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Designation: Associate Professor

Department: Electronics and Communication Engineering

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Date of Joining in the Institution: 10-07-2003

Academic Excellence:



Qualification	Board/ University	Division	Year
Ph.D	BERHAMPURUNIVERSITY	AWARDED	2022
M.TECH	JNTU,HYDERABAD	FIRST	2007
B.E	GITAM(ANDHRAUNIVERSITY)	FIRST	1995
S.S.C	MAHATMA GANDHI MUNICIPAL CORPORATION OF SCHOOL,VIZAG(A.P)	FIRST	1988

Total Years of Experience (Teaching/Industry): 19 years

Sl. No	Organization/Institution/ Industry	Designation	Period Of Working	
			From	To
1	AITAM, Tekkali	Assoc.Prof	01-02-03	Till Date
2	Rao & Naidu Engg.College, Ongole	Asst.Prof	13-09-2000	31-01-03
3	KLC Engineering College, Guntur	Lecturer	2-12-98	12-09-2000
4	VKR & VNB Polytechnic, Gudivada	Assoc Lecturer	28-07-97	1-12-98
5	Protec, Vizag	Service Engineer	01-11-95	25-12-96

Areas of Interest:

1. Signal Processing
2. Electronics Devices
3. Control Systems
4. Signal and Systems
5. Electro Magnetic Fields

Guidance of Academic Projects:

- Doctoral Projects : Nil
- i) Masters Projects : 10
 - ii) Bachelor Projects : 25

Sponsored Research Projects :

Government of India Sponsored Research Projects: 02(completed)

S. No.	Sponsoring Agency	Title of the Project	Grant
1	UGC	Feature Extraction And Pattern Recognition earth Quake Signals Using Fractional Domains	3.00 Lakhs
2	DST- INDIA	Conducted National conference on “ RF and Microwave communication ” on 22,23 AUG 2016, as a convener	1.00 lakh

Honors and awards: -

"Design of Tunable Integrator and Differentiator using Fractional Fourier Transform" at ICCSP-2012, Ongole, India. 2-4, April, 2012(AICTE sponsored conference)..

Advisory Member:

- 1) Tektranz Innovations Pvt. Ltd. Navi Mumbai.
- 2) E- Services Visakhapatnam

Memberships of Professional Societies and Other Organizations:

- 1) **ISTE(LM)**—LM 58292
- 2) **IETE (LM)** –AM 210690

Consultancy work: 01

- 1) Completed 01 lakh work for WAF enterprises , **Visakhapatnam**

Details of Publications:**Patents:**

- 1) Access Network selection systems, Device and method for reducing specific absorption values for cell phones, 2019
- 2) Design of an real time smart health care system through data mining and IoT”, 2020.

Details of Publications:

- 3) Total Impact Factor : 13.1345
- 4) H.Index : 04
- 5) Total Citations(31) : 45.(IEEE xplorer, Scopus indexed papers)

International Journals:

- [1] P.V. Muralidhar et.al, **“Noise Removal in Cardiac Signal by Shadow Design Filters”**. IJERT, Volume: 2, issue :10, October 2013, Impact Factor : 1.76.
- [2] P.V. Muralidhar et.al, **“Analysis of Clonal Algorithm based Window using Fractional Fourier Transform”**. IJERT, Volume: 2, issue:10, October 2013, Impact Factor : 1.76.
- [3] P. V. Muralidhar, Y. Srinivasarao & M. S. R. Naidu, **“Convolution theorem for fractional Laplace transform”**, international journal of electronics, communication & instrumentation engineering research and development (ijecierd), vol.3, no.4.,pp:37-40., issn: 2249-684x.,(2012).trans-teller.Impact Factor:2.978 citations : 02
- [4] P.V.Muralidhar ,M.V..Tirupatamma**“Convergence newton – codes quadrature of difference sampling period to bilinear transformation”** ,ijecce,volume 4 issue 4, july 2013 pp-1282-1284issn(online): 2249 - 071x .impact factor:1
- [5] P.V.Muralidhar, **“S/N-ecg signal with hybrid window technics”**,international journal of science,engineering and research. vol 1, no 4 (2012) ijsetr october-2012.
Citation : 01
- [6] P.V.Muralidhar, A.S.Srinivasarao & Dr. S.K.Nayak **“Spectral interpretation of sinusoidal signal using frft windows function”**, pp 652 – 658, vol. iv,no.6 irecos-italy- nov. 2009 (scopus journal) i.c. value 6.14,

Citations:12(google scholar), 3(non-google scholar) scopus

- [7] P. V. Muralidhar et.al. **“Frequency invariant beam patterns using fractional fourier transform”**, international j.of multidispl.research&advcs. in engg. (ijmrae), issn 0975-7074, vol. 2, no. ii, july 2010, pp. 123-134, impact factor: 0.1615
- [8] P.V.Muralidhar, Ch.Rajasekhararao, Dr.S.K.Nayak, Dr.T.Sahu & R.Chaitayasagar **“Implementation of different low pass filter using fractional fourier kaiser window”** nal ijmrae, vol.3, no:ii, pp:63-75, april-2011. impact factor: 0.1615
- [9] P.V. Muralidhar, Ch.Rajasekhararao, Dr.S.K.Nayak, Dr.T.Sahu **“Implementation of 2d FRFT from 1d FRFT to an image”**..International journal of engineering research and industrial applications (ijeria), issn 0974-1518, vol.4, no. ii (may 2011), pp 15-24. impact factor: 0.1521
- [10] P.V. Muralidhar et.al, **“Image masking with 2-d fractional fourier windows”** vol.3,no.iv,(oct-2011),pp.331-348,ijmrae., impact factor: 0.1615
- [11] P.V.Muralidhar, Dr.S.K.Nayak”, **Generalization of fixed and flexible window functions”**
volume .2, issue.3, pp 9-13, imanager’s Journal on Digital Signal Processing (JDP), 2014.
, Citation : 01
- [12] P.V. Muralidhar, **“A New Class Of Infinite Impulse Response (IIR) Filters”**. Volume.2, issue.3, pp 31-35, imanager’s Journal on Digital Signal Processing (JDP), 2014.

- [13] PV Muralidhar, DVLNsastry , SK Nayak, **“Interpretation of Dirichlet, Bartlett, Hanning and Hamming windows using Fractional Fourier Transform”**- International Journal of Scientific & Engineering ..., 2013 .

Citations: 04(Google scholar), 03(Non-Google scholar)

International Conferences:-

- [1] P V .Muralidhar,Sastry D V L N, S K.nayak, "Spectral analysis of shadow windows-FIR filters **“DOI:<http://doi.searchdl.org/03.LSCS.2013.1.545>** IDES desk
Citations:01(Google scholar)
- [2] P.V.Muralidhar, D. Nataraj, V. LokeshRaju& Dr. S.K.Nayak **“Implementation of High Pass Filter using Fractional Fourier Kaiser window”**, **IEEE Xplore** Aug.2010, ISBN 978-1424468928,Vol2, pp651-655.DigitalObjectIdentifier : 10.1109/ICSPS.2010.5555740
Citations: 12(Google scholar), 06(Non-Google scholar)
- [3] P.V.Muralidhar,A.S.Srinivasarao& Dr. S.K.Nayak **“Fractional Fourier based FIR window function”**, **RSPS-2010 I EEE International conference**, pp. 205-210, 2010.
Citations:03(Google scholar),03(Non-Google scholar)
- [4] P.V.Muralidar.et.al. **“Time delayed signals SNR by using FRFT low pass filter”**. 1st International conference on emerging trends in Signal processing and VLSI design, Gurunanak Engineerig College.
- [5] P. V. Muralidhar. et.al. **“Analysis on performance of frequency invariant beam formers by using discrete window FIR filters”**.1st International conference on emerging trends in Signal processing and VLSI design.Gurunanak Engineerig college.
- [6] P.V. Muralidhar et.al**“Analysis of ECG Signal Using Pole-Zero Transform in Fractional Domain”** **IETET-2011/285**, kurukshetra.21-23, oct 2011.
- [7] P.V. Muralidhar et.al **"Design of Tunable Integrator and Differentiators using Fractional Fourier Transform"** at **ICCS-2012**, Ongole, India.,2-4, April,2012.
(Best paper)
- [8] P.V.Muralidhar et.al **“Generalization of Windows using Discrete Fractional Fourier Transform”**. International Conference on Innovations in Engineering and Technology (ICIET'2013) Dec. 25-26, 2013 Bangkok (Thailand)
<http://dx.doi.org/10.15242/IEE.E1213508>

National Conference:

- [1] P.V.Muralidhar, A.S.Srinivasarao & Dr. S.K.Nayak **“Fractional Fourier of two new pulses”**, **NCASP-2009 National conference**, pp. 112-114., 2009.

- [2] P.V.Muralidhar, A.S.Srinivasarao & Dr. S.K.Nayak “Fractional Fourier Transform based FIR window based signal & image processing”, Vol-1, NCI-2008 NATIONAL Conference, pp. 101-108, 2008.

Details of Conferences / Workshops / Refresher Courses Organized:

1. A Two Day National level workshop on “Soft computing Application Communications And Management” (SACAM-2012) as a **Co-Convener** .
2. As a **Co-Convener** for E-SPACE-2k15 National conference organized by dept.of E.C.E(AITAM)

Details of Conferences / Workshops / Refresher Courses Attended:

- 1) Quality improvement programme for engineering faculty on “pedagogy training(basic module)” from 30-09-2013 to 04-10-2013 at **NITTTR, CHANDIGARH**.
- 2) Quality improvement programme for Engineering faculty on “ cellular and mobile communications” from nov28 to dec02,2005 at Lakireddy Balli Reddy college of engineering, **MYLAVARAM – 521230, KRISHNA DIST ., A.P**
- 3) Two day National workshop on advances in signal and image processing (asip – 2006) during 27th&28th, february 2006 JNT university, college of Engineering , **KAKINADA, A.P.**
- 4) A Two day National workshop on “Advances in Signal and Image processing” (ASIP-13) on 1st& 2nd March 2013 at AITAM, Tekkali.
- 5) A one week programme on Management Enhancement program at **IIM, KOZIKODE, KERALA**
- 6) A one week refresh workshop on ANTEMMAS at AITAM Engineering College, **TEKKALI**

Other Achievements:

1. Visited **CHINA** for paper presented in IEEE conference during 5-7, July 2010.
2. Visited **BANGKOK** for paper presented in IIE conference during 23-27, Dec 2013.
3. Visited **SINGAPORE** for paper presented in INTERNATIONAL conference during 7-9, Dec 2016.
4. Reviewer for the **ICICS** international conference-2011, **Singapore**.
5. Reviewer for Prestigious journal “**IET-Signal Processing**”.
6. **Mission 10X** (Wipro) teaching skills certificate holder.
7. Acted as judge for **stepcone-2015** at **GMRIT** student’s conference.
8. Secured GATE Score 87 percentile in GATE-2001
9. Ratified as Lecturer in 2000 in JNTUH selections.
10. Ratified as Assoc. Professor in 2008 in JNTUH selections.
11. Technically and advisory member for **WAF** enterprises, Visakhapatnam.
12. Acted as a member for **IFERP** conferences.
13. Reviewer for **IJRECT** journal
14. Maintaining **D(EA)r.** you tube channel both for education and entertainment purpose
15. You Tube Link : <https://www.youtube.com/channel/UCoBL9L9CjsaBEDrf4tanrjA>

Signature