

### ***Personal Information***

Name	K. Brunda Devi
Years of Experience	Teaching: 7 Years 3 Months
Email Id	Brundadevi.k@bvrithyderabad.edu.in
Areas of Specialization	VLSI & Embedded Systems



### ***Educational Qualifications***

PG Degree	M.Tech.	VLSI and Embedded Systems
UG Degree	B.TECH.	Electronics & Communication Engineering

### ***Papers Published***

#### ***International Journal Publications***

Brunda Devi K., T. Sudheer Kumar, Raghava Bhonagiri ” Implementation of Low Power High Speed 16x16 bit Multiplier using Vedic Mathematics”, International Journal of Advances in Engineering and Management(IJAEM), Volume 1, Issue 4, Pp 7-13, October 2014 .

K. Brunda Devi<sup>1</sup> , Bhusarapu Lahari<sup>2</sup> , Katta Lavanya<sup>3</sup> , Police Patel Swaroopa<sup>4</sup> , Tanniru Sri Nitya.<sup>5</sup> “Ventilator Using Arduino with Blood Oxygen Sensor for Covid19” International organization of Scientific Research, Vol. 11, Issue 7, July 2021, ||Series -I|| PP 20-26

#### ***International Conference Publications***

K. Brunda Devi ,N. Snehitha Chowdary “Remote Monitoring of Quality and Portability Drinking Water Sources Using IoT Technology “, ICIECCA-2020\_paper\_89, ISBN: 978-81-948317-2-3

#### ***FDP's Conducted***

1. Coordinated One Week Online AICTE –ATAL Sponsored Faculty Development Programme on “Machine Learning Applications in Micro-Nano VLSI Technologies”, at BVRIT HYDERABAD College of Engineering for Women, Bachupally, Hyderabad from 21<sup>st</sup> to 25<sup>th</sup> June 2021.

#### ***FDPs Attended***

1. Five day FDP on “**Smart Autonomous Driving Systems**” conducted by Ramaiah Institute of Technology, Bangalore on 07<sup>th</sup> to 11<sup>th</sup> March 2022.
2. Five day FDP on “**Devices for Modern Wireless Communication Systems**” conducted by ATAL ACADEMY (AICTE) at School of Studies in Engineering and Technology, Guru Ghasidas Vishwavidyalaya, Bilaspur on 20<sup>th</sup> to 24<sup>th</sup> Sep.2021.

3. Five day FDP on “**Challenges in Adaptive Machine Learning towards 5G/6G Communications**” conducted by ATAL ACADEMY (AICTE) at VNR VJIET on 09<sup>th</sup> Aug. to 13<sup>th</sup> Aug.2021.
4. Five day FDP on “**Advances in Electronics and Communications Engineering for Industrial Applications**” conducted by ATAL ACADEMY (AICTE) at Stanley College of Engineering and Technology for Women on 26<sup>th</sup> July to 30<sup>th</sup> July 2021.
5. Five day FDP on “**Internet of Things(IoT) for Agriculture**” conducted by ATAL ACADEMY (AICTE) at Institute of Technology, Nirma University on 19<sup>th</sup> July to 23<sup>rd</sup> July 2021.
6. Three day FDP on “**Research Trends in VLSI, Communications & Signal Processing**” conducted by Bapatla Womens Engineering College on 08<sup>th</sup> to 10<sup>th</sup> July 2021.
7. One week FDP on “**Multitechnology**” conducted by BVRIT HYDERABAD in association with NYCI & BRAINOVISION Solutions Pvt. Ltd. on 28<sup>th</sup> June to 03<sup>rd</sup> July 2021.
8. Four-day STTP on “**Managing Mental Health During COVID-19 Lockdown Through Indian Epics**” conducted by K S Rangaswamy College of Technology on 07<sup>th</sup> June 10<sup>th</sup> June 2021.
9. Five-day FDP on “**How to write Good Research Article & Proposal**” conducted by BVRIT HYDERABAD on 18<sup>th</sup> to 22<sup>nd</sup> January 2021.
10. One-week STTP “**Recent Trends in Internrt of Things**” conducted by Anurag Engineering College, Kodad -AICTE sponsored under AQIS on 14<sup>th</sup> to 19<sup>th</sup> Dec. 2020.
11. Five-day FDP on “**Augmented Reality (AR) & Virtual Reality (VR)**” conducted by ATAL ACADEMY (AICTE) at Kumaraguru College of Engineering, Tamilnadu from 7<sup>th</sup> Dec. to 11<sup>th</sup> Dec. 2020.
12. Five-day FDP on “**3D printing and Design**” conducted by ATAL ACADEMY (AICTE) at KLN College of Engineering, Tamilnadu from 30<sup>th</sup> Nov. to 4<sup>th</sup> Dec. 2020.
13. Five-day FDP on “**Internet of Things**” conducted by ATAL ACADEMY (AICTE) at Rajkiya Engineering College, Sonbhadra from 5<sup>th</sup> Oct. to 09<sup>th</sup> Oct. 2020.
14. Five-day FDP on “**ROBOTICS**” conducted by ATAL ACADEMY (AICTE) at Adi Sankara Institute of Engineering and Technology on 07<sup>th</sup> to 11<sup>th</sup> September 2020.
15. Two-day FDP on “**FIDDLE WITH VIRTUAL COMPONENTS**” by BVRIT HYDERABAD on 04<sup>th</sup> to 05<sup>th</sup> September 2020.
16. One-week STTP “**WIRELESS COMMUNICATIONS AND MACHINE LEARNING ALGORITHMS**” by Vardhaman College of Engineering on 27<sup>th</sup> July to 01<sup>st</sup> August 2020.
17. One-week International faculty development program “**WIRELESS COMMUNICATIONS AND MOBILE TECHNOLOGIES**” by BVRITH on 6<sup>th</sup> to 10<sup>th</sup> July 2020.

18. Five Day International faculty development program on” **ADVANCEMENT IN COMMUNICATION ENGINEERING TECHNOLOGIES WITH SIMULATION TOOLS**” by Vishnu Institute of Technology on 1<sup>st</sup> July to 5<sup>th</sup> July 2020.
19. Five Day faculty development program on “**ARTIFICIAL INTELLIGENCE**” by CSE & IT Depts. of BVRIT HYDERABAD, In association with NYCI & Brainovision Solutions Pvt. Ltd. On 22<sup>nd</sup> May to 26<sup>th</sup> May 2020.
20. Five Day STTP on “**AN EMERGING PARADIGM OF LOW POWER COMPUTATIONAL VLSI DESIGN**” by BV RAJU INSTITUTE OF TECHNOLOGY on 16<sup>th</sup> June to 20<sup>th</sup> June 2020.
21. Five Day faculty development program on “**SCILAB**” by IIT-Bombay & St.PETERS ENGINEERING COLLEGE on 15<sup>th</sup> June to 19<sup>th</sup> June 2020.
22. One-week FDP on “**POSSESSING THE TWO WARDROBES: COMMUNICATION AND WRITING**” by BS&H, BVRIT HYDERABAD on 25<sup>th</sup> May to 31<sup>st</sup> May 2020.
23. Five Day faculty development program on “**MODERN RESEARCH TRENDS IN COMMUNICATION, SIGNAL PROCESSING AND VLSI/MEMS**” organized by the Dept. of ECE, Andhra Loyola Institute of Engg. & Tech. from 19<sup>th</sup> to 23<sup>rd</sup> May 2020.
24. One-week FDP on “**ARDUINO**” organized by Center for Virtual Learning, Dr.N.G.P. Arts & Science College, Coimbatore, Tamilnadu from 4<sup>th</sup> May to 10<sup>th</sup> May 2020 (spoken Tutorial IIT Bombay).
25. Three Day faculty development program on “**DESIGNING WITH ZYNQ SOC AND IT'S APPLICATIONS**” by UIIC, JNTUH and Corel Technologies on 16<sup>th</sup> to 18<sup>th</sup> October 2019 organized at JNTU, Hyderabad.
26. Three Day faculty development program on “**MACHINE LEARNING & Its APPLICATIONS**” by Prof. Ganapati Panda on 28<sup>th</sup> to 30<sup>th</sup> September 2019 organized at BVRIT HYDERABAD.
27. Three Day faculty development program on “**PROFESSIONAL ETIQUETTE & EMOTIONAL INTELLIGENCE**” by Dept. of BS & H, BVRIT HYDERABAD on 08<sup>th</sup> to 10<sup>th</sup> July 2019 organized at BVRIT HYDERABAD.
28. Two weeks faculty development program on “**ENTREPRENEURSHIP DEVELOPMENT**” by Centre for Entrepreneurship Development (CED), Hyd. on 18<sup>th</sup> to 30<sup>th</sup> March 2019 organized at BVRIT HYDERABAD.

### ***Workshops Attended***

1. Two-day workshop on “**Getting off to a good start of research**” at VEDIC, HYD., 24<sup>th</sup> & 25<sup>th</sup> March 2022.
2. Three-day workshop on “**Embedded Systems- An Application Driven Approach**” organized by AICTE, ATAL, STMicroelectronics and ARM Education on 25<sup>th</sup> to 27<sup>th</sup> August 2021.

3. Two Day workshop on “**RESEARCH METHODOLOGY IN RESEARCH & PUBLICATION ETHICS-KNOW YOUR RIGHT JOURNAL**” organized by Dept. of R&D, IEEE BVRITH GRSS SB Chapter on 28<sup>th</sup> to 29<sup>th</sup> May 2020.
4. One day workshop on “**UNCONCIOUS BIAS IN THE WORKPLACE**” at VEDIC, HYD., 08<sup>th</sup> August 2019.
5. Three-day workshop on “**INSPIRE-IMPACT-INTROSPECT-LEVEL 1**” at VEDIC, HYD., 13<sup>th</sup> to 15<sup>th</sup> May 2019.
6. Three-day workshop on “**STUDENT LEARNING IN INSTRUCTIONAL DESIGN**” at VEDIC, HYD., 12<sup>th</sup> to 14<sup>th</sup> March 2019.
7. One day workshop on “**THINK- TECHNOLOGY – TRANSFORM –LEVEL 1**” at VEDIC, HYD., 20<sup>th</sup> June 2018.
8. Three-day workshop on “**Cultivating Research Mindset**” at VEDIC, HYD., 13<sup>th</sup> to 15<sup>th</sup> October 2016.
9. One day workshop on “**ADVANCED PROGRAMMING TECHNIQUES WITH MATLAB**” at JNTUH, 16<sup>th</sup> September 2016.
10. Two-day workshop on “**ADK**” at BVRIT Hyderabad by Coreel Technologies from 26<sup>th</sup> & 27<sup>th</sup> February 2016.

### ***Certifications***

- Certification on “**Introduction and Programming with IoT Boards**” by Pohang University of Science and Technology through COURSERA by 11<sup>th</sup> Feb.2022
- Certification on “**Introduction to Virtual Reality**” by University of London, Goldsmiths, through COURSERA by 16<sup>th</sup> July 2021.
- Certification on “**Academic Counselling for ODL Learners-2**” by Commonwealth Educational Media Centre for Asia (CEMCA) and Odisha State Open University (OSOU) (MOOCS) – 19<sup>th</sup> April to 30<sup>th</sup> May 2021.
- Certification on “**Advanced Cyber Security Training for Teachers**” by Commonwealth of Learning (COL) (MOOCS) by 12<sup>th</sup> March 2021.
- Certification on “**Digital Literacy Lab for Educators**” by Commonwealth of Learning and Commonwealth Centre for Connected Learning” (MOOCS) -Sep. to October 2020.
- Certification on “**Academic Counselling for ODL Learners**” by Commonwealth Educational Media Centre for Asia (CEMCA) and Odisha State Open University (OSOU) (MOOCS) – 3<sup>rd</sup> Dec. 2020
- Certification on “**Mobile Learning with Multimedia (MLM)**” by Commonwealth of Learning (COL) (MOOCS)- 13<sup>th</sup> Nov. 2020.
- Certification on “**Cyber Security for Teachers**” by Commonwealth of Learning (COL) (MOOCS) – 3<sup>rd</sup> Nov. 2020

- Certification on “**Introduction to the Internet of Things & Embedded Systems**” by University of **California** (COURSERA)-**30<sup>th</sup> Sep** 2020.
- Certification on “**LEARNING TO TEACH ONLINE**” by UNSW Sydney (University of New South Wales) (COURSERA)-**26<sup>th</sup> Aug** 2020.
- Certification on “**POSITIVE PSYCHOLOGY**” by University of North Carolina (COURSERA)-**12<sup>th</sup> Aug** 2020.
- Certification on “**SESORS AND SENSOR CIRCUIT DESIGN**” by University of Colorado Boulder (COURSERA)- **3<sup>rd</sup> Aug** 2020.
- Certification on “**CRITICAL THINKING AND PROBLEM SOLVING**” by Edx from July 20<sup>th</sup> to 27<sup>th</sup> July 2020.
- Certification on “**USING OPEN EDUCATION RESOURCES FOR ONLINE LEARNING: AN INTRODUCTION**” by PACFOLD and COL from Moocs from 09<sup>th</sup> June to 11<sup>th</sup> July 2020.
- Certification on “**WIRELESS COMMUNICATIONS FOR EVERYBODY**” by YONSEI University (COURSERA)- **2<sup>nd</sup> July** 2020.
- Certification on “**INTRODUCTION TO ARCHITECTING SMART IOT DEVICES**” by EIT DIGITAL (COURSERA) – **9<sup>th</sup> June** 2020.
- Certification on “**PROGRAMMING FOR EVERYBODY (GETTING STARTED WITH PYTHON)**” by University of Michigan (Coursera) – **22<sup>nd</sup> May** 2020.
- Certification on “**EXCEL SKILLS FOR BUSINESS: ESSENTIALS**” by MACQUARIE University (Coursera)- **9<sup>th</sup> May** 2020.
- Certification on “**LaTeX**” course organized by Sanjay Ghodawat University (spoken Tutorial IIT Bombay) - **6<sup>th</sup> May** 2020.
- Certification on “**LIFESKILLS FOR ENGINEERS (LEVEL 2)**” by CEMCA & University of Hyderabad from Moocs from **25<sup>th</sup> Feb.** to **13<sup>th</sup> Apr.** 2020.
- Certification on “**OUTCOME BASED EDUCATION & ACADEMIC QUALITY ASSURANCE**” by Udemy on **2<sup>nd</sup> Apr.** 2020.
- Certification on “**LIFESKILLS FOR ENGINEERS (LEVEL 1)**” by CEMCA & University of Hyderabad from Moocs from **1<sup>st</sup> Jan.** to **13<sup>th</sup> Feb.** 2020.
- FDP Certification on “**EMBEDDED SYSTEM DESIGN WITH ARM**” course organized by NPTEL -AICTE from Jan. to March 2019.
- Certification on “**MICROPROCESSOR & MICROCONTROLLER**” course organized by NPTEL January to April 2018.