G.Ravi Kumar
Assistant Professor

Education Qualifications: M.E,(Ph.D)
Specialization: E.C.E

ADDRESS:
- C– Block -Room No: 404

JNTUH ID:
51150402-123344

EMAIL:
gravikumar _ece@mgit.ac.in

DATE OF JOINING:
22-08-2013

EXPERIENCE - 17 Years
- Teaching - 17

SUMMARY:
- Publications - 4
- Patents – 1
- Honors/Awards - 1

EVENTS:
- Organized - 1
- Attended - 45

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 Member of Indian Society for Technical Education (ISTE) LM 88546.

Responsibilities Held at Institution Level:

1. Student Affairs Committee Member.
2. Campus monitoring duties.
3. Anti-Ragging duties.
4. Performed Examination Duties and Evaluated Answer Scripts

Responsibilities Held at Department Level:

1. Time Table In charge from 2013 to till date.
2. Analog Electronics Lab In-charge.
3. Students mentoring duties.
4. AE Lab Incharge

Honors/Awards Received:

1. UGC NET 2012.
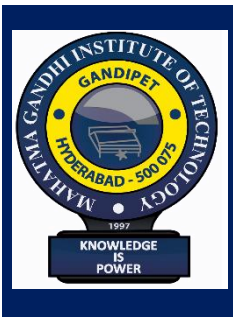
Courses Handled at Under Graduate Level:

1. Electronic Devices and Circuits, Electronic Circuit Analysis, Linear IC Applications, Digital IC Applications. Analog Electronics, Electronic Circuits.

Publications:

1. Kesava Rao .B, Ravi Kumar .G, "Access the Role of IoT in Smart Cities for Smart Parking System", IJIRST, Volume 10, Issue 6 June 2021, DOI:10.15680/IJIRSET.2021.1006419.
2. Mr.G.Ravi Kumar, Dumpa Prasad, S Srinivasa Rao, "Survey on Analog Filter Design using oscillators", Annals of the Romanian Society for the cell Biology, 8 May 2021, Vol. 25, Issue 6, 2021, Pages. 1687-1693.
3. Mr.G.Ravi Kumar, Mr.A.Balaraju "Advanced Usage Of Analog Filters With Ring Oscillator Using DTMOS", IJCRT, Volume 9, Issue 5 May 2021, ISSN: 2320-2882.
4. G. Ravi Kumar, Dr. D. Venkat Reddy, Dr. M. Asha Rani, "Design of Low Power Ring Oscillator for Integrator Based Analog Filters", JARDCS, ISSN-1943-023X, Volume 10, Special Issue September 2018.

Patents:

1. Patent on "An Efficient Enhanced VLSI Architecture Of Montgomery Modular Multiplication" was published on 09-07-2021 along with, Dr T.Vasudeva Reddy, Dr D.Harikrishna, Dr. V. Santhosh Kumar, P.Sivananthamaitrey, Dr. Ratikanta Sahoo, T. Keerthi ; No: 202141028654.

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Events Organized:

Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. Webinar on "AI-Exploring the Next Generation Convergence and Applied Industrial Machine Learning" on 08th & 9th August 2020, organized by Department of ECE, MGIT, Hyderabad.

Events Attended:

FDPs/STTPs:

1. Python Programming for 5G Communications (FDP) organized by MLR Institute of Technology on 14-22 Feb 2022.
2. Digital & Analog VLSI Design (FDP) Organized by NITTTR, CHANDIGHAR on (13-17) Sep 2021.
3. Low Power VLSI Design (FDP) Organized by NITTTR, CHANDIGHAR on (5-9) April 2021.
4. Research Oriented Project Work (FDP) Organized by NITTTR, CHANDIGHAR on (15-19) March 2021.
5. Advances in Antenna Design Techniques and Simulations using CST Studio Suit, (STTP) Organized by NITTTR, CHANDIGHAR on (22-26) June 2020.
6. VLSI Physical Design Techniques (STTP) Organized by NITTTR, CHANDIGHAR on (15-19) June 2020.
7. Recent trends in Electronics & Communication Engineering (FDP) Organized by CHENNAI INSTITUTE OF TECHNOLOGY on (8-12) June 2020.
8. Outcome Based Curriculam Design (STTP) Organized by NITTTR, CHANDIGHAR on (01-05) June 2020.
9. Advances in Python (Django and Flask), Python for Data Science and Cyber Security (FDP) Organized by CHADALAWADA RAMANAMMA ENGINEERING COLLEGE on (21-27) May 2020.
10. Research Trends in VLSI Design (STTP) Organized by NITTTR, CHANDIGHAR on (25-29) May 2020.
11. Recent Communication Tools and its Applications (FDP) Organized by St.Martin's Engineering College, Hyderabad on (19-23) May 2020.
12. PHP and MySQL (FDP) Organized by JNTUH COLLEGE OF ENGINEERING JAGTIAL In Association with IIT BOMBAY on (18-23) May 2020.
13. Technological Inventions Using Wireless Communication (STTP) Organized by NITTTR, CHANDIGHAR on (18-22) May 2020.
14. ICT TOOLS (FDP) Organized by SREE VIDYANIKETHAN ENGINEERING COLLEGE TIRUPATHI in Association With STP IIT-Bombay on (11-16) May 2020.
15. Research Challenges and Opportunities Post COVID-19 (RECOP 2020) (FDP) Organized by SRI VASAVI ENGINEERING COLLEGE TADEPALLIGUDEM on (04-09) May 2020.
16. Recent trends in Electronics & Communication Engineering (FDP) Organized by JB INSTITUTE OF ENGINEERING & TECHNOLOGY on (26 April-02May) 2020.
17. NPTEL SPECIAL LECTURE SERIES WEEK-2 Organized by NPTEL on (20-26) April 2020.
18. FDP on E-CAD and VLSI Design by Department of ECE, MGIT during 08th to 12th July 2019.
19. FDP on Recent Trends in Digital Image and Video Processing by Department of ECE, MGIT during 04th to 16th December 2017.
20. FDP on RF Antenna Design by E&ICT Academy, NIT Warangal, at MGIT from 19thJune-24thJune 2017.
21. FDP on Recent Trends in Digital Image and Video Processing by Department of ECE, MGIT during 22-27 February 2016.
22. FDP on Digital Design using Verilog & VHDL from 15th- 19thDecember 2014 at ECE department MGIT.
23. FDP on Embedded and VLSI systems design at Bharat Institute of Engineering & Technology during 23rd- 27thJUNE 2014.
24. One Week Training Programme on Microprocessors & Microcontrollers at MGIT during 12nd- 17th MAY 2014.
25. FDP on Advances in Signal Processing, VLSI and Digital Communication systems During 18th- 19th MARCH 2014 at Anurag Engineering college.

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Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. Webinar on "Introduction to Machine Learning: Parameter Estimation", organized by Department of ECE, MGIT, Hyderabad as a part of Alumni Activities on 20 February 2021.
2. Webinar on "Introduction to Cloud Computing", organized by Department of ECE, MGIT, Hyderabad as a part of Alumni Activities on 23 January,2021.
3. Webinar on "Applied Industrial Machine Learning" on 09 August 2020, organized by Department of ECE, MGIT, Hyderabad.
4. Webinar on "Applications of Deep Learning using MATLAB" on 25 July 2020, organized by Department of ECE, MGIT, Hyderabad.
5. Webinar on "IOT & Its Applications" on 24 July 2020, organized by Department of ECE, MGIT, Hyderabad.
6. Webinar on "Academic Writing" on 23 July 2020, organized by Department of ECE, MGIT, Hyderabad.
7. Webinar on "Plagiarism and Publication Ethics" on 22 July 2020, organized by Department of ECE, MGIT, Hyderabad.
8. Today's Opportunities for Tomorrow's Technology (Webinar) Organized by KIT-Centre, Coimbatore on 18 May 2020.
9. Energy Conservation & Star Rating (Webinar) Organized by KIT-Centre, Coimbatore on 15 May 2020.
10. Research Workflows, Research Metrics and Excellence in Academic Institutes (Webinar) Organized by AICTE and Elsevier on 14 May 2020.
11. Flagship Program: AG Bell Memorial Lecture - Estimation and concentration of missing mass (Webinar) Organized by IEEE Hyderabad Section on 2 May 2020.
12. Online Teaching - Learning and Online Assessment (Webinar) Organized by inpods Ed-tech on 24 April 2020.
13. NAAC Accreditation Management System Demo (Webinar) Organized by inpods Ed-tech on 17 April 2020.
14. UGC sponsored Orientation Programme at JNTUH during 08th MAY to 03 rd JUNE 2017.
15. Course work on Research Methodology at JNTUH during 01st to 06th MAY 2017.
16. Work shop on Selected Topics in Medical Imaging at R&T unit for Navigational Electronics Osmania University during 18th December 2012.
17. Work shop on Mentor Graphic Tools at Anurag college Of Engineering during 11th to 12th September 2012.

Online Certifications:

1. CMOS DIGITAL VLSI DESIGN (COURSE) Organized by NPTEL on 16 June 2020.
2. INTRODUCTION TO ELECTRONICS (COURSE) Organized by COURSERA on 3 June 2020.
3. MICROELECTRONICS: DEVICES TO CIRCUITS (COURSERA) Organized by NPTEL.