

CURRICULUM VITAE

Shobana T.S

EDUCATION

2011 - 2013 DSCE, Visvesvaraya Technological University, M.Tech.
Major: Computer Networks

2007 - 2011 KSIT, Visvesvaraya Technological University, B.E.
Major: Computer Science

EMPLOYMENT HISTORY

August 2019-Till date **Assistant Professor,BMSCE**
August 2013 - 2019 **Assistant Professor, Nitte Meenakshi Institute of Technology**

SUBJECTS TAUGHT

- C
- Data Structures
- Design and analysis of algorithms
- Computer Networks
- Information and Network Security
- Formal language and automata theory

PUBLICATIONS

A Robust invariant approach for word segmentation of document images
(*International Journal of Emerging Technology and Advanced Engineering ISSN 2250-2459,ISO 9001:2008Certified Journal, Volume 4,Issue &7, July 2014*)

An approach for enhanced security using E-modes and Steganography
(*International conference on networks ,information and communication*)

A New Set of Bilinear Pairings and Their Applications in Diffie-Hellman Type Key Exchange and Threshold Cryptography
(*International Journal of Computer Science Engineering and Technology*)

PATENTS FILED

System for head mounted device based multiple choice test conduction for candidates sitting in close proximity

DUTIES

Organized few workshops for students on a periodic basis to create an interest about the subject.

Industry interaction with unysis

Working for NBA accreditation.

Coordinator for Seminar, Project, Internship/minor project/self study.

M.TECH THESIS

Key Management Scheme for Content Protection Using Threshold Cryptography

Domain: Networks

Tools Used: Java

Description: Key management scheme, for content protection in the OPMD (One Person Multi Device) environment where one user owns multiple devices, IBTD (ID-Based Threshold Decryption) uses the user IDs and the device IDs as their public key. It is the key management scheme that can decrypt the encrypted content only when more than t secret sharing values are combined among the n secret sharing values generated by the contents server. This enables the users to use their own contents anytime and anywhere on any device that they own.

WORKSHOP ATTENDED

Hands-on workshop on " Java Programming and Application Development Using Android" from 25 - 30 June 2018/6 days at NMIT .

Workshop on "Pedagogy Training" conducted by Ministry of human resource development, Government of India, Chennai, 1st to 6th August -6 days.

Hands-On Advanced Workshop on "NS-3" conducted by Department of CSE,NMIT, Bangalore , 2 – 7 Feb 2016- 1 week

Workshop on "Mobile, cognitive, cloud and IoT-The new computing frontiers" conducted by MSRIT, Bangalore 25th to 30th July 2016 under TEQIP-II - 6 days

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Workshop on “Network Simulation Using NS-3” with hands on conducted by Department of CSE, NMIT, Bangalore 1st - 5th June 2015/5 days

Workshop on “Robotics Engineering-Lego Mindstrom& TETRIX” with hands on organized by Centre of Robotics Research (CRR) , NMIT, Bangalore 15th - 17th June 2015/3 days

Unisys-NMIT Faculty Interaction Program 3 days.

SAP Training.

FEP “Java Programming and Application Development Using Android”. The details are as given below.