FACULTY VITAE

1. Name   :   Dr.D.USHA

2. Education :

- 2017, Ph.D, Computer Science, Hindustan University, Chennai.
- 2007, M.E, Computer Science and Engineering, Hindustan Engineering College (Affiliated to Anna University), Chennai.
- 2005, M.C.A., Dr.M.G.R.Engineering College (Affiliated to Anna University), Chennai.
- 2004, M.B.A., Madurai Kamaraj University.
- 1998, B.Com, Quaid-E-Millath Govt. College for Women (Affiliated to Madras University), Chennai.

3. Academic Experience :

- July 2018-present Associate Professor, Dept. of CSE, Dr.M.G.R.Educational and Research Institute, Chennai.
- September 2017- June 2018 Associate Professor, Dept. of Information Technology, School of Computing Science, Hindustan Institute of Technology & Science, Padur.
- June 2014 – August 2017 Assitant Professor (Selection Grade), Dept. of Information Technology, School of Computing Science,Hindustan Institute of Technology & Science, Padur.
- June 2011 – May 2014 Assistnat Professor (Senior Scale), Dept. of Information Technology, School of Computing Science,Hindustan Institute of Technology & Science, Padur.
- June 2007 – May 2011 Lecturer, Dept. of Information Technology, Hindustan Institute of Technology & Science, Padur.

4. Non-Academic Experience :

   -Nil-

5. Certifications or Professional Registrations :

- Certification in Mainframe Application Programming.
- Diploma in MS-Office.
- Diploma in Unix & C.
- Certification in typewriting Junior Grade from Department of Technical Education.
- Certification in typewriting Junior & Senior Grade from Tamil Nadu Commerce Institute Association, Madras.

6. Current membership in professional organizations :
- IEEE, member
- Computer Society of India, member

7. Honors and Awards :
   2017 – Encouragement award from Hindustan Institute of Technology & Science, Padur.

8. Service Activities :

Nil

9. Publications and Presentations, from past 5 years Journals 2018
1. Journal of Integrated design and process science, "Association Rule Construction from Crime Pattern thro Novelty approach", Scopus Indexed (Communicated).
2. International Journal of Engineering and Technology (UAE), "An enhanced rule mining algorithm to detect suspects of crime against women in the state of Tamil Nadu". Scopus Indexed (In the process of publishing).

2017

1. International Research Journal of Commerce and Law, "Legal Perspective of bringing interrogation under Judiciary and reasonable force on accused", ISSN:2349-705X, September 2017. Vol.4, Issue.9, pp.82-85.

2016

1. International Journal of Computer Science & Engineering (SSRG), "Implementation of KNN & SVM Classification Over Semantically Secure Encrypted Data", E-ISSN:2348 – 8387, April 2016. pp.93-97.

2015

1. International Journal of Applied Engineering Research, "Implementation of FP-Growth Algorithm Using Frequent Item-List Generation And Projection Technique", ISSN 0973-4562 Volume 10, Number 9, April 2015.
2. Madras Law Journal (cri), "Crimes And Modus Operandi Of Committing Crimes In Perspective Of Data Mining Technology", Volume 82, Part 2, pp.17, April 2015.
3. International Journal of Science and Innovative Engineering & Technology, "A better performing algorithm for mining patterns in crime data", ISBN 978-81-904760-6-5, April 2015.

2014

1. International Journal of Computer Science and Mobile Computing, "XML Dissemination Scheme for Mobile Computing Based on Lineage Encoding", March 2014.

2. International Journal of Current Engineering and Technology, " A survey of Big data processing in perspective of Hadoop and Mapreduce", March 2014.

3. International Journal of Advances in Computer Science and Technology, " A Complete Survey on application of Frequent Pattern Mining and Association Rule Mining on Crime Pattern Mining", April 2014.

2013

1. International Journal of Science and Innovative Engineering & Technology, "Legal dataset collections for data mining techniques", April 2013.

2. International Journal of Engineering Sciences & Research Technology, "Frequent Pattern mining algorithm for crime dataset : an analysis", December 2013.

Conferences

1. 2nd International Conference on Big Data and Cloud Computing, "Association Rule Construction from Crime Pattern thro Novelty approach", Karunya Institute of Technology & Science, March 23 2018. (Springer)
2. International Conference on Recent Trends in Engineering and Sciences, "An enhanced rule mining algorithm to detect suspects of crime against women in the state of Tamil Nadu", Confer Professional Group, Andhra Pradesh, 20th & 21st February 2018. (IEEE)
3. National Conference on Intelligent Information Systems, " Data Confidentiality in Military Thwarting Hackers Pilferaging Data", Hindustan Institute of Technology and Science, 27th & 28th February 2017.
4. International Conference on Engineering Innovations and Solutions, "Implementation of KNN and SVM classification over semantically secured encrypted data", CMS College of Engineering, Namakkal, 22nd April 2016.
5. 4th International Conference Of Contemporary Engineering And Technology, "A Better Performing Algorithm For Mining Patterns In Crime Data, Ramanujar Engineering College, Chennai, 15th March 2015.
6. International Conference on Engineering Technology and Science, "Implementation of FP-Growth Algorithm Using Frequent Item-List Generation And Projection Technique", Muthyammal College of Engineering, 5th & 6th March 2015.
7. National Conference on Recent Trends in Intelligent and Distributed Technologies, XML Twig pattern queries for push-based broadcast", Oxford Engineering College, 1st March 2014.
8. International Conference on Science and Innovative Engineering, "Legal dataset collections for data mining techniques", Jawahar Engineering College, 6th April 2013.

Chapter Publication

D.Usha, Dr.K.Ramesh Kumar, book titled "Advanced Engineering Research and Applications", Research India Publications, Chapter 11- Implementation of FP-Growth Algorithm Using Frequent Item-List Generation and Projection Technique. Published-2017.

Certificates

1. Participated in National Conference on Intelligent Information Systems in Hindustan Institute of Technology and Science during 27th & 28th February 2017.
2. Participated in one day hands-on training session on Cloud Computing in Jeppiar Engineering College during 30th March 2015.

3. Participated in International Conference on Engineering Technology and Science in Muthayammal College of Engineering during 5th & 6th March 2015.
4. Participated in One day Workshop on Research Methodology during 22nd January 2015.
5. Certificate of training on Introduction to Open Source Software & Open Standards conducted by IBM during 19th November to 21st November 2014.
6. Certificate of Coordination for conducted India's Biggest Networking Championship in Hindustan University during 11th & 12th September 2014.
7. Participated in Workshop on Information Security and Hacking during 11th March 2014.
8. Participated in Workshop on Oracle Database Administration in Hindustan University during 21st January 2014.
9. Participated in Workshop on How to be an effective researcher in Hindustan University during 16th to 18th December 2013.
10. Participated in Workshop on Big Date in Computer Society of India during 12th December 2013.
11. Participated in Faculty Development Program on Building a Mobile website & Middleware Technologies during 9th December 2013.
12. Participated in International Conference on Advanced Computing and Communications in Hindustan University during 21st to 25th October 2013.
13. Participated in Pre Symposium Workshop on Android Application in Hindustan University during 20th September 2013.
14. Participated in Workshop on Free Open Source Software in Hindustan University during 6th September 2013.
15. Participated in Faculty Development Program on "Problem Solving Techniques in Datamining" in KCG College of Technology during 19th July to 20th July 2013.
16. Participated in Workshop on Recent Trends in Embedded Systems in Hindustan University during 12th March 2013.