



Mrs Pushpalatha G S

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Expertise

Electrical and Electronic Engineering

Working as Assistant Professor since November 2006 to present in Electronics and Communication Department, Dr. AIT. • Roles as a Teacher, Facilitator, Examiner, Evaluator, Guide, student co-ordinator, seminar co-ordinator etc..

Work experience

1. Dr.Ambedkar Institute of Technology 2006 — Present

Assistant Professor
Bengaluru

Education

1. M.TECH - 2014

REVA University

Research Project

Digital encryption of speech signal using chaotic based stream cipher system for secure voice communication

Role: research scholar

Year 2015, Amount 100000

Membership In Professional Bodies

1. IEEE, 2021
student
2. IDES, 2014
Life
3. I.A.E.N.G (International Association for the Engineers), 2011
Life
4. CRSI, 2007
Life

Membership In Committees

Patent

1. Generation of Random Binary Sequence using Chaotic Function with Novel Permutation and Substitution Techniques for Cryptographic Applications
Inventor(s): Ramesh s , Pushpalatha G S, Assignee:
Published: 2021-10-01
2. Resourse bin for waste segregation
Inventor(s): Pushpalatha G S, Assignee:
Published: 0000-00-00

Publication

1. Randomness properties of sequence generated using logistic map with novel permutation and substitution techniques

Pushpalatha G S,Ramesh S

International journal of electrical and computer engineering , Volume 13, Year 2023, Pages 4

2. Pseudo Random Binary Sequences Obtained Using Novel Chaos Based Key Stream Generator and their Auto-correlation Properties

Pushpalatha G S,Ramesh S

International Journal on Recent and Innovation Trends in Computing and Communication, Volume 11, Year 2023, Pages 05

3. Chaotic based encryption algorithms for speech signal

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Elsevier publications/Materials today proceedings, Volume , Year 2021, Pages

4. Performance Analysis of Idea Algorithm on FPGA for Data Security

Pushpalatha G S

Journal of Emerging Technologies and Innovative Research (JETIR), Volume , Year 2020, Pages

5. Voice Encryption with Watermarking for Secure Speech Communication

Pushpalatha G S

International Journal for Research in Applied Science & Engineering Technology, Volume , Year 2019, Pages

6. Echo cancellation algorithms using adaptive filters: A comparative study

Pushpalatha G S

IJRTET, Volume , Year 2014, Pages

7. spectrogram study of echo and reverberation

Pushpalatha G S

Signal processing and information technology, Springer, Volume , Year 2011, Pages