Name   :Mr. TIKKIREDDI ADITYA KUMAR

Designation: Assistant Professor

Department: Electronics & Communication Engineering

Mail.I.D: adityakumar_t@vnrvjiet.in

Experience (in years): 10   Teaching: 10   Research: 0   Others (If any, Specify):Nil

1.   Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	Ph.D.	Pursuing	VLSI
2	M.Tech	2013	Embedded Systems
3	B.Tech	2009	Electronics & communication Engineering

2. Teaching and Learning:

2.1. Teaching Interests:

Basic Electronics Engineering, Embedded Systems, Micro Controller and Micro processor , Switching Theory and Logic Design, Control Systems, Electronic devices & Circuits.

2.2. Novel Teaching & Learning Techniques adopted:

Videos, PPT, Group Discussion

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies: Reading books, listening Music, shopping

3.2. CCA/ECA Organized: Nil

3.3. CCA/ECA participated: Nil

3.4. Counselling and Mentoring Activity: Nill

3.5. Committees involved in:

Department level: Nill

Institute Level: Nil

4.   Conference / Workshop / Seminar / Guest Lectures:

4.1.Conducted: Nil
4.2.Attended:

➢ Virtual International Conference on Frontiers In Smart Computing System Technologies' 2020. [SPRINGER]

➢ One Week National Level Online Faculty Development Program on Recent Trends in Artificial Intelligence and Cyber Security from 01-05 November 2022 organized by the department of CSE at Shri Vishnu Engineering College for Women (A), Bhimavaram.

➢ One week faculty Development program on "Computational Intelligence – Algorithms and Implementation" Organized by IEEE Madras Section,Vel Tech IEEE Student

Branch & Deparment of Electronics and Communication Engineering, VEL Tech Rangarajan Dr. Sanguthala Dr. Sagunthala R&D Institute of Science and Technology, Chennai form 26th – 31st December 2022..

➢ One week faculty Development program on "Research writing" Organized by Internal Quality Assurance Cell(IQAC), Vijaya Institute of Pharmaceutical Sciences for women,Vijayawada form 7th – 11th February 2022 in association ANTI VIRAL Research Society.

➢ Orientation/ refresher Program on "Modeling and Simulation for Research " held during 18-12-2021 to 24-12-12-2021 Dr.NGP Institute of technology, Coimbatore,Tamilnadu approved by AICTE-ISTE.

➢ Orientation/ refresher Program on "IOT and Machine Learning " held during 03-12-2021 to 09-12-12-2021 JNTU College of Engineering, Ananthapuram approved by AICTE-ISTE.

➢ A National Level faculty Development program on " RF Applications using RFSoc Devices" Organized by Department of Electronics and Communication Engineering, VEL Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai from 22nd to 26th November 2021.

➢ Faculty development program on "NBA accreditation and teaching learning process in engineering" held from 15-11-2021 to 19-11-2021 at Swamy Keshvanand institute of Technology, jaipur.

➢ Faculty development program on "Wireless Communication Technologies" from 21-06-2021 to 25-06-2021 at Atal Bihari Vajapavee Indian institute of information technology and management.[ATAL]

➢ Faculty development program on block chain from 8-09-2020 to 12-09-2020 at JNTUA college of engineering (A),Annatapuram. [ATAL]

➢ Faculty development program on "Accelerating Research" organized by department of electronics communication engineering, Lendi institute of engineering and technology,(A),vizianagaran from 27th -29th,august 2020.

➢ Faculty development program on "Sensors Technology" from 17-08-2020 to 21-08-2020 at St.josephs institute of technology, Chennai. [ATAL]

➢ A National Level faculty Development program on "PYTHO PROGRAMMING AND ITS APPLICATIONS" Organized by Department of Electronics and Communication Engineering, VS LAKSHMI Engineering College for Women, Matlapalem from 29th June to 4th July 2020.

➢ A National Level faculty Development program on " Design and Analysis of RF Antennas using HFSS Software" Organized by Department of Electronics and Communication Engineering, SASI Institute of Technology & Engineering, Tadepalligudem from 7th to 11th November 2017 in association with IETE Vijayawada Chapter.

5. **Academic Contribution and Research & Consultancy:**

5.1. Invited Lectures:Nil

5.2. Articles/Chapters published in Books: Nil

5.3. Books published as single author or as editor: Nil

5.4. Projects Guided:

        a) UG: 24

        b) PG: 10

5.5. Research Interests: VLSI & EMBEDDED SYSTEMS

5.6. Ph.D students: Nil

        a) Enrolled:

        b) Submitted:

        c) Awarded:

5.7. Papers published in reviewed Journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	Congestion aware low power on chip protocols with network on chip with cloud security	Journal of Cloud Computing: Advances, Systems and Applications.]		1.25 [SCI]	International
2	Density Optimized High Throughput Efficient BIST Implementation Using MISC	Juni khyat journal	ISSN: 2278-4632 (UGC Care Group I Listed Journal) Vol-13, Issue-01, No.01, January 2023.	UGC	International
3	AREA EFFICIENT IMPROVED BINARY COUNTER USING SCALABLE SORTING NETWORK	Journal of Interdisciplinary Cycle Research Volume XIV,	Issue V, May/2022 ISSN NO: 0022-1945 Volume XIV, Issue V, May/2022 ISSN NO: 0022-1945 Page No: 1307-1318	UGC	International
4	ECG Encoding Using Low Density Based Efficienct Fuzzy PSO and Golomb_Rice.	International Journal Of Engineering in Advanced Research Science and Technology,	ISSN:2352-8648,Vol.03, Issue.01,pages 295-306,September-2021.	UGC	International

5.8. Papers presented at National / International conferences:

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1	Congestion Aware Low Power On Chip Protocols: A Review On NOC	Virtual International Conference on Frontiers In Smart Computing System Technologies' [SPRINGER]	International	2020
2	Zigbee Based Rescue Robot For Coal Miners	National Conference On Emerging Technologies In Electronics And Communications, NCETEC-2K11	National	2011

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed
	Nil				

6. **Awards / Honors received:**

- Academic Excellence Award
- Certificate Of Appreciation for Academic Results.

7.Motto: "Education is not the filling of a pot but the lighting of a fire".