


Name of the Faculty	B. Sowmya		
Designation	Assistant Professor		
Date of Joining			
E - Mail	bsowmya.ece@gmail.com		
Educational Qualifications	Name of the Degree	Institute	Clas s
Ph. D			
PG	M. Tech (Embedded Systems)	JBREC, Hyderabad	First
UG	B.Tech (Electronics and Communication Engineering)	Teegala Krishna Reddy Engineering College, Hyderabad	First
Work Experience			
Teaching	13 Years		
Research	-		
Industry	-		
Responsibilities held at the central level in college	<ul style="list-style-type: none"> • Anchoring since last 10 years • Women Empowerment Cell Member • Admissions Committee Member 		
Responsibilities held at the departmental level in college	<ul style="list-style-type: none"> • Member Board of Studies • NBA Criteria 3 Coordinator. • NAAC Criteria 2 Coordinator. • Department Club CLIQUE Treasurer • Departmental Activity Coordinator • Lab In charge. 		
Courses Handled at UG Level	<ul style="list-style-type: none"> • Basic Electrical and Electronics Course for B. Tech First Year Students. • Microprocessor and Micro Controller Course for B. Tech Third Year Students. • IC Applications Course for B. Tech Third Year Students. • Embedded Systems Course for B. Tech Third Year Students. • Linear and Digital IC Applications Course for B. Tech Third Year Students. • RTOS Course for B. Tech Third Year Students. • Internet of Things Course for B. Tech Third Year Students. 		
Courses Handled at PG Level	<ul style="list-style-type: none"> • 		

Area of Research	<ul style="list-style-type: none"> • Embedded Systems, IOT designs, Signal Processing with FPGAs
Research Guidance for M. Tech/ Ph. D Students	<ul style="list-style-type: none"> • Guided Four M. Tech Dissertations.
Books/ Book Chapters Published	-
Prominent Research Publications in Conferences	<ul style="list-style-type: none"> • Salauddin Mohammad, Khaleel Rehman, Kallu Snehalatha and Borra Sowmya (2019). "Viability Of Comb Filter For Hearing Impaired Through FPGA." Proceedings of the Doctoral Colloquium 2019 scheduled at UPES, Dehradun on 24th May 2019. • 1. SNEHALATHA KORTHA 2.SOWMYA B Waste management system based on ultra-low power RFID Sensor-tags with IoT environment in Advanced Applications of Technology and Management., Feb 2023. • SOWMYA B Sign Language to text and speech conversion using image processing and machine learning in Advanced Applications of Technology and Management., Feb 2023.
Prominent Research Publications in Journals	<ul style="list-style-type: none"> • 1Sape Theresa Anthony, 2N Namratha Lakshmi, 3Dommeti Sahithi, 4 Asst professor B Sowmya, IOT BASED HEALTH MONITORING SYSTEM in International Journal of Research and Analytical Reviews, E-ISSN: 2348-1269, Volume 9, Issue 2 May 2022 • Snehalatha Kortha Sowmya B Implimentation os small cell antenna based massive MIMO system for high spectrum and energy efficiencies in IJSDIP Volume -11, Issue-2_Page_49-60, ISSN:(Print): 2319-9288 (Online): 2321-0591 • Sowmya B Smart Hand glove for DUMB and DEAF, in IJSDIP Volume -11, Issue-3_ ISSN:2456-4265
Web of Science/Scopus ID	-
Google Scholar ID	-
H-Index (As per SCOPUS Database)	-
PROFESSIONAL MEMBERSHIPS	-
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Attended)	<ul style="list-style-type: none"> • Attended a 5-day FDP "Recent Advancements in Optical Communications and Wireless Networks" Organized by SRM University during 23-05-2022 to 27-05-2022 • Attended a 5-day FDP "skill development and Rural Technology Innovation" organized by NITTR during 26-07-2021 to 30-07-2021. • Three-day International Workshop on Academic Writing and Publishing organized by Institute of Aeronautical Engineering, Hyderabad during 04-08-2022 to 06-08-2022.

- **Attended a 5-day FDP on “Inculcating Universal Human Values in Technical Education” organized by AICTE during 04-10-2021 to 08-10-2021.**
- Attended a 4-day FDP “Online Course on Examination Reforms” organized by AICTE during April 22nd -25th, 2020.
- 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 a 5-day FDP on “Interactive Session on Growing Integrally” during 15th, 16th, 22nd, 23th & 30th May, 2020 by CMR Technical Campus, Hyderabad.
- Attended a 2-day workshop on “MATLAB and its Applications” during June 6- June 7, 2020 by Sri Venkateshwara College of Engineering and Technology.
- Attended a 1-week FDP on “Recent Trends in Communication Technology” during 15th -19th June-2020, by Kommuri Pratap Reddy Institute of Engineering and Technology.
- Attended a 1-week FDP on “Role of Teachers in Quality Enhancement & Accreditation” during 5th -11th June 2020, by Santhiram Engineering College.
- Attended One-week international level FDP on “Wireless Communication and Mobile Technologies” during 6th-10th July, 2020, by BVRIT College of Engineering for Women.
- Attended One-week national level FDP on “An insight into Revised Accreditation Framework of NAAC” during 1st-6th July, 2020 at Narsaropet Engineering College.
- 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.
- Attended One-week FDP on “Artificial Intelligence using Python” during 14th August -19th August 2020 by TKR College of Engineering
- Attended a 3-day National level seminar on” Sensor Networks, Internet of Things and Internet of Everything”, on 8th -10th August 2019 at Vidya Jyothi Institute of Technology, Hyderabad.
- Attended a 2-day workshop on “Internet of Things”, on 28th -29th Sep 2018 at JB Institute of Engineering & Technology Moinabad.
- Attended a one-day workshop on “Incubation and Innovation Ideas”, on 13th November 2017 at JB Institute of Engineering & Technology Moinabad.
- Attended a one week National level workshop on “MATLAB and its Applications-MIA-‘17”, on 1st -6th May 2017 at JB Institute of Engineering & Technology Moinabad.
- Attended a 2-day FDP on “Significance of Outcome Based Education (OBE) in achieving Excellency”, on 21st & 22nd April 2017 at JB Institute of Engineering & Technology Moinabad.
- Attended a one-week FDP on “Effective Teaching Methodologies & Best Practices”, on 22nd -28th Febr 2017 at JB Institute of Engineering & Technology Moinabad
- Attended a 2 day National level workshop on Research Methodologies IN Science, Engineering & Technology, on 28th Feb & 1st March 2014 at JB Institute of Engineering & Technology Moinabad

	<ul style="list-style-type: none"> • Attended Two Days FDP on “Effective Teaching Methodologies & Evaluation”, on 17th & 18th Jan 2014 at JB Institute of Engineering & Technology Moinabad • Attended Two-week ISTE workshop on “Signals & Systems” conducted by IIT Kharagpur from 2-12 Jan, 2014. • Attended a one day FDP on “Advanced Signal Processing”, on 6th Dec 2013 at JB Institute of Engineering & Technology Moinabad. • Attended a 3 day National level conference on “Quality Initiatives in Technical and Higher Educational Institutions”, on 16-18 Sep 2013 at Engineering staff college of India, Gachibowli. • Attended Two-week ISTE workshop on “Analog electronics” conducted by IIT Kharagpur from 4-14 June, 2013. • Attended Two-day ISTE workshop on “Aakash for Education” conducted by IIT Bombay on 10th & 11th Nov, 2012. • Attended a 1-week workshop on Mission 10X JBIET, Moinabad, in June 2011.
Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Organized)	<ul style="list-style-type: none"> • Organized a Seminar on IC fabrication on 23-08-2022. • Organized a Seminar on Recent trends and real time applications of Computer Networks on 15-06-2022. • Organized a 3 Day Vigyan-Tech Fest during 05-05-2022 to 07-05-2022 • Organized a 7 Day Workshop on Arduino Prototyping during 21-10-2021 to 27-10-2021. • Organized a 3-day Workshop on Digital Signal Processing using MATLAB during 04-10-2021 to 7-10-2021. • Organized a 2 day international conference on Devices, Intelligent Systems & Communications, DISC-2020 on 9TH & 10TH Jan 2020 as a Coordinator held at JBIET • Organized a 2 day national level technical symposium ELOQUENCE2K-17 on 21st,22nd &23rd February 2017 as a Coordinator held at JBIET • Organized a 2 day national level technical symposium ELOQUENCE2K-14 on 14th &15th March 2014, as a Coordinator held at JBIET • Organized a 2 day international conference on SMART SYSTEMS, ICSS-2013 as a Coordinator held at JBIET • Organized a 2 day international conference on smart systems-ICSS-2013 AS a Coordinator held at JBIET • Organized a 2 day national conference on Computer Vision and Image Processing, CVIP-2012 as a Coordinator held at JBIET • Organized a 3 days workshop in MATLAB and Applications Organized by HELIX INFO SOLUTIONS HYD, at JBIET.