, G.N.Sowjanya, Kurra Upendra Chowdary –“Deep Cnn Based Empirical Investigations To Skin Graze Uncovering And Cataloguing Using Hybrid Features Selection”,

	Journal Of Theoretical And Applied Information Technology 30th November 2024. Vol.102. No. 22 - Venu Madhav Panchagnula, Ch. Satya Keerthi N.V.L, S. Surekha, R. Sujatha, Duggineni Veeraiah, Eluri Ramesh, Lakshmi B. –“ A Deep Learning Approach for Detecting Malware Using Autoencoder” - IAENG International Journal of Computer Science, Volume 51, Issue 8, August 2024, Pages 1051-1059 Academic year 2023-24 - Venu Madhav Panchagnula, Upendra Chowdary Kurra , Pradeep Mullangi , Balaji Tata, Jammalamadugu Ravindranath, Dasari Rasmitha, Koteswara Rao Kodepogu "An Efficient Machine Learning Based Attendance Monitoring System Through Face Recognition - Revue d'Intelligence Artificielle Vol. 38, No. 2, April, 2024, pp. 693-700 - Dr. Panchagnula Venu Madhav, Dr. Suresh Kumar Pittala, Ashok Kumar Kavuru, A. Murali Krishna, Balaji Tata, Kurra Upendra Chowdary, 7n.Jaya – “Stream Of Traffic Sign Recognition By Means Of Auto Encoder Classification Models” - Journal of Theoretical and Applied Information Technology 15th March 2024. Vol.102. No 5. - Tata Balaji, Kurra Upendra Chowdary, Dr. P Venu Madhav, Dr.A Geetha Devi, Mrs.T. Mahalakshmi, Dr.Surya Prasada Rao Borra, N.Jaya, “Pragmatic Investigations To Smart Dusts Location Appraisal Precisely Using Machine Learning”, Journal Of Theoretical And Applied Information Technology, 2023,101(16),Pp-6301-6309. - Mr.A.Ashok Babu, Dr.G.Sudhavani, Dr.P.Venu Madhav P.Sadharmasasta, Kurra Upendra Chowdary, T.Balaji 7dr.N.Jaya “Deep Learning Centered Methodology For Age Guesstimate Of Facial Images” - Journal of Theoretical and Applied Information Technology 31st March 2024. Vol.102. No 6 - Dr. P.Venu Madhav, Praveen Tumuluru, Dr.T.Venkata Naga Jayudu, Konda Raveendra Kumar, Dr. Ravi Kanth Motupalli, Sunanda Nalajala "Recognition of Covid-19 Over CT Images Using CNN and Transfer Learning", International Journal of Intelligent Systems And Applications In Engineering, ISSN:2147-6799, 2024, 12(3), Pages: 1381–1390 Conference: C. Gangadhar et al., "Analysis of ECG signal and Non-Invasive Blood Glucose Monitoring using Neural Networks," in 2024 4th International Conference on Pervasive Computing and Social Networking (ICPCSN), Salem, India, 2024, pp. 102-106, doi:
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10.1109/ICPCSN62568.2024.00025.

- P. V. Madhav et al., "Design and Implementation of Smart Housing System for Elderly Persons," 2023 International Conference on Recent Advances in Electrical, Electronics, Ubiquitous Communication, and Computational Intelligence (RAEEUCCI), Chennai, India, 2023, pp. 1-5, doi: 10.1109/RAEEUCCI57140.2023.10134421.

Academic year 2022-23

- Subba Reddy V, Venu Madhav, Bhargav M, Anjani Krishna A, Kishore A, Syed Inthiyaz, Sk Hasane Ahammad "Hybrid Autonomous Vehicle (Aerial and Grounded)" - International Journal on Recent and Innovation Trends in Computing and Communication ISSN: 2321-8169 Volume: 11 Issue: 1 DOI: <https://doi.org/10.17762/ijritcc.v11i1.6056> Article Received: 20 November 2022 Revised: 16 December 2022 Accepted: 04 January 2023 Page No:103 – 109.
- Venu Madhav, P., Koteswara Rao, U., Yogitha, A., Subba Reddy, V. (2024). Collaborative Learning Robots. In: Raghavendra, G., Deepak, B.B.V.L., Gupta, M. (eds) Recent Advances in Mechanical Engineering, Volume 2. ICMech-REC 2023. Lecture Notes in Mechanical Engineering. Springer, Singapore. https://doi.org/10.1007/978-981-97-2249-5_32

Academic year 2021-22

- Mr. T. Balaji¹, Sr. Asst. Professor, Dr. P.Venu Madhav², Asst. Professor, Dr. J. Ravindra Babu³, Assoc. Professor, Dr. G.V. Hari Prasad⁴, Professor, "A Novel Predictive Machine Learning Approach in Agricultural Field Monitoring",- International Journal of Food and Nutritional Sciences | Volume 11 | Issue 3 | May 2022
- Dr. P.Venu Madhav¹, Asst. Professor, Mr. T. Balaji², Sr. Asst. Professor, Dr. J. Ravindra Babu³, Assoc. Professor, G.Venkata Hari Prasad⁴, Professor, "An Adaptive Controller for the Specially Challenged",- International Journal of Food and Nutritional Sciences | Volume 11 | Issue 2 | April-June 2022

Academic year 2020-21

- P.Venu Madhav, A.Ashok Babu, "Estimation Of Non-Conductive Properties Of Substrate For Microstrip Antenna",- International Journal For Technological Research In Engineering, Volume 8, Issue 6, February-2021 (Online): 2347 – 4718
- Ashok Babu and P.Venu Madhav, "Effectiveness of Non-Orthogonal Multiple Access by Assessment of 5G Networks", Turkish Journal of Computer and Mathematics

Education Vol.12 No.9 (2021), 694 – 701

- P.Venu Madhav, A. Ashok Babu “Performance of an Effective IOT Enabled Smart System with MQTT Protocol”, Turkish Journal of Computer and Mathematics Education Vol.12 No.9 (2021), 702-708

Academic year 2019-20

- Venu Madhav Panchagnula, VIJAYA ANAND NIDUMOLU, G.L.N. Murthy, “An Efficient Energy Measurement and Control using IoT”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-9 Issue-2, PP: 3441-3444, December 2019, Impact Factor: 5.54.
- P VenuMadhav, Dr. M. Sivaganga Prasad, “Fabrication of Hybrid Fractal Microstrip Antenna for Mobile and Wi-Max Applications”, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-11, September 2019 pages: 3373-3377
- P VenuMadhav, Dr. M. Sivaganga Prasad, “Dual band 1x4 Octagonal Array for mobile & Wifi Applications”, Journal of Advanced Research in Dynamical and Control Systems, June 2019, Vol 2, Pages:1146-115
- Dr.K.Ramanjaneyulu, Professor, Mr. P.Venu Madhav, Assistant Professor, Mr.Surya Prasada Rao Borra, Associate Professor published a paper entitled Vehicle Tracking & Accident Detection System – Journal of Emerging Technologies and Innovative Research (JETIR) Volume 6, Issue 6 ISSN-2349-5162; June 2019.

Academic year 2018-19

- P VenuMadhav, Dr. M. Sivaganga Prasad, “Characterization of printed podal Vivaldi antennas (8-18 Ghz) on RT duroid with single and double cavity” , International Journal of Recent Technology and Engineering, April 2019, Vol 7, pages: 1984-1989

Academic year 2017-18

- P VenuMadhav, Dr. M. Sivaganga Prasad, “Investigation on octagonal shape complimented microstrip antenna for low frequency operations using CSA- Alogirthm. IJSER- Vol 8, Issue 8, Aug-2017.
- P VenuMadhav, Dr. M. Sivaganga Prasad, “Topology Optimization of dual octagonal Array Antenna for low frequency applications . 15th -17th March 2nd National Conference on Knowledge Base Inventive Telecommunication Systems NCKITS- 2018.

Academic year 2016-17 (Conferences)

- P. Venu Madhav and Dr.M.S.G. Prasad, "E-Shape Top Loaded Octagonal Patch Antenna for Small Frequency Applications" – October, RACEE2016, NITW.
- P.Venu Madhav, Dr. M.S.G Prasad, "Octagonal CPW structured SRR for low frequency applications NCKITS-2017, Guntur
- P VenuMadhav, Dr. M. Sivaganga Prasad, "Interleaved Metallic Octagonal Structures for Low Frequency Applications", International Journal of Control Theory and Applications, ISSN: 0974-5572, International Science Press, Volume 10 • No. 35 2017.

Academic year 2014-15

- P.Venu Madhav, V. Sirisha "Design and Analysis of RF MEMS Switchable LPF" International Journal of Engineering & Science Research, IJESR Nov'14, Vol-4, Issue -11, pages 825-835. ISSN 2277-2685.

Academic year 2012-13

- P.Venu Madhav, V. Nagaraju, V. Manoj kumar "Optimization of patch size of fractal hybrid antenna for GPS application", International journal of engineering research and applications, IJERA, Vol 3, issue 1, jan-feb 2013 page 2003-08, ISSN:2248-9622.
- P.Venu Madhav, V. Manoj kumar , V. Nagaraju "Multiband Fractal Antenna for WiMax Application", International journal of engineering research and applications, IJERA, Vol 3, issue 1, jan-feb 2013 page 1988-1994, ISSN:2248-9622

Academic year 2011-12

- J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao, " Performance Analysis of coherent and non-coherent MMSE interference suppression for DS-CDMA", International Journal of Advanced Engineering Sciences and Technology, vol 8, Issue No. 2, ISSN No. 223027818 Pg. No. 238-242.July 2011.

Academic year 2010-11

- J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao, " Adaptive DS-CDMA Receiver with Code Tracking (BPSK) in Phase Unknown Environment", International Journal of Technology and Engineering System, Vol 1 No.1, ISSN: 0976-269X January-June 2010

National Journals:

- J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao

“Low Complexity Multi-user Detection in DS-CDMA Using DFE”, i-manager’s Journal on Electronics Engineering (JELE) ISSN: 2229-7286, March – May’2011.

International Conferences:

- J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao, “BER Performance of Multi user MT-DSCDMA using Spreading Codes in Fading Channel”, IEEE Conference on Computational Intelligence and Computing Research , Dec 15-18th 2011, Kanyakumari.

National Conferences:

- J.Ravindrababu, P.Venumadhav and Dr.E.V.Krishna Rao “Implementation of Call Processing Using DS-CDMA” National conference on Advances in Recent Trends in communication and Networks (ARTCON 2010), January 15-16,2010,Organized by Department of Electronics & Telecommunication Anna saheb dange college of engineering and technology, Ashta.
- J.Ravindrababu, P.Venumadhav and Dr.E.V.Krishna Rao “Evaluation of performance in Wide Band CDMA” National conference on Emerging Trends in Electronics & communication Feb 6th 2010, Jointly organized by the Department of Electronics & communication Engineering and, Electronics & instrumentation Engineering, St.Ann’s college of engineering & technology, Chirala, Andhra Pradesh.
- J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao “PERFORMANCE OF MULTIUSER DETECTION IN DS-CDMA FOR AN ULTRA-WIDE-BAND” National conference on Emerging Trends in Electronics Engineering and Computing E3C 2010, 9th & 10th February,2010.Technically Co-sponsored by Computer Society of India (CSI) & IETE, Organized by Department of Computer Science & Engineering and electronics Engineering, JD College of Engineering , Nagpur (MS).
- J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao “Evaluate the performance of Adaptive DSCDMA Receiver for Multiuser Detection” National conference on Signal Processing and Communication Systems (NCSPCS - 2010), February 25th and 26th ,2010, Organised by Department of Electronics & communication Engineering, R.V.R & J.C. College of Engineering, Chandramoulipuram, Chowdavaram, Guntur.
- J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao “Performance Evaluation of Multi-Carrier DS-CDMA Systems” DRDO Sponsored National Level conference on Wireless Technologies for Urban Security (NCWTUS - 2010), April 9th and 10th ,2010, Organized by Department

	of Computer Science & Engineering, Sri Venkateswara college of engineering and technology , Chittoor. - J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao “Estimating the channel impulse response , Activity threshold detection using LMS Algorithm in DS-CDMA” National conference on Signals, Systems and Communication (NCSSC -2011), April 29th , 2011, Organized by Department of Electronics & communication Engineering, SKR Engineering College, Agarmel, Poonamallee, Chennai. - J.Ravindrababu, P.Venumadhav, and Dr.E.V.Krishna Rao “BER Performance of BPSK and QAM Techniques for Multiuser Detection in DS-CDMA using PDA Algorithm.” National conference on Signal processing, Communications and VLSI Design (NCSCV -2011), May 6th and 7th, 2011, Organized by Department of Electronics & communication Engineering, Anna University of Technology, Coimbatore.
Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)	Total 19 FDP's
Details of Projects Applied / Awarded	
Any Other information	- CMMI Certified Appraisal Team Member .NET Application Developer- DATAPRO –India - Certified TESTER -DATAPRO – India Certifications - IBM Main Frame Skilled Programmer - CMC, RECW - AS/400 Skilled Programmer- CMC-HYD

Signature

FACULTY DEVELOPMENT PROGRAM(FDP)

S.No	Name of the FDP	From DATE	To DATE	Duration	Address	Resource Person Names	Sponsored By	Organized By	Down Load Certificate
1	Internet of things and predictive control	01-02-2025	05-02-2025	5 Days	Dept. of EEE, NIT Warangal	1. Prof. Altaf Badar 2. Dr. Mahumud Elsisi 3. Dr. Debasmita Panda	GIAN	Dept of EEE, NIT Warangal	
2	Malaviya Mission Teacher Training Programme (MM-TTP)	19-07-2024	27-07-2024	9 Days	Osmania University, Hyderabad	1. Prof. Narendranadh Menon 2. Prof. Anurag Chuhan 3. Prof Rajesh	Malaviya Mission	Osmania University	
3	Nature inspired Engineering	03-07-2024	05-07-2024	3 Days	Amritha Vishwa vidyapeetham, coimbatore	1. Dr. Navya Mohan 2. Mr. Ganesan 3.	IETE	Dept. of ECE, Amritha Vishwa vidyapeetham, coimbatore	
4	National workshopon Advanced Antennas for space, vehicular and ground applications	07-03-2024	09-03-2024	3 Days	Dept. of Electronics & Communication Engineering, Osmania University, Hyderabad	1. Mr. Rao 2. Dr. M. Chakravarthy 3.	IEEE OUCE MT & APS-SBC	Dept. of Electronics & Communication Engineering, Osmania University, Hyderabad	

5	Neural Networks and Fuzzy Logic	21-08-2023	01-09-2023	12 Days	NIT chandigarh	1. Kumar		NIT chandigarh	
6	Dr. P.Venu Madhav	20-02-2023	24-02-2023	5 Days	NITTTR, chandigarh	1. Gurima			
7	Enhancing Research Capabilities for Academic Career Progression	05-09-2022	09-09-2022	5 Days	NITTTR, Chandigarh	1. Dr. Harsh Vardhan Samalia		Entrepreneurship Development and Industrial Coordination Department, NITTTR, Chandigarh	
8	VLSI Design & Nanoelectronics: Emerging Challenges & Opportunities	01-09-2022	08-09-2022	8 Days	IIITDM Jabalpur	1. Pankaj Sharma	Electronics and ICT Academy	IIITDM Jabalpur	
9	Millimeter Wave Frequencies (Phase-III)	17-08-2021	24-08-2021	8 Days	Dept. of ECE, Gudlavalleru Engineering College.	1. Rushyendra Babu 2. Dr. B.T.P Madhav 3.		AICTE-ISTE sponsored One week Online Induction Programme-GEC	
10	ADVANCES IN WIRELESS COMMUNICATION TECHNOLOGIES	07-06-2021	12-06-2021	6 Days	Maisammaguda (H), Medchal-Malkajgiri District, Secunderabad,	1. Prof. Zahoor Ahmed 2. Dr. Kaiser J GIRI 3. CH. Chakradhar	MALLA REDDY ENGINEERING COLLEGE	Department of Electronics and Communication Engineering.	
11	Millimeter Wave Frequencies (PHASE II)	16-03-2021	22-03-2021	7 Days		1. Prof. NVSN Sharma, Prof. L. Anjaneyulu 2. Dr. B.TP Madhav	AICTE-ISTE sponsored One week online Induction Programme	Department of Electronics and Communication Engineering, Gudlavalleru Engineering	

						3. Dr. Sulakshana		College	
12	Workshop on Cyber Security	13-05-2020	17-05-2020	5 Days	greater noida	1. Deepak Garg	Bennette University Greater Noida	Royal Academy of Engineering	
13	one week online FDP on Advanced antenna Design using HFSS	12-05-2020	17-05-2020	6 Days		1. Dr. P Nageswara Rao	IEEE	Santhiram Engineering College	
14	Faculty development program on machine learning with R programming	11-05-2020	16-05-2020	6 Days		1. Y Narasimha Rao	QIS college of Engineering & Technology	QIS college of Engineering & Technology	
15	NAAC Awareness Programme for faculty	08-05-2020	14-05-2020	7 Days	Pune	1. Dr. RV Bhortake	MMIT Lohgaon	Marathwada Mitramandals Institute of Technology, Pune	
16	Recent Trends in Advanced Communications	04-05-2020	09-05-2020	6 Days		1. B.T.P Madhav		LBR College of Engineering	
17	AI for everyone	29-03-2020	29-04-2020	32 Days		1. Andrew Ng	Deeplearning.ai	Courseera	
18	Programming for Everybody(Getting started with python)	27-03-2020	27-04-2020	32 Days		1. Charles Severance	University of Michigan	CourseEra	
19	A 4Day online FDP on Data Science & Machine Learning using Python	20-04-2020	23-04-2020	4 Days	Greenfields Guntur	1. S. Sridevi		KL University	