Name of the Faculty	Mr. Bijaya Kumar muni		
Designation	Assistant Professor		
Date of Joining	01-07-2019		
E - Mail	muni.bijaya@gmail.com		
Educational Qualifications	**Name of the Degree**	**Institute**	**Class**
PG	M. Tech (Communication & Signal Processing)	N I T Rourkela	(9.17 CGPA)
PhD (Pursuing)	PhD.	N I T Goa	Pursuing
UG	B.Tech (ECE)	BPUT Odisha	First
Work Experience			
Teaching	11 Years	GCEK,ATRI, BIET,JBIET	
Research	2.5	JRF (ANURAG LAB DRDO, Hyderabad)	
Industry	3	Incus Systems Bangalore	
Responsibilities held at the central level in college	-		
Responsibilities held at the departmental level in college	- NAAC Criteria 1 Coordinator (Department). - Examination I/C Department of ECE (From July 2020 to till date) - NBA Criteria 1 Coordinator (Department). - Basic Simulation Lab In charge.		
Courses Handled at UG Level	- Signals and Systems Course for B. Tech Second Year Students. - Analog Communications Course for B. Tech Second Year Students. - Analog and Digital Communication for B. Tech Second Year - Digital Signal Processing Course for B. Tech Third Year Students. - Spread Spectrum Communication for B. Tech Fourth Year - Cellular & Mobile Communication for B. Tech Fourth Year - Mobile Communication & Networks for B. Tech Third Year - Antenna & Wave Propagation for B. Tech Third Year - Computer Networks Course for B. Tech Fourth Year Students. - Basic Simulation Lab Course for B. Tech Second Year Students. - Digital Signal Processing Lab Course for B. Tech Third Year Students. - Analog Communications Lab Course for B. Tech Second Year		

	Students. • Analog & Digital Communications Lab Course for B. Tech Second Year Students. • BEEE Lab Course for B. Tech First Year Students.
Courses Handled at PG Level	• Spread Spectrum Communication for M.Tech First Year
Area of Research	Communication & Signal Processing, WSN, DOA Estimation
Research Guidance for M. Tech/ Ph. D Students	• Guided 1 M. Tech Dissertations.
Books/ Book Chapters Published	**Physical Layer Design of ZigBee Baseband Transceiver,** A Design Approach. LAP LAMBERT Academic Publishing, Germany, ISBN: **978-3-659-92272-5** Muni, B. K. and Patra, S. K. (2013). *FPGA implementation of ZigBee baseband transceiver system for IEEE 802.15. 4, (Springer Book Chapter)*
Prominent Research Publications in Conferences	Muni, B. K.; Patra, J. P.; Pradhan, B. B. and Prasad, S. T. (2023). *Low Complexity Signal Detection Technique for SFBC-OFDM Systems*, : 1-6. **(IEEE xplore digital library scopus Indexing)** Muni, B. K ; Patra, J. P.;.(2023). A Low Complexity SFBC-OFDM Channel Estimation in Fast Fading Channel." 2023 14th International Conference on Computing Communication and Networking Technologies (ICCCNT). IEEE, 2023. **(IEEE xplore digital library scopus Indexing)** **Dr. Manas ranjan Biswal, Mr. Bijaya Kumar Muni,** Optical Wireless Communication link for SCADA-based Modbus Platform, DISC-2020, JBIET Muni, B. K. and Patra, S. K. (2013). *FPGA implementation of ZigBee baseband transceiver system for IEEE 802.15. 4,* : 465-474. ICAC3 2013, MUMBAI. Muni, B. (2013). *Physical Layer Implementation of a class of ZigBee Baseband Transceiver using FPGA,* . Muni, B. K. and Patra, S. K. (2013). *Low Bit Error Rate ZigBee Baseband Transceiver Design for IEEE 802.15. 4,* .

Prominent Research Publications in Journals	Burla Akhila, Dharavath Nagesh, Bijaya Kumar Muni (2024) *SPACEX FALCON9 LANDING PREDICTION USING MACHINE LEARNING,* **Volume:06/Issue:05/May-2024, IRJMETS** Thanneru Prakash, R. and Gorige Sravya, B. M. (2023). *Fishermen Tracking And Communication,* International Journal of System Design and Information Processing (SDIP) 11 : 32-43. Balaji, K.; Amruth, A.; Sairam, B. and Muni, B. K. (2023). *Smart van for perishable goods transportation systems with SMS Alert,* IJSDIP 11. Thanneru Prakash, R. S. G. S. and Muni, B. K. (2023). *Low Power Long Range Communication and Tracking system for Fishermen,* IJSDIP 11. Biswal, D. M. R.; Muni, M. B. K. and Ryu, D. J.-Y. (2023). *A deep learning approach for ovarian cysts detection and classification (OCD-FCNN) using fuzzy Convolutional Neural Network,* IJSDIP 11. Jana, A.; Reddy, N.; Pradhan, P. K.; Muni, B. K. and Husain, J. (2022). *Synthesis, electrical, magnetic and LPG sensing behavior of conducting polymer/ZnO nanocomposites,* Ferroelectrics 599 : 128-134. Khanna, S. R.; Goud, B. R.; Akhil, G. and Muni4, B. K. (2022). *4G based smart Information system for Lost ATM cards,* IJIRT 8 : 1359-1362. Muni, M. B. K.; Varshitha, K.; Sri, K. N. and Priyanka, N. S. (2022). *4G enabled intelligent Bus Monitoring System using combination of GPS IR Sensors,* International Journal of Techno-Engineering 15 : 97-102. Muni, M. B. K.; Varshitha, K.; Sri, K. N. and Priyanka, N. S. (2022). *4G Enabled Intelligent Bus Monitoring SystemUsingCombination of GPS And IRSensors,* International Journal of Techno Engineering XIV. Khanna, S. R.; Goud, B. R.; Akhil, G. and Muni, B. K. (2022). *4G GSM Based Smart Information System for Lost ATMCards,* IJIRT 8. YADLA, B. and KMuni, B. (2015). *An Efficient Solar Powered Remote Controlled Surveillance Robot.*
Web of Science/Scopus ID	-
Google Scholar ID	https://scholar.google.com/citations?user=FwBCN5MAAAAJ&hl=en

H-Index (As per SCOPUS Database)	2
PROFESSIONAL MEMBERSHIPS	MIAENG
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Attended)	**Attended a 5-day FDP** 'Machine Learning and Predictive Mining using Python' 24/08/2020 to 28/08/2020, NITTTR Chandigarh **Attended a 5-day FDP** 'Neural Networks and Deep Learning' 14/06/2021 to 18/06/2021, **NITTTR Chandigarh** **Attended a 5-day FDP '**Skill Development and Rural Technology Innovation' 26/07/2021 to 30/07/2021, **NITTTR Chandigarh** **Attended a 5-day FDP '**AICTE Recognized FDP on MATLAB - Artificial Intelligence and Optimization Techniques' 21-11-2022-25-11-2022 NITTTR Chandigarh **Six Sigma Certified Trainning** on LEAN SIX SIGMA YELLOW BELT TRAINING, 7-7-2022 **Attended a 5-day FDP "**skill development and Rural Technology Innovation" organized by NITTR during 26-07-2021 to 30-07-2021. **Attended a 2-weeks FDP** on "Recent Trends in Electronics and Communication Engineering" during April 26th -May 2nd, 2020 by ECE Dept., JBIET, Hyderabad. **Attended One-week FDP** on "Recent Trends in Communication Technology" during 26th April to 2nd May, 2020 at JBIET. **Attended online workshop** on "ERADICATING PANDEMIC EFFECTS WITH THE HELP OF 5Q" during 23rd -25th JULY 2020, by ECE Department , JBIET.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Organized)	- Coordinator for International Conference **DISC-2020** on 9th & 10th Jan 2020 as a Coordinator, Department of ECE JBIET - Resource Person on 3-day Workshop on Digital Signal Processing using MATLAB during 04-10-2021 to 7-10-2021. - Organized an **Industrial visit to NRSC ISRO, Jeedimetla, Hyderabad o**n 28-04-2022 - Coordinator for International conference **AATM2023**, JBIET