

Mr. Kasula Raghu

Assistant Professor

Education Qualifications:
Specialization:

Master of Technology, (Ph.D)
Digital Systems & Computer Electronics



ADDRESS:

- C – Block -Room No 202

JNTUH ID: 67150403-210739

EMAIL:

kraghu_ece@mgit.ac.in

DATE OF JOINING:

03-09-2004

EXPERIENCE - 20 Years

- Teaching - 20

SUMMARY:

- Publications - 13
- Conferences - 05
- Books Chapters- 2

EVENTS:

- Organized - 01
- Attended - 47

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/mgithyderabad>
- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- <https://twitter.com/MGITHyderabad>

Membership of Professional Bodies:

1. Life Fellow of Institute of Electronics & Telecommunication Engineers, New Delhi, India (F502477).
2. Life Member of Institute of Engineers, India (M-147646-1).
3. Life Member of International Association of Engineers-IAENG (161671)

Responsibilities Held at Institution Level:

1. Route-19 Student Bus In-charge.
2. In-charge for Co-Curricular Activities (Drama Club).
3. Co-Convener Anti Ragging Committee 2021-22.
4. Worked as Assistant Training Placement Officer.
5. Convener, NIRVANA-2013, 2015, 2016 (Annual day celebrations.)
6. Polling Officer for One Day Elections-2014
7. Accompanied III year students for their Industrial Tour (12 Days) from 09th -21st Jan'12.
8. Conducted College Library Inspection in 2012.
9. Acted as an Observer for EAMCET-2010, 2011 & 2012.
10. Done Several Competitive Examination Invigilation's Duties in the college (GATE, SET, IIT-JEE etc...)

Responsibilities Held at Department Level:

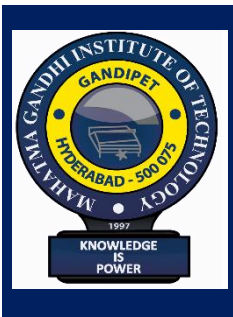
1. Member, Hospitality Committee from 2016 to till date.
2. Alumni Committee Co-ordinator.
3. Convener for Microcosm-2013, National Technical Symposium.

Courses Handled at Under Graduate /Post Graduate Level:

1. **UG:** Analog Communication, Digital Communications, Control Systems, Electronic Devices & Circuits, Linear IC Applications, Signals & Systems, Analog & Digital Communications, Data Communications & Networks.
2. **PG:** Data Communications

Publications:

1. Kasula Raghu , Dr. P. Chandra Sekhar Reddy “Investigation of BER Analysis Using NOMA Scheme Over Fading Channels” (Online) (to be published online) (Scopus, Springer Nature)



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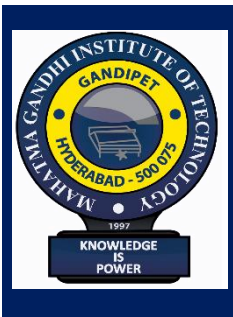
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2. K Raghu, Eswara Rao B, K Vamshi Krishna , Paparao Nalajala, K Saikumar Schematic Implementation Of High-Speed VLSI Authenticated Encryption For GCM Architecture” Journal of Natural Volatiles & Essential Oils, Volume-8, Issue-4, September 2021, pp.5603-5609.
3. N Sowjanya Cherukupalli, K.Raghu “Detecting and Minimizing of background moving objects in video frames using DARPA technique” International Journal of Aquatic Science with ISSN 2008-8019 in 2021.
4. Mr.K.Raghu, “A Power Domain NOMA Multiplexing for Spectral Efficiency Improvement at Randomly Available Users” Journal of Green Engineering, Volume-11, Issue-2, February 2021, pp.1483-1499.
5. Kasiprasad M., V.Subba Ramaiah, Mr.K.Raghu, “Speech Forgery Detection of Framed Sentences in Audio Recordings Using DTW”, European Journal of Molecular & Clinical Medicine 2020, Volume 07, Issue 08, December 2020, ISSN 2515-8260, Page Nos. 2269-2274. (Scopus Indexed & UGC Approved)
6. V.Subba Ramaiah, Mr.K.Raghu, Kasiprasad M., “A Stuttered speech self-repair system using Mel-filter and Lasso regression machine learning technique”, European Journal of Molecular & Clinical Medicine 2020, Volume 7, Issue 4, Pages (1254-1263) November 2020. (Scopus Indexed & UGC Approved)
7. Dr.S.Srinivasa Rao, V.Subba Ramaiah, K.Raghu, “Energy Efficient Routing in IoT Based on Chronological Atom Search Optimization”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-9, Issue-4, February 2020.
8. 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, No 7, (2020), pp 5135-5143.
9. Mr. K.Raghu, S.Srinivasa Rao, “Energy Constraint Node Cache Based Routing Protocol for Wireless Sensor Networks”, International Journal for Innovative Research in Science & Technology (IJIRST), ISSN: 2349-6010, Volume 4, Issue 9 February 2018.
10. Energy Constraint Node Cache Based Routing Protocol for Wireless Sensor Networks International Journal for Innovative Research in Science & Technology| Volume 4 | Issue 9 | February 2018. ISSN (online): 2349-6010.



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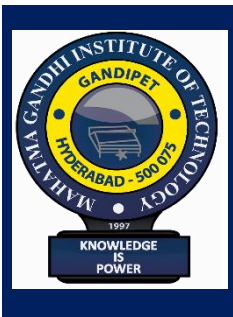
11. Mr. K.Raghu, S.Srinivasa Rao, “Performance Analysis of Optimal Path using DSR and NFPQR Protocols”, International Journal of Science Technology & Engineering (IJSTE), ISSN(Online): 2349-784X, Volume 4, Issue 5, November 2017.
12. Performance Analysis of Optimal Path using DSR and NFPQR Protocols International Journal of Science Technology & Engineering Volume 4 Issue 5 November 2017 ISSN (online): 2349-784X.
13. Subcarrier Based Resource Allocation in I/Q Imbalance Using Water Filling Algorithm International Journal of Emerging Engineering Research and Technology Volume 2, Issue 5, August 2014, PP 209-216 ISSN 2349-4395 (Print) & ISSN 2349-4409 (Online).

Conferences:

1. Mr. Kasula Raghu , Dr. P. Chandra Sekhar Reddy “Investigation of BER Analysis Using NOMA Scheme Over Fading Channels” (Online) (to be published online) (Scopus, Springer Nature).
2. Design and Analysis of 8-bit ripple Carry Adder using nine Transistor Full Adder of 7th International Conference on Advanced Computing and Communication Systems (ICACCS),2021 by G. R. Padmini; O. Rajesh; K. Raghu; N. Megha Sree; C. Apurva; K Saikumar
3. A Fuzzy Expert System for The Drowsiness Detection from Blink Characteristics of 7th International Conference on Advanced Computing and Communication Systems (ICACCS),2021 by V Jothisna; Ibrahim Patel; K. Raghu; P Jahnavi; K. Nagi Reddy; K. Saikumar
4. Generation of Sequences with Good Correlation Properties Using Modified Particle Swarm Optimization by International Conference on Navigational systems & Signal Processing applications (NSSP-2013) on 13th & 14th December, 2013.
5. Modeling Prosodic Features for Automatic Text-Independent Speaker Indexing System using Support Vector Machine (SVMs) by National Conference on Recent Trends in Information Technology 2013 at CBIT, 22nd & 23rd March 2013.

No. of Books/Chapter Published with details:

1. Published One Chapter on “Detection and Identification of Employee Attrition using a Machine Learning Algorithm” in the lecture notes titled “Handbook of Research on Technologies and Systems for E-Collaboration during Global Crises” by IGI Global, April, 2022.



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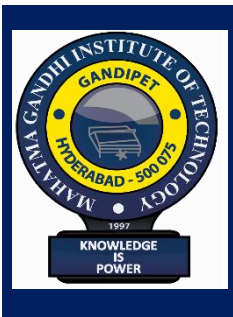
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2. Published One Chapter on “India's Remote Medical Monitoring System Using Big Data and Map Reduce Hadoop Technologies : Big Data with Healthcare” in the lecture notes titled “Handbook of Research on Technologies and Systems for E-Collaboration During Global Crises” by IGI Global, April, 2022.

Events Attended

FDPs/STTPs:

1. 21-26 March 2022 Online FDP on Intelligent Computing & Communications by Banasthali Vidyapith by sponsored by DST, GOI.
2. 14-22 February 2022 Online AICTE-ISTE FDP on Python Programming for 5G Communications by MLRIT, Hyderabad
3. 9-13 February 2022 Online FDP on Recent Trends in Artificial Intelligence, IoT, and Data Analytics by Shri Vishnu Engineering College for Women(A),Bhimavaram.
4. 24-30 January 2022 AICTE-ISTE Online FDP on Technical Trends and Recent Advances in Industrial Robotics & Applications by VR SIDDHARTHA ENGINEERING COLLEGE
5. 22-26 November 2021 Online National Level FDP on A Systematic Navigation from Research to Research Proposals 2.0 by MVSR Engineering College, Hyderabad, Telangana
6. 15-19 November 2021 Online AICTE-ATAL FDP on Modulation, Coding and Multiple Access Techniques for Wireless Communication and Storage Systems by IIT Goa.
7. 27-31 October 2021 Online FDP on Deep Dive into Big Analytics by Karpagam College of Engineering
8. 27 September -1 October 2021 Online FDP on 5G IoT and Artificial Intelligence Research Trends and Applications by Atria Institute of Technology in Association with IEEE Bangalore section.
9. 01-15 September 2021 Online FDP on Societal Applications of AI, Block chain, and IoT by Shri Vishnu Engineering College for Women (A), Bhimavaram.
10. 24-28 August 2021 Online AICTE-ATAL FDP on Green Communication by BMS Institute of Technology and Management.
11. 09-13 August 2021 Online AICTE-ATAL FDP on Challenges in adapting Machine Learning towards 5G6G Communications by VNRVJIET, Hyderabad
12. 26-30 July 2021 Online AICTE-ATAL FDP on Modern Simulation Techniques for Engineering Research by Kamala Nehru Institute of Technology Sultanpur.



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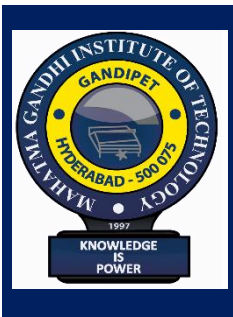
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13. 19-23 July 2021 Online AICTE-ATAL FDP on Internet of Things an Emerging Technology in Electronics Industry Institute of Engineering and Technology, Devi Ahilya University, Indore.
14. 13-17 July 2021 Online AICTE-ATAL FDP on A Pedagogy for Effective use of 5G Communication Network for Cloud Applications by JNN College of Engineering, Shivamogga.
15. 07-11 July 2021 Online STTP on IOT 5 G AND BEYOND WITH DEEP LEARNING DEMONSTRATIONS AND HANDS ON TRAINING by Mahindra University, Hyderabad.
16. Online FDP on 5G, IoT and Artificial Intelligence Research Trends and Applications Atria Institute of Technology, Bangalore, from 27 September - 01 October 2021 in association with IEEE Bangalore Section.
17. Online AICTE-ATAL FDP on “Green Communication” from 24-28 August 2021 by BMS Institute of Technology and Management.
18. Online AICTE-ATAL FDP on “Challenges in adapting Machine Learning towards 5G/6G Communications” from 09-13 August 2021 by VNRVJIET, Hyderabad.
19. Online AICTE-ATAL FDP on “Modern Simulation Techniques for Engineering Research” from 26-30 July 2021 by Kamla Nehru Institute of Technology Sultanpur.
20. Online AICTE-ATAL FDP on “Internet of Things an Emerging Technology in Electronics Industry Institute of Engineering and Technology” from 19-23 July 2021 by Devi Ahilya University, Indore.
21. Online AICTE-ATAL FDP on “A Pedagogy for Effective use of 5G Communication Network for Cloud Applications” from 13-17 July 2021 by JNN College of Engineering, Shivamogga.
22. Online STTP on “IOT, 5 G AND BEYOND WITH DEEP LEARNING DEMONSTRATIONS AND HANDS ON TRAINING” from 07-11 July 2021 by Mahindra University, Hyderabad.
23. FDP on “Advances in 5G Wireless Communications with Hands on Experiences” 16-20 June 2020 LENDI from College of Engineering, Vijayanagaram.
24. Online FDP on “SCILAB from 04-10 June 2020 by Prakasham Engineering College in collaboration with Spoken Tutorial, IIT-Bombay.
25. National FDP on “SCILAB” from 25-30 May 2020 JNTU, Sultanpur Spoken in collaboration Tutorial, IIT-Bombay under PMMMNMTT.



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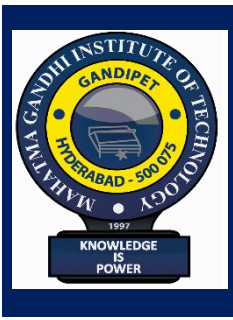
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26. Online AICTE Online FDP on “Internet of Things” from 18-22 May 2020 by NIT, Nagaland
27. National level FDP on Online Training on “LaTeX” by Sanjay Ghodawat University, Kolhapur in collaboration with Spoken Tutorial, IIT-Bombay.
28. AICTE-MHRD FDP on “Linux Applications in Engineering Education” from 27 April to 01 May 2020 by NITTTR, Chandigarh.
29. Online AICTE Online FDP on “Data Science” 18-22 April 2020 from IIIT, Nagpur.
30. MHRD, GIAN Short term Course on “Opportunities, Challenges and Research Trends in Wireless sensor Networks” organized by Department of ECE, OU from 11-15th December, 2017.
31. FDP on “Signal Processing Techniques at MVSR Engineering College, Hyderabad from 15/1/2016 to 19/11/2016.
32. Recent Trends in Digital Image & Video Processing organized by Department of ECE, MGIT, Hyderabad from 22/02/2016 to 27/02/2016.
33. AICTE Sponsored FDP on “Latest Developments in Hydraulics, Pneumatics & Electronic Control systems organized by Department of Mechatronics, MGIT, Hyderabad from 04/05/2015 to 16/05/2015.
34. Training Program on “Microprocessors and Microcontrollers” at MGIT, Hyderabad from 12/05/2014 to 17/05/2014.
35. Summer School on “Innovative Methods in Teaching and Research” conducted by University College of Hyderabad from 21/05/2014 to 10/06/2014.
36. ISTE Sponsored FDP on “Teaching, Learning & Research in Engineering and Technology” at MGIT, Hyderabad from 30/07/2012 to 03/08/2012.
37. Training on “Embedded System Design and Introduction to ZYNQ EPP Conducted by Xilinx Technical Summit 2011-12, Hyderabad on 10/02/2012.
38. AICTE Sponsored FDP on “Assistive Technology Devices & Rehabilitation Engineering” Organized by Dept. of ECE, BVRIT, Hyderabad from 29/08/2011 to 11/09/2011.
39. AICTE Sponsored Short term course on “Signal and Image processing using OCTAVE” JNTU, Hyderabad from 07/02/2011 to 12/02/2011.
40. AICTE-MHRD Sponsored FDP on Nano Electronics at NIT, Calicut from 10/05/2010 to 21/10/2010.
41. Workshop on “Basic Simulation Lab with MATLAB” Organized by Nexus College of Science and Technology on 23/07/2010.
42. MHRD Sponsored “Hands on Experience of Virtual instrumentation Applications in Engineering and Technology”

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Organized by Dept. of ECE, NIT-Warangal from 07/12/2009 to 13/12/2009.

43. Three Day Workshop on “Digital Signal Processing-Recent Advancements” Organized by Dept. of ECE, KITS, Singapur, Warangal from 23/01/2009 to 25/01/2009.
44. Faculty Updation Training on “System Design Using FPGA” Organized by C-DAC, Hyderabad in Collaboration with JNTU, Hyderabad from 18/05/2009 to 29/05/2009.
45. FDP on Embedded system ARM organized by Department of IT, MGIT from 02/12/2009 to 04/12/2009.
46. AICTE-ISTE Sponsored FDP on VLSI Design Methodologies & Testing Principles at Vardhaman College of Engineering, Hyderabad 14/08/2008 to 04/09/2008.
47. Two days Workshop on “CMOS VLSI & ASIC Design” Conducted by Department of ECE, JNTU, Hyderabad from 10/08/2007 to 11/08/2007.

Webinars:

1. Webinar on “Catching the Cyber Virus” on 29 May 2020 by ICT Academy.
2. Webinar on Next Generation of Block chain on 22 May 2020 by ICT Academy.
3. Webinar on A Post Covid Paradigm on 25 May 2020 by ICT Academy.
4. Webinar on Building API with Python on 29 April 2020 by Codegen.
5. Technical Paper Writing & Publishing in Reputed Journals on 29 April 2020 by Softcore Technologies.

Online Certifications:

1. MHRD, NPTEL Online FDP on “Evolution of Air Interface towards 5G” (AICTE approved FDP course) Feb– April 2020 (8-weeks), IIT Kharagpur..
2. Completed Seven Week course on “Python for Everybody” by Cousera and got certificate on 03 June 2020.
3. Completed Five Week course on “AWS Fundamentals” by Cousera and got certificate on 08 May 2020.