Dr. KRISHNA DHARAVATHU
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Guntupalli, Ibrahimpatnam-521241.
Vijayawada, Andhra Pradesh
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PROFILE:

Dedicated, resourceful and innovative instructor who strives to help students change marginal grades in to good grades, and supports colleagues and administration in facilitating each student special and intellectual growth by creating an atmosphere of mutual respect and open communication. Exception communication with students and parents with a creating and diplomatic manner.

EDUCATION:

❖ **RESEARCH**
Ph.D. (Full-Time) from **Andhra University, 2020**.
Topic: "**Secure Image transmission through an OFDM and MIMO-OFDM systems with Different encryption Algorithms**".

❖ **POST GRADUATION**
M.Tech – VLSI System Design from Swarnandhra College of Engineering and Technology, **JNTU Kakinada** in 2012.

❖ **UNDER GRADUATION**
 B. Tech – Electronics and Communication Engineering, from RVR and JC College of Engineering, **Acharya Nagarjuna University**, Vijayawada in 2007.

❖ **INTERMEDIATE**
INTERMEDIATE- Mathematics, Physics and Chemistry from **KBN College of Arts and Science**, Vijayawada in 2002.

❖ **SSC -**
From **Z.P.H School** Guntupalli in 2000.

ACADEMIC ACHIEVEMENTS

➢ Qualified in **CSIR JRF-NET** exam in 2013, Secured 320 All India Rank.
➢ The following two **SCI** Papers are Published,
  (1) **Krishna Dharavathu** and Satya Anuradha Mosa "Secure Image Transmission through Crypto-OFDM System using Rubik's Cube Algorithm over an AWGN Channel" International Journal of Communication Systems, **John Wiley& Sons, DOI:** 10.1002/dac.4369.
  (2) **Krishna Dharavathu** and Satya Anuradha Mosa "Efficient Transmission of an Encrypted Image through a MIMO–OFDM System with Different Encryption Schemes", Sensing and Imaging (2020) 21:13, https://doi.org/10.1007/s11220-020-0275-6, **Springer.**

- ➤ Reviewer for **Electronics and Telecommunications Research Institute (ETRI)** Journal – **SCI** Journal.
- ➤ Reviewer for **IEEE Access** Journal – **SCI** Journal
- ➤ Selected Fellowship for **Rajiv Gandhi National Fellowship** for Students with Disabilities in 2015.
- ➤ Hands on Experience on **NAAC** and **AICTE** work, Knowledge on **NBA** work.

EXPERIENCE IN TEACHING, INDUSTRY & RESEARCH

Total Experience: 12 years (approx.)

- ➤ Presently working as an Associate Professor in Tirumala Engineering College, Narasaraopet, Guntur from Jan 4th, 2021 to till date.
- ➤ Research Fellow (SRF), in AU College of Engineering (A), **Andhra University** from Jan 2017 to December 2019.
- ➤ Junior Research Fellow (JRF), in AU College of Engineering (A), **Andhra University** from Jan 2015 to Jan 2017.
- ➤ 2-years, as Assistant Professor in **Lingaya's Institute of Management and Technology (LIMAT),** Nunna, Vijayawada, from Nov-2012 to Dec-2014.
- ➤ 1-year as Assistant Professor in **Gandhiji Institute of Science and Technology (GIST)**, Jagayapet, Vijayawada, from Nov-2011 to Oct-2012.
- ➤ 9-months, as Assistant Professor in **Rajamahendri Institute of Engineering and Technology (RIET)**, Rajahmundry, from Feb-2011 to Oct-2011.
- ➤ 7-months, as Assistant Professor in **Krishna's Pragathi Institute of Technology (KPIT)**, Rajahmundry, from Jun-2010 to Feb-2011
- ➤ 2-years, as PLC Operator from **PB engineering Contractors** in **VTPS**, Vijayawada, from Jun-2007 to Jul-2009

Workshops/Conferences/FDPs/Seminars Conducted

- ➤ Conducted Workshop on "Smart Antenna for Wireless Communication using HFSS and CST", from June 7th- June 9th, 2021.

TECHNICAL SKILLS

Languages	**:** C, C++ and VHDL
Assembly level language	**:** 8085, 8086 Microprocessors, 8051 Microcontroller
Tools & Packages	**:** MATLAB

REASERCH PUBLICATIONS

JOURNALS:

1. **Krishna Dharavathu** and M.S.Anuradha, "*Efficient Transmission of an Encrypted Image through a MIMO-OFDM System with Different Encryption Schemes*", volume 33, issue 8,

Sensing and Imaging (2020) 21:13, https://doi.org/10.1007/s11220-020-0275-6, **Springer.**

2. **Krishna Dharavathu** and M.S.Anuradha, "*Secure Image Transmission through Crypto-OFDM System using Rubik's Cube Algorithm over an AWGN Channel*", volume 21, International Journal of Communication Systems (IJCS), **John Wiley & Sons Ltd**, 2020, **DOI:** 10.1002/dac.4369.

3. **Krishna Dharavathu**, M.S.Anuradha and Chitta Srivalli "*FPGA Implementation of AES Algorithm Using Verilog-HDL"* Journal of Emerging Technologies and Innovative Research, 2018

4. **Krishna Dharavathu**, M.S.Anuradha and S Rasheeda "*FPGA Implementation of Simplified IDEA and IDEA algorithm"* International journal of basic and applied research, ISSN 2249-3352 (P) 2278-0505 (E), 2018. http://pragatipublication.com/assets/uploads/doc/d6049-271-282.13959.pdf

5. **Krishna Dharavathu** and M.S.Anuradha, "*Image Transmission through MIMO-OFDM System under the Influence of Rayleigh Fading channel*", Journal of Emerging Technologies and Innovative Research (JETIR), Volume 5, Issue 9, September 2018.

6. **Krishna Dharavathu** and M.S.Anuradha, "*Comparison Study of Linear Adaptive Equalization Filters for image transmission in OFDM system*", IJRASET, ISSN: 2321-9653; IC Value: 45.98, volume 6, ISSUE 3. 2018.

7. **Krishna Dharavathu** and M.S.Anuradha, "*Image Transmission and Hiding through OFDM System with Different Encrypted Schemes",* IJFRCSCE, ISSN: 2454-4248 Volume: 3 ISSUE: 9, PP: 108-114, Impact Factor: 2.293, 2017.

8. **D Krishna,** G Raja, T Hemalatha, M Tejaswi and T Sriram, "*Conversion of voice signal into characters using arithmetic coding",* International Journal of Engineering Science & Advanced Technology (IJESAT), ISSN: 2250-3676, Volume-3, Issue-3, 136-139, 2014.

9. **D Krishna,** T Hemalatha, GDM Shankar**,** K Bala Krishna and V Balasubramanyam, "*AADHAR based electronic voting system and providing authentication",* International Journal of Engineering Science & Advanced Technology (IJESAT), ISSN: 2250-3676, Volume-4, Issue-2, 237-240, 2013.

CONFERENCES:

1. **Krishna Dharavathu** and M.S.Anuradha*, "Statistical Analysis Tests Comparisons for DES, AES and Rubik's Cube Encryption Algorithms*", First International Conference on Machine Learning, Image Processing, Network security and Data Sciences (MIND), 3-4 March-2019, NIT Kurukshestra, Haryana, India.

2. **Krishna Dharavathu** and M.S.Anuradha*, "Image Transmission through MIMO System under the Influence of Rayleigh Fading Channel*", 2nd International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2018), 23rd September 2018, Osmania University Centre for International Programmes, Osmania University Campus, Hyderabad, India.

3. **Krishna Dharavathu** and M.S.Anuradha*, "Image Transmission through OFDM system under the Influence of AWGN Channel*", International Conference on Advanced Material Technologies, 27th&28th 2016, Dadi Institute of Engineering & Technology, Visakhapatnam. India.

PROJECT PROFILE:

PhD

Thesis: Secure Image transmission through OFDM and MIMO-OFDM systems with Different encryption Algorithms

Guidance: Prof.M.S.Anuradha
 Dept of ECE, AUCE (A)
 Andhra University,
 Visakhapatnam-530003

Platform: MATLAB

M. Tech

Title: Design FPGA Implementation of FIR Filter Using DA Algorithm

Guidance: S.SRIKANTH
 Associate Professor,
 Dept of ECE,
 SWARNANDHRA College of Engineering and Technology
 NARASAPUR**.**
Platform: Xilinx 12.1

PERSONAL PROFILE

Name	:	KRISHNA DHARAVATHU
Father's Name	:	SOMLA DHARAVATHU
Gender	:	Male
Marital Status	:	Married
Religion	:	Hindu
Date of Birth	:	1st August 1984
Languages known	:	Telugu, English, Hindi

DECLARATION

I hereby certify that the above information furnished is correct to the best of my knowledge and belief and in the event of the information being found false or incorrect or ineligibility being detected before or after, my candidature will be rejected at any stage of my Selection / Appointment and action can be initiated against me.

KRISHNA DHARAVATHU