

1. NAME AND ACADEMIC RANK:Dr.D.USHA, Ph.D.,

Professor



2. EDUCATION:

Ph.D Computer Science & Engg Hindustan University, Chennai, India. 2017
M.E Computer Science and Engineering, Hindustan Institute of Technology &
2007 Science, Anna University, Chennai
MCA Computer Applications Dr.M.G.R. Engineering College, Anna
2005 University, Chennai, India

3. ACADEMIC EXPERIENCE:

2018 – Present Associate Professor, Department of Computer Science & Engineering,
Dr. M.G.R. Education and Research Institute, Chennai, full time
2017 – 2018 Associate Professor, Department of Information Technology,
Hindustan Institute of Technology & Science, Chennai, full time
Assistant Professor (Selection Grade), Department of Information
2014 – 2017 Technology, Hindustan Institute of Technology & Science, Chennai,
full time
Assistant Professor (Senior Scale), Department of Information
2011 – 2014 Technology, Hindustan Institute of Technology & Science, Chennai,
full time
2007 – 2011 Lecturer, Department of Information Technology, Hindustan Institute
of Technology & Science, Chennai, full time

4. NON-ACADEMIC EXPERIENCE:

NIL

5. CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS:

- Participated in **Workshop on Python organized by IIT Bombay** during 22nd June 2019

6. CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- . Association for Computing Machinery (ACM), Member
- Computer Society of India (CSI), Member

7. HONORS AND AWARDS:

- MGR Publish 999 Challenge 21-22, - General Category Award Winner
- Best Faculty Award, 2022 from Global Multidisciplinary Research and Academic Foundation (Gmraf).

8. SERVICE ACTIVITIES:

- Organized Technical SymposiumTechastra '22 during September 2022.
- Organized one Week Faculty Development Program on Trends in Computing Sciences during 2021.
- Organized one Week Faculty Development Program on Cyber Security during 2020.
- Organized National Conference on Innovative Computing Techniques 2019 (INSTA-S) during 9th and 10th April 2019.

9. PRINCIPAL PUBLICATIONS OF LAST FIVE YEARS (2019-2024):

- Dr.D.Usha, “Analyzing The Patient Data And Predicting The Heart Stroke Using Machine Learning Techniques”, The Seybold Report, ISSN 1533-9211, SCOPUS
- Dr.D.Usha, “Leaf Disease Detection using Machine Learning”, Journal of Survey in Fisheries Sciences, Vol.10(3S), pp.4126-4134. SCOPUS
- Dr.D.Usha, “E-VOTING SYSTEM USING BLOCKCHAIN”, Journal of Data Acquisition and Processing, ISSN: 1004-9037, Vol.38, Issue.1, pp.1699-1706. SCOPUS
- Dr.D.Usha, “Random forest tree classification algorithm for predicating loan”, Materials Today: Proceedings. (ELSEVIER), h-index 56, Q1
- Dr.D.Usha, “A Comparison Analysis of Machine Learning Algorithms on Cardiovascular Disease Prediction”, International Journal on Future Revolution in Computer Science & Communication Engineering (IJFRCSCCE), ISSN: 2454-4248 Volume: 8 Issue: 3. Pp.14-22. SCOPUS
- Dr.D.Usha, “Emerging G5 IOT Smart System based on edge to cloud computing platform”, Emerging Technologies and Systems for Collaboration (WOS).
- Dr.D.Usha, “Predictive Analytics in Health Care Using Machine Learning Tools and Techniques”, Design Engineering, (SCOPUS) ISSN: 0011-9342, Issue.9, pp.14662-14667.
- Dr.D.Usha, “Guided container selection for data streaming through neural learning in cloud”, International Journal of System Assurance Engineering and Management. (SPRINGER)

- Dr.D.Usha, 2020. “Progressed IOT Based Remote Health Monitoring System”, International Journal of Control and Automation,(SCOPUS), ISSN.2005-4297,Vol.No.13,Issue.2S, pp.268-273. hindex: 9, Q4
- Journal of Advanced Research in Dynamical & Control Systems, 2019. “Andriod Malware Inspection : Based on Memory Forensics”, Vol.11, Special Issue.08, pp.1586-1591. (SCOPUS).

10. PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS:

- Organized Technical Symposium Techastra '22 during September 2022.
- Organized one Week Faculty Development Program on Trends in Computing Sciences during 2021.
- Organized one Week Faculty Development Program on Cyber Security during 2020.
- Organized 3 Weeks Summer Internship Program 2019 in association with IBM & Smartbridge from 03.06.19 to 22.06.19 and generated a fund of Rs. 53,053. Around 60 students from various colleges took part in the event.
- Organized National Conference on Innovative Computing Techniques 2019 (INSTA-S) during 9th and 10th April 2019.
- Organized Guest Lecture on Techniques for paper publishing dated 11.07.19.
- Organized IBM Boot Camp during 23.08.19 and 24.08.19 and 60 students from CSE, IT & ISDF took part in the event.
- Session Chair for International Conference organized by Dept. of InformationTechnology, DR.M.G.R.Educational and Research Institute, Chennai, April 29, 2022.

Patent:

Application No.202111026776	Title of the Invention :Efficient Assessment Of Earthquake Damage Using Deep Learning,2021
Application No. 2021100156	Title of the Invention: Artificial Intelligent System for Predicting the Hard Disk Failure,2021
Application No. 202041023933	Title of the InventionDesign of a Smart Health Care System:.,2020

Book Publication:

- D.Usha, 2022. “Fundamentals of Data Science”, Notion Press Media Pvt.Ltd.

- D.Usha, 2020. “Cyber Security & Forensics”, Magestic Technology Solutions Pvt.Ltd., 978-81-947070-6-6.