

## **CURRICULUM VITAE**



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**Dr. RAJASEKHAR BUTTA**

### **Objective:**

Intend to build a career with a leading corporate of hi-tech environment with committed and dedicated people, which will help me to exploit my skills in the best possible way. Willing to work as a key player in challenging and creative environment.

### **Academic Qualifications**

S. No.	Name of the Degree	University	Percentage of Marks	Specialization	Year of Pass
1.	Ph.D.	JNTUA, Anantapuramu	-	Signal Processing & VLSI	2020
2.	M. Tech.	JNTU, Hyderabad	82%	Digital Systems & Computer Electronics	2007
3.	B.E.	Dr. BAMU, Aurangabad	62%	Electronics	1998
4.	Intermediate	BHE, Hyderabad	73%	MPC	1993
5.	S.S.C	BSE, Hyderabad	70%	-	1991

### **Professional Experience: 25 Years (Till Nov 2024)**

S. No.	Designation	Institution Name	Working Period	
			From	To
1.	Professor & HoD	Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru	Dec 2023	Till Date
2.	Professor	Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru	July 2023	Nov 2023
3.	Associate Professor	Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru	June 2011	June 2023
4.	Associate Professor	Lakireddy Bali Reddy College of Engineering, Mylavaram	Aug 2009	May 2011
5.	Associate Professor	Aurora's Technological & Research Institute, Hyderabad	July 2008	July 2009
6.	Associate Professor	Vignan Institute of Technology & Science, Hyderabad	June 2006	June 2008
7.	Assistant Professor	Karshak Engineering College, Hyderabad	June 2003	May 2006
8.	Assistant Professor	Ramappa Engineering College, Mahabubabad	Dec 2000	May 2003
9.	Teaching Assistant	Rajeev Gandhi Memorial College of Engineering and Technology, Nandyal	Dec 1999	Nov 2000

### **Academic Identity:**

**Google Scholar ID**

<https://scholar.google.com/citations?user=a9GfF8QAAAAJ&hl=en>

**ORCID Id**

0000-0003-0860-7117 (<https://orcid.org/0000-0003-0860-7117>)

**Scopus Id**

57200205857 (<https://www.scopus.com/authid/detail.uri?authorId=57200205857>)

**Web of Science ResearcherID**

AAM-4703-2020 (<https://publons.com/researcher/3360513/rajasekhar-b/>)

**KUDOS**

[https://www.growkudos.com/profile/b\\_rajasekhar](https://www.growkudos.com/profile/b_rajasekhar)

**Vidwan ID**

197385 (<https://vidwan.inflibnet.ac.in/profile/197385>)

**ResearchGate**

<https://www.researchgate.net/profile/Butta-Rajasekhar>

**Editorial / Reviewer Board Member**

1. Editor-In-Chief of “**Indian Journal of Energy and Energy Resources (IJEER)**”, ISSN (Online): 2583-1186, for the session 2024-25. URL: <https://www.ijeer.latticescipub.com/editorial-board/>
2. Editor with Unique Editor Id “IIPER1676208061” for the edited book series titled “**Futuristic Trends in Computing Technologies and Data Sciences**” with Series Code IIPV3EBS11\_G22, IIP Series, since 10<sup>th</sup> June 2023.  
<https://www.iipseries.org/fullviewdetails.php?id=778&title=iipv3ebs11g22-futuristic-trends-in-computing-technologies-and-data-sciences>
3. Editorial Board Member of “**American Journal of Science, Engineering and Technology(AJSET)**”, ISSN Print: 2578-8345, ISSN Online: 2578-8353, since 24<sup>th</sup> January 2022. <https://www.sciencepg.com/j/ajset>
4. Reviewer of “**Journal of The Institution of Engineers (India): Series B**”, ISSN (Online): 2250-2114, since Dec 2021. URL: <http://link.springer.com/journal/40031>.
5. Editor-In-Chief of “**Indian Journal of VLSI Design (IJVLSID)**”, ISSN (Online): 2582-8843, since Nov 2021. URL: <https://www.ijvlsi.latticescipub.com/editorial-board/>
6. Reviewer for “The Hertz Journal of Engineering” since Aug 2021.

**Book Chapters (3)**

1. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, “A Study on Speaker Independent Emotion Recognition from Speech Signals”, book entitled, “Advanced Aspects of Engineering Research Vol.12”, B P International, 22 May 2021, Page 13-19, ISBN 978-93-91215-42-2 (Print), 978-93-91215-43-9 (eBook), DOI: <https://doi.org/10.9734/bpi/aaer/v12/9383D>, URL: <https://stm.bookpi.org/AAER-V12/article/view/1279>.
2. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, "Heuristic methods for data clustering" in the book “Artificial Intelligence in Data Mining”, **Elsevier**, 2021, page no. 65 – 86, ISBN: 978-0-12-820601-0, DOI: <https://doi.org/10.1016/B978-0-12-820601-0.00003-3>, URL: <https://www.sciencedirect.com/science/article/pii/B9780128206010000033>.
3. M.Kamaraju, P.Anil Kumar, B. Ananda Krishna, **B. Rajasekhar**, “Embedded Fingerprint Recognition System”, Recent Researches in Telecommunications, Informatics, Electronics and Signal Processing, ISBN: 978-960-474-330-8, Sept 17-19, 2013 at Baltimore, MD, USA, pp.394-401.

**Patent Granted (2)**

1. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, “Automatic Clog Removable Sink”, Patent No. 446184, date of grant 21/08/2023, Application Number 202241067565, Date of filling 24/11/2022.
2. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, “Intelligent Customer Care Center”, Patent No. 394705, date of grant 12/04/2022, Application Number 201941054213, Date of filling 27/12/2019.

#### Patent Published (4)

1. Seshadri Rao Gudlavalluru Engineering College, Dr G V S N R V Prasad, Dr B Karuna Kumar, Dr M R Ch Sastry, Dr Y Syamala, **B. Rajasekhar**, Dr B Mahesh Babu, K Sai Kiran, "Design of Smart Electrically Heated Tobacco Flue Curing Chamber and A Method Thereof", The Patent Office Journal No. 20/2024, published date 17/05/2024, page no. 47029, Application Number 202441036941, Date of filling 10/05/2024.
2. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, "Automatic Clog Removable Sink", The Patent Office Journal No. 48/2022, published date 02/12/2022, page no. 76267, Application Number 202241067565, Date of filling 24/11/2022.
3. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, "Multimodal Voice Based Authentication Framework", The Patent Office Journal No. 10/2021, published date 05/03/2021, page no. 11200, Application Number 202141007889, Date of filling 25/02/2021.
4. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, "Intelligent Customer Care Center", The Patent Office Journal No. 02/2020, published date 10/01/2020, page no. 1897, Application Number 201941054213, Date of filling 27/12/2019.

#### Papers Published in Journals (22) (SCI – 8, Scopus – 2, UGC – 2, IEEE Xplore - 1)

1. S.K. Mastan Sharif, **Rajasekhar Butta**, Dhulipalla Venkata Rao, G.L.N. Murthy, N. Manikanda Devarajan, "Improved LSTM - Squeeze Net Architecture for brain activity detection using EEG with improved feature set", Biomedical Signal Processing and Control, **Elsevier**, Volume 101, 2025, 107222, ISSN: 1746-8094 (Print), DOI:<https://doi.org/10.1016/j.bspc.2024.107222>,  
<https://www.sciencedirect.com/science/article/pii/S1746809424012801>.  
**Impact Factor: 4.9 (2024), CiteScore: 9.8, SJR: 1.28, H-Index: 108, Q1, SCIE**
2. **B. Rajasekhar**, Mastan Sharif Shaik, G. L. N. Murthy "Ensemble deep learning approach for early diagnosis of Alzheimer's disease", Multimedia Tools and Applications, **Springer**, ISSN: 1573-7721 (Electronic), 1380-7501 (Print), 13 April 2024 (Online), DOI: <https://doi.org/10.1007/s11042-023-18084-w>,  
<https://link.springer.com/article/10.1007/s11042-023-18084-w>  
**Impact Factor: 3.6 (2022), CiteScore: 5.3, SJR: 0.720, H-Index: 93, Q1, SCIE**
3. **B. Rajasekhar**, "Early Diagnosis Model of Alzheimer's Disease Based on Hybrid Meta Heuristic with Regression Based Multi Feed Forward Neural Network", Wireless Personal Communications, **Springer**, ISSN: 1572-834X (Electronic), 0929-6212 (Print), 16 March 2023 (Online), DOI: <https://doi.org/10.1007/s11277-023-10346-y>,  
<https://rdcu.be/c7OLW>  
**Impact Factor: 2.2 (2022), CiteScore: 3.5, SJR: 0.545, H-Index: 75, Q2, SCIE**
4. Shabanam Shabbir Tamboli, **Rajasekhar Butta**, T Sharad Jadhav, Abhishek Bhatt "Optimized active contour segmentation model for medical image compression", Biomedical Signal Processing and Control, **Elsevier**, ISSN: 1746-8094, Vol. 80, Part 1, February 2023, 12 October 2022 (Online), DOI: [doi.org/10.1016/j.bspc.2022.104244](https://doi.org/10.1016/j.bspc.2022.104244),  
<https://www.sciencedirect.com/science/article/abs/pii/S174680942200698X#!>,  
**Impact Factor: 5.1 (2023), CiteScore: 8.2, SJR: 1.211, H-Index: 94, Q1, SCIE**
5. **Rajasekhar Butta**, Kamaraju Maddu, Sumalatha Vangala, "Cat swarm optimized ensemble technique for emotion recognition in speech signals", Concurrency and Computation: Practice and Experience, **Wiley**, ISSN: 1532-0634, 20 September 2022, DOI:<https://doi.org/10.1002/cpe.7319>,  
[URL:https://onlinelibrary.wiley.com/doi/10.1002/cpe.7319](https://onlinelibrary.wiley.com/doi/10.1002/cpe.7319).  
**Impact Factor: 2 (2022), CiteScore: 4.2, SJR: 0.515, H-Index: 69, Q3, SCIE**
6. Satheesh Narayanasami, **Rajasekhar Butta**, Rajeshkumar Govindaraj, Surendra Singh Choudhary, Dilip Kumar Sharma, Anjana Poonia, Sudhakar Sengan, Pankaj Dadheech, Neeraj Kumar Shukla, Rajesh Verma, "An Enhanced Trust-Based Kalman Filter Route Optimization Technique for Wireless Sensor Networks", Wireless

Personal Communications, **Springer**, ISSN: 1572-834X, Vol. 127, 17 May 2021, pp. 1311-1329, <https://doi.org/10.1007/s11277-021-08578-x>.

**Impact Factor: 2.2 (2022), CiteScore: 3.5, SJR: 0.545, H-Index: 75, Q2, SCIE**

7. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, "A novel speech emotion recognition model using mean update of particle swarm and whale optimization-based deep belief network", Data Technologies and Applications, **Emerald Insight**, ISSN 2514-9288, Vol. 54 No. 3, 2020, pp. 297-322, DOI: 10.1108/DTA-07-2019-0120.

**Impact Factor: 1.6 (2022), CiteScore: 4.0, SJR: 0.479, H-Index:31, Q2, SSCI**

8. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, "Glowworm Swarm based Fuzzy classifier with Dual Features for Speech Emotion Recognition", Evolutionary Intelligence, **Springer Journal**, ISSN 1864-5909, 16 July 2019, DOI: 10.1007/s12065-019-00262-1.

**Impact Factor: 0.94, SJR: 0.222, H-Index: 19, ESCI (Emerging Sources Citation Index).**

9. **B. Rajasekhar**, M. Kamaraju, V. Sumalath, "Speaker Independent Emotion Recognition From SpeechSignals", ARPN Journal of Engineering and Applied Sciences, ISSN: 1819-6608, Vol. 13, No. 9, May 2018, pp: 3188-3191. **SJR: 0.19, H-Index: 17, Scopus Indexed.**

10. D. Naga Prasad, **B. Rajasekhar**, "FPGA-Based Low-power Emotion Recognition with Recurrent Neural Networks", International Journal of Electronics Engineering (IJEE), ISSN: 0973-7383, Vol 10, Issue 2, pp: 241-247, June 2018-Dec 2018. **Impact factor: 5.1 UGC Approved Journal.**

11. **B. Rajasekhar**, M. Kamaraju, V. Sumalatha, "FPGA Based Recognition of Emotions from Speech Signals", 2017 Third International Conference on Biosignals, Images and Instrumentation (ICBSII), **IEEE Xplore**: 26 Oct 2017, 10.1109/ICBSII.2017.8082290.

12. Ramya Krishna, **B. Rajasekhar**, "Biometrics Mechanism over Wireless Networks using Steganographic Method", International Journal of Advanced Technology and Innovative Research (IJATIR), vol. 9, issue 9, ISSN 2348 – 2370, August 2017, pp: 1512-1520.

**Impact factor: 4.1**

13. K. Sarat Chandra, **B. Rajasekhar**, M. Kamaraju, "Enhancing the Accuracy of Emotion Recognition Using Emotion-Specific Features", International Journal of Electronics, Electrical and Computational System (IJEECS), ISSN 2348-117X, Volume 6, Issue 5 May 2017, pp: 344-346. **Impact factor: 2.52**

14. N. Sowjanya, **B. Rajasekhar**, M. Kamaraju, "FPGA Implementation of Emotion Recognition from Speech Signals", International Journal on Electronics, Electrical and Computational Systems (IJEECS), vol.5, issue 7, ISSN: 2348-117X, July 2016, pp: 10-14. **Impact factor: 2.52**

15. B.Kranthi, Dr.B.Ananda Krishna, Dr.M.Kamaraju, **B.Rajasekhar** "Enhanced Image Compression Algorithm for Image Processing Applications" International Journal of Computer Science and Information Technologies(IJCSIT), Vol.5(2),ISSN:0975-9646, 2014, pp:1509-1515. **Impact factor: 2.94**

16. G.Nitin, **B.Rajasekhar** "Design of Low Band Frequency Amplifier using different RF Substrates" International Journal of Engg. Research & Technology (IJERT), vol.2, issue.11, ISSN: 2278-0181, Nov 2013, pp.4025-4029. **Impact factor: 1.78**

17. U.Siva Reddy, **B.Rajasekhar**, M.Kamaraju, B.Ananda Krishna "Novel Implementation of Employee Fingerprint Database Management System" at International Journal of

Engineering and Science Research (IJESR), Vol.3, Issue.10, ISSN:2277-2685, October 2013, pp:4799-4808. **Impact factor:1.4. UGC Approved Journal.**

18. M. Kamaraju, B. Ananda Krishna, **B. Rajasekhar**, P. Anil Kumar, "A Novel Implementation of Fingerprint Recognition System using DSP Processor", International Journal of Engineering Research and Technology (IJERT), AAMT-2013, pp. 3-6, ISSN:2278-0181, March-2013. **Impact Factor:1.76**
19. B.Ananda Krishna, M.Kamaraju, **B.Rajasekhar**, B.Kranthi, "Enhanced SPIHT Algorithm for Image Compression", International Journal of Engineering Research and Technology (IJERT), AAMT-2013, pp. 15-18, ISSN:2278-0181, March-2013. **Impact Factor:1.76**
20. **B.Rajasekhar**, U.Siva Reddy, M.Kamaraju, B.Ananda Krishna, "Fingerprint Database Management System", International Journal of Engineering Research and Technology (IJERT), AAMT-2013, pp. 21-23, ISSN: 2278-0181, March-2013. **Impact Factor:1.76**
21. **B.Rajasekhar**, Md.Nayeemuddin, "Image Compression based on Lifting based DWT Technique using FPGA", International Journal of VLSI and Embedded Systems-IJVES, ISSN: 2249-6556, vol. 4, issue 01, pp.202-206, January-February 2013. **Impact Factor:1.97**
22. N.Ajeeshvali, **B.Rajasekhar**, "Steganography Based on Integer Wavelet Transform and Bicubic Interpolation", I.J. Image, Graphics and Signal Processing, **ISSN: 2074-9074** (Print), **ISSN: 2074-9082** (Online), Nov 2012, Vol. 4, Issue 12, pp: 26-33, DOI: 10.5815/ijigsp.2012.12.04. **Impact Factor: 0.722, Scopus Indexed.**

#### **Papers Presented in Conference (8) (IEEE – 2)**

1. **B. Rajasekhar**, M. Kamaraju, V. Sumalath, "FPGA Based Emotions Recognition from Speech Signals", IEEE sponsored 3<sup>rd</sup> International Conference on Biosignals, Images and Instrumentation organized by S.S.N. College of Engineering, Chennai during Mar16-18, 2017.
2. N.Sowjanya, **B. Rajasekhar**, M. Kamaraju, "FPGA Implementation of Emotion Recognition from Speech Signals", International Conference on Signal, Image, Video and Audio Processing (ICSIVA-16), organized by Conference Info and Academic Science at Acharya Nagarjuna University, Guntur on July 30, 2016.
3. **B. Rajasekhar**, M. Kamaraju, V. Sumalath, "Gender Driven Emotion Recognition System for Speech Signals Using Neural Networks", 6<sup>th</sup> International Advanced Computing Conference (IACC 2016) organized by IEEE Computer Society – Indian Council at S.R.K.R. Engineering College, Bhimavaram during Feb 27-28, 2016.
4. G.Sreelatha, **B.Rajasekhar**, M.Kamaraju, "A Robust and Reliable Gender Driven Emotion Recognition System", International Conference on Emerging Trends in Engineering and Technology, IFERP, Visakhapatnam, pp. 7-10, 30<sup>th</sup> August 2015.
5. M.Kamaraju, B.Ananda Krishna, **B.Rajasekhar**, P.Anil Kumar, "A Novel implementation of Fingerprint Recognition System using DSP Processor", National Conference on Advance Assistive and Main Stream Technologies for Persons with Special Needs at Sri Vishnu Engineering College for Women, Bhimavaram, during 5-7, pp.1-4, March 2013.
6. B.Ananda Krishna, M.Kamaraju, **B.Rajasekhar**, B.Kranthi, "Enhanced SPIHT Algorithm for Image Compression", National Conference on Advance Assistive and Main Stream Technologies for Persons with Special Needs at Sri Vishnu Engineering College for Women, Bhimavaram, during 5-7, pp.1-4, March 2013.

7. **B.Rajasekhar**, M.Kamaraju, B.Ananda Krishna, U.Siva Reddy, “Fingerprint Database Management System”, National Conference on Advance Assistive and Main Stream Technologies for Persons with Special Needs at Sri Vishnu Engineering College for Women, Bhimavaram, during 5-7, pp.1-4, March 2013.
8. **B.Rajasekhar**, V.Sumalatha, “Stand alone motor control card for a missile”, National Conference on Emerging Trends in Electronics and Communication Engineering at JNTU College of Engineering, Anantapur, 23 June 2007.

#### **Online FDP/Webinar/Training Program (38)**

1. A One week Online Faculty Development Programme on “IOT and Embedded Systems” Organized by National Institute of Technical Teachers Training and Research (NITTTR), Chandigarh (Sponsored by Ministry of Education, Government of India) in association with Department of Electronics and Communication Engineering, Prasad V Potluri Siddhartha Institute of Technology, Vijayawada during 23<sup>rd</sup> – 27<sup>th</sup> September 2024.
2. A One Week Faculty Development Program on “Recent Trends in Wireless Communications and Networks” organized by School of Electronics Engineering, VIT-AP University, Amaravati, 23<sup>rd</sup> – 27<sup>th</sup> July 2024.
3. A One Week Faculty Development Program on “Impact of AI: Robotics, VLSI and Medical Domains” organized by Department of Electronics and Communication Engineering, Vasireddy Venkatadri Institute of Technology, Nambur, in Association with IETE Vijayawada Centre during 22<sup>nd</sup> – 27<sup>th</sup> April 2024.
4. A One Week Faculty Development Program on “Emerging Trends and Challenges in Communication and Computational Technologies (5G/6G)” organized by Department of Electronics and Communication Engineering in Association with IEEE Communication Society and MTT-Society of VNRVJIET, Hyderabad during 18<sup>th</sup> – 22<sup>nd</sup> Mar 2024.
5. A One Week Faculty Development Program on “Recent Trends and Challenges in Deep Learning for Advancing Computer Vision” organized by the Department of Electronics and Communication Engineering, VNRVJIET, Hyderabad in association with IEEE SPS Student Chapter during 26<sup>th</sup> Feb - 1<sup>st</sup> Mar 2024.
6. A One Week National Level Faculty Development Program on “Recent Advances in Electronics and Communication Engineering - An approach through AI & ML” organized by the Department of Electronics and Communication Engineering, Vignan’s Nirula Institute of Technology and Science for Women, Guntur during 21<sup>st</sup> - 26<sup>th</sup> August 2023.
7. A One Week International Faculty Development Program on “IoT, Industry 4.0 and Stress Management” (Virtual Mode) organized by the Department of Internet of Things, Seshadri Rao Gudlavalleru Engineering College, in association with IETE Vijayawada Centre during 17<sup>th</sup> - 22<sup>nd</sup> July 2023.
8. Online One Week Faculty Development Program on “Applications of Computer Vision using Deep Learning” conducted by the department of Electronics and Communication Engineering, Seshadri Rao Gudlavalleru Engineering College during 20<sup>th</sup> - 25<sup>th</sup> February 2023.
9. Online Faculty Development Program on “Medical Applications using Machine & Deep Learning Techniques”, organized by E&ICT Academy, NIT Warangal and PSCMR College of Engineering & Technology, Vijayawada, during 2<sup>nd</sup> - 11<sup>th</sup> January 2023.

10. Blended mode Professional Development Program on “Outcome Based Education and Design Thinking”, conducted by IEEE Guntur Subsection and Department of EEE, KLEF Deemed to be University, Guntur, during 7<sup>th</sup> - 15<sup>th</sup> October 2022.
11. Two day Faculty Development Program on “Network Simulation with NetSim Software”, organized by department of ECE, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 13<sup>th</sup> - 14<sup>th</sup> October 2022.
12. Two day workshop on “Machine Learning : Concepts and Applications” organized by R&D Cell, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 30<sup>th</sup> June - 01<sup>st</sup> July 2022.
13. One week national level online faculty development program on “Signals, Systems and Transform Techniques” during 22<sup>nd</sup> - 27<sup>th</sup> November 2021 organized by the Department of Electrical & Electronics Engineering, Maturi Venkata Subba Rao (MVSR) Engineering College (Autonomous), Hyderabad.
14. Online webinar on “Exclusive Hands on Experiential Workshop on Outcome Based Education”, organized by National Education Empowerment Teacher’s Initiative The Idea Marathon on 9<sup>th</sup> October 2021.
15. One week online Faculty Development Program on “International Workshop on Signal Processing using Machine Learning: Applications & Hands-on (Online)”, organized by the School of Electronics Engineering (SENSE), VIT-AP University, Amaravati (AP), India in association with Centre for Teaching and Learning (CTL) VIT-AP during 28<sup>th</sup> August to 1<sup>st</sup> September, 2021.
16. Two weeks online Faculty Development Program on “Digital Tools for Writing, Authoring and Reviewing Manuscripts”, jointly organized by Electronics & ICT Academies IIT Guwahati, NIT Patna, MNIT Jaipur, IIT Kanpur, IIITDM Jabalpur & IIT Roorkee during 12<sup>th</sup> to 23<sup>rd</sup> July 2021.
17. AICTE - ISTE Sponsored Faculty Development Program on “IoT and its Applications - Phase III”, organized by Department of Computer Science and Engineering, Faculty of Engineering and Technology, Annamalai University, Annamalai Nagar, Tamilnadu during 12<sup>th</sup> to 18<sup>th</sup> May 2021.
18. Five day Innovation series on “Patent Search and Filling”, conducted by Turnip innovations during 16<sup>th</sup> - 20<sup>th</sup> February 2021.
19. A 5 Day AICTE Training And Learning (ATAL) Academy sponsored Online FDP on "Internet of Things (IoT)" organized by Gudlavalleru Engineering College, Gudlavalleru from 7<sup>th</sup> to 11<sup>th</sup> Dec 2020.
20. Three Days National Level IEEE Workshop on “Internet of Things for Agricultural Applications organized” organized by P.R. PotePatil College of Engineering & Management, Amaravathi in Association with IEEE (Mumbai Section) & Pantech Learning held during 22<sup>nd</sup>– 24<sup>th</sup>Oct 2020.
21. “Five Series Webinar on Introduction to Radar Systems” held during: Webinar-1: Basics of radar systems- 4<sup>th</sup>- 6<sup>th</sup> September 2020, Webinar-2: Radar Detection Fundamentals – 11<sup>th</sup>- 13<sup>th</sup> September 2020, Webinar-3: Matched filter, pulse compression and ambiguity function –19<sup>th</sup> – 21<sup>st</sup>September 2020, Webinar 4: Frequency coded and phase coded radar waveforms – 25<sup>th</sup> – 27<sup>th</sup>September 2020, Webinar-5: Signal models and radar data acquisition –2<sup>nd</sup> – 4<sup>th</sup>October 2020, organized by NITK STEP, National Institute of Technology Karnataka, Surathkal, Mangalore, jointly with Sri Shasha Prayathi Technologies Pvt. Ltd.



22. AICTE sponsored Online Short Term Training Program on "Blockchain Architecture Design and Use Cases" (Smart Contracts with Ethereum Solidity) Phase-III organized by Department of Electronics and Communication Engineering from 24<sup>th</sup> to 29<sup>th</sup> Aug 2020.
23. AICTE sponsored Online Short Term Training Program on "Blockchain Architecture Design and Use Cases" (Decentralized Network Synchronization) Phase-II organized by Department of Electronics and Communication Engineering from 17<sup>th</sup> to 22<sup>th</sup> Aug 2020.
24. AICTE sponsored Online Short Term Training Program on "Blockchain Architecture Design and Use Cases" Phase-I organized by Department of Electronics and Communication Engineering from 10<sup>th</sup> to 15<sup>th</sup> Aug 2020.
25. National level online one week faculty development program on "Recent Advances in VLSI & Embedded Systems (RAVDES – 2020)" organized by Micro Electronics Research Group (MERG), Department of Electronics and Communication Engineering, Koneru Lakshmaiah Education Foundation (KL Deemed to be University), Vaddeswaram, Guntur, Andhra Pradesh, in association with IETE Vijayawada Chapter, during 14<sup>th</sup> to 19<sup>th</sup> September 2020.
26. A National Level Webinar on "Intellectual Property Rights & Patents - A View" organized by IQAC, Gudlavalleru Engineering College, Gudlavalleru held during 10<sup>th</sup> – 12<sup>th</sup> August 2020.
27. One week refresher course on "Embedded System Design" organized Department of Electronics and Communication Engineering, Gudlavalleru Engineering College, Gudlavalleru during 27<sup>th</sup> July – 1<sup>st</sup> August 2020.
28. National level online faculty development program on "Cyber Security" organized Departments of Computer Science Engineering & Information Technology in association with CeberPsy, Gudlavalleru Engineering College, Gudlavalleru during 22<sup>nd</sup> - 26<sup>th</sup> July 2020.
29. One week International online Knowledge Development Program on "Challenges and Advancements in the Design of IoT, Embedded and VLSI Systems: A Researchers View" organized Department of Electronics and Communication Engineering, Gudlavalleru Engineering College, Gudlavalleru during 8<sup>th</sup> – 13<sup>th</sup> June 2020.
30. One Week Online Faculty Development Program on "Speech Processing Applications & Challenges" Organized by Department of ECE, Santhiram Engineering College, Nandyal in collaboration with International Institute of Information Technology, Hyderabad during 20<sup>th</sup>-25<sup>th</sup> May 20.
31. One Week Online Faculty Development Program on "Patent Filing Procedure" conducted by the IPR Cell & IIC of Sri Ramakrishna College of Arts & Science, Coimbatore during 18<sup>th</sup> – 23<sup>rd</sup> May 20.
32. A National Level Five Day Faculty Development Program on "OBE-NBA Process" organized by Internal Quality Assurance (IQAC), Narasaraopeta Engineering College (Autonomous), Narasaraopet, during 15<sup>th</sup>-19<sup>th</sup> May 20.
33. One Week Online Faculty Development Program on "Advanced Antenna Design Using HFSS" Organized by Department of ECE, Santhiram Engineering College, Nandyal in collaboration with Vardhaman College of Engineering, Hyderabad during 12<sup>th</sup>-17<sup>th</sup> May 20.
34. One Week Online AICTE MARGDARSHAN FDP on "Art of Writing Papers and Research Methodologies" during 7<sup>th</sup> – 13<sup>th</sup> May 2020.



35. Five Day FDP on “IPR Awareness and Patent Prosecution” Organized by the Department of Information Technology, CMR Engineering College, Hyderabad from 6<sup>th</sup>-10<sup>th</sup> May 20.
36. One Week Online Faculty Development Program on “Research Challenges and Opportunities Post COVID-19 (RECOP 2020)” organized by Research & Development Cell and Institution’s Innovation Council of Sri Vasavi Engineering College (Autonomous) during 4<sup>th</sup> – 9<sup>th</sup> May 2020.
37. One week Online Faculty Development Program (FDP) on "Trends in Advanced Communications by Department of Electronics and Communication Engineering, Lakireddy Bali Reddy College of Engineering Krishna(Dt.) during 4<sup>th</sup> – 9<sup>th</sup> May 2020.
38. Online Faculty Development Program on “Team Building and Managing” (Online Live FDP) conducted by ICT Academy on 30<sup>th</sup> Apr 2020 to 5<sup>th</sup> May 2020.

#### **Workshops /Conferences /Seminars Attended (24)**

1. One day “State level workshop on Autonomous and NAAC Accredited Engineering and Pharmacy Colleges on Indian Ranking – 2023” conducted by the Quality Assurance Cell, Andhra Pradesh State Council of Higher Education at Andhra Loyola Institute of Engineering & Technology, Vijayawada on 16<sup>th</sup> November 2022.
2. “2022 IEEE R10 Mini Panel of Conference Organizers”, conducted by IEEE Guntur Subsection, IEEE Hyderabad Section and KLEF, Guntur on 18<sup>th</sup> November 2022.
3. “One day State level Workshop for Autonomous & NAAC Accredited Engineering and Pharmacy Colleges on Indian Rankings – 2023”, conducted by Quality Assurance Cell, Andhra Pradesh State Council of Higher Education at Andhra Loyola Institute of Engineering & Technology, Vijayawada on 16<sup>th</sup> November 2022.
4. A Two day workshop on “Machine Learning: Concepts and Applications”, organized by R&D Cell, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 30<sup>th</sup> June - 01<sup>st</sup> July, 2022.
5. One day National Convention on “Research Trends in Wireless Communication Technologies”, organized by PVPSIT Vijayawada in association with National Instruments India on 29<sup>th</sup> July 2017.
6. Two week ISTE STTP on “CMOS, Mixed Signal and Radio Frequency VLSI Design”, conducted by IIT Kharagpur in association with department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 30<sup>th</sup> January - 4<sup>th</sup> February 2017.
7. A Two day workshop on “Advances in Mathematical Models for Image Processing” organized by Prasad V Potluri Siddhartha Institute of Technology, Vijayawada during 4<sup>th</sup> – 5<sup>th</sup> March 2016.
8. A Two Day All India Workshop on “Emerging Techniques on VLSI Architecture Design for Real Time Environment” conducted by PACE Institute of Technology & Science, Ongole during 9<sup>th</sup> – 10<sup>th</sup> October 2015.
9. One day workshop on “Research in Energy Management Wireless Networks & Smart Transportation Systems” organized by The Institute of Engineers (India), Vijayawada Local Centre, Vijayawada on 29<sup>th</sup> March 2015.
10. One day workshop on “Research & Development Facilitation” organized by The Institute of Engineers (India), Vijayawada Local Centre, Vijayawada on 29<sup>th</sup> March 2015.
11. One day workshop on “Speech Processing: Current Challenges and Hands-on Experience” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru on 23<sup>rd</sup> August 2014.

12. Three day National Workshop on “Theory & Applications of Intelligent Signal Processing”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 28<sup>th</sup> February to 2<sup>nd</sup> March 2014.
13. Two week ISTE workshop on “Signals & Systems” conducted by IIT Kharagpur in association with department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 2<sup>nd</sup> -12<sup>th</sup> January 2014.
14. One Week ISTE workshop for Coordinators on “Analog Electronics” organized by IIT Kharagpur during 1<sup>st</sup> - 5<sup>th</sup> April 2013.
15. Complimentary Seminar on “MATLAB & Simulink for Engineering Education” organized by Math Works India Pvt. Ltd. at Vijayawada on 13<sup>th</sup> September 2012.
16. Two day National Workshop on “Simulation of Wireless & Mobile Networks using NetSim” organized by department of ECE, JNTUH College of Engineering, Hyderabad during 2<sup>nd</sup> – 3<sup>rd</sup> July 2012.
17. One week workshop on “Mission 10X” organized by Lakireddy Balireddy College of Engineering, Mylavaram during 18<sup>th</sup> – 22<sup>nd</sup> April 2011.
18. One day workshop on “Research Opportunities for Women & Young Scientists in Engineering, Science & Technology” organized by Lakireddy Balireddy College of Engineering, Mylavaram on 18<sup>th</sup> December 2010.
19. One day seminar on “Computing Freedom in Engineering Education – A Free Software Perspective” organized by department of CSE, Gudlavalleru Engineering College, Gudlavalleru on 11<sup>th</sup> December 2010.
20. AICTE sponsored 6-day workshop on “Digital Image Analysis & Processing” organized by department of ECE, GNITS, Hyderabad during 11<sup>th</sup> – 16<sup>th</sup> February 2008.
21. Two day National Seminar on “Semi-Custom VLSI Design – An FPGA Based Approach” organized by Vardhaman College of Engineering, Hyderabad during 5<sup>th</sup> – 6<sup>th</sup> November 2007.
22. Two day workshop on “Design of Sensor Based Embedded System Using 8051” organized by department of ECE, M.V.S.R. Engineering College, Hyderabad during 4<sup>th</sup> – 5<sup>th</sup> December 2006.
23. One week Curriculum Development Workshop on “Advances in Microprocessors” jointly organized by Intel, JNTU, Hyderabad and CVR college of Engineering, Hyderabad during 9<sup>th</sup> – 13<sup>th</sup> December 2002.
24. The 3-day statewide workshop on “Microcontrollers the Technology of Tomorrow” organized by department of Instrumentation Engineering, M.J. College of Engineering & Technology, Hyderabad during 15<sup>th</sup> – 17<sup>th</sup> November 2001.

#### **Certifications/Training Programs Attended (23)**

1. One week refresher course on “Transmission Lines and Wave guides”, organized by department of ECE, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru during 29<sup>th</sup> Jan – 3<sup>rd</sup> Feb 2024.
2. One week refresher course on “Microcontroller and Embedded Systems”, organized by department of ECE, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru during 8<sup>th</sup> – 13<sup>th</sup> Jan 2024.
3. Two days training program on "IPR & Technology Transfer" conducted as part of IIC Innovation Ambassador Training Series, Organized by Institution's Innovation Council of MHRD's Innovation Cell, AICTE held at MLR Institute of Technology, Hyderabad, Telangana during 6<sup>th</sup>-7<sup>th</sup> February 2020.

4. One week faculty development program on “Data Acquisition and RT using LabVIEW”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru in association with National Instruments, Bangalore, during 25<sup>th</sup>- 30<sup>th</sup> November 2019.
5. Three day training program on “Advanced Development Tools Based IoT”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 11<sup>th</sup>-13<sup>th</sup> November 2019.
6. One week faculty development program on “Recent Trends in Image & Video Processing”, organized by E&ICT Academy, NIT Warangal at V.R. Siddhartha Engineering College, Vijayawada, during 11<sup>th</sup> – 16<sup>th</sup> February 2019.
7. One week faculty development program on “Machine Learning Applications in Signal Processing”, organized by E&ICT Academy, NIT Warangal at Gudlavalleru Engineering College, Gudlavalleru, during 4<sup>th</sup> – 9<sup>th</sup> February 2019.
8. Two days training program on “Design and development of Digital Circuits using VLSI Tools”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 6<sup>th</sup>- 7<sup>th</sup> December 2018.
9. One week faculty development program on “New Algorithms of Signal Processing Hands On”, organized by LBRCE Mylavaram during 20-27 April 2018.
10. Two day faculty training program on “Advances in VLSI Design and Embedded Systems”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 6<sup>th</sup>- 7<sup>th</sup> November 2017.
11. One week Faculty Development Program (FDP) on “Development of Wireless Sensor Networks Simulator (NS2) – Hands on Experience”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 1<sup>st</sup>- 5<sup>th</sup> December 2015.
12. One week refresher course on “Microprocessor & Microcontroller” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 17<sup>th</sup>– 21<sup>st</sup> November 2015.
13. Two day Faculty Development Program (FDP) on “Advanced Digital Signal Processing & Applications (ADSP-A)”, organized by V.R. Siddhartha Engineering College, Vijayawada, under TEQUIP-II during 12<sup>th</sup> -13<sup>th</sup> September 2015.
14. One week orientation program on “Research Methodology”, organized by JNTUA, Ananthapuramu during 15<sup>th</sup> - 20<sup>th</sup> June 2015.
15. “Faculty Interaction Program & Industrial Visit” organized by Efftronics Systems Pvt. Ltd., Vijayawada, on 28<sup>th</sup> August 2012.
16. Faculty Development Program on “VLSI and Embedded System Design” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 7<sup>th</sup> – 8<sup>th</sup> July 2012.
17. One week refresher course on “Pulse & Digital Circuits (Theory & Lab Practice)” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 21<sup>st</sup> – 26<sup>th</sup> November 2011.
18. One week training program on “LABVIEW CORE I & II” organized by NI Systems India Pvt. Ltd., Bangalore during 25<sup>th</sup> – 29<sup>th</sup> April 2011.
19. One week course on “DSP Using LabView”, as part of Indo-US Engineering Faculty Leadership Institute at Shri Vishnu Engineering College for Women, Bhimavaram during 5<sup>th</sup> – 9<sup>th</sup> July 2010.

20. Intensive course on “Advances in Wireless Communication” organized by department of ECE, University College of Engineering, Osmania University, Hyderabad on 29<sup>th</sup> December 2007.
21. Two week intensive course on “Cell-Based ASIC Design Using Cadence Tools(Theory & Practice)” organized by department of ECE, CVR College of Engineering, Hyderabad during 26<sup>th</sup> November – 7<sup>th</sup> December 2007.
22. A 4-day course on “Digital Signal Processing and Applications” organized by IETE, Hyderabad Centre during 26<sup>th</sup> – 29<sup>th</sup> July 2007.
23. Short term course on “Embedded Systems” jointly organized by University College of Engineering, Hyderabad and Sreenidhi Institute of Science & Technology, Hyderabad during 21<sup>st</sup> – 25<sup>th</sup> November 2006.

#### **Guest Lectures Delivered (9)**

1. “Image Processing and its Applications” for students at SRK Institute of Technology, Vijayawada, on 6<sup>th</sup> October 2023.
2. "Awareness and Benefits of IETE membership" for students at QIS College of Engineering and Technology, Ongole, on 5<sup>th</sup> November 2022 through online.
3. "Awareness and Benefits of IETE membership" for students at Lakireddy Bali Reddy College of Engineering, Mylavaram, on 2<sup>nd</sup> November 2022.
4. “Applications of Image & Video Processing” for students at Sri Vasavi Institute of Engineering & Technology, Nandamuru, on 29<sup>th</sup> October 2022.
5. “Applications of Image & Video Processing” for students at DNR College of Engineering & Technology, Bhimavaram on 27<sup>th</sup> October 2022.
6. “Career opportunities in the field of Electronics and Communication Engineering” for students at VKR, VNB & AGK College of Engineering, Gudivada on 24<sup>th</sup> September 2022.
7. “Introduction to Wireless Sensor Networks” for faculty at Gudlavalleru Engineering College, Gudlavalleru on 9<sup>th</sup> March 2012.
8. “Simulation of Electronic Circuits using LabView” for IV B.Tech Students at Gudlavalleru Engineering College, Gudlavalleru on 3<sup>rd</sup> Feb 2012.
9. Delivered a lecture on the topic “Time Base Generators” as part of One week refresher course on “Pulse & Digital Circuits (Theory & Lab Practice)” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 21<sup>st</sup> – 26<sup>th</sup> November 2011.

#### **Workshops Organized (18)**

1. Acted as Co-coordinator for Faculty Development Programme (FDP) On “Intellectual Property Rights” organized by IQAC, Gudlavalleru Engineering College, Gudlavalleru in association with ISTE, on 26<sup>th</sup> March 2022.
2. Acted as Co-coordinator for a 5 - Day National Level AICTE Training And Learning (ATAL) Academy Sponsored Online Faculty Development Programme (FDP) On Internet of Things (IoT) organized by Gudlavalleru Engineering College, Gudlavalleru, during 7<sup>th</sup> - 11<sup>th</sup> December 2020.
3. A National Level Webinar On “Intellectual Property Rights & Patents - A View”, organized by Gudlavalleru Engineering College, Gudlavalleru, during 10<sup>th</sup> – 12<sup>th</sup> August 2020.
4. One week International online Knowledge Development Programme on “Challenges and Advancements in the Design of IoT, Embedded and VLSI Systems: A Researchers

- View" (CADIEVR – 2020), organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru, during 8<sup>th</sup> - 13<sup>th</sup> June, 2020.
5. One week faculty development programme on “Data Acquisition and RT using LabVIEW”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru in association with National Instruments, Bangalore, during 25<sup>th</sup>-30<sup>th</sup> November 2019.
  6. Three day workshop on “Embedded System Design using Advanced TI Tools”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru under Texas Instruments University Program in association with EdGate Technologies Pvt. Ltd. Bangalore, during 14<sup>th</sup> –16<sup>th</sup> Oct 2019.
  7. One Week FDP on “Communications and Signal Processing”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 29<sup>th</sup> Oct – 3<sup>rd</sup> Nov 2018.
  8. One Day Training Programme on “DSP Kits”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru on 12<sup>th</sup> July 2018.
  9. Two day staff training programme on “MATLAB Tools for Engineers – Hands on Experience”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 10<sup>th</sup> - 11<sup>th</sup> January 2017.
  10. One day workshop on “Embedded System Design for Wireless Sensor Networks Applications” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru on 7<sup>th</sup> January 2015.
  11. One day workshop on “Speech Processing: Current Challenges and Hands-on Experience” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru on 23<sup>rd</sup> August 2014.
  12. One week faculty refresher course on “Signals & Systems” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 9<sup>th</sup> – 13<sup>th</sup> June 2014.
  13. Two day workshop on “Embedded System Development”, organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 30<sup>th</sup> - 31<sup>st</sup> December 2013.
  14. Two day workshop on “Issues in Integrated Circuits (ICs) Design” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 13<sup>th</sup> – 14<sup>th</sup> December 2013.
  15. Two weeks ISTE workshop on “Analog Electronics” organized by IIT Kharagpur in association with department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 4<sup>th</sup> -14<sup>th</sup> June 2013.
  16. “YODHA Technical Project Expo & Innovative Models Expo” for B.Tech students organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru on 1<sup>st</sup> February 2013.
  17. “Applications of Electronics.... a Technical Expo” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru on 24<sup>th</sup> September 2012.
  18. A Two day workshop on “Digital Image Processing & Lab Practice for IV B.Tech. Students” organized by department of ECE, Gudlavalleru Engineering College, Gudlavalleru during 27<sup>th</sup> – 28<sup>th</sup> July 2012.

### **Events Organized (3)**

1. Acted as Coordinator for **National Level Project Envision and Tech-Innovate Hackathon** as part of Silver Jubilee celebrations (1998-2023) of Seshadri Rao

Gudlavalleru Engineering College organized Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 30 – 31 October 2023.

2. Acted as Coordinator for **ISTE State level Student Convention & Award Function 2022** as part of Silver Jubilee celebrations (1998-2023) of Seshadri Rao Gudlavalleru Engineering College organized by ISTE AP Section and Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, during 11 - 12 August 2023.
3. Acted as Coordinator for Innovation Day celebrations in the remembrance of Dr. A.P.J. Abdul Kalam as **National Level SRGEC IDEATHON 2022** organized by IIC, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, on 15<sup>th</sup> October 2022.

### Consultancy

1. M. Kamaraju, **B. Rajasekhar**, Y. Sri Chakrapani, G. Ramakrishna, “Automatic Speech Emotion Recognition using Self-attention based Deep Learning with Optimal Feature Selection Approach”, SAK Informatics Pvt. Ltd., Hyderabad, worth Rs. 50,000, September 2023.

### R&D

S. No.	Project Title	Source of Funding	Duration	Role	Status
1.	Wireless Attendance Monitoring System	Internal R&D	One Year	Co-Investigator	Completed

### Professional Body Membership

S. No.	Name of the Professional body	Membership Type & Number
1.	Institute of Electrical and Electronics Engineers – IEEE	Senior Member - 92166361
2.	The Institute of Engineers (India) – IE(I)	Fellow - 1281077
3.	The Institute of Electronics & Telecommunication Engineers - IETE	Fellow – 198489
4.	International Association of Engineers – IAENG	302037
5.	Indian Society for Technical Education (ISTE)	Life Member 134650
6.	Indian Society for VLSI Education	Fellow Member FM15031

### Administrative positions held

1. HoD of ECE Department since Dec 2023.
2. IEEE SRGEC Student Branch Counsellor since Sep 2023.
3. Institution NBA coordinator since Aug 2021.
4. ECE department NBA coordinator during June 2020 to July 2021.
5. Institution NIRF coordinator since Oct 2019.
6. ECE department budget coordinator since June 2015.
7. ECE department ECAD Lab in-charge since June 2014.
8. ECE department NBA coordinator during June 2015 to February 2017.
9. ECE department Communication Lab In-Charge during June 2013 to May 2014.

10. Institution Examination In-charge during June 2004 to May 2006.

#### **Awards**

1. Indian Society for Technical Education (ISTE) Andhra Pradesh Section State Award 2023, “**Best Electronics and Communications Engineering Teacher for AGECE State Award**” sponsored by Adithya Group of Engineering Colleges, Surampalem, Kakinada on 25<sup>th</sup> October 2024.
2. “**C V Raman Prize 2021**”, in recognition of outstanding Professional & Research achievements in the field of Electronics & Communication Engineering on 20<sup>th</sup> January 2022. <http://inres.in/>
3. “**Research Excellence Award 2021**”, in recognition of outstanding Professional & Research achievements in the field of Electronics & Communication Engineering on 20<sup>th</sup> January 2022. <http://inres.in/>
4. “**Man of Excellence Award, 2021**”, in Recognition of Outstanding Professional Achievement & Contribution in Nation Building by Indian Achievers' Forum, Delhi on 11<sup>th</sup> August 2021. <https://www.iafindia.com/dr-b-rajasekhar/>.
5. “**Outstanding Active Associate Professor of The Year 2021**”, in recognition for outstanding contribution in the Education & social service sector by Leadify India, New Delhi on 7<sup>th</sup> August 2021. <https://www.leadifyindia.com/leadify-india-awards-2021/>.
6. “**Global Eminent Teacher Award – 2021**”, presented by VIJ Trust on 26<sup>th</sup> April 2021. <https://www.vijtrust.com/awardees>.

#### **Research Projects Submitted (2)**

1. Submitted proposal to Science and Engineering Research Board (SERB) - Core Research Grant (CRG) Scheme with project's file no CRG/2022/000775/EEC, titled “Design, development and testing of a speaker independent Telugu speech emotion recognition system with effective acoustic features using MATLAB” worth Rs. 50.4 lakhs on 9<sup>th</sup> April 2022.
2. Submitted proposal to Biotechnology Industry Research Assistance Council (BIRAC) - Biotechnology Ignition Grant (BIG) Scheme with permanent Reference No - BIRAC/IKP01586/BIG-20/22, titled “Design and development of a low cost handheld device for real time acquisition of ECG signals and analysis for automatic detection of abnormalities interpreting filtered ECG signals using a tool developed using MATLAB” worth Rs. 34.17 lakhs on 25<sup>th</sup> February 2022.

#### **Innovation Ambassador Activities**

1. Undergone Innovation Ambassador (IA) training ‘Advanced Level’ (Total 15 Sessions of 30 contact hours) conducted in online mode by MoE’s innovation Cell & AICTE during the IIC calendar year 2021-22.
2. Undergone Innovation Ambassador (IA) training ‘Foundation Level’ (Total 15 Sessions of 30 contact hours) conducted in online mode by MoE’s innovation Cell & AICTE during the IIC calendar year 2021-22.

#### **Scientific / Organizing Committee Member**

1. Acted as **Session Chair** for “3<sup>rd</sup> International Conference on Microelectronics, Computing Systems, Machine Learning & Internet of Things (MCMI-2022)”, organized by Indian Society for VLSI Education (ISVE), Advanced Regional Telecom Training Centre, BSNL, Hazaribag Road, Ranchi-835217, Jharkhand, India during 17<sup>th</sup> -18<sup>th</sup> September 2022 in Virtual Mode.
2. Acted as **Scientific Committee Member** for “International Conference of advances in Science, Engineering and Technology (ICASET-2021)” organized by Institute For Engineering Research and Publication (IFERP) held during 29<sup>th</sup> – 30<sup>th</sup> December 2021.
3. Acted as **Scientific Committee Member** for “International Conference on Advances in Science, Engineering and Technology (ICASET-2021)” organized by KSRM College Of



Engineering, Andhra Pradesh, in Association with Institute For Engineering Research and Publication (IFERP) during 21<sup>st</sup> – 22<sup>nd</sup> May 2021.

4. Acted as **Technical Committee Member** for AICTE Sponsored, “International Conference on Computing, Communication, Electrical and Electronics Engineering [ICCCEEE - 2020]”, organized by G. Pulla Reddy Engineering College, Kurnool, Andhra Pradesh, during 10<sup>th</sup> - 11<sup>th</sup> January 2020.
5. Acted as **Scientific Committee Member** for “International Conference On Academic Science and Engineering”, organized by Institute For Engineering Research And Publication (IFERP) during 15<sup>th</sup> - 16<sup>th</sup> November 2019.

#### **Interaction with outside world**

1. Immediate Past Chairman, IETE Vijayawada Centre, Vijayawada for the period July 2024 – June 2026.
2. Chairman, IETE Vijayawada Centre, Vijayawada for the period July 2022 – June 2024.
3. Executive Committee member, IETE Vijayawada Centre, Vijayawada during 2018 – 2020 and 2020 - 2022.
4. Executive Committee member, Institute of Engineers (India), Andhra Pradesh State Centre, Vijayawada during 2016 - 2018.
5. Executive Committee member, Institute of Engineers (India), IE Vijayawada local centre during 2014 – 2016.
6. Executive Committee member, IETE Vijayawada local centre, Vijayawada during 2014 – 2016.
7. Acted as BoS member for department of ECE, Gudlavaluru Engineering College, Gudlavaluru.
8. Acted as Judge for “A Student Technical Paper Contest – 2014” conducted by IETE Vijayawada Centre on 2<sup>nd</sup> February 2014.
9. Co-opted member, IETE Vijayawada Centre, Vijayawada during 2012 - 2014.

#### **Activities as Chairman, IETE Vijayawada Centre (30)**

1. Acted as **Chief Guest** at RK College of Engineering, Ibrahimpatnam, Vijayawada for “A National Level one Day Technical Symposium Azura 2k24” themed “Explore the Talent” in association with IETE Vijayawada chapter, on 2<sup>nd</sup> April 2024.
2. Acted as **Keynote Speaker** at Dhanekula Institute of Engineering & Technology, Vijayawada for “National Conference on Advanced Technologies” on 16<sup>th</sup> March 2024.
3. Celebrated “**70<sup>th</sup> IETE Foundation Day**” at PVP Siddhartha Institute of Technology, Vijayawada, and launched IETE Website ([www.ietevijayawada.org](http://www.ietevijayawada.org)) on 2<sup>nd</sup> Nov 2023.
4. Acted as **Chief Guest** for the Inauguration of IETE Students’ Forum (ISF) at ECE department of Amrita Sai Institute of Science & Technology, Paritala on 15<sup>th</sup> September 2023.
5. Acted as **Chief Guest** for the Inauguration of IETE Students’ Forum (ISF) at ECE department of Mother Teresa Institute of Science and Technology, Sathupally on 26<sup>th</sup> June 2023.
6. Acted as **Chairman** for the “World Telecommunication & Information Society Day – 2023” organized by KKR & KSR Institute of Technology and Sciences, Guntur in association with IETE Vijayawada Centre on 17<sup>th</sup> May 2023.
7. Acted as **Expert Judge** for National Level Project Expo organized by Dhanekula Institute of Engineering & Technology, Vijayawada in association with IETE Vijayawada Centre on 29<sup>th</sup> April 2023.
8. Acted as **Chief Guest** for the Inaugural function of International Conference on “Communications, Signal Processing & Computing (ICCSPPC-2023)” organized by ECE Department of Bapatla Engineering College, Bapatla in association with IETE Vijayawada Centre during 17<sup>th</sup> - 18<sup>th</sup> April 2023.

9. Acted as **Guest of Honor** for the Inauguration of IETE Organizational Membership and IETE Students' Forum (ISF) of ECE Department, School of Engineering and Sciences, SRM University-AP, Amaravathi on 21<sup>st</sup> March 2023 along with Dr. V. Gunasekhar Reddy, President, IETE, New Delhi, invited as Chief Guest.
10. Acted as **Guest of Honor** for the International Women's Day Celebrations at Bapatla Women's Engineering College, Bapatla, on 7<sup>th</sup> March 2023.
11. Acted as **Chief Guest** for the Inauguration of IETE Students' Forum (ISF) at ECE and CSE department of Bapatla Women's Engineering College, Bapatla, on 7<sup>th</sup> March 2023.
12. Acted as **Chief Guest** for the Inauguration of IETE Students' Forum (ISF) at ECE department of Sree Vahini Institute of Science & Technology, Tiruvuru, on 24<sup>th</sup> February 2023.
13. Acted as **Chief Guest** for the Inauguration of IETE Organizational Membership of College and IETE Students' Forum (ISF) at ECE department of Usha Rama College of Engineering & Technology, Vijayawada, on 16<sup>th</sup> February 2023.
14. Celebrated "**IETE Students Day - 2023**" at St. Ann's College of Engineering & Technology, Chirala on 1<sup>st</sup> February 2023.
15. Acted as **Guest of Honor** for the Inauguration of IETE Students' Forum (ISF) of SENSE department, VIT-AP University, Amaravathi on 21<sup>st</sup> January 2023 along with Dr. V. Gunasekhar Reddy, President, IETE, New Delhi, invited as Chief Guest.
16. Acted as **Chief Guest** for the Inauguration of IETE Students' Forum (ISF) at ECE department of RK College of Engineering, Vijayawada, on 6<sup>th</sup> January 2023.
17. Acted as **Chief Guest** for the Poster Presentation event organized on the occasion of National Energy Conservation Day at DVR & Dr. HS MIC College Of Technology, Kanchikacherla on 14<sup>th</sup> December 2022.
18. Invited to deliver a **talk** on "IETE Membership" for students at Vignan Nirula Institute of Technology and Science for Women, Guntur, on 26<sup>th</sup> November 2022.
19. Acted as **Chief Guest** for the event World Television Day Celebrations at Andhra Loyola Institute of Engineering and Technology, on 21<sup>st</sup> November 2022.
20. **Industry visit to Doordarshan Kendra**, Vijayawada, on the eve of "World Television Day" on 21<sup>st</sup> November 2022 along with the office bearers and the corporate members of IETE Vijayawada Centre.
21. Invited to deliver a **Guest Lecture** on "Awareness and Benefits of IETE membership" for students at QIS College of Engineering and Technology, Ongole, on 5<sup>th</sup> November 2022 through online.
22. Acted as **Chief Guest** for the Paper Presentation event organized on the occasion of 69<sup>th</sup> IETE Foundation Day celebrations at Lakireddy Bali Reddy College of Engineering, Mylavaram, on 2<sup>nd</sup> November 2022.
23. Celebrated "**69<sup>th</sup> IETE Foundation Day**" at VR Siddhartha Engineering College, Vijayawada, and released IETE Newsletter (Quarterly) on 2<sup>nd</sup> November 2022.
24. Acted as **Chief Guest** for the Inauguration of IETE Students' Forum (ISF) at ECE department of Sri Vasavi Institute of Engineering & Technology, Nandamuru, and to deliver a **Guest Lecture** on "Applications of Image & Video Processing" for students on 29<sup>th</sup> October 2022.
25. Invited to deliver a **Guest Lecture** on "Applications of Image & Video Processing" for students at DNR College of Engineering & Technology, Bhimavaram on 27<sup>th</sup> October 2022.
26. Acted as **Chief Guest** for the Inauguration of IETE Students' Forum (ISF) at ECE department of Ramachandra Engineering College, Eluru, on 27<sup>th</sup> September 2022.
27. Acted as **Chief Guest** for the Inaugural Session of a Three day EV Technology Workshop conducted by VIHAAN ELECTRIX and EEE, ME and ECE departments of Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru, on 26<sup>th</sup> September 2022.
28. Invited to deliver a **Guest Lecture** on "Career Opportunities in the field of Electronics and Communication Engineering" by Electronics and Communication department of

VKR, VNB & AGK College of Engineering, Gudivada, on the eve of IETE Annual Day celebrations on 24<sup>th</sup> September 2022.

29. Acted as **Chief Guest** for the Inauguration of IETE Students' Forum (ISF) at Internet of Things department of Seshadri Eao Gudlavalleru Engineering College, Gudlavalleru, on 23<sup>rd</sup> September 2022.
30. Acted as **Jury Member** for the project expo event organized by Electronics and Communication Engineering department of Potti Sri Ramulu Chalavadi Mallikarjuna Rao College of Engineering and Technology, Vijayawada on the eve of "Engineer's Day" celebrations on 15<sup>th</sup> September 2022.

**References:**

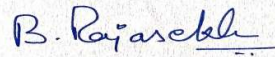
Dr. M. Kamaraju, Professor & Mentor (AS&A), ECE Department, Seshadri Rao Gudlavalleru Engineering College, Gudlavalleru – 521356 Krishna District, Andhra Pradesh. Mobile: 98491 57394 <a href="mailto:profmkr@gmail.com">profmkr@gmail.com</a>	Dr. V. Sumalatha Professor, ECE Department, JNTUA, Ananthapuramu Andhra Pradesh - 515002 Mobile: 94409 82344, 7382720312 <a href="mailto:vsumalatha.ece@jntua.ac.in">vsumalatha.ece@jntua.ac.in</a>
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**Value Offered:**

With the teaching, research and administration experience gained, I promise that, I will work with dedication, commitment and fulfill the responsibilities given to me by your expectations.

**Date:**

**Place: Vijayawada**

  
**RAJASEKHAR BUTTA**