Name of Faculty	J. BALAKRISHNA	
Designation	Assistant Professor	
Nature of Job/Appointment	Contract	
Date of Joining	11- 07 - 2015	
E-mail	jbalakrishna_ece@cbit.ac.in	
Education Qualifications	**Name of the Degree**	**Class**
PG	M. Tech. (VLSI Design Automation & Techniques)	Distinction
UG	B. Tech. (ECE)	Distinction
Work Experience		
Teaching	08 Years	
Research	03 Years	
Industry	--	
Others	--	
Area of Specialization	VLSI Design, IoT Applications.	
Professional Memberships	--	
Responsibilities held at Institution Level	--	
Responsibilities held at Department Level	1. Member, Course Expert Group 2. Member, Alumni activities (2019)	
Research Guidance	--	
Awards Received	--	
Courses Handled at Under Graduate / Post Graduate Level.	Data Structures, Basic Data structures, Network Theory, VLSI Design, Elements of ECE, Basic Electronics, Digital Electronics, Microprocessor and Micro-Controllers, Embedded systems, Electronic Science.	
No. of Papers Published	National Journals – 00 International Journals – 05	
	National Conference – 00 International Conference – 06	
Projects Carried out	--	
Patents	--	
Technology Transfer	--	
Invited Speaker	1. Delivered Guest Lecture for the event "LIVEIT Living well" in VIT Amaravati on 16th March 2019.	
No. of Books/Chapter Published with details	--	
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/Workshops. Other Trainings (Attended and/or Organized).	1. Successfully completed One Week Faculty Development Program on "Future Nano Electronic Devices & Circuits", organized by Department of ECE, MGIT, Hyderabad, during 6th -10th July 2020. 2. Coordinated One-week Online FDP on "Research Opportunities in Image Processing and Machine Learning", during 29th June to 3rd July 2020. 3. Successfully completed an online training course on "Machine Learning Onramp", offered by MathWorks, on 09-06-2020. 4. Successfully completed One Week Faculty Development Program on "Outcome Based Education-NBA Accreditation Process-(UG)", organized by CBIT(A), Hyderabad, during 28th May to 01st June, 2020. 5. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28thApril to 27th May 2020. 6. Successfully completed "Data Structures", a 4 -Week online non-credit course authorized by University of California San Diego and offered through Coursera on 24th May 2020. 7. Successfully completed "Peer-to-Peer Protocols and Local Area Networks", a 5-Week online non-credit course authorized by University of Colorado and offered through Coursera on 20th May 2020. 8. Successfully completed "Fundamentals of Network	

Communications", a 5-Week online non-credit course authorized by University of Colorado and offered through Coursera on 20th May 2020.

9. Successfully completed "TCP/IP and Advanced Topics", a 5-Week online non-credit course authorized by University of Colorado and offered through Coursera on 17th May 2020.

10. Successfully completed "Packet Switching Networks and Algorithms", a 5-Week online non-credit course authorized by University of Colorado and offered through Coursera on 17th May 2020.

11. Successfully completed the online workshop entitled "Effective and Efficient Online Teaching in the Age of Corona, A Hands-on Workshop", involving 3 days of video lectures and hands-on work, organized by IIT Bombay, on 17th May 2020.

12. Successfully completed "Wireless Communications for Everybody", a 6-Week online non-credit course authorized by Yonsei University and offered through Coursera on 14th May 2020.

13. Successfully completed an online course on "NAAC Awareness Programme for Faculty", offered by Marathwada Mitra Mandal Institute of Technology (MMIT), Lohgaon, Pune, during 8th-14th May 2020.

14. Successfully completed an online training course on "MATLAB Onramp", offered by MathWorks, on 11th May 2020.

15. Successfully completed a one week FDP on "Recent Trends in Advanced Communications", by ECE Dept., Lakireddy Bali Reddy College of Engineering, during 4th-9th May 2020.

16. Successfully completed a 12-Week NPTEL course "NBA Accreditation and Teaching - Learning in Engineering (NATE)", on the SWAYAM platform (swayam.gov.in), during the Jan-Apr 2020 semester.

17. Successfully completed "AI for Everyone", a 4-Week online non-credit course authorized by Deeplearning.ai and offered through Coursera on 25th April 2020.

18. Successfully completed a two day workshop on "Pattern Recognition and Machine Learning" during 30th to 31st May 2019 held at CBIT(A).

19. Successfully completed a one day Symposium on "Significance of Sanskrit for Technological Research", by Samskritha Bharathi Telangana at CBIT on 8th Sept. 2018.

20. Successfully completed a one week Faculty Development Program (FDP) "Transforming in to better performers", by ITC, CBIT during 27th Nov. to 1st Dec., 2017.

21. Successfully completed a one week Faculty Development Program (FDP) "Meeting the challenges of Teacher in modern Engineering Education", by ITC, CBIT(A) during 12th to 17th June, 2017.

22. Successfully completed a one week Faculty Development Workshop was held on "Internet of Things" held at NIT Warangal, during 5th to 10th June 2017.

23. Successfully completed a one day Distinguished Lecture on "Fundamental Insights into Channel and Gate Engineered Double Gate Junction-Less Transistor for Low-Voltage Low-Power Analog and Digital Circuits" held at MJCET, Hyderabad during 12th May 2017.

24. Successfully completed a two days workshop on "Analog VLSI Design", held at CBIT(A) during 17th to 18th March 2017.

International/National Journals from the Year 2017

1. J. Balakrishna, C. Srisailam, "A Novel method for Electrical Energy Consumption Tracking using Internet of Things", JETIR, ISSN: 2349-5162, Volume 6, Issue 6, June 2019.
2. P. Sri Ravali, J. Balakrishna and Dr. N. Alivelu Manga, "FPGA based design and Implementation of Micro-ATM", JETIR, ISSN: 2349-5162, Volume 5, Issue 7, July-2018.
3. J. Balakrishna, K. Suryateja and Dr. N. Alivelu Manga, "Development and Testing of ARNICC429 IP using FPGA for Navigation System", IJRECE, Volume - 6, ISSN No: 2393-9028, pp. 1387-1390, April-June 2018.
4. P. Swathi, Sri J. Balakrishna and Dr. N. Alivelu Manga, "Design and Synthesis of Combinational Circuits using Reversible Logic Gates", IJRECE, Volume -6, ISSN No: 2393-9028, pp. 1465-1468, April-June 2018.

International/National Conference Proceedings from the Year 2017

1. J. Balakrishna, Himamsu M and Dr. N. Alivelu Manga, "IOT Based status tracking and controlling of motor in Agricultural Farms", IEEE UPCON, pp. 1-5, November 2018.
2. P. Sri Ravali, Sri J. Balakrishna, P. Chandrasekhar and Dr. N. Alivelu Manga, "Design and Implementation of Low Noise Amplifier for IRNSS Receiver", IEEE ICIRCA 2018, ISBN: 978-1-5386-2456-2, pp. 454-458, 12th July 2018.