

Dr. Venkata A N Ravi Kumar Dwarapu

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Career Objective :

To work in a creative, challenging environment and achieve growth oriented career in an organization where I can contribute best to the growth of the organization and my technical skills.

Teaching Experience

- ◆ Currently working as Assistant Professor in Department of ECE in Gayatri Vidya Parishad College of Engineering for Women from August 29,2009 to till date.(Total Experience 10 Years)

Qualification	School/College	University/Board	Period	Percentage of Marks
Ph.D	University College of Engineering JNTUK, Kakinada	J.N.T.U,Kakinada	2012-2019	-
M.Tech (Microwave & Radar Engineering)	Andhra University College of Engineering,AU, Visakhapatnam.	A.U	2007-2009	8.82 CGPA
B.Tech(Electronics and Communication Engineering)	SISTAM College of Engineering, Srikakulam	JNTU	2002-2006	70.74
Intermediate	Vikas Junior College, Visakhapatnam	Board of Intermediate,A.P.	2000-2002	85.55
10 th	St.Josephs School, Srikakulam	ICSE, New Delhi	2000	69.4

Technical Skills :

- ◆ Languages : C Language.
- ◆ Software Packages : MATLAB

Personality Traits:

- ◆ Ability to work in teams.
- ◆ Adaptability to new environments.
- ◆ Ability to work in time bound crisis situations.
- ◆ Hard working and result oriented.

Member Ship:

- ◆ Member of Indian Society for Technical Education.

Subjects Taught :

Electronic Devices and Circuits
Pulse and Digital Circuits
Principles of Communications
Linear and Digital Ic Applications
Signals and Systems
Linear Ic Applications
Digital Signal Processing
Random Variables and Stochastic Processes

Online Courses (NPTEL):

S.No.	Title of Lecture	Organization Details	Duration & Dates	Score	
1	Analog Communications	NPTEL	July-Oct 2018	90%	1%Topper(Gold Medal)
2	Discrete Time Signal Processing	NPTEL	July-Oct 2018	82%	5% Topper(Elite)

Journal Publications :

- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju, "A Novel Estimation algorithm for torpedo tracking in undersea environment" *Journal of Central South University*, Vol.26, No.3, pp.673-683, April 2019.
Indexed by: SCI, SCOPUS, GOOGLE SCHOLAR
- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju, "Estimate Merge Technique Based Algorithms to Track an Underwater Moving Target using Towed Array's Bearing-Only Measurements" *Sadhana*, Vol. 42, Issue 9, 1617-1628, 2017.
Indexed by: SCI, SCOPUS, GOOGLE SCHOLAR
- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju, "A Novel Stochastic Estimator using Pre-Processing Technique for Long Range Target Tracking in heavy Noise Environment", *Optik*, vol.127, no.10, pp.4520-4530, 2016.
Indexed by: SCI, SCOPUS, GOOGLE SCHOLAR
- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju, "Integrated Unscented Kalman filter for underwater passive target tracking with towed array measurements", *Optik*, vol.127, no.5, pp.2840- 2847, 2016.

Indexed by: SCI, SCOPUS, GOOGLE SCHOLAR

- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju, "Performance Evaluation of a Novel Hybrid Stochastic Algorithm while Tracking an Underwater Moving Target", *International Journal of Pure and Applied Mathematics*, Vol. 117 Issue 18, 373-378,2017.

Indexed by: SCOPUS, GOOGLE SCHOLAR

- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju , "Underwater Bearings-Only Passive Target Tracking Using Estimate Fusion Technique", *Advances in military technology*,vol.10, no.2,pp.31-44,2015.

Indexed by: SCOPUS, GOOGLE SCHOLAR

- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju, "Under Water Active Target Tracking Using Kalman Filter", *International journal of Engineering Research and Technology*,Vol. 2 Issue 10, 3982-3988,2013.

Indexed by: GOOGLE SCHOLAR

- ◆ G.N.Durga and **D.V.A.N.Ravi Kumar**, "Gdi Technique Based Carry Look Ahead Adder Design", *IOSR Journal of VLSI and Signal Processing*,Vol.4,Issue 6, Ver1,pp. 1-9,Nov-Dec 2014.

Indexed by: GOOGLE SCHOLAR

Conferences Publications :

- ◆ **D.V.A.N.Ravi Kumar**, S Koteswara Rao, K Padma Raju, "Improved UKF with time and space averaging of measurements" ,Proceedings of a two day conference on VLSI design, signal processing, image processing, communications and embedded systems(VSPICE2K18)",19-20,july 2018.

- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju, "Design of a Robust Estimator for Submarine Tracking in complex environments", Proceedings of ICMEET-2017, ,Hyderabad,9-10 sept.2017 published In *Microelectronics, Electromagnetics and Telecommunications*, springer,Singapore,2018. Part of the Lecture Notes in Electrical Engineering book series (LNEE, volume 471)pp.273-282.

Indexed by: SCOPUS,GOOGLE SCHOLAR

- ◆ S.Koteswara Rao, **D.V.A.N.Ravi Kumar** and K.Padma Raju, "Combination of Pseudo Linear Estimator and modified gain bearings-only extended Kalman filter for passive target tracking in abnormal conditions", *Ocean Electronics(SYMPOL)*, Kochi, pp3-8,2013.

Indexed by: SCOPUS,GOOGLE SCHOLAR

Conferences with out Publications :

- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao, and K.Padma Raju, “Torpedoes tracking in underwater scenarios using advanced stochastic estimator”, " knowledge based inventive Telecommunication systems"(NCKITS-2017) in KKR & KSR institute of technology and sciences, Guntur on 16-18, March, 2017.

Book Chapter Publications :

- ◆ **D.V.A.N.Ravi Kumar**, S.Koteswara Rao and K.Padma Raju, “A Couple of Novel Stochastic Estimators Designed and Tested to Promote the Usage of Towed arrays on the Regular basis for Passive tracking”. Proceedings of ICAIESES 2017 ,Madanapalle, 27-29 April, 2017, published in Artificial Intelligence and Evolutionary Computations in Engineering Systems pp 645-656. Part of the Advances in Intelligent Systems and Computing book series (AISC, volume 668)

Indexed by: SCOPUS, GOOGLE SCHOLAR

- Total No of Articles published:13
 - Total No of Articles published in Journals:8
 - Total No of Articles published in SCI Journals:4
 - Total No of Articles published in Scopus Journals:6(including above 4 SCI Journals)
 - Total No of Articles published in Google scholar indexed:8
 - Total No of Articles published through Conferences:4
 - Total No of Articles published in Scopus:3

Projects Guided:

- Guided 20 B.Tech Projects and 2 M.Tech Projects.

FDP's, Workshops & Conferences Attended:

- A three day workshop on "Custom Analog and Digital IC Design using Mentor EDA Tools(ADICD-2018)", GVPCEW, 27-29 September, 2018.
- A Two day Workshop on “Signal Processing and Communication Systems” Organized by the GVPCEW, 15-17 Nov, 2017.
- Attended one week training program on "DATA ANALYTICS WITH R AND TABLEAU" at AU college of Engineering, Visakhapatnam on 8-12 January, 2017.
- Attended a FDP on "ADVANCED DIGITAL SIGNAL PROCESING AND APPLICATIONS" at MVGR College of Engineering(A), Vizianagaram on 8-13, November, 2016.
- Workshop on "ELECTROMAGNETICS AND RF FUNDAMENTALS(EMRF-2016)" conducted at Gayatri Vidya Parishad College of Engineering for Women in 22-24 Jan, 2016.
- Workshop on "COGNITIVE RADIO TECHNOLOGIES(CRT-2015)" conducted at Gayatri Vidya Parishad College of Engineering for Women in 25-26 Sep., 2015.

- Attended 3rd International Conference on "Micro-Electronics, Electromagnetics and Telecommunications"(ICMEET-2017) at BVRIT Hyderabad college of Engineering for women, Hyderabad on 9-10, September, 2017.
- Attended a joint international conference on Artificial Intelligence and Evolutionary computations in Engineering systems(ICAIECES-2017)& power, circuit and information technologies(ICPCIT-2017) organized by department of EEE, CSE & ECE at Madanapalle institute of technology & science, madanapalle, chittoor, on 27-29 April, 2017.
- Attended national conference on "knowledge based inventive Telecommunication systems"(NCKITS-2017) in KKR & KSR institute of technology and sciences, Guntur on 16-18, March, 2017.
- Attended the seminar on "MATLAB & Simulink for engineering education" by MathWorks at Visakhapatnam on 26, February, 2015
- Attended International symposium on "Ocean Electronics (SYMPOL-2013)" organized by centre for ocean electronics, Department of electronics, Cochin university of science and technology during 23-25 Oct., 2013.
- Attended the two-week audit course on "Research Methodologies" Conducted by Directorate of Research & Development, JNTUK, Kakinada during 1-15 May, 2013.
- Attended the two-week audit course on "Intellectual Property Rights and Patents" Conducted by Directorate of Research & Development, JNTUK, Kakinada during 15-30 May, 2013.
- Attended a workshop on "MATLAB and its Applications in communications and signal processing" organized by department of Electronics and Communication Engineering, Andhra university College of Engineering(A), Visakhapatnam on 12-13 Nov., 2011.

Achievements:

- Received Gold medal from IIT Kharagpur for securing 90% marks (1% Topper) in the NPTEL exam on Analog Communication in Jul-Oct 2018.
- 5% Topper with 82% marks in the NPTEL exam on Discrete Time Signal Processing in Aug-Sep 2018 conducted by IIT Kharagpur.
- Received best paper award from ECE Department, JNTUK for the paper "Improved UKF with time and space averaging of measurements" Presented at VKSPICE-2K18.
- Received certificate of appreciation from GVPCEW for publications in SCI indexed journals during the academic year 2017-2018.
- Received certificate of appreciation from GVPCEW for publications in SCI indexed journals during the academic year 2016-2017.
- Qualified GATE-2007 with an all India rank of 3126.
- Ratified as Assistant Professor by JNTUK in the year 2013.

- Reviewer of an SCI Journal named “Electronic Letters” published by The institution of engineering and technology(IET).
- Won the World Research Peace Awards 2019 for the work “A Couple of Novel Stochastic Estimators Designed and Tested to Promote the Usage of Towed Arrays on the Regular Basis for Passive Tracking” awarded by RULA AWARDS".(Note:Have not attended and not received it).

Personal Profile :

Date of birth : 07 – 10 – 1984
Father’s name : D.Narayana Rao
Gender : Male
Marital status : Married
Languages known : English and Telugu
Nationality : Indian.

Declaration :

I here by declare that all the information mentioned above is true to the best of my knowledge.

Date:12/09/2019

Place:Visakhapatnam

[Dr.VENKATA A N RAVI KUMAR DWARAPU]