Dr.S.VIDHYA , M.C.A., M. Phil, Ph.D., NET

CAREER PROFILE

Total Teaching Experience: 14.5 Years
UGC - NET in the year December 2014
Research guidance: M.Phil. Produced: 7

PAPERS PUBLISHED IN JOURNALS

1. "Survey of format preserving encryption", International Journal Of Computational Engineering Research (IJCER), September 2012, page no : 1538 -1541

2. "Format preserving encryption for numeric data type", International Journal of Computing and Applications (IJCA), December 2012.

3. "Enhancement of prefix cipher in format preserving encryption", International Journal of Engineering Inventions (IJEI), March 2013, vol.2, issue 5.

4. "Efficient FPE Algorithm for Encrypting Credit Card Numbers", IOSR Journal of Computer Engineering (IOSR-JCE), September 2013, Volume 14, Issue 6.

5. "Securing Data at Rest by Format Preserving Encryption using Passphrase", International Review on Computers and Software (I.RE.CO.S), Vol 9, N.5, ISSN 1828 – 6003. May 2014. (Scopus indexed Journal)

6. "Format Preserving Encryption for small domain", International Journal of Computing Algorithms (IJCOA), Vol 4 , March 2015.

7. "A survey of Format Preserving Encryption modes", International Journal of Computer Science and Communication Network (IJCSCN), Vol 6, January 2017.

8. "An efficient Encryption scheme for small arbitrary length domains" International Journal of Research in Applied Engineering and Technology, Vol6, Issue 1, January 2018.

9. "Network Security using Python" International Journal of Scientific Research in Science, Engineering and Technology, Volume 4, Issue 4, April 2018.

PAPERS PRESENTED AT CONFERENCES

1. Presented a paper " Analysis of Format Preserving Encryption" in National Conference on Innovations in Computing Methodologies – NCICM 2011 organized by Bharathiar University on 16.12.2011.

2. Presented a paper " Analysis of Classical Cipher Model" in National Conference on Advanced Computing and Computing Technologies – NCACCT 2011 organized by Sree saraswathi Thyagaraja college, (Autonomous) on 03.12.2011.

3. "Credit card number encryption using FPE" in National conference NCCTC'12 conducted by Sri Krishna Arts and Science College, Coimbatore on 21st September 2012.

4. "Format Preserving Encryption using Feistel Cipher" in International conference ICRTCT-2013 conducted by Dr.N.G.P Arts and Science College, Coimbatore on 31st January 2013.

5. "Format Preserving Encryption for small domain", in International Conference ICCIS 2015, conducted by D.G.Vaishnav College, Chennai on 19-21 March 2015.

BOOK PUBLISHED

1. Book "Handbook for M.Phil. Scholar of Computer Science", ISBN 952-74-1283-761-2 by Dr.S.Vidhya, Ms.K.Kamalam, Ms.S.Nithya published in the year 2016.

2. Book "Linux for Beginners", ISBN 9-780359-382996 by Dr.S.Vidhya and Ms.L.Padmavathy published in the year 2018.

ONLINE CERTIFICATION COURSE COMPLETED

1. NPTEL Online certification course "Programming, data structures and algorithms using Python" has completed on October 2018.

2. Online certification course on Python 3.4.3 offered by Spoken tutorial project, IIT Bombay on April 2020

FUNDING PROPOSALS SUBMITTED

1. Submitted the project proposal titled "Device to measure carbon dioxide for treating respiratory disorders" to BIRAC.

2. Submitted proposal "Device for Silent Myocardial Infarction" to TNSCST.

3. Conducted 3 Entrepreneurship Awareness Camps in the years 2017 and 2018 sponsored by DST-NIMAT

CONFERENCES ORGANIZED

1. Coordinator of National Conference in Innovative Trends in Information Technology (NCITIT14), KG College of Arts and Science, Coimbatore on 8th February 2014.

2. Coordinator of National Conference in Innovative Trends in Information Technology (NCITIT15), KG College of Arts and Science, Coimbatore on 7th February 2015.

3. Organizing committee member in International Research conference on Advances in Computer Science and Information Technology, KG College of Arts and Science on 10th February 2018.

4. Organising Committee member in International Conference on Multidisciplinary Academic Research and Global Innovations held on February 2020

RESPONSIBILITIES IN COLLEGE

1. IQAC
2. NIRF
3. AQAR
4. Prapti e-Journal
5. ICT Academy coordinator