Name of Faculty	Smt. N Dhana Lakshmi
Designation	Assistant Professor
Nature of Job/Appointment	Regular
Date of Joining	24 - 11 - 2008 (adhoc) 01- 05 - 2009(Regular)
E-mail	dhanalakshmi_ece@cbit.ac.in

Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (ECE)	Completed
PG	M. Tech (DSCE)	Distinction
UG	B. Tech (ECE)	Distinction

Work Experience

Teaching	15 years
Research	--
Industry	01 Years
Others	--
Area of Specialization	Speech Processing, Microcontrollers and Embedded Systems
Professional Memberships	--
Responsibilities held at Institution Level	--
Responsibilities held at Department Level	1. Worked as Time Table In charge for 2 years 2. Worked as Department Library In charge for 4 years 3. Working as Microcomputer lab In charge 4. Maintaining list of Dept. research publications 5. Member in one of the Course Expert Group. 6. Working as a Student Mentor
Research Guidance	--
Awards Received	--
Courses Handled at Under Graduate / Post Graduate Level.	**UG Level:** Digital Signal Processing, Digital Communication, Electronic Devices, Microprocessors and Microcontrollers, Computer organization and Microprocessors, Embedded System Design, Speech Processing, Microprocessors and Microcontrollers Lab, Embedded System Design Lab, Digital Signal Processing Lab **PG Level:** Microcontrollers for Embedded System Design, Embedded Processors and Architecture, Microcontrollers for Embedded System Design Lab
No. of Papers Published	National Journals – 00 International Journals – 09 National Conference – 01 International Conference – 04
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	As a Trainer in the following courses organized under 'LABVIEW Academy School' of ECE Dept. CBIT.

| | 1. 'Hands on LABVIEW' during 17th Jan to 20th Feb 2018 |
| | 2. Internship on 'Hands on LABVIEW' during 18th to 30th Jun 2018. |

| No. of Books/Chapter Published with details | -- |

Programs Attended:

1. In-House MATLAB Training Programme Dept. of ECE and EEE, Chaitanya Bharathi Institute of Technology(A), Hyderabad 26–07-2022 to 27-07- 2022(2 days)
2. Research Training online training MSME-Technology Development Centre (PPDC), Government of India Society 30.01.2023 to 10.02.2023 (2 weeks)
3. Recent trends in Robotics FDP EICT, MeitY, Govt. India 04-07-2022 to 15-07- 2022(2 weeks)
4. Machine Learning Application in Signal Processing and Communication Engineering FDP online 03-01-2022 to 08-01-2022, (1 week)
5. IETE Knowledge sharing session(KSS)-50: Webinar – 82 on "Research Paper Writing Webinar online, 16-01-2022
6. Advances in Optoelectronics, Devices and Communication FDP online 17-01-2022 to 22-01-2022, (1 week)
7. Block chain assisted Federated Machine Learning for Securing Big Data Analytics and IoT FDP online 08-04-2022 to 12-04-2022, (1 week)
8. TWO DAY NATIONAL ONLINE WORKSHOP ON PYTHON PROGRAMMING on 16th& 17th of July 2021 organized by Department of MCA at Chaitanya Bharathi Institute of Technology (A), Hyderabad.
9. A One Week Online Faculty Development Program on "Research Opportunities in Image Processing and Machine Learning", conducted by the Department of Electronics and Communication Engineering during 29th June to 03rd July 2020.
10. One Week Online Faculty Development Programme on "LaTeX & Technical Report Writing", organized by Department of Mathematics, Kakatiya University, Warangal, Telangana, in association with Spoken Tutorial, IIT Bombay during 25 - 30 May, 2020.
11. Online Training Program for two days on "Android App Development for Embedded System", under Texas Instruments University Program in association with EdGate Technologies Pvt Ltd Bangalore from 25th & 26th April 2020.
12. Online Training Program for three dayson "ARM Cortex M4 -F Based on Tiva Launchpad", under Texas Instruments University Program in association with EdGate Technologies Pvt Ltd Bangalore from 28th to 30th April 2020
13. Online Training Program for three days on "Ultra Low Power System Design" under Texas Instruments University Program in association with EdGate Technologies Pvt Ltd from 17th to 19th April 2020.
14. One-week FDP on "IOT for Emerging applications" Organized by E&ICT Academy IIT Guwahati in association with Dept. of ECE, CBIT Hyderabad from 04th to 08th Feb 2020.
15. One-week FDP on "Emerging Trends in Wireless Communication" Organized by E&ICT Academy IIT Guwahati in association with Dept. of ECE, RVR & JC College of Engineering, Guntur, help from 25-29 November 2019.
16. A 10-day FDP on "Machine Learning" organized at CSE department of GITAM School of Technology, GITAM (Deemed to be University), Hyderabad by Electronics & ICT Academy NIT Warangal during 28th May to 06th June 2018.
17. A MATLAB EXPO 2018 organized by Mathworks Corp. at HICC Hyderabad, on 24 th April 2018.
18. An FDP on 'Cirtified LABVIEW Associate Developer' by National Instruments at Dept. of ECE, CBIT during 21st to 24th Aug 2017.

Programs Organized:

19. A Student level Technical Symposium SYNAPSE-2019 under SUDHEE -2019 at CBIT during 13th and 14th Sep 2019.
20. A 5-day Intensive course on "Hands on LabVIEW" under LABVIEW ACADEMY SCHOOL during 21st, 23rd, 26th -28th April 2018 for PG students of CBIT-ECE.

Details of Journal Publications/ Conferences **(National and International)**

International Journal

1. N Dhana Lakhsmi " Nature Inspired Optimization Algorithms in Artificial neural networks for Speaker Recognition", International Journal of Electrical Engineering andTechnology (IJEET), Vol. 9, Issue 3,pp: 114-120, May - June 2018, Impact Factor (2016): 8.1891
2. N Dhana Lakshmi, P M SainathRao, "Voice controlled Robotic Arm for Kitchen application", Journal of Emerging Technologies and Innovative Research (JETIR)Feb 2019, Volume 6, Issue 2, ISSN - 2349-5162, Impact factor - 5.87
3. N. Dhana Lakshmi and M. SatyaSai Ram, "Configuring Appropriate Artificial Neural Network with Monarch Butterfly Optimization For Speaker Recognition", ARPN Journal of Engineering and Applied Sciences, VOL. 15, NO. 3, Feb 2020, ISSN 1819-6608 (Scopus Indexed).
4. N Dhana Lakshmi, Peddi Gayatri, "DESIGN OF WOMEN SAFETY AND SECURITY SYSTEM",International Journal of Electrical Engineering and Technology (IJEET), Volume 12, Issue 6, June 2021, pp. 453-458. (Scopus Indexed)
5. Namburi Dhana Laksmi, M.Satya Sai Ram, Speaker Recognition through Effectively Configured Artificial Neural Network, Design Engineering(Toronto), vol no: Vol2021, Issue no: 7, pp: 9506-9523, August 2021, ISSN: 0011-9342
6. Namburi Dhana Laksmi; M. Satya Sai Ram, "Configuring artificial neural network using optimization techniques for speaker voice recognition", International Journal of Bioinformatics Research and Applications, Mar 2022 Vol.18 No.1/2, pp.101 – 112, DOI: 10.1504/IJBRA.2022.121765. (Scopus)
7. N Dhana Lakshmi, Pranavi Nagubandi, Muralidhar Yeleti, K Vishnu Vardhan, (UG Students) "Automated Attendance System Based on Facial Recognition using Viola-Jones Algorithm", Asian Journal of Applied Science and Technology, Indexed Volume 6, Issue 2, Pages 82-91, April-June 2022.
8. Dhana Lakshmi Namburi, Satya Sai Ram M, "Speaker Recognition Based on Mutated Monarch Butterfly Optimization Configured Artificial Neural Network", International journal of Electrical and Computer Engineering Systems, Vol 13, Issue 9, pp 767 -775, Nov 2022. https://ijeces.ferit.hr/index.php/ijeces/article/view/1389/219 (Q3, Scopus, Web of Science).
9. N. Dhanalakshmi, Chanikya Mammindlapalli-160117735030 Dinesh Reddy Sunkari-160117735032 Rohith Reddy Salguti-160117735038, Design of IoT based Transmission Line Fault Monitoring System, published in Springer Nature, Lecture Notes in Electrical Engineering. Volume 929, Pages 373 – 385, 2022 (Scopus)

International /National Conference

1. Shaik Afroz Begum, Namburi Dhana Lakshmi, "Multi-Focus Image Fusion using Discrete Wavelet Transform", ICCSP-2012, QISCET, Ongole, A.P.
2. N Dhana Lakshmi, Dr. M SatyaSai Ram, "Configuring Artificial Neural Network by using Optimization Techniques to Recognize Speaker Voice", ICSCT-2019, July 2019, Anurag Group of Institutions, Ghatkesar, Hyderabad.
3. Jawad Mohiuddin Syed, Dhana Lakshmi Namburi, "Improving Response Time of Ambulance using Machine Intelligence", International Conference for Emerging Technology (INCET) Belgaum, India. Jun 5-7, 2020, 978-1-7281-6221-8/20/$31.00 ©2020 IEEE.
4. N Dhana Lakshmi and M Satya Sai Ram, "Comparative study on different features and different classifiers for Speaker Recognition", presented at the International Virtual Conference on Artificial Intelligence, 5G Communications and Network Technologies (ICA5NT 2022) held on 28 & 29 April 2022 organized by the Department of Electronics and Communication Engineering, Velammal Institute of Technology, Chennai. (Received Best paper Award).
5. G.Sameera,Smt. N.Dhanalakshmi,"Biometric Locker Security System", Synapse - 2022 under Sudhee 2022 at CBIT 23rd&24thmarch, 2022