Dr. D. Venkat Reddy
Professor

Education Qualifications: Doctor of Philosophy
Specialization: Digital Signal Processing

ADDRESS:
- C – Block -Room No 204

JNTUH ID: 07150402-114612

EMAIL:
    dvenkatreddy_ece@mgit.ac.in

DATE OF JOINING:
    11-10-2000

EXPERIENCE - 30 Years
- Teaching - 26
- Research - 04
- Industry - 04
- Others –

SUMMARY:
- Publications - 19
- Conferences - 07
- Patents – 0
- Books – 1
- Honors/Awards - 0

EVENTS:
- Organized - 02
- Attended - 14

LET'S MEET ON SOCIAL:

Membership of Professional Bodies:
    1. IETE, 2. ISTE

Responsibilities Held At Institution Level
1. Worked as TPO
2. Chairman-Students Affairs Committee
3. Member-Ranking and accreditation cell committee
4. Director Student Welfare
5. Member, Anti-drug Abuse Committee

Responsibilities Held At Department Level
1. In-charge for M.Tech
2. Coordinator for Autonomous & NAAC

Publications:
International Journals: Fifteen (15) Papers

1. D. VENKAT REDDY,M.N.NARSAIAH,DR S.VATSAL" Spatial domain fusion of Digital images using pixel –wise dyadic operations and opacity controlled superimposition" Jour of Adv Research in Dynamics and control systems, Vol.10, sep, 2018.

2. D. VENKAT REDDY,G.Ravi kumar, Dr M.Asha rani" Design of low power Ring oscillator for Integrator based Analog filters" Journal of Adv Research in Dynamical and control systems, Vol-10, Oct 2018.

3. D. VENKAT REDDY,M.N.NARSAIAH,DR S.VATSAL" Review and analysis on Techniques of image fusion for medical applications." Jour of Applied science and computations", volume 6, issue 2. Feb-2019.

4. D. Venkat Redddy, Bhargavi, A. Damoder **"Video Watermarking Using Neural Networks, IJCSA**,March-2019.

5. D. VENKAT REDDY,M.N.NARSAIAH,DR S.VATSAL" A survey on Image Fusion requirements., Techniques, Evaluation Metrics, and its Applications" International journal of Engineering and Technology, 2018.

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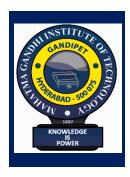- Research - 04
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6. D. Venkat Reddy, Bhargavi, A. Damoder" Robust Video Watermarking Using Secret Sharing and Cuckoo Search Algorithm "International journal of innovative technology and exploring Engineering(IJITEE), vol- X, issue –X, July 2019.

7. D. VENKAT REDDY,M.N.NARSAIAH,DR S.VATSAL " Dual filter based Images fusion Algorithm for CT and MRI Medical Images" International journal of innovative technology and exploring Engineering(IJITEE), vol- 8, issue –9, July 2019.

8. D. VENKAT REDDY,M.N.NARSAIAH,DR S.VATSAL "**Analysis of Metric based Wavelets for Medical Image Fusion"** International Journal of Advanced Science and Technology Vol. 28, No. 16, (2019), pp. 888-894.

9. D.Venkat Reddy,V.V.satyanarayana, K.Raghu,Venkat naresh" Hybrid tone mapping with structural and edge preserving priors", International journal of advanced science and technology, volume 27, N0 7,(2020),pp 5135-5143.

10. D.venkat reddy, V.V.Satyanarayna, V.S.N kumar deva raju,"early detection of diabetic retinopathy using Imagnet" Journal of critical reviews---Accepted for publication-june 2020.

11. D,Venkat Reddy,M.Naresh, "Fuzzy Based Resource Allocation in 4G-LTE" International Journal of Scientific & Technology Research, ISSN:2277-8616, Vol.9, Issue1,pp:474-479, January2020.

12. D. VENKAT REDDY,M.N.NARSAIAH,DR S.VATSAL, "Medical image fusion using hybrid wavelet transform" International journal of Advanced science and technology" Vol 29,No.08,(2020), pp5480-5487

13. Multi-objective emperor penguin handover optimization for IEEE 802.21 in heterogeneous networks. IET Communications & Wireless personal Communications.

14. D venkat Reddy, M.Naresh "Vertical handover in heterogeneous networks using WDWWO algorithm with NN" communicated. International journal of Electronics, March-2021, Vol. 29, No. 08, (2020), pp. 5480-5487

15. D. Venkat Reddy, Bhargavi, A. Damoder "video water marking using neural networks" International journal of information and computer security", vol 14, no 1, Jan 2021.

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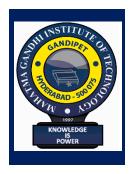- Organized - 02
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National journals : Four (4) Papers

1. D. Venkat Reddy, Ch. D. V. Paradesi Rao and E. G. Rajan "Multilevel Coding Approach to Fast Genomic Processing" CIIT journal of Research, vol 3, no.8 Sep-2011, pp 415-422.
2. D. Venkat Reddy, KVNM Prasad, K.Ramalinga reddy "GENOMIC SIGNAL PROCESSING IN THE FRAMEWORK OF MVL" .IUP journal of research, vol IV No.3, july-2012,pp 45-63.
3. D. Venkat Reddy **"Design of High speed Digital Filters for DSP Applications"** Indian Journal of Advances in Electrical Engineering, Sep 2013.
4. D.Venkat Reddy, A.Murali " Integrating FPGAs with trigger circuitry core system insersions for observability in debugging process"Journal of Engineering and applied sciences Nov 2016.

Conferences:
International: Seven (07) Papers

1. D. Venkat Reddy, Ch. D. V. Paradesi Rao and E. G. Rajan "Fast Processing with multi-valued representation to Genemic Signal Processing" 2010 International Conference on Advances in Computer Engineering, IEEE, Bangalore, June 2010, pp.183-187.

2. D. Venkat Reddy, Ch. D. V. Paradesi Rao and E. G. Rajan "Toggle coverage for ALU using VHDL" International conference on Advances in computing, communication and control, Mumbai, 28-29 Jan 2011

3. D. Venkat Reddy, S, Ramesh Babu " An interference control in Wireless Cellular System using Load Matrix" at the International Academic Conference on Electrical, Electronics and Computer Engineering (IACEECE), Hyderabad on 22 Sep 2013

4. M.Naresh kumar D. Venkat Reddy, K.Rama linga reddy "Vertical Handoff Combined with Local Route Repair based on SINR Matrix to Improve Performance of 4G-Multiradio Mesh Network: **ICCSP 2014 April 4-6 2014.**

5. D. Venkat Reddy, Bhargavi. A. Damoder "An Image Watermarking Scheme using Threshold Based Secret Sharing" IEEE conference 2017.

6. D. Venkat Reddy, Bhargavi " **Digital Video Watermarking using DWT and Singular Values"**ICTCS ,March 2016

7. D.Venkat Reddy, M.naresh "A Comprehensive study on Vertical Handover for IEEE 802.21 Wireless Networks" International conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud)-7-9 OCT 2020, IEEE

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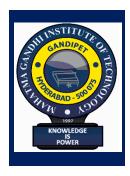- Honors/Awards - 0

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LET'S MEET ON SOCIAL:

FDPs/STTPs (17)

1. FDP on Aicte Online Course on Examination Reforms
2. From April 29 to may 2nd
3. **FDP image and embedded processing from 11-15 may.**
4. FDP by NITTTR " Research Trends in VLSI Design from 25 to 29 May 2020.
5. FDP: Recent trends and future applications in Electronics and communication technologies" from 29/05/2020-2/6/2020.
6. FDP on interfacing with arduino -coursera
7. FDP on applications of IOT--NITTR 16 to 20 june -one week
8. FDP on Fight covid-19 using IOT--july6-to 10th--one week by GVPWCE
9. FDP on future nano devices 6july-10th –MGIT
10. FDP(AICTE) ON wireless communications- Future IoT from 20-25 july-vardhaman college of engineering
11. FDP on Image Processing using MATLAB, 27-31july conducted by NITTTR.
12. FDP(AICTE) on privacy and security in IoT-27-1st aug by ANITS
13. EMERGING TRENDS IN VLSI TECHNOLOGY 1-6 MARCH 2021
14. AI_MIMO millimeter wave and massive MIMO for 5G wireless networks using AI -26 april-1 may 2021
15. One Week Short Term Training Program (AICTE Sponsored) on "Data Science and Big Data Analytics held from 26th July 2021 to 31st July 2021
16. FDP on digital VLSI design and verification 23-27 Aug 2021
17. FDP on 5G, IOT,Artificial Intelligence 27 sep- 1OCT 2021

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture

1. Attended webinar on "IEEE Standards Impact on Future Connectivity Technologies"on 14th April
2. Attended webinar on "**Enhance Research Visibility to Improve Ranking**" on 16th April Currently undergoing NPTEL course on DIGTAL ELECTRONIC CIRCUITS
3. Attended webinar "NAAC Accreditation Management System" on 17 April 2020.
4. Attending webinar on "Technical paper writing and publishing in Reputed Journal" on 18 April 2020.

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5. webinar on"Make Education Win! During Covid-19 & Beyond" on may 6.

6. Webinar on Research Workflows, Research Metrics & Excellence in Academic Institutes) by AICTE and Elsevier!

7. Attended webinar on INDUSTRY 4.0: CONVERGENCE OF TECHNOLOGIES on may 16

8. Attended webinar on DEPLOYMENT CHALLENGES OF IOT on 19th May.-IOT academy

9. Webinar on VLSI design and verification on 3rd June 2020

10. Webinar on "Drone Application in IoT" on 4th june

11. Webinar on outcome based education software by VM edulife on 11th june

12. Webinar on deep learning for industrial applications on 21st july- by mgit.

13. Webinar on applications of machine learning in communications on 20th july-2020

14. Webinar on IoT and its applications on 24th July-2020

Subjects Taught:
DSD,VLSID,NA,S&S,PDC,ADSD,DDUV,CO,CO&OS

Online Certifications:
1. Completed course: Introduction and programming in IOT boards.
2. completed AWS fundamentals FDP in Coursera
3. Completed course: NPTEL course on DIGTAL ELECTRONIC CIRCUITS
4. Completed course: Introduction to Internet of Things