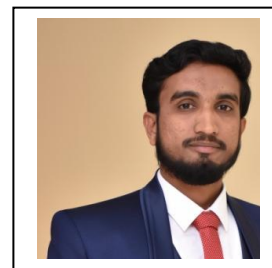


## PROFILE



1. Name : Dr. Mohammad Ziaullah
2. Mobile : +91-9611789200
3. Email :  
mdziaullah\_ec@secab.org  
mdziya1990@gmail.com  
ORCID No: **0000-0003-2607-3585**
4. Designation : Asst. Professor in Electronics and Communication Engineering
5. Education :

College/ University	Degree	Year	Field of Specialization
Malik Sandal Polytechnic Vijayapura Affiliated to DTE.	Diploma	2009	Electronics and Communication Engineering
SECAB I.E.T. Vijayapur Affiliated to VTU Belagavi.	B.E.	2012	Electronics and Communication Engineering
P A College of Engineering Mangalore. Affiliated to VTU Belagavi.	M. Tech.	2015	Digital Communication and Networking
PDA College of Engineering, Kalaburagi Affiliated to VTU Belagavi.	Ph.D.	2024	Biomedical Signal Processing

### 6. Employment record (starting from present position) :

University/College	Designation	Period	
		From	To
SECAB Institute of Engineering & Technology, Vijayapur	Lecturer	2012	2013
SECAB institute of Engineering & Technology, Vijayapur	Asst. Prof.	2015	till date

### 7. Other related experience-research, industrial etc. :

Organization / Employer	Designation	From	To
Research center, Dept of Electronics and Instrumentation Engg. PDA college of Engineering, Kalaburagi	Research Scholar	July 2017	June 2024

**8. Portfolios Handled**

- i. **Internship Central Head (07/08/207 to till date)**
- ii. **PG Central Head (17/01/2020 to till date)**
- iii. **Dept. Admission coordinator (10/08/2019 to till date)**
- iv. **Dept. Research Centre Coordinator (10/08/2016 to 31/07/2019)**
- v. **Alumni Central Coordinator (07/08/2015 to 31/07/2017)**
- vi. **Dept. NAAC Criteria 3**

**9. Consultancy and Sponsored research activities :**

<b>Year.</b>	<b>Organization.</b>	<b>Project Title.</b>	<b>Amount Received</b>
2017-2018	KCSCT Bangalore Students Project	Design And Implementation Of Magic Mirror For Social- Emotion Alleviation In The Smart Home Using GSM	<b>5000/- Rs</b>
2017-2018	KSTA-Bangalore	Design and Implementation of Magic Mirror For Home Security Using IoT and Facial Emotion Detection With Alleviation Effects	<b>5000/- Rs</b>
2020-2021	KCSCT Bangalore Students Project	Iot Based Automated Ticket Collecting And Screening Gate To Prevent Incidents On Railway Platform During Covid-19	<b>6000/-Rs</b>
2020-2021	KCSCT Bangalore Students Project	Design And Implementation of Smart Health Care System For Covid-19 Patients using Esp8266	<b>5000/- Rs</b>
2021-2022	KCSCT Bangalore Students Project	Design And Implementation of Magic Mirror For Social Emotional Alleviation In The Smart Home	<b>6000/- Rs.</b>
2021-2022	KCSCT Bangalore Students Project	Smart Wheelchair to Facilitate Disabled Individual Using IoT	<b>6000/- Rs.</b>
2021-2022	KCSCT Bangalore Students Project	Development of Classification Model For Detection of Different Vehicle On Road using Machine Learning Technique	<b>6000/- Rs.</b>
2023-2024	KTECH NAIN Bangalore	Smart Water Billing for Apartments using IoT& Android Application.	<b>70,000/- Rs</b>

## 10.Publications :

1. **Mohammad Ziaullah**, Roshan Ara, Prakash Shetty, “Review of Security Attacks and Issues in Wireless Sensor Network” in “**International Journal of Research in Engineering & Advanced Technology**”, Volume 3, Issue 1, Feb-Mar, 2015,ISSN:2320-8791
2. **Mohammad Ziaullah**, Roshan Ara, Prakash Shetty, “Review On Contention Based Energy Efficient MAC Protocols For Wireless Sensor Networks” in “ **JOURNAL OF INTERNATIONAL ACADEMIC RESEARCH FOR MULTIDISCIPLINARY (JIARM)**”, Volume 3, Issue 4,May 2015
3. Amjad Khan, Mohammed Zakir Bellary, **Mohammad Ziaullah**, Abdul Razak Kaladgi, “An Experimental Approach to Determine the Effect of Different Orientation of Dimples on Flat Plates” in “**AMERICAN JOURNAL OF ELECTRICAL POWER AND ENERGY SYSTEMS**”, 2015; 4(3): 29-33, May 28, 2015, doi: 10.11648/j.epes.20150403.12, ISSN: 2326-912X (Print); ISSN: 2326-9200 (Online).
4. Amjad Khan, Mohammed Zakir Bellary, **Mohammad Ziaullah**, Abdul Razak Kaladgi “An Experimental Study on Heat Transfer Enhancement of Flat Plates Using Dimples”, in “**AMERICAN JOURNAL OF ELECTRICAL POWER AND ENERGY SYSTEMS**”, 2015; 4(4): 34-38, May 28, 2015, doi: 10.11648/j.epes.20150404.11, ISSN: 2326-912X (Print); ISSN: 2326-9200 (Online).
5. **Mohammad Ziaullah**, Abdul Munaf, “Design and Implementation of Floating Point ALU with Parity Generator Using Verilog HDL” in **IOSR Journal of VLSI and Signal Processing**, Volume 5, Issue 5, Ver. I (Sep - Oct. 2015), PP 00-00 e-ISSN: 2319 – 4200, p-ISSN No. : 2319 – 4197
6. **Mohammad Ziaullah** and Roshan Ara C, “Secured Transmission of Data over AWGN Channel Using Image Features, Steganography”, in International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Volume 23 Issue 6 –OCTOBER 2016 (SPECIAL ISSUE)
7. Roshan Ara.C,Abid.H.Syed,**Mohammad Ziaullah** and Z.H.Agusba, Implementation of Physical-Layer Network Coding in Two Way Relay Networks: A Survey, in International Journal of Emerging Technology in Computer Science & Electronics (IJETCSE) ISSN: 0976-1353 Volume 23 Issue 6 –OCTOBER 2016 (SPECIAL ISSUE)
8. **Mohammad Ziaullah**, Zuber Ahmed Puneekar, Ujwala S, M. Megha,Bhagyashri M, “Denoising of EEG Signals For Analysis of Brain Disorders: A Review”, International Research Journal of Engineering and Technology, ISSN: 2395 -0072 Volume: 04 Issue: 07 July – 2017
9. **Mohammad Ziaullah**, “Border Patrolling Operations Using Intelligent Robot”, in international journal for science and advance research in technology, Volume 3,Issue 10 in October 2017
- 10.**Mohammad Ziaullah**, “*ARM Microcontroller Based Border Security Robot*” in International Journal Of Scientific Research And Development, Volume 5,Issue 6 in August 2017

- 11. Mohammad Ziaullah**, “Enhanced-Transmission Of Data Over Awgn Channel Using Image Features, Steganography And Aes” in International Journal Of Science And Innovative Engineering & Technology May 2019 Issue Volume 7 Isbn 978-93-81288-18-4
- 12. Mohammad Ziaullah**, Kalpana Vanjerkhede “EEG signal analysis for epilepsy seizures detection using wavelet features and SVM" in Journal of Xi'an University of Architecture & Technology, ISSN No : 1006- 7930(Online) (UGC CARE II-Scopus Indexed) Publisher: Science Press. Volume XV, Issue 6, page 371-385
- 13. Mohammad Ziaullah**, Kalpana Vanjerkhede, Classification of EEG signals using wavelet and Machine learning technique, Turkish Journal of Computer and Mathematics Education Vol.13 No.02 (2022), 579-587 DOI: [10.17762/turcomat.v13i03.13068](https://doi.org/10.17762/turcomat.v13i03.13068)
- 14. Mohammad Ziaullah**, Dr Kalpana Vanjerkhede “Automatic detection of epilepsy seizure in EEG using entropy features and CNN classifier: A deep learning approach” published in the Journal International Neurology with Vol. No 27 issue 04 Page No 775-787 Impact factor 2.3 and year of publication 2023 published by Korean Continence Society with DOI:- 10.5123/inj.2023.4.in83
- 15. Mr. Mahantesh Mattada Ms.Naziyabanu.Mulla, Mr. Mohammad Ziaullah, Mr. Arif Makandar, Dr. Saba Fatima** “Enhancing Android Malware Detection: Leveraging Genetic Algorithm for Optimized Feature Selection and Machine Learning” in Journal of Xidian University Volume 17, Issue 10 ,Pages 550-558
- 16. Neha Sadaf Attar, Aarif Makandar, Mohammad Ziaullah, Saba Fatima, Nyamatulla Patel (2024).** IoT-Machine LearningBased Structural Health Monitoring System for Detection of Cracks in Bridges. Saudi J Biomed Res, 9(2): 28-32.

## **11.International Conferences Presented/Attended.**

- 1. Mohammad Ziaullah**, Prakash Shetty, Shoiab Kamal ,“Image Feature Based Authentication and Digital Signature for Wireless Data Transmission” in **2016 International Conference on Computer Communication and Informatics (IEEE-ICCCI -2016) Proceedings , Jan. 07 – 09, 2016, Coimbatore, INDIA.**
- 2. Mohammad Ziaullah**, Roshan Ara, “Secured Transmission of Data over AWGN Channel Using Image Features, Steganography and AES” in **INTERNATIONAL CONFERENCE ON CURRENT RESEARCH AND APPLICATIONS IN ELECTRICAL SCIENCE(ICCRAES-2016),OCT 04-05, Kalaburagi, Karnataka, India.**
- 3. Roshan Ara, Syed Abid , Mohammad Ziaullah**, “Implementation of Physical-Layer Network Coding in Two Way Relay Networks: A Survey” in **INTERNATIONAL CONFERENCE ON CURRENT**

- 4. Mohammad Ziaullah** “Enhanced-Transmission of Data over AWGN Channel Using Image Features, Steganography and AES” in National Conference on “Recent Advancements & Innovations in Electronics & Communication - RAIEC 2018”, KLE College of Engineering & Technology, Chikodi in association with Visvesvaraya Technological University, Belagavi & KLE Technological University, Hubballi On 9th & 10th March 2018
- 5. Mohammad Ziaullah** “Unmanned Ground Vehicle (UGV) Security Robot-A REVIEW” “Recent Advancements & Innovations in Electronics & Communication - RAIEC 2018”, KLE College of Engineering & Technology, Chikodi in association with Visvesvaraya Technological University, Belagavi & KLE Technological University, Hubballi On 9th & 10th March 2018
- 6. Mohammad Ziaullah** , Priyanka Patil. , Anjum Kousar Jamadar , Attar Afshan Javeed, Jabeena Lalsab Mooliman , “Enhanced-Transmission of Data over AWGN Channel Using Image Features, Steganography and AES” 9th INTERNATIONAL CONFERENCE ON RECENT ENGINEERING AND TECHNOLOGY 2019 (ICRET), at New Horizon College of Engineering Bangalore (Bengaluru), Karnataka, India | Date: 5 May, 2019 In Technical Association with IEEE
- 7. Mohammad Ziaullah**, Arif Makandar, Nusrath Kembhavi, Akshata Patil and Archana Patil, “Design and Implementation of Magic Mirror for Home Security Using IoT and Facial Emotion Detection with Alleviation Effects” in Three days International Conference on "Artificial Intelligence and soft computing [ICAISC-2021]". Organized by the department of Computer Science, Karnataka State Akkamahadevi Women's University, Vijayapura. on 11th, 12th and 13th of February 2021. In association with DST CURIE-AI, New Delhi.

## **12.Membership of Academic bodies, Scientific and Professional Societies**

1. Life time Member of ISTE LM114286
2. Member of IAENG: 182925
3. Member OF ISRD: M4150905142
4. Registered Member of Institute Innovation Council (MHRD) for Internship

## **13.Languages Known:**

Languages	Written	Spoken
English	Yes	Yes
Kannada	Yes	Yes
Hindi	Yes	Yes

**14.No. of UG students guided: 30+**

**15.No. of PG students guided: 05**

**16.List of Conferences, Short-term Courses etc. organized / participated**  
**ORGANIZED**

<b>Sr.</b>	<b>Particulars.</b>	<b>Dates.</b>	<b>At.</b>
1.	One day Academic Research Colloquium on Searching Techniques, MOOC courses, and IOT	14-Nov-2016	SECAB I.E.T, Vijayapur.
2.	One day Academic Research Colloquium "IoT And Its Future Application"	28-Mar-2017	SECAB I.E.T, Vijayapur.
3.	One day Academic Research Colloquium "Cyber Physical system"	17-April-2017	SECAB I.E.T, Vijayapur.
4.	One day Academic Research Colloquium "Recent Technologies In Power Electronics Application"	17-Oct-2017	SECAB I.E.T, Vijayapur
5.	Two days Workshop on PCB design and Simulation	30 <sup>th</sup> to 31 <sup>st</sup> Mar- 2016	SECAB I.E.T, Vijayapur.
6.	A Four weeks Internship on " Application Development using python and MATLAB and IoT using Python"	10th Jul to 09th Aug 2018	SECAB I.E.T, Vijayapur
7.	An academic Colloquium on "Recent Advances in Antennas & its Applications"	28th Sep 2018	SECAB I.E.T, Vijayapur
8.	Faculty Development Program under the Banner of ISTE Chapter in Association with AICTE on "Innovative Pedagogy in Teaching Learning"	21st Jan to 26th Jan 2019	SECAB I.E.T, Vijayapur
9.	Academic Colloquium on "Recent Advances in Nanoscale Device Design and Its Applications"	19th Oct 2019	SECAB I.E.T, Vijayapur
10.	Workshop on "Introduction to Research & Searching Techniques"	14th to 15th Oct 2019	Malik Sandal Polytechnic, Vijayapur
11.	A Technical talk & Hands-on session on "DSP using Scilab on OMAP-L138"	11/10/2019	SECAB I.E.T, Vijayapur
12.	a technical talk on "VLSI Design & Embedded Systems and its Applications"	23rd & 24th Nov 2020	SECAB I.E.T, Vijayapur
13.	Four days hands on training session on Cisco certified "Network Associate Routing & Switching"	21-12-2020 to 24-12-2020	SECAB I.E.T, Vijayapur
14.	One month Online Training Program on "Artificial Intelligence & Machine Learning" in Association with FUEL (Friends Union for Energizing Lives)	10th Nov 2020 to 9th Dec 2020	SECAB I.E.T, Vijayapur
15.	One week "CCNA online training on Packet Tracer"	14-Jun-2021 to 19-Jun-2021	SECAB I.E.T, Vijayapur

16. One Month Internship Program In Association with FUEL for final year students of ECE, CSE		N S Infotech Hubballi
17. 4 weeks Internship on Artificial Intelligence using Pythons for final year students of ECE, CSE	29-08-2022 to 20-09-2022	I T Amethyst Services, SIET Campus
18. Three Weeks VTU Internship Program as per NEP 2020	11/10/2022 to 30/10/2022	Training and Placement SIET, Vijayapur
19. Webinar on Selecting Areas of Interest in Electrical Sciences	18th April, 2022	SECAB I.E.T, Vijayapur
20. Procedural Writing and Publishing with Advanced Computer Tools: Hands-On Training	12-05-2022 To 18-05-2022	SECAB I.E.T, Vijayapur

#### **PARTICIPATION IN FDP/WORKSHOP/SEMINARS/COLLOQUIUM/**

1. Faculty Development Program on “Faculty Orientation”	06th Nov to 07th Nov 2015	SECAB I.E.T, Vijayapur
2. One week workshop on” outcome based education”	18 <sup>th</sup> to 23 <sup>rd</sup> Jan 2016	SECAB I.E.T, Vijayapur
3. International Conference On Current Research And Applications In Electrical Science (Iccraes-2016)	04 <sup>th</sup> to 05 <sup>th</sup> Oct 2016	PDACE, Kalaburagi
4. International Conference on Computer Communication and Informatics ( <i>IEEE-ICCCI</i> -2016)	07 <sup>th</sup> to 09 <sup>th</sup> Jan 2016	Shri Shakhti College of Engineering, Coimbatore, Tamil Nadu
5. One day Academic Research Colloquium “ <i>SUSTAINABLE ENERGIES</i> ”	04 <sup>th</sup> to 05 <sup>th</sup> Sep 2016	SECAB I.E.T, Vijayapur
6. Two weeks Faculty Development Programme on “ <i>Applications of MATLAB/ SIMULINK in Control and Power system Engineering</i> ”	19th to 2nd Dec 2017.	BLDEA's Dr. P.G.H.C.E.T, Vijayapur.
7. One week workshop on” LabVIEW- A hands on Approach”	16 <sup>th</sup> to 21 <sup>rd</sup> Jan 2017	SECAB I.E.T, Vijayapur
8. FDP on “ <i>GPUs Ignite Artificial Intelligence, Machine learning and Deep learning</i> ”	06 <sup>th</sup> to 10 <sup>th</sup> Feb 2018	SECAB I.E.T, Vijayapur
9. One week FDP on “ <i>Network Simulator NS2 and Network Securit</i> ”	05 <sup>th</sup> & 10 <sup>th</sup> Feb 2018.	BLDEA's Dr. P.G.H.C.E.T, Vijayapur.
10. One day Workshop titled “ <i>Excelling in Academics through IEEE</i> ”	02 <sup>nd</sup> Feb 2018	BLDEA's Dr. P.G.H.C.E.T, Vijayapur.
11. Two days National Conference “ Recent Advancements & Innovations in Electronics & Communication - RAIEC 2018 “	09 <sup>th</sup> to 10 <sup>th</sup> March 2018	KLE, Chikkodi
12. One day Project Exhibition Sponsored by KSCST	08 <sup>th</sup> May-2018	KLE, Hubbli
13. Two day Project Exhibition Sponsored by KSCST, Bangalore	10 <sup>th</sup> to 11 <sup>th</sup> Aug 2018	BIET, Davangere
14. One Week TEQIP-3 Sponsored FDP on Graphical System Design in Engineering and research	09-Aug-2019 to 13-Aug 2019	Dept of E&IE, Poojya Doddappa Appa College of

Application		Engineering, Kalaburagi.
15. AICTE Sponsored One week STTP on Medical Signal processing, Analysis for Cognitive Research: A practical approach.	27-Jan 2020 to 1 <sup>Feb</sup> 2020	Dept of E&C Poojya Doddappa Appa College of Engineering, Kalaburagi
16. The Role of Artificial Intelligence and Machine Learning in Robotics and Automation A Three Day Online Faculty Development Program	1st-3rd June 2020	Science and Technology Innovation Center, Anurag University, Hyderabad
17. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Artificial Intelligence	9-Nov-2020 to 13-Nov-2020	Dept of E&C Poojya Doddappa Appa College of Engineering, Kalaburagi
18. Participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "An insight to Biomedical Instrumentation, Biomedical Signal and Image Processing with hands on experience and LabVIEW Programming	2-Aug-2021 to 6-Aug-2021	Dept of E&IE Poojya Doddappa Appa College of Engineering, Kalaburagi.
19. AICTE-ISTE Approved FDP on Industrial Automation and Networking	03-Dec-2021 to 09-Dec-2021	BEC Bagalkot
20. Workshop om AI Computer Vision	26-Aug-2022	FUEL,VTU Belgavi
21. National IPR and Awareness Program in association with Govt of India, NIPAM.	10-Aug-2022	SECAB I.E.T, Vijayapur
22. Entrepreneurship and Start up for Beginners organized by Dept of Mech Engg, Bharat Ratna Indra Ghandi college of Engineering, Solapur. National Level	15-Sep-2022	BRIG College of Engg, Solapur
23. Electric vehicle technology & Battery management systems -Challenges & opportunities , Presidency University Bangalore	6.02.2023 to 10.02.2023	Presidency University Bangalore
24. The Emerging Trends in English Literature Science and technology	9th & 10th Feb 2023	SB Arts and KCP Science College Vijayapura
25. Cloud Infrastructure (AWS) Dept. of CSE, JNTUK University College of Engineering Narasaraopet , Andhra Pradesh	21 <sup>st</sup> to 25 <sup>th</sup> Aug 2023	JNTUK University College of Engineering Narasaraopet
26. Innovation Ambassador Training Advanced :Level of 15 sessions	22 -02-2023 to 23-03-2023	MHRD, IIC Ministry of Education NEwdelhi
27. Innovation Ambassador Training Foundation :Level of 15 sessions	15-02-2023to 15-03-2023	MHRD, IIC Ministry of Education NEwdelhi

## **17.. Editor of the Book “ Futuristic Trends in Network and Communication Technologies ”**

Details : Editor Book ID: IIPER1689874501

Publisher : Iterative International Publisher

Imprint: Registered Publisher under Rajaram Mohan Roy Agency, Gov of India

and Bowker My Identifier, USA.



## **18. Published Patent under Intellectual Property India, GOI.**

- Title of the invention: Iot Based Automatic Wearable Sensors For Smart Healthcare Monitoring System Using Wsn, Artificial Intelligence And Machine Learning Algorithms
- Field of Invention : Biomedical Engineering
- Application No. 202321004190 A
- Date of filing of Application : 20/01/2023
- The Patent Office Journal No. 05/2023 Dated 03/02/2023

## **19. Reviewed for many IEEE Conference paper/articles.**

## **20. Activities in Professional Associations**

- i. Appointed as Sitting Squad for the university examination by VTU Belagavi during the year 2019
- ii. Appointed for M.Tech Question paper setting for PG in DIGITAL ELCTRONICS
- iii. M. Tech. and Ph. D. Coordinator Dec 2020-Present
- iv. Appointed as Deputy Chief Superintendent for Examination at various Engg. college by VTU Belagavi.
- v. External examiner for M. Tech (DCN) project Viva-voce at BLDEACET, Vijayapura.

## **21. Software Proficiency**

- i. VHDL, LT- Spice IV- INTERMEDIATE
- ii. SCILAB
- iii. MATLAB
- iv. LabVIEW
- v. Multisim

## **22. Awards and Recognition:**

1. Awarded as Distinguished Alumni of SECAB I.ET, Vijayapur for the year 2017- 2018
2. Received letter of appreciation from President SECAB Association for Outstanding and Good Performer during the academic year 2017-2018
3. Promoted as Assistant Professor Grade II for outstanding performance in academics during the year 2023-2024

