Profile

Name of the Faculty	Dr. Haji Habibulla MD
Designation	Associate Professor
Department	Electronics and Communication Engineering
Date of Birth	
DOJ the Institution	20.06.2006
Employee ID	ECE040211

Address for communication		Permanent Address	
Email-ID		habibulla@pvpsiddhartha.ac.in	
AICTE Unique ID	1-454503269		AAPAR ID

Education Qualifications	UG	PG	Ph.D	Others
	B.Tech. (First class)	M.Tech (First with distinction)	Ph.D (Wireless Sensor Networks)	

Work experience	Teaching	Research		Industry	Others
	19 years			1	

Area of Specialization	Wireless Sensor Networks ,Microwave Engineering

Courses taught at Under Graduate/ Post Graduate Level:

UG : Computer Architecture and organization, Computer Networks, Digital Communication, Data Communications, Telecommunications and Switching system, Embedded Systems, Wireless Communication and Networks, Micro Processors & Micro Controllers, Global Position System , IOT, Programming with C, Artificial Intelligence

PG: Multi Media Communication, Wireless Communications

Professional Memberships & ID's : IETE-F-234487, ISTE-LM 102518

Research Publications & Guidance	National Journals	International Journals	National Conferences	International Conferences	Patents	Books / Book chapters
	-	31	01	05	3	-
Masters	03	-	-	-	-

| Details of Paper Publications (In IEEE Format only Descending order) | Journals:

WEB OF SCIENCE

1.   Mr. Habibulla Mohammad," Implementation of deep belief neural network on energy efficient Routing Algorithm in WSN" International Journal of Electronics and Telecommunications, ISSN No.: 2300-1933, Vol.71, No.1 Mar'2025, 309-315. (SCOPUS & ESI)

2.   Mr. Habibulla Mohammad," Token Bucket Algorithm with Modernization Techniques to avoid Congestion in DEC Protocol of WSN" International Journal of Electronics and Telecommunications, ISSN No.: 2300-1933, Vol.69, No.3 July'2023, 507-513. (SCOPUS & ESI)

3.   Mr. Habibulla Mohammad," Lucas Algorithm for Medical Images Encryption and Transmission using Orthogonal Frequency Division Multiplexing for Medical Health Information Systems and its VLSI Realization" International Journal of Online and Biomedical Engineering, ISSN No.: 2626-8493, Vol.17, No.6 Jun'2021, 128-136. (SCOPUS & ESI)

4.   Mr.Habibulla Mohammad," Fibonacci Multichaos Algorithm for Medical Image Encryption for Transmission Through Wavelet Transform Based OFDM System and Its VLSI Realization " International journal of online and biomedical engineering, ISSN No.: 2626-8493, Vol.18 No.6 March'2022, 133-139. (SCOPUS & ESI)

SCOPUS

1.   Mr.Habibulla Mohammad," Distributed Ledger Technology on Enhanced Pegasis Algorithm For Mobility Management in WSN" Journal of Theoretical and Applied Information Technology,, ISSN No.: 1992-8645, Vol.102 No.10, May'2024, 4335-4343. (SCOPUS)

2.   Mr.Habibulla Mohammad," Congestion Detection and Mitigation Technique for Multi-Hop Communication in WSN" International Journal on Recent and Innovation Trends in Computing and Communication, ISSN No.: 2321-8169, Vol.11 No.8s, Aug'2023, 236-241. (SCOPUS)

3.   Mr.Habibulla Mohammad," Empirical investigations to sentiment analysis of movie reviews using LSTM"Journal of Theoretical and Applied Information Technology, ISSN No.: 1992-8645, Vol.101 No.11, Jun'2023, 4184-4193. (SCOPUS)

4.   Mr.Habibulla Mohammad," Spread prediction of COVID-19 in Andhra Pradesh based on environmental chemistry " Rasayan Journal of Chemistry, ISSN No.: 0974-1496, Vol.15 No.02, April-June'2022, 806-812. (SCOPUS)

5.   Mr.Habibulla Mohammad," Big data analytics using mapReduce for education system" Linguistica Antverpiensia, ISSN No.: 0304-2294, Vol.2021 No.1 March'2021, 3130-3138. (SCOPUS)

6.   Mr.Habibulla Mohammad," DSWS- Distributed Sleep/Wake Scheduling Scheme for DEC Protocol in Wireless Sensor Networks" |

International Journal of Recent Technology and Engineering, ISSN No.: 2277-3878, Vol.8 No.2, Jul'2019, 2695-2701. (SCOPUS)

7.   Mr. Habibulla Mohammad," Spectral Efficiency Enhancement Through Wavelet Transform Filter Bank for Future Mobile Communications" International Journal of Innovative Technology and Exploring Engineering, ISSN No.: 2278-3075, Vol.8 No9S2, Jul'2019, 828-829. (SCOPUS)

8.   Mr. Habibulla Mohammad," Image compression using wavelet transform and orthogonal matching pursuit" Journal of Advanced Research in Dynamical and Control Systems, ISSN No.: 1943-023X, Vol.11 Sp-5/2017, Jul'2019, 2289-2292. (SCOPUS).

9.   Mr.Habibulla Mohammad," Implementation of Three-Tier Multihop Technique in Advance Coupling Network Model-Deterministic Energy-Efficient Clustering of Wireless Sensor Networks" Journal of Computational and Theoretical Nano science, ISSN No.: 1546-1955, Vol.16 , Jun'2019, 1-9. (SCOPUS)

10.   Mr.Habibulla Mohammad," Implementation of Multi-hop Technique in Dec Protocol" International Journal of Simulation--Systems, Science & Technology, ISSN No.: 1473-804x, Vol.19 No.4, Aug'2018, 20.1-20.9. (SCOPUS)

11.   Mr. Habibulla Mohammad," Novel rate improvement technique using non orthogonal multiple access for 5G systems" Journal of Advanced Research in Dynamical and Control Systems, ISSN No.: 1943-023X, Vol.10 Sp-4/2018, May'2018, 1967-1974. (SCOPUS).

12.   Mr.Habibulla Mohammad," ACNM: advance coupling network model sleep/awake mechanism for wireless sensor networks" International Journal of Engineering & Technology (UAE), ISSN No.: 2227-524X, Vol.7 No.1.1, Jan'2018, 350-354. (SCOPUS)

13.   Mr.Habibulla Mohammad," Implementation of C-DEC protocol along with sectorization concept for wireless sensor networks" Journal of Advanced Research in Dynamical and Control Systems, ISSN No.: 1943-023X, Vol.9 Sp-18/2017, Mar'2017, 223-234. (SCOPUS)

REPUTED UGC & OTHER JOURNAL PUBLICATIONS

1.   Mr. Habibulla Mohammad," BER Performance analysis of MIMO Wireless communications in frequency and time selective channels" International journal of advanced science and technology, ISSN No.: 2005-4238, Vol.29 No.5,(2020), 9546-9552.

2.   Mr. Habibulla Mohammad," Reduction of PAPR in Orthogonal Frequency Division Multiplexing System Using Optimization Methods" International Journal of Electrical and Electronics Research, ISSN No.: 2348-6988, Vol.8 No.4, Dec'2020, 48-53

3.   Mr. Habibulla Mohammad," Voice Controlled Notice Board Display with Android Application" International Journal of Engineering and Advanced Technology, ISSN No.: 2249–8958, Vol.9 No.3,Feb'2020, 3862-3866.

4.   Mr. Habibulla Mohammad," Simulation of Gabor Filter Algorithms

For Fingerprint Recognition" International Journal of Recent Technology and Engineering, ISSN No.: 2277-3878, Vol.8 No.2, Jul'2019, 2695-2701.

5.   Mr.Habibulla Mohammad, " Fingerprint Recognition Based on Compressive Sensing using Gabor Filters" International Journal Of Research In Electronics And Computer Engineering, ISSN No.: 2393-9028, Vol.6 No.3, Jul-Sep'2018, 1884-1890.

6.   Mr. Habibulla Mohammad," Optimal Lie Detector using NI MyDAQ" International Journal of Management, Technology And Engineering, ISSN No.: 2249-7455, Vol.8 No.11,Nov'2018, 718-725

7.   Mr. Habibulla Mohammad," Implementation of DEEC Protocol Using Optimization Technique in Wireless Sensor Technology" International Journal on Future Revolution in Computer Science & Communication Engineering, ISSN No.: 2454-4248, Vol.4 No.11, Nov'2018, 86-90

8.   Mr. Habibulla Mohammad," Routing Optimization In Mobile Ad-Hoc Networks Through Cross-Layer Design" International Journal Of Scientific Research And Education, ISSN No.: 2321-7545, Vol.3 No.3, Mar'2015, 3076-3083

9.   Mr. Habibulla Mohammad," Implementation of Deterministic Energy-Efficient Clustering Protocol" International Journal Of Scientific Research And Education, ISSN No.: 2321-7545, Vol.3 No.7, Jul'2015, 4176-4184

10.   Mr. Habibulla Mohammad," Resource Allocation for Cooperative Communication Using Game Theory" International Journal Of Scientific Research And Education, ISSN No.: 2321-7545, Vol.2 No.11, Nov'2014, 2438-2444

11.   Mr. Habibulla Mohammad," Performance Evaluation of Outage Behavior Of Cooperative Diversity In Wireless Networks" International Journal Of Scientific Research And Education, ISSN No.: 2321-7545, Vol.2 No.1, Nov'2014, 2321-7545

12.   Mr. Habibulla Mohammad," A Novel Approach of Rayleigh Fading Channel and MIMO Multiple Relay Assignment in OFDM-based System using amplify-and-forward (AF) Relay Strategies" International Journal of Engineering Research & Technology, ISSN No.: 2278-0181, Vol.2 No.11,Nov'2013, 4157-4161

13.   Mr.Habibulla Mohammad, "Fibonacci Transform Algorithm for Encryption and Decryption of Covid Images" Turkish Journal of Computer and Mathematics Education, ISSN No.: 1309-4653, Vol.12 No.8, Apr'2021, 127-133.

14.   Mr. Habibulla Mohammad, "Mathematical modelling to maximize OFDMA system using Margin Adaptive Resource Allocation Technique" Turkish Journal of Computer and Mathematics Education, ISSN No.: 1309-4653, Vol.12 No.8, Apr'2021, 122-126.

	Conferences: 1. Presented/Contributed a paper entitled Voltage Controlled Oscillator for Bluetooth and WiFi Applications with 22nm Technology- 2024 15th International Conference on Computing Communication and Networking Technologies, ICCCNT 2024 at IIT - Mandi, from 24th - 28th Jun-2024. (Scopus) 2. Presented/Contributed a paper entitled Image transmission through Discrete Wavelet Transform based Orthogonal Frequency Division Multiplexing using Orthogonal Matching Pursuit - International E-Conference - on Energy, Control, Computing and Electronic Systems at Sri Vidyanikethan Engineering College, Tirupathi, from 27th - 29th November-2020 3. Presented/Contributed a paper entitled Patient Health Monitoring system using IOT and Labview - International Conference on Signal Processing & Communication Engineering Systems (SPACES-2021) during 11-12 June 2021. (Scopus) 4. Presented/Contributed a paper entitled FPGA Implementation of Image Compression Using Compressive Sensing – 4th International Online Multidisciplinary Research Conference organized by Conference World at Osmania University Centre for International Program, Osmania University Campus, Hyderabad (India), ISN: 978-93- 86171-28-3, October-2020. 5. Presented/Contributed a paper entitled performance characteristics of CDMA receiver on 9th & 10th Feb 2010 organized by dept. of ECE, at J.D. Engineering College., Nagpur. 6. Presented /Contributed a paper entitled MoM analysis of longitudinal slot in the common broad wall b/w two rectangular wave guide in National Conference on Advanced Communication Technologies (NCACT-2008) on 29thfeb 2008 organized by dept. of ECE, V.R. Siddhartha Institute of Technology.
Details of Patents Published / Granted	1. Mr. Habibulla Mohammad, Sr. Assistant Professor, published a patent — Voice Based Smart Home Automation System with the application no: 202041050057 on 27-11-2020. (Granting Organization: Indian Patent office Journal No. 48/2020 Dated 27/11/2020)) 2. Mr. Habibulla Mohammad, Sr. Assistant Professor published a patent — A System for Monitoring Water Quality on Real-time Basis, A Device and a Method Thereof with the application no: 202041054841A on 25-12-2020. (Granting Organization: The Patent Office India Journal No. 52/2020 Dated 25/12/2020) 3. Mr. Habibulla Mohammad, Sr. Assistant Professor, published a patent — Automatic Wireless Parking Identification and Warning System with the application no: 202041055527 on 01.01.2021. (Granting Organization: Indian Patent office)

Details of Certification Courses / Workshops / STTP's / FDP (participated / organized)	1. Attended a 21 Days Masterclass on Jetson AI from 22.11.2024 12.12.2024 organized by IETE in association with Pantech E Learning
	2. Attended a Microstrip Patch Antenna Design Techniques and Too from 16.09.2024 to to 20.09.2024 organized by NITTTR Chandigarh
	3. Attended a 6 Days Recent Advancements in AI and IoT- Indust Perspective from 25.11.2024 to 30.11.2024 organized by Periy Maniammai Institute of Science and Technology in association wit Pantech E Learning
	4. Attended a Nine days Malaviya Mission teacher training progra on "NEP Orientation & Sensitization Programme" from 19.09.2024 27.09.2024 organized by UGC-MMTTC, AU
	5. Organized Institute level webinar on "Intellectual Property Rights (IPI Objectives and Solutions " in association with Derwent World Pate Index (DWPI) on 23rd July 2021
	6. Organized Institute level webinar on "Intellectual Property Rights (IPI in association with Intellectual Property India under Nation Intellectual Property Awareness Mission (NIPAM) on 23rd Feb 2022
	7. Organized Institute level webinar on "IPRs & Patent / Designs filing" association with Intellectual Property India under National Intellectu Property Awareness Mission (NIPAM) on 12th Oct 2022
	8. Organized Institute level seminar on "Research for Quality Publication & Funding" by Dr. Subrahmanya Sastry Challa, Professor,II Hyderabad on 16th Sept 2022
	9. Organized Coursera certification courses for both staff and students ECE Dept. Total students certifcations-276 and faculty certifications-7
	10. Organized various BSNL Certified workshops for ECE students
	a. Three Day Certified Coursework on "Overview on late Telecom Technologies" by BSNL for IV B.Tech ECE studen from 22-24 October, 2014
	b. Four day training programme on "Telecom Technologies" fro 5-8 March, 2015 for III B.Tech ECE students
	c. 4 day Technical Training program was conducted on Late Telecom Technologies for III B.Tech ECE students by BSN during 22nd – 25th January, 2019.
	11. Organized various APSSDC Certified workshops for ECE studen (Total 13 Programs).Few programs listed below
	a. A 3 day workshop on IOT using RASPBERRY PI BOARD for III B.Tech ECE students from 31st Jan'2019 to 2nd Fe 2019.
	b. A summer training program on Introduction to Programmir the Internet of Things (IOT) in association with by APSSDC "COURSE-ERA" (University of California, IRVINE) from 24 April – 23rd May, 2019.
	c. A Six day training program on PCB Fundamentals for B.Tech. students from 29th July to 03rd Aug'2019.
	d. A Five day training program on IOT through Arduno UNO f

		III Year students during 4th – 8th November, 2019.
		e. A 15-day training program on Python Programming for I B.Tech. ECE during 03rd -21st August, 2020.
		f. A Six day training program on PCB Design for II Year studen during 09th -14th Oct'2023
	12.	Organized Online Internship Course on Programming with Arduino Ur and Raspberry Pi with Radar Sensors for IoT Applications in associatio with Sri Shasha Prayathi Technologies & National Institute Technology Karnataka Science and Technology Entrepreneurship Pa (NITK-STEP) for 3rd B.Tech.. ECE students from 6th March 2023 7th April 2023
	13.	Completed course certification on "Speak Up" organized by Infos springboard on 04 February 2022
	14.	Completed course certification on "Time Management" organized k Infosys springboard on 04 February 2022
	15.	Attended one week workshop on "Cellular and Wirele Communications" organized by K.L. University from 8-13 Decembe 2014
	16.	Attended a one week Short Term Course on "Mobile Computing" fro 15-19 February,2016 organized by National Institute of Technic Teachers Training and Research (NITTTR), Chandigarh at PVPSIT.
	17.	Attended one week short term training course on "Web based Conte Generation" through ICT by NITTTR, Chandigarh from 28th Marc 2016 to 1st April, 2016 at PVPSIT
	18.	Attended Orientation workshop for AICTE selected institutions relate to "Pradhan Mantri Kaushal Vikas Yojana (PMKVY)" at JNTUI Hyderabad on 19th November, 2016.
	19.	Attended an Expert Guest Lecture & IEEE International Conferenc SPACE18 organized by Dept.of ECE, KLU on 4th & 5th January, 201
	20.	Attended three day workshop on Entrepreneurship Awareness cam (DST – NOMAT Project) during 31st Jan- 2nd Feb'2019 organized k MBA dept.,PVPSIT in association with Entrepreneurship Developme Institute of India.
	21.	Organized One day workshop on Moodle enabled Blended Teachin Learning and Assessment on 17th August, 2019, by e-learning Dep IBS, ICFAI Group, Hyderabad.
	22.	Attended one week ICT based training Programme on Control ar Automation by NITTTR, Kolkata at PVPSIT during 18th – 22 Nov'2019.
	23.	Participated in AICTE sponsored FDP on IoT Application Developme Using Python (SMART CITY) organized by Department of ECI Narasaraopeta Engineering College, Narasaraopet during 14th – 19 Sep'2020.
	24.	Participated in AICTE sponsored FDP on Innovative Teaching ar Learning Methods for Inspiring Students organized by SRK Engineering College, Bhimavaram during 12th – 17th Oct'2020.
	25.	Participated in a FDP on LMS, Virtual Teaching and OBE Software f Engineering Colleges organized by vmedulife Software solutions c 20th August, 2020.
	26.	Participated in webinar titled Panel Discussion on Successful Startu Incubation organized by Andhra Pradesh State Skill Developme Corporation on 15th July, 2020.
	27.	Attended the National Workshop on Wireless Communication (WWC 2006) during 29th & 30th Dec'2006 organized by VR Siddhartha Eng College, Vijayawada.

	28. Attended as Training and Placement Officer (TPOs Meet) for TC Sparsh Programme on February 14th & 15th, 2007. 29. Participated in a workshop on TI Embedded System Design usir MSP430 MCU MOOC organized by Texas Instruments during 14 September - 12th December, 2020. **Attended many training /workshops but listed only few reputed programs.**
Details of Projects Applied / Awarded	Successfully completed a research funded work on **"Implementation of Deep Belief Neural Network on Energy Efficient Routing Algorithm in WSN"** under SEED Grant of 69533/- in the A.Y. 2021-22
Any Other information	**Guest Lectures Delivered (Acted as Resource Person)** 1. Delivered a guest lecture on " IOT Applications for Mechanical Engineering" in AICTE Training And Learning (ATAL) Academy Hybrid FDP on "Applications of IoT in Mechanical Engineering" from 14-25 Nov 2022 2. Delivered a guest lecture on IOT and its applications in a three day workshop on Design & Development of IoT Systems for Targeted Applications organized by Dept. of ECE, PVPSIT for students of AICTE approved Engg. Colleges from 28-30 July 2022 3. Delivered a guest lecture on "Microcontrollers architecture & Assembly language programming" for employees of Grupo Antolin Pvt. Ltd. , organized by Dept. of ECE, PVPSIT on 12.09.2021 under phase I 4. Delivered a guest lecture on "Role of Processors in Industry 4.0" for employees of Grupo Antolin Pvt. Ltd. , organized by Dept. of ECE, PVPSIT on 28.11.2021 under phase II 5. Delivered a guest lecture on "Energy efficient and routing strategy for extending WSN Lifetime", for the faculty of PVPSIT on 16.09.2021. **AWARDS & ACHIEVEMENTS** 1. Texas Instruments in association with AICTE have awarded the certificate of appreciation for fostering the ecosystem bridging Government, Academia & Industry related to course TI- Embedded System Design using MSP430 MCU. 2. My huge efforts led to the donation of a total 110 MSP430 lunchbox MCU kits by the Texas Instruments; to the ECE dept. under industry-institution collaboration program 3. A special allowance of ₹ 1.2 Lac was sanctioned by SAGTE for working as In-charge for training and placement office on 30.01.2016.