



T. S.MAHAMMED BASHA M.Tech., (Ph. D).

Assistant Professor (Adhoc)

JNTUA COLLEGE OF ENGINEERING PULIVENDULA –
516390, Andhra Pradesh, India

Bio-data

Name : **T. S.Mahammed Basha**

Official Address : Assistant Professor(adhoc) of ECE
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Garugu street,
Vempalli -516329
Andhra Pradesh (India).

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mahammedbasha.ece@jntua.ac.in

Nationality : Indian

Religion : Muslim

Educational Qualifications:

S. No.	Qualification	University/Institution	Specialization	Year of award
1.	Ph. D	VELS UNIVERSITY	Antennas and 5g Wireless communication	(2020-2024)
2.	M.Tech	Annamacharya Institute Of Technology & Sciences / J.N.T. University Anantapur	Digital Electronics and communication systems	2011
3.	B.Tech	Madina Engineering College / J.N.T. University Anantapur	Electronics & Communication Engineering	2009

Professional Experience :

S.No.	Institution/Organization	Position held	Duration
1.	JNTUA College of Engineering, Pulivendula	Assistant Professor Department of ECE	2012– till date
2	Network Engineer	HBI Company, Dubai.	2011 - 2012

❖ **Software exposure** : Matlab/Silab, C

❖ **Courses completed** : MCSE/MCITP/CCNA/TIBCO

❖ **Industrial visits:** i) NARL
ii)electronics
iii)BSNL OFFICE

Other Responsibilities:

- ❖ Placement Coordinator from 2012 to 2015
- ❖ Gate Students AICTE Attendance uploading works in-charge
- ❖ Participated in NBA Works between(2013-2017)
- ❖ NAAC works Participation
- ❖ M.Tech In-charge from 2012 to till date
- ❖ Communications Labs In-charge.

Teaching Experience: **12** years of teaching UG & PG Courses

Subjects Taught:

Undergraduate courses	Post graduate courses
<ul style="list-style-type: none">❖ Cellular & Mobile Communications❖ Radar Systems❖ Digital Communications Systems❖ Antennas & Wave Propagations❖ Analog Communications Systems❖ Embedded systems & IOT❖ Microwave Engineering	<ul style="list-style-type: none">❖ Wireless Communications❖ Digital electronics communication techniques❖ Coding Theory Techniques❖ Microprocessor and computer system❖ Embedded systems Design

- ❖ In addition, the laboratories of UG and PG programmes in the areas of Electronics and Communications have been deal .

Membership of Scientific / Engineering Bodies

❖ Life Member of Indian Society for Technical Education (ISTE) (LM 90075)

Number of Research publications:

International Journals	:	11
International Conferences	:	06
National Conferences	:	05

List of publications:

International Journals:

1. **T.S.Mahammed Basha** K. Sainath, P. K. Sharma, and R. R. Reddy Paper was published the research paper entitled “Rectangular Patch Antenna with Truncated Cuts and Slot for Satellite Communication Applications” in the 2023 IEEE Wireless Antenna and Microwave Symposium (WAMS), held at Pandit Deendayal Energy University (PDEU), Gandhinagar, Ahmedabad, India. pp.1-5, doi:10.1109/WAMS57261.2023.10242819.[**IEEE Journal**]
2. **T.S.Mahammed Basha**, P. Sudharani, and R. R. Reddy ”Design of a Dual-Band Square Patch Antenna with L- Shaped Stubs and DGS for C & X-Band Applications” 2023 **IEEE** Wireless Antenna and Microwave Symposium (WAMS), held at Pandit Deendayal Energy University(PDEU), Gandhinagar, Ahmedabad, india, 2023, pp. 1-5, doi:10.1109/WAMS57261.2023.10242892. [**IEEE Journal**]
3. **T.S.Mahammed Basha**, S. Nageswarao, published Paper on “Design of Microstrip Patch Antenna with Electromagnetic Band-Gap (EBG)Structure for WLAN Applications” was published in International Mukht Shabd Journal Journal ISSN:2347-3150, Volume. XII, Issue. 01 , January – 2023[**UGC Journal**]
4. **T.S.Mahammed Basha**, ArunRaaza, B.EbenezerAbishek Paper was published the research paper entitled “A Balanced Millimeter Wave Band Pass Filter with Time Domain Analysis using Different Microwave Substrate Materials for Millimeter Wave Applications” in the IEEE sponsored First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2022) organized by the Department of Electrical and Electronics Engineering, K. Ramakrishnan College of Engineering, Tiruchirappalli, Tamil Nadu, India during 16 – 18, February2022. [**IEEE Journal**]

5. **T.S.Mahammed Basha**, S.TajMahaboob, K.Rajitha published Paper on “SR based correlation filters for tracking objects” was published in International Journal Of Engineering Sciences In JES ISSN:0377-9254, Volume. 11, Issue. 01 , January – 2020. **[UGC Journal]**
6. **T.S.Mahammed Basha**, O.Parvathi published Paper on “R-CNN based Attendance management system by face recognition” was published in International Journal Of Engineering Sciences In JES ISSN:0377-9254, Volume. 10, Issue. 12 , December – 2019. **[UGC Journal]**
7. **T.S.Mahammed Basha**, K.Siva Chandra, K.Ravindra Reddy, P.Varna kumar Reddy published Paper on “Small cell-zomming Scheme for energy efficient hybrid wireless cellular networks” was published in International Journal Of Engineering and Technology In IJET ISSN: 2395:1303 March – 2018. **[UGC Journal]**
8. **T.S.Mahammed Basha**, S. Aswani Kumar Reddy, R. Basavaraju, M. Ramakrishna published Paper on “Multipurpose Mobile Based Health Care System by using Wearable Technology” was published in International Journal Of Engineering Research and Technology In IJERT, Volume. 3, Issue. 11 , November – 2014. **[UGC Journal]**
9. **T.S.Mahammed Basha**, M.Dileep Reddy, G.Yateesh, K.Ravi Narayana published Paper on “Performance Analysis of Broadband Jammer For Bpsk System Using Maximal Sequences” was published in International Journal Of Engineering Research and Applications vol-IV, Issue-II, May-2014. **[UGC Journal]**
10. **T.S.Mahammed Basha**, S.Taj Mahaboob, K.Ravindra Reddy and K.Siva Chandra published Paper on “Secured Data Transmission Using Wavelet based Steganography and Cryptography” was published in International Journal Of Engineering Research and Applications vol-IV, Issue-II, Feb-2014. **[UGC Journal]**

11. **T.S.Mahammed Basha** and D.Venkatdas published Paper on “Medical Image Fusion Based On Multiwavelet Transform Algorithm” was published in International Journal Of Instrumentation Control And Automation (IJICA) ISSN:2231-1890 vol-I, Issue-II, July-2011. [UGC Journal]

International and National Conferences:

1. Paper was published the research paper entitled “Rectangular Patch Antenna with Truncated Cuts and Slot for Satellite Communication Applications” in the 2023 IEEE Wireless Antenna and Microwave Symposium (WAMS), held at Pandit Deendayal Energy University (PDEU), Gandhinagar, Ahmedabad, India. pp.1-5, doi:10.1109/WAMS57261.2023.10242819. [IEEE Conference]
2. Paper was published the research paper entitled “Design of a Dual-Band Square Patch Antenna with L- Shaped Stubs and DGS for C & X-Band Applications” 2023 IEEE Wireless Antenna and Microwave Symposium (WAMS), held at Pandit Deendayal Energy University(PDEU), Gandhinagar, Ahmedabad, india, 2023, pp. 1-5, doi:10.1109/WAMS57261.2023.10242892. [IEEE Conference]
3. Paper was presented the research paper entitled “A Balanced Millimeter Wave Band Pass Filter with Time Domain Analysis using Different Microwave Substrate Materials for Millimeter Wave Applications” in the IEEE sponsored First International Conference on Electrical, Electronics, Information and Communication Technologies (ICEEICT 2022) organized by the Department of Electrical and Electronics Engineering, K. Ramakrishnan College of Engineering, Tiruchirappalli, Tamil Nadu, India during 16 – 18, February2022. [IEEE Conference]
4. Paper was presented at National Conference on recent trends in “National conference on Sustainable Electronics and Applications” conducted by (NC’SEA-21) in Technical Collaboration with the Professional Bodies (**IEEE,ISTE and IEI**),Annamacharya Institute of Technology and Sciences at Rajampet held on 21ST March 2021.
5. Paper was presented ”A comprehensive study of an efficient attendance management system based on face recognition using MATLAB and Raspberry pi2” was presented at “International Conference on future communication and internet of things(**ICFCIoT**)” organized by the Department of Electronics and Communication Engineering during 15th-16th March 2019 at Aditya College of Engineering Madanapalle.
6. Paper was presented ”A comprehensive study of correlation filter learning toward peak strength for visual tracking” was presented at “International Conference on future communication and internet of things(**ICFCIoT**)” organized by the Department of Electronics and Communication Engineering during 15th-16th March 2019 at Aditya College of Engineering Madanapalle.

7. Paper was presented at National Conference on recent trends in “Emerging Trends in Information, Management and Engineering Sciences” conducted by **Nc’e TIMES #1.0** Annamacharya Institute of Technology and Sciences at Rajampet held on 14th-15th March 2018.
8. Paper was presented at National Conference on recent trends in “**Emerging Trends in Wireless Communications and Systems**” conducted by department of ECE, Sree Vidyanikethan Engineering College at **Tirupathi** held on 7th-8th March 2014.
9. Paper was presented at National Conference on recent trends in “**signal processing & embedded systems applications**” conducted by department of ECE, C.M.R College of Engineering & Technology at **Hyderabad** held on 8th-10th July 2011.
10. Paper was presented at International Conference on recent trends in “Computer Science and Information Technology (CSIT)” at **Bangalore** held on 24th-25th July 2011.
11. Paper was presented at National Conference on recent trends in “Emerging Trends in Engineering Applications” conducted by department of ECE, Al-Habeeb College Of Engineering & Technology at **Hyderabad** held on 16th May 2011.

Workshops attended: 28

1. One-week online FDP on “Future Trends in Wireless Communications and Devices (FTWCD)” organized by Electronics Engineering Department, Rajkiya Engineering College Sonbhadra UP, from 10-02-2022 to 14-02-2022.
2. Five Days Online Hands-on Workshop On “Recent Trends and Applications of RF and Microwave Engineering” organized by Dept of ECE in association with Entuple Technologies Pvt,Ltd at **IIIT BHAGALPUR** , from 7th -11th December 2021.
3. Five Days TEQIP-III Sponsored Workshop On “Flexible and Wearable Antennas and Applications” organized by Rajasthan Technical University, Kota. at Regional College for Education Research & Technology, Jaipur. , from 9th -13th February 2021.
4. Five Days Online Hands-on Workshop On “Metamaterial and its Applications using HFSS(MAU-HFSS-2021)” organized by Dept of ECE in association with Entuple Technologies Pvt,Ltd at **IIIT BHAGALPUR** , from 27-31 January 2021.
5. Participated in series of webinars on a “Research Paper Writing and Citation Manager” on 21st June 2020 organized by Department of Computer Science and Engineering, P. E. S. College of Engineering, Aurangabad.
6. Participated in five day webinar on”SIMULINK an overview” from 25-06-2020 to 30-06-2020 conducted by Data Teach Labs.

7. Participated in five day webinar on "ESSENTIAL MATLAB FOR ENGINEERS" from 29-05-2020 to 30-05-2020 conducted by Data Teach Labs.
8. Participated in five day webinar on "MATLAB MASTERS" from 08-06-2020 to 19-06-2020 conducted by Data Teach Labs.
9. Participated in series of webinars on a "Quality Research & Entrepreneurial Activities (QREA-2020)" organized by Dept of ECE Annamacharya Institute of Technology and Sciences at Rajampet held on 26th May 2020 to 28th May 2020.
10. One Week FDP on "ARTIFICIAL INTELLIGENCE" Sponsored by AICTE-Training and Learning (ATAL) Academy at JNTUA College Of Engineering, Pulivendula, from 02nd-06th December 2019.
11. A 3-day Workshop on "SCILab " organized by **APSSDC**, at JNTUA College Of Engineering, Pulivendula, from 20th-22nd September 2018.
12. One week workshop on "Embedded systems (IOT) " organized by **APSSDC**, at JNTUA College Of Engineering, Pulivendula, from 20th-25th September 2018.
13. Completed Scilab Online Course on 24th September 2018.
14. Five days workshop on "Internet of Things (IOT) Advanced level" organized by Engineering Staff College of India, Core Module under TEQIP-II, at JNTUA College Of Engineering, Pulivendula, from 6th-10th March 2017.
15. A Two Day Workshop On "Empowering Teaching Faculty on Professional Skills" by JNTUA College of Engineering, Pulivendula on 30th-31st March 2017.
16. A Two Week Workshop On "The Andhra Pradesh Higher Education English Communication Skills Project " Organized by BRITISH COUNCIL at JNTUA College of Engineering, Pulivendula on 14th-26th Aug 2017.
17. A Two Day Workshop On "MSP 430 and TIVA Micro controllers " Organized By Dept Of Electronics & Communication Engineering Jntuacep, Pulivendula During 23rd-24th July 2016.
18. A Two Day Workshop On "VLSI Design Advancements using Xilinx Tools" Organized By Dept Of Electronics & Communication Engineering Jntuacep, Pulivendula During 26th-27th August 2016.

19. A Two Day Workshop On “Digital Image Processing, Pattern Recognition and its Applications” Organized By Dept Of Electronics & Communication Engineering Jntuacep, Pulivendula During 19th-20th September 2016.
20. A Two Day Workshop On “Research Methodology in Science & Technology” Organized By organized by JNTUA College of Engineering, Pulivendula on 17th-18th October 2016.
21. A Five Days International Workshop On “Design And Analysis Of Efficient Antennas And Guided Systems” From 23rd To 27th February 2016, At **IIT Kharagpur**.
22. A National Workshop On “Advances In Wireless Communication Networks And Applications” From 29th Sep-3rd October, 2015 At **NIT, Warangal**.
23. Completed Industrial Training on Telecom Technologies at BSNL on 30th July 2015.
24. Five days workshop on “Pedagogical Training” organized by Engineering Staff College of India, Core Module under TEQIP-II, at JNTUA College Of Engineering, Pulivendula, from 1st to 5th March 2014.
25. Completed Instructional Excellence in Intelligent Systems(IIS) Courseware, Practical Training and evaluations under the Intel® College Excellence Program Conducted in JNTUA College of Engineering, Pulivendula From 22nd-24th April, 2014.
26. A 2-Days National Level Workshop On “Wireless Networks And Applications” Organized By Chaitanya Bharathi Institute Of Technology(**CBIT**) At **Hyderabad**, Held On 14th To 15th Feb 2014.
27. A Two Day Workshop On “Digital Image Processing And Pattern Recognition Using Matlab-(Dip-Prm 2014)” Organized By Dept Of Electronics & Communication Engineering Jntuacep, Pulivendula During 24-25 January 2014.
28. A 3-Days National Level Workshop On “Wireless Sensor Networks Vis-À-Vis Sensor Web Enablement” Organized By KI University At Vijayawada, Held On 23rd To 25th May 2013.

Declaration:

I hereby declare that the information furnished above is true to the best of knowledge

(T.S.Mahammed Basha)

Date: 20-10-2023

Pulivendula

