



STAFF PROFILE



Dr. Surekha K S

Professor

Electronics & TeleCommunication

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Educational Details

Qualification	Degree	University	Grade	Year
Graduation	BE , E&C	Mysore	Distinction	1985
PG	ME, E&Tc	Pune	First class	1992
Doctrol	Ph.D.	SPPU, Pune		2018

Experience Details

Type	Duration	Designation/ Organisation Name	Brief Job Profile
Educational	1989-1997	Lecturer DY Patil College of Engineering	Teaching

Journal Publications

1. Surekha KS, B P Patil, (2019). [Power Line Interference Removal from Electrocardiogram Signal Using Multi-Order Adaptive LMS Filtering](#). *International Journal of Biomedical Engineering and Technology*. - (-), In press (ESCI and Scopus indexed). ISBN/ ISSN No : ISSN online: 1752-6426 ISSN print: 1752-6418. URL : <https://www.inderscience.com/jhome.php?jcode=ijbet>.
2. Ms. Surekha K S, B P Patil, (2018). ECG Signal Compression using Parallel and Cascade method for QRS complex. *Indian journal of Science & Technology*. 11(1), 1-6. ISBN/ ISSN No : 0974-6846.
3. Ms. Surekha K S, B P Patil, (2017). Hybrid Compression Technique Using Linear Predictive Coding for Electrocardiogram Signals. *International Journal of Engineering Technology Science and Research(UGC approved)*. 4(6), 497-500. ISBN/ ISSN No : ISSN 2394 – 3386. URL : www.IJETS.com.
4. Ms. Surekha K S, B P Patil, (2016). [Transform Based Techniques for ECG Signal Compression](#). *International Journal of Applied Engineering Research(SCOPUS Indexed)*. 11(9), 6139-6143. ISBN/ ISSN No : 1087-1090. URL : <http://www.ripublication.com>.
5. Ms. Surekha K S, B P Patil, (2016). ECG signal compression using the high frequency components of wavelet transform. *International Journal of Advanced Computer Science and applications(ESCI Indexed journal)*. 7(3), 311-315. ISBN/ ISSN No : 2156-5570. URL : www.thesai.org.
6. Ms. Surekha K S, (2010). Implementation of RSA Algorithm on FPGA. *International Journal on Computer Engg. & Information Tech(Special Edition)*. 17(22), 4-7. ISBN/ ISSN No : 0974-2034.

Conference Publications

1. Surekha KS, BP Patil, (2017). Hybrid compression technique using Linear predictive coding for electrocardiogram signals. *International conference on Advancement in Engineering, Applied Science and Management*. -(-), 1-4. ISBN/ ISSN No : 2394-3386.
2. Surekha K S, (2017). Real time DSP based ECG acquisition and transmission using CUDA based compression. *Regional Conference by BCUD, SPPU*. -(-), -. ISBN/ ISSN No : -.
3. Ms. Surekha K S, B P Patil, (2014). ECG signal compression using hybrid 1D & 2D wavelet Transform. *IEEE XPLORE*. --(--), 468-472. ISBN/ ISSN No : Print ISBN: 978-0-9893-1933-1 .
4. Ms. Surekha K S, B P Patil, (2014). ECG signal compression using hybrid 1D & 2D wavelet Transform. *Science & Information Conference(SAI) 2014(SCOPUS INDEXED)*. --(--), 468-472. ISBN/ ISSN No : 978-0-9893193-1-7(ISBN).
5. Ms. Surekha K S, B P Patil, (2013). [QRS Complex Compression of ECG signal using Hybrid Transform](#). *Fifth International Conference on Advances in Recent Technologies in Communication and Computing (ARTCom 2013)*. ---(--), 261-266. ISBN/ ISSN No : Print ISBN: 978-1-84919-842-4 .
6. Surekha KS, (2012). Compression for ECG signals using Transform technique & R-R interval detection. *National Conference on Electronic technologies (NCET'10)*. -(-), 236 – 238. ISBN/ ISSN No : -.
7. Surekha KS, B P Patil, (2012). Compression for ECG signals using Transform technique & R-R interval detection. *National Conference on Electronic technologies (NCET'10)*. -(-), 236 – 238. ISBN/ ISSN No : -.

Book Chapters

1. Surekha KS, BP Patil, (2014). [Compression of ECG signal technique](#). *Intelligent Systems in Science and Information 2014*. Springer. ISBN/ ISSN No : 978-3-319-14653-9.
2. B P Patil, Surekha KS, (2014). [Compression of ECG signal technique](#). *Compression of ECG signal technique*. Springer International Publishing. ISBN/ ISSN No : 978-3-319-14653-9.

Books

1. Surekha K S, (2018). *Digital Signal processing*. Nirali. ISBN/ ISSN No : 978-93-88293-28-0.

Research Grants

Title Of Project	Funding Agency	Duration		Sanctioned Amount	Role of Investigator
Real time DSP based ECG (Electrocardiogram) acquisition and transmission using CUDA based compression	BCUD, SPPU	01/11/2016	01/04/2019	160000.00	Principal Investigator

Consultancy

Title Of Project	Funding Agency	Duration	Sanctioned Amount	Investigator Role
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Professional Memberships

Society	Membership No	Duration
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No of PhD Students Guided : 0

No of PG Students Guided : 0