Name of the Faculty	Mrs.K.Snehalatha		
Designation	Associate Professor		
Date of Joining	10-09-2001		
E - Mail	ksneha.ece@jbiet.edu.in		

Educational Qualifications	**Name of the Degree**	**Institute**	**Class**
PG	M. Tech (Wireless and Mobile Communications)	Vardhaman College of Engineering	First
UG	B.Tech (ECE)	G Narayanamma Institute of Technology and Sciences, Hyderabad	First
Work Experience			
Teaching	22 Years	JBIET	
Research			
Industry	-		

Responsibilities held at the central level in college	- NAAC Criteria 2 Central Coordinator. - Academic Coordinator, from 07-02-202 to till date. - NBA Criteria 3 Coordinator.
Responsibilities held at the departmental level in college	- Member Board of Studies, from 14-04-2014 to till date. - NBA Criteria 3 Coordinator. - NAAC Criteria 2 Coordinator. - Department Club CLIQUE Coordinator from 2012 till date. - AC & DC Lab In charge.
Courses Handled at UG Level	- Signals and Systems Course for B. Tech Second Year Students. - Digital Signal Processing Course for B. Tech Third Year Students. - Analog Communications Course for B. Tech Second Year Students. - Linear and Digital IC Applications Course for B. Tech Third Year Students. - PTSP Course for B. Tech Second Year Students. - Digital Electronics Course for B. Tech Second Year Students. - Computer Networks Course for B. Tech Fourth Year Students. - Analog Communications Lab Course for B. Tech Second Year Students. - Digital Electronics Lab Course for B. Tech Second Year Students. - ICA Lab Course for B. Tech Third Year Students. - Digital Electronics Lab Course for B. Tech Second Year Students. - Basic Simulation Lab Course for B. Tech Second Year Students. - Digital Signal Processing Lab Course for B. Tech Third Year

	Students.
	• BEEE Course for B. Tech First Year Students.
	• BEEE Lab Course for B. Tech First Year Students.
Courses Handled at PG Level	• Image and Video Processing Course for M. Tech VLSISD First Year Students.
Area of Research	Signal Processing
Research Guidance for M. Tech/ Ph. D Students	• Guided Four M. Tech Dissertations.
Books/ Book Chapters Published	-
Prominent Research Publications in Conferences	• Snehalatha "**Design and Implementation of Reconfigurable Polyphase Filter Bank Receiver on Artix-7 FPGA"**, 2019 IEEE International Conference on Intelligent Techniques In Control, Optimization And Signal Processing (INCOS) • 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. • Mrs. K. Snehalatha presented "**Design and Implementation of on Chip Ahb Bus Tracer with Real Time Compression and Dynamic Multiresolution**" in 2 days National Conference CVIP-2013 held at JBIET. • Mrs. K.Snehalatha presented **"Invisible Image Watermarking Using Hybrid DWT Compression Decompression Technique"** in 2 days National Conference ICSS-2013 held at JBIET. • Mrs. K. Snehalatha presented a "**Power Reduction by Guarded Evaluation Considering Logic Architecture in SoC Technology**" in 2 days National Conference ICSS-2013 held at JBIET.
Prominent Research Publications in Journals	• Dr. Saranya S, M Thukaram Reddy, K.Snehalatha , Kancharakuntla Shirisha "Modernizing Cryptography High Throughput Reseeding-Mixing PRNG in the Design and Implementatio of a cutting edge algorithm",TLEMATIQUE, ISSN:1856-4194,Vol 23 Issue 1,2024, pp.39-46 • K.Snehalatha, "ELECTRONIC PROTECTION FOR EXAM PAPER", IJEMA ISO 7021-2008, VOLUME XIV, ISSUE V, ISSN NO:0886-9367, May 2022. • Snehalatha "Auto Intensity Control of Street Lights", IJRAR, E ISSN:2348 1269, VOLUME IX, ISSUE II, P ISSN:2349 5138 May 2022. • Snehalatha "A Novel Edge Enhanced and Colour Interpolation Technique For Video Enhancement" International Journal of Applied Sciences, Engineering and Management ISSN 2320 – 3439, Vol. 04, No. 02, December 2015, pp. 119 – 125

	• Snehalatha "Portable low power health Monitoring & Assistance for critical position during natural disaster" International Journal for Scientific Research & Development ISSN 2320 – 3439, Vol. 04, No. 02, December 2015, pp. 119 – 125 • Snehalatha "Trellis Coded STBC based OFDM for frequency Selective Fading Channels" International Journal of Latest Trends in Engineering and Technology. In 2013, July
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)	• **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 Jnue-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 NACC" 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 14thAugust -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 Febl 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 - 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. - Attended workshop on "Real Time Implementation of DSP Algorithms using Code Composer Studio" conducted by the dept. of ECE, Vardhaman College of Engg, Shamshabad in 2010

Details of Short-Term Training Programs/Faculty Development Programs/Seminars/ Workshops (Organized)	- 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.