

FACULTY PROFILE

Name :Dr. N.Ameena Bibi
Designation :Associate Professor
Department :ECE
Date of Birth :16.06.1983
Educational Qualification :B.E.(ECE),M.E.(Communication Systems), Ph.D
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Employment details:

Teaching/Industry

Name of the College/Industry	Position	Experience (From - To)
Government College of Engineering, Dharmapuri	Associate Professor	21.4.2023- till date
Government College of Technology , Coimbatore	Assistant Professor	4.4.2013 –20.0 4.2023
Coimbatore Institute of Tech., Coimbatore	Asst. Professor	09.12.2012 – 3.4.2013
Tejaa Shakthi Institute of Tech. for women, Coimbatore	Asst. Professor	20.07.2009 – 08.12.2011
Ranganathan Engg. College, Coimbatore	Lecturer	23.06.2008 – 09.06.2009
Coimbatore Institute of Tech.	Lecturer	01.06.2006 - 20.06.2008
KLN College of Information Technology, Madurai	Lecturer	02.07.2004 - 10.05.2006

FDP/ SEMINARS / WORKSHOP PARTICIPATED:

1. Attended Two Days Workshop on IBM Web sphere studio developer course held on 13.12.2004 and 16.12.2004 at KLN College Of Engineering,, Madurai.
2. Attended one Day Workshop on professional Ethics on 25.6.2005 at KLN College Of Information Technology, Madurai.
3. Attended Two Days National Workshop on Digital Laboratory course held on 16.07.2005 and 17.7.2005 at KLN College Of Engineering, Madurai.
4. Attended Faculty Development Program on Linear Integrated Circuits Laboratory Course held on 15.12.2005 and 16.12.2005 at KLN College Of Engg., Madurai.
5. Attended National Level Workshop on Modern Aspects of VLSI and its applications held on 27.09.2008 at Hindusthan College Of Engg. and Tech., Coimbatore.
6. Attended Two Days National Workshop on Biometrics and non-linear filters on 28.02.2009 and 01.03.2009 at Anna University, Coimbatore.
7. Attended two Days Workshop on Research Challenges in Image Processing on 04.02.2011 and 05.02.2011 at Coimbatore Institute Of Technology, Coimbatore.
8. Attended one day workshop on NPTEL conducted on 9.4.2013 at GCT, Coimbatore.
9. Attended TEQIP II sponsored one week Faculty Development Programme on "Pedagogy and Professional Communication " organized by the Department of English ,GCT ,Coimbatore from 22.5.2013 to 28.5.2013.
10. Attended TEQIP II sponsored one week Faculty Development Programme on "Strategies for Effective Student -Teacher interaction Communication " organized by the Department of Humanities ,GCT from 29.5.2013 to 04.06.2013.
11. Attended AICTE sponsored two weeks Faculty Development Programme on "Research Issues in Named Data networking " organized by the Department of CSE & IT ,GCT from 17.6.2013 to 30.06.2013.
12. Attended TEQIP II sponsored one week Residential Faculty Development Programme on "Signals and Systems " at Anna University from 15.7.2013 to 19.07.2013.

13. Attended TEQIP II sponsored Residential Faculty Development Programme on “Research Methodology “ at Residency ,Thiyarayanagar ,Chennai by SEED from 27.1.2014to 29.1.2014
14. Participated a online two week ISTE Workshop on “Pedagogy for effective use of ICT in Engineering Education “ Conducted by IIT Bombay from 15.06.2014-23.06.2014 &27.7.2014-2.08.2014
15. Attended TEQIP II sponsored two days workshop on “Learning Assessment and Evaluation“ held from 1.12.14 to 2.12.2014 organized by TLC GCT Coimbatore.
16. Attended TEQIP II sponsored two days workshop on “Instructional Design“ held from 29.9.14 to 30.9.2014 organized by TLC GCT Coimbatore.
17. Attended TEQIP II sponsored two days workshop on “Innovative Techniques in the Teaching Learning Process“ held from 22.8.14 to 23.8.2014 organized by TLC GCT Coimbatore.
18. Attended TEQIP II sponsored two days workshop on “VLSI IC Design & verification Using mentor Graphics Tools“ held from 25.11.14 to 26.11.2014 organized by ECE Dept, GCT Coimbatore.
19. Attended TEQIP II sponsored Three days workshop on “VLSI Design using cadence design tools“ held from 10.02.14 to 12.02.2014 organized by ECE Dept, GCT Coimbatore
20. Attended TEQIP II sponsored one day workshop on “VLSI Design using Xilinx Zynq-7000 SOC Video and imaging kit” held on 27.11.2014 organized by ECE Dept, GCT Coimbatore
21. Attended two days faculty development program on **Advanced Digital Image Processing** organized by department of ECE , Anna university Regional centre, Coimbatore from 17.4.2015-18.4.2015
22. Attended two days workshop on “SAR **Image Processing**” organized by department of ECE , Thigarajar College of Engineering ,Madurai from 7.8.2015-8.8.2015
23. Participated in the Key sight Tech day conducted by Key sight Technologies at Hotel Residency Towers, Coimbatore on 25.10.2016.
24. Attended TEQIP II sponsored seven days workshop on “Embedded System Design using MSP430 “ held from 14.09.16 to 20.09.2016 organized by ECE Dept, GCT Coimbatore

25. Attended TEQIP II sponsored Three days workshop on “Internet of Things “ held from 15.02.2017 to 17.02.2017 organized by ECE Dept, GCT Coimbatore
26. Attended a short term course on “Advanced DSP Design Techniques “ held from 13.07.2016 to 17.07.2016 organized by Electrical Engineering Dept, IIT Kharagpur
27. Attended a short term course on “Signal processing for 5G Massive MIMO Wireless Systems “ held from 28.01.2017 to 30.01.2017 organized by Electrical Engineering Dept, IIT Kanpur.
28. Attended AICTE sponsored two weeks Faculty Development Programme on “Smart power Grid technologies “ organized by the Department of EEE ,GCT from 17.11.2017 to 30.11.2017.
29. Participated in training on “Bhuvan Overview” organized by National Remote Sensing Centre, Hyderabad from 13.08.2018 to 14.08.2018.
30. Attended TEQIP III sponsored one day workshop on “e- procurement –Principles and Practices” held on 26.10.2018 .
31. Attended TEQIP III sponsored five days faculty development programme on “Automotive electronics“ held from 03.12.2018 to 07.12.2018 organized by ECE Dept in collaboration with Robert Bosch Business and engineering Solutions,Coimbatore, GCT Coimbatore
32. Participated in TEQIP III sponsored International Symposium on “Innovation in teaching learning process in Engineering and Technology” organized by Government Engineering College ,Jagdalpur from 07.02.2019 to 09.02.2019.
33. Attended AICTE sponsored two weeks Faculty Development Programme on “Advanced RF Circuit Design and Software Defined Radio” organized by the Department of ECE ,GCE, Salem from 12.6.2019 to 25.6.2019.
34. Attended a short term course on “Advanced Cyber security ” organized by the Department of CSE ,NITTTR, Chandigarh from 21.10.2019 to 25.10.2019.
35. Attended a TEQIP III sponsored one week Faculty Development Programme on “Implementation of Signal Processing Algorithms on DSP Processors” organized by the Department of ECE ,PSG College of Technology, Coimbatore from 16.12.2019 to 21.12.2019.
36. Attended a TEQIP III sponsored two days Faculty Development Programme on “Design, Develop and deliver online courses through MOODLE platform ”

- organized by the Department of Technical Education, State Project Implementation Unit, Tamil Nadu from 23.06.2020 to 24.06.2020 .
37. Attended a Online course organized by Department of Space, ISRO, IIRS Dehradun on the topic “Remote sensing and GIS Technology and Applications for University Teachers & Government Officials” from 13.6.2020 to 01.07.2020.
 38. Attended a TEQIP III sponsored online webinar on 11.07.2020 in the topic “Preparing ourselves on second cycle of NBA Accreditation” organized by International Quality Assurance Cell, GCT
 39. Attended a TEQIP III sponsored online webinar on 14.07.2020 in the topic “Institutional Project Funding Schemes & Proposal Preparation” under twinning activity organized by International Quality Assurance Cell/Research Innovations and Extensions, GCT
 40. Attended a TEQIP III sponsored online webinar on 11.08.2020 in the topic “Digital Teaching – How to handle effective online classroom” organized by International Quality Assurance Cell, GCT
 41. Attended a online Faculty Development Programme on the topic” Image Processing Using VLSI Architecture” organized by IIT Roorkee from 17.12.2020 to 21.12.2020.
 42. Attended a Industrial Training on “Communication and Networking Technologies” organized by BSNL from 30.06.2020 to 20.07.2020
 43. Attended the two weeks Industrial training on “Artificial Intelligence and Machine Learning – A project based Learning Approach” from 22.7.2020 to 5.08.2020, Organized by CSE department, NITTTR Chandigarh and Xtrans Solutions Pvt Ltd, Bangalore
 44. Attended a two days workshop on “NEP 2020” organized by ECE Dept, GCT Coimbatore from 08.03.2021 to 09.03.2021
 45. Attended six days faculty development program on **AdHoc and Wireless Sensor Networks** organized by department of ECE , Anna university Regional campus, Coimbatore from 7.6.2021-12.6.2021
 46. Attended a online AICTE-ISTE Refresher Programme on “Neuromorphic Computing for AI” Organized by KPR Institute of Engineering and Technology, Coimbatore during 24.12.2021 to 31.12.2021
 47. Attended two weeks online faculty development program on “5G & B5G Wireless Technologies with MATLAB Practice” organized by department of

Electronics and ICT Academy at PDPM IITDM Jabalpur during 25.7.2022-05.8.2022

CONFERENCE ATTENDED:

1. Presented a paper on National Conference "Communication, High performance Electrical and Electronics technological Applications" organized by ECE Department of Angel College of Engineering and Technology Tirpur, on 02.04.2010 and 03.04.2010
2. Presented a paper on National Conference "Exploiting early tag access for reducing L1 data cache energy in embedded processors" organized by Department of ECE, United Institute of Technology Coimbatore, on 26.02.2014.
3. Presented a paper on International Conference "Fast accessing cache architecture using partial tag" organized by Department of ECE, Maria College of Engineering and technology, on 13.03.2014&14.03.2014.
4. Presented a paper on National Conference "An Effective Detection of Lung Cancer Using Triclass Otsu Segmentation and feature extraction technique" organized by Department of ECE, GRT Institute of Engineering and technology, thiruvallur, on 18.03.2016.
5. Presented a paper on International Conference "Single Image dehazing using image segmentation and laplacian Strategy" organized by Department of ECE, Karpagam College of Engineering, on 17.03.2016&18.03.2016.
6. Presented a paper on National Conference "A Laplacian based Algorithm for real world hazy images" organized by Department of ECE, GCT Coimbatore, on 04.04.2016.
7. Presented a paper on National Conference "Implementation and Performance analysis of Image restoration schemes for hazy remote sensing images" organized by Department of EEE, GCT Coimbatore, on 24.03.2017.
8. Presented a paper on National Conference "Dehazing of Outdoor Images/Videos and its comparative analysis using various restoration filters" organized by Department of EEE, GCT Coimbatore, on 24.03.2017.
9. Presented a paper on National Conference "Reversible watermarking for images using DWT-SVD technique" organized by Department of EEE, GCT Coimbatore, on 24.03.2017.

10. Presented a paper on National Conference "Visibility restoration of single hazy remote sensing images " organized by Department of EEE,GCT Coimbatore, on 24.03.2017.
11. Presented a paper on National Conference "Perception Oriented Haze Image Restoration based on physical optics model" organized by Department of ECE,Hindustan Institute of Technology Coimbatore, on 15.03.2019 and won best paper award.
12. Presented a paper on International Conference on Emerging Technique in Engineering Technology and Management "Implementation of Improved Dark Channel Prior for FOG removal" organized by Rathinam Institute of Management, Coimbatore in association with Organization of Science & Innovative Engineering and Technology(OSIET), Chennai , on 23.03.2019.
13. Presented a paper on National Conference on Signal Processing, Communication and VLSI Design "Localization and tracking system of speaker" organized by Department of ECE, Anna University Regional Campus , Coimbatore, from 4.04.2019 to 5.04.2019 .
14. Presented a paper on National Conference on Signal Processing, Communication and VLSI Design "Restoration of Underwater Image blurriness and light absorption " organized by Department of ECE, Anna University Regional Campus , Coimbatore, on 4.04.2019 to 5.04.2019 .
15. Presented a paper in the Inter National Conference on ELECTRICAL SCIENCES –ICES-2020 Conducted by SNS College of Technology in association with AIMST University, Malaysia in the topic "Implementation of an Image Enhancement Algorithm for Military Applications" from 20.02.2020 to 21.02.2020.
16. Presented a paper in the Inter National Conference on ELECTRICAL SCIENCES –ICES-2020 Conducted by SNS College of Technology in association with AIMST University, Malaysia in the topic "Image Enhancement algorithm for underwater Images" from 20.02.2020 to 21.02.2020.
17. Presented a paper in the Inter National Conference on ELECTRICAL SCIENCES –ICES-2020 Conducted by SNS College of Technology in association with AIMST University, Malaysia in the topic "Implementation of Image Restoration Technique for Vehicle Number plate detection in Foggy environment" from 20.02.2020 to 21.02.2020.

18. [Gayathri S, Ameena Bibi N](#), “ Enhancement of Dehaze Images using Multiscale Retinex “ International Journal of Advanced Engineering Science and Information Technology (IJAESIT) ISSN: 2349-3216 Vol.5, No.5,pp.No 39-48, May 2021
19. [Nandhini S, Ameena bibi N](#), “Dehazed iamge enhancement based on convolotional neural network” 5th International Conference on Research & Development in Engineering ,Pharmacy & Management 06/06/2021,IIRM,Andhra Pradesh
20. [Gayathri S, Ameena Bibi N](#), “ Enhancement of Dehaze Images using Multiscale Retinex “7Th International E-Conference on Latest Trends in science,Engineering andTechnology(“ICLTEST’21), Dept of ECE,Karpagam Instituite of Technology,Coimbatore
21. [Supriya P, Ameena Bibi N](#), “License Plate Detection and Recognition based on Neural Networks in complex environments” 13th National conference on signal Processing, Communication and VLSI design (NCSCV’21) held on 23rd and 24th December 2021 at Anna University Regional Campus, Coimbatore in Virtual mode.
22. [Rakshana V, Ameena Bibi N](#), “Air pollutants Analysis and classification using Supervised Machine Learning Algorithms” 15th National conference on signal Processing, Communication and VLSI design (NCSCV’23) held on 11th and 12th May 2023 at Anna University Regional Campus, Coimbatore in Virtual mode

CONFERENCES / FDP/ SEMINARS / WORKSHOP ORGANIZED:

1. Organized one day workshop on “Embedded System Design” organized by ECE Department of Tejaa Shakthi Institute of Technology for Women, Coimbatore on 16.02.2011.
2. Organized one day workshop on “Implementational Aspect of microcontroller and its application” organized by ECE Department of Tejaa Shakthi Institute of Technology for Women, Coimbatore on 02.03.2011
3. Presented a paper on National Conference” Communication, High performance Electrical and Electronics technological Applications” organized

by ECE Department of Angel College of Engineering and Technology Tirpur, on 02.04.2010 and 03.04.2010

4. Organized one day workshop on Digital Signal Processors and its application on 17.03.2014 in ECE Department, GCT Coimbatore.
5. Organized a TEQIP Phase-III sponsored one day workshop on current electronics industry requirements on 09.08.2018, in ECE Department, GCT Coimbatore.
6. Organized a TEQIP Phase-III sponsored two day workshop on VLSI SUBSYSTEM DESIGN USING VERILOG from 03.12.2019 to 04.12.2019, , in ECE Department, GCT Coimbatore.
7. Act as a Department Coordinator for the program organized for II year students in the topic “Student Excellence and learning program” from 20.01.2020 to 25.01.2020.
8. Organized Tamilnadu Government sponsored Two weeks FDP on the topic “Research Challenges in Signal and Image Processing” from 17.02.2020 to 01.03.2020 at Faculty Training Centre, GCT Coimbatore.
9. Conducted a one day webinar on the topic “Industry ready Engineers” under TEQIP PHASE-III for the benefit of third and final year students of the Electronics and Communication Engineering Department on 21.10.2020.
10. Coordinated the event on the topic “MEDIA NEWS ON SEXUAL HARASSMENT- OBSERVE EXPLAIN AND SOLUTION” organized by the Women Empowerment Cell, GCT from 1/03/22 to 5/03/2022
11. Coordinated the event “INTERNATIONAL WOMENS DAY CELEBRATION ” organized by the Women Empowerment Cell, GCT on 7/03/2022
12. Coordinated a debate organized by the Women Empowerment Cell, GCT on 22/03/2022
13. Coordinated a awareness programme on the topic “WOMEN HARASSMENT & CHILD TRAFFICKING” organized by the Women Empowerment Cell, GCT on 18/05/2022

Expert Lecture:

1. Delivered a expert lecture on Career Guidance for Students of Government Engineering College, Jagdalpur, Chattisgarh on 09.02.2019.

2. Guided all faculty members of ET &T, GEC, Jagadapur, Chattisgarh from 06.02.2019 to 08.02.2019 for NBA and conducted MOCK NBA visit and submitted the report.
3. Delivered a Guest lecture on the topic “Deep learning in Air quality Monitoring ” in Five days online Tamilnadu Government Sponsored FDP program on the title “Artificial Intelligence and Deep learning” Conducted by FTC, GCT Coimbatore from 13.09.2021 to 17.09.2021
4. Delivered a Guest lecture on the topic “Role of Machine learning in 5G Communications” in Five days online Tamilnadu Government Sponsored FDP program on the title “ Recent Trends in Communication and Computing with 5G” Conducted by FTC, GCT Coimbatore from 13.12.2021 to 17.12.2021

JOURNAL PUBLICATION DETAILS:

1. Pravin savaridass.M, Ameena bibi.N “Reversible watermarking and Encryption method for safe transfer of medical images using Hybrid DWT-SVD technique” Int. Research Journal of Engineering and technology ,vol 4 Issue 5 May 2017
2. Tamilarasi.M, Ameena bibi.N “Visibility restoration of single hazy remote sensing images “Int. Research Journal of Science & Engineering Development, Vol 2 Issue 3 March 2017
3. N.Ameena Bibi, Dr.C.Vasanthanayaki “Study on Haze Imaging Model and Image Restoration Schemes for Hazy Remote Sensing Images” International Journal of Research in Advent Technology, Vol 7,No.6, June 2019.doi:10.32622/ijrat.76201940
4. N.Ameena Bibi, Dr.C.Vasanthanayaki “HSI Model-based Image Dehazing for Remote Sensing Images” Journal of the Indian Society of Remote Sensing., Dec 2019 .<https://doi.org/10.1007/s12524-019-01084-5>
5. Pravin savaridass.M, Ameena bibi.N “Reversible watermarking and Encryption method for safe transfer of medical images using Hybrid DWT-SVD technique” Int. Research Journal of Engineering and technology ,vol 4 Issue 5 May 2017
6. Tamilarasi.M, Ameena bibi.N “Visibility restoration of single hazy remote sensing images “Int. Research Journal of Science & Engineering Development, Vol 2 Issue 3 March 2017
7. N.Ameena Bibi, Dr.C.Vasanthanayaki “Study on Haze Imaging Model and Image Restoration Schemes for Hazy Remote Sensing Images” International Journal of

- Research in Advent Technology, Vol 7, No.6, June 2019.
doi:10.32622/ijrat.76201940
8. N.Ameena Bibi, Dr.C.Vasanthanayaki "HSI Model-based Image Dehazing for Remote Sensing Images" Journal of the Indian Society of Remote Sensing, Dec 2019 . <https://doi.org/10.1007/s12524-019-01084-5>
 9. M. Vinodhini and N. Ameena Bibi, Haze image restoration based on physical optics model using raspberry pi B+V1.2, Materials Today: Proceedings, <https://doi.org/10.1016/j.matpr.2020.05.173>
 10. M. Kamalam , N. Ameena Bibi, "A Review on Comparative Analysis of Dehazing of Remote Sensing Images using Different Filters", ICTACT Journal on Image and Video Processing, Vol 11, No 3 (2021), 2400-2406. DOI:10.21917/ijivp.2021.0342
 11. Gayathri S, Ameena Bibi N, " Enhancement of Dehaze Images using Multiscale Retinex " International Journal of Advanced Engineering Science and Information Technology (IJAESIT) ISSN: 2349-3216 Vol.5, No.5, pp.No 39-48, May 2021 <http://www.ijaesit.com/index.php/home/article/view/38>

Responsibilities in the

Department /College

: Faculty Advisor, Exam Panel Incharge
Laboratory Incharge, TLC Member
BOS Incharge