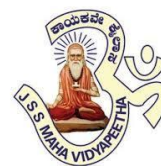





**JSS Mahavidyapeetha**  
**JSS Academy of Technical Education, Bengaluru**  
**Department of Electronics & Communication Engineering**



**FACULTY PROFILE**

**1. Personal Details**

NAME	Dr. ARAVINDA H S	
DEPARTMENT	Electronics & Communication Engineering	
DESIGNATION	Professor	
PHONE	+91 9742265523	
EMAIL ID	aravindh@jssateb.ac.in	
TEACHING EXPERIENCE	26 years	
INDUSTRY EXPERIENCE	nil	
RESEARCH EXPERIENCE	15	

**2. Qualification**

COURSES	SPECIALIZATION	INSTITUTION	UNIVERSITY
Ph.D.	Fault Tolerant Measurement Techniques of Acoustic Spectrum	National Aerospace Laboratories (NAL)	Visvesvaraya Technological University, Belgaum ,Karnataka
M.Tech.	Bio-Medical Instrumentation	Sri Jayachamarajendra College of Engineering Mysore, Karnataka	Mysore University, Mysore , Karnataka
BE / Diploma / ITI	Electronics & Communication Engineering	Kalpataru Institute Of Technology, Tiptur-572202	Bangalore University, Bangalore ,Karnataka
PUC	PCMB	Kalpataru science college tiptur-572202	PU board
SSLC	-	Govt boys high school	SSLC board

**3. Membership of Professional Bodies:**

1. Life Membership in Indian Society for Technical Education ( MISTE)

**4. Awards**

Award Title	Date of receiving the award	Award issuing authority/ Body / Organization
Awarded as Best Teacher	2010, Award from Department of ECE	Reva ITM
Awarded as Best teacher	in Department of ECE from AMID during 2018	JSSATE.
Received Life Time Achievement award	2019	ESN AWARDS

#### 4. Publications ( Journals Conferences )

Papers Published in Web of Science indexed Journals	International: 04	National: 00
Papers Published in SCOPUS indexed Journals	International: 14	National: 00
Papers Published in other Journals	International: 24	National: 01
Papers Presented in Conferences / Symposium	International: 22	National: 24
Books / Book chapters Published	Name of the book: <b>Basic Electronics</b> Publisher: S Chand Year of Publication: 2016	

#### 6. Grants/Funding Received

Grant Amount	Project Name	Date of receiving the Grant	Grant issuing authority/ Body / Organization
30 Lakhs	<b>Innovation Lab for Rapid prototyping of IOT Products</b>	<b>2019 3 Years</b>	<b>VGST, Govt of Karnataka</b>

##### 6.a. Workshops / Conference organized

Sl. No.	Name of the workshop / Conference	Organised by	Date	Role
1	<b>INTERNATIONAL CONFERENCE</b> as on "Signal, Image Processing, Communication and Automation" (ICSIPCA- 2017)	<b>Dept of ECE</b> , in Association with TATA Mc Graw Hill	6th and 7th July 2017.	General Chair
2	<b>Workshop</b> on Signal, Image Processing & SDR using Lab View	<b>Dept of ECE</b> , in Association with company	during 22-24 June 2015	convenor
3	<b>FDP</b> on GNU Radio and Software Defined Radio	<b>Dept of ECE</b> , in Association with company	27 <sup>th</sup> June to 1 <sup>st</sup> July 2016	convenor
4	<b>Workshop</b> on Embedded Controller Lab using ARM Cortex M3	<b>Dept of ECE</b> , in Association with SIMS	4 <sup>th</sup> to 6 <sup>th</sup> January 2018	convenor
5	<b>National Symposium</b> for 2 days on IOT	<b>Dept of ECE</b> , in Association with Company	4 <sup>th</sup> & 5 <sup>th</sup> July 2018	convenor
6	<b>workshop</b> on Embedded Systems & IOT	<b>Dept of ECE</b> , in Association with Digital Shark Technology	12 and 13 <sup>th</sup> October 2019.	convenor
7	<b>workshop</b> on IOT and its Applications	<b>Dept of ECE</b> , in Association with Digital Shark Technology	29 <sup>th</sup> and 30 <sup>th</sup> october 2019	convenor
8	<b>IOT challenge 2020"</b>	<b>Dept of ECE</b> , in Association with IIT Bombay and i3 India Technologies.	29 and 30 <sup>th</sup> November 2019	convenor
9	Organised webinar on International yoga day with Heartfulness "YOGA, MEDITATION & MUSIC EVENT"	Dept of ECE, JSSATE , with Heartfulness	21 <sup>st</sup> June 2020	Convener
10	Organised webinar on "Internet of Things" along	Dept of ECE, JSSATE , with DST	12 <sup>th</sup> June 2020	Convener
11	Organised webinar on "IPR & PATENT FILING"	Dept of ECE, JSSATE	10 <sup>th</sup> June 2020	Convener

**6.b. workshop/ Seminar /Conference Attended**

• Attended a Two day workshop on MAT LAB for Engg, during 14 &15 may1999 at SSIT Tumkur.
• Attended a 5 day workshop on Train the Trainers on DSP 56xx family, during 18-22 Oct 2000, at BMSCE college of Engg,
• Attended a 2 day workshop on Real time implementation of DSP algorithms at VKIT, Bangalore during 23-24 Feb 2002.
• Attended a 2 day workshop on DSP lab at RV college of Engg, Bangalore during 5-6 Jan 2002.
• Attended a 3 day workshop on Matlab and DSP Processors at Dr AIT college of Engg, Bangalore during 6-8 march 2006.
• Attended a 5 day workshop on electronic design and automation at EPCET during 20-24 June2005
• Attended a 2 day workshop on Embedded and Virtual Instrumentation at PES college of Engg Bangalore during 15-16 Aug 2004.
• Attended 2 day workshop on Labview software training at VTU Belgaum during 30-31 Aug 2005.
• Attended a 5 day short term program on medical imaging at IISc , Bangalore during 19-23 Sep 2005.
• Attended a 3 day workshop on Recent trends in communication in Engg during 26-28 Nov 2004 at NMIT, Bangalore.
• Attended National Symposium on Instrumentation (NSI - 28), ISOI (IISC), Bangalore, conducted at Govind Ballabh Pant University, Pantnagar, State of Uttaranchal, India in Nov-2003.
• Attended International Conference on Human Machine Interfaces – 2004, conducted at JN Tata Auditorium, IISc Campus, Bangalore in Dec 2004
• Attended National Symposium on Acoustics (NSA- 2005), conducted at NAL, Bangalore in Dec 2005.
• Attended Second National Conference on Electronic Circuits and Communication Systems, conducted at Thapar Institute of Engineering and Technology, Patiala, Punjab in Feb 2006.
• Attended an STTP Program on VLSI Design Flow funded by AICTE/ ISTE during June 23rd 2008 to July 2nd 2008 at Reva ITM, Bangalore.
• Attended 3 days workshop on SCI LAB at R V College of Engg, Bangalore from 13th -15th September 2010.
• Attended a 2 day workshop on Research Methodologies and proposal writing at KSIT, Bangalore during 24-25 Jan2011.
• Session chair, in International Conference on Optical Engineering held at, VTU, “Jnana Sangama”, Belgaum 26th to 28th July 2012.
• Chief Guest and Session Chair, National Level Technical Paper Presentation, organized by SJCIT Chickaballapura, India on 5th April 2012.
• Chief Guest and Session Chair, National Level Technical Paper Presentation, organized by SJCIT Chickaballapura, India on 7th may 2013.
• Chief Guest and Session Chair, National Level Technical Paper Presentation, organized by SJCIT Chickaballapura, India on 7th may 2013.
• Chief Guest and Session Chair, National Level Technical Paper Presentation, organized by SJCIT Chickaballapura, India on 7th may 2013. • Received Certification of Appreciation from IEEE Bangalore section,
• Received a letter of Appreciation from Principal of REVA ITM for conducting 2 day’s work shop on “Image & Video Processing”, on 12th & 13th October 2012
Received a Award of Recognition from Dept. ECE, REVA ITM for participating in “Circuit Simulation Using LABVIEW”

**6.c.Conference Attended (those sponsored by AICTE / ISTE /IETE /TEQIP or any other sponsoring body)**

Sl. No.	Name of the workshop / Conference	Organiser	Date
1	National Symposium on Instrumentation (NSI - 28),	ISOI (IISC), Bangalore, conducted at Govind Ballabh Pant University, Pantnagar, State of Uttaranchal, India	Nov-2003.
2	International Conference on Human Machine Interfaces- 2004,	conducted at JN Tata Auditorium, IISc Campus, Bangalore .	Dec 2004
3	National Symposium on Acoustics (NSA- 2005),	NAL, Bangalore	Dec 2005
4	Second National Conference on Electronic Circuits and Communication Systems,	conducted at Thapar Institute of Engineering and Technology, Patiala, Punjab	Feb 2006.
5	International Conference on Optical Engineering	held at, VTU, “Jnana Sangama”, Belgaum	26 <sup>th</sup> to 28 <sup>th</sup> July 2012

**Details of NPTEL / COURSERA courses completed**

Sl. No.	Name of the subject	Organised by	Date of completion / Award	Grade / Marks
1	Introduction to IOT	NPTEL, IIT Khargpur	July- Oct 2019, 12 weeks	ELITE
2	Advanced Embedded systems	NPTEL, IIT Khargpur	Jan-April 2020, 12 weeks	84%
3	Introduction to IOT	NPTEL, IIT Khargpur	July- Oct 2019, FDP- 12 weeks	ELITE

4	Mathematical Foundations for Cryptography	COURSERA,	Jun 1 <sup>st</sup> 2020, 4 weeks	100%
5	Wireless Communications for Everybody	COURSERA,	Jun 8 <sup>th</sup> 2020, 6 weeks	92%

#### 6.d. PROJECT / Innovations/Patents

5 patents filed in the field of IoT

6.e. Any other information you will like to share about your professional experience

Title of the work	Amount in Rs.	Date of receiving the Grant	Duration	Grant issuing authority/ Body / Organization
TI Innovation Lab	Rs 4 lakhs	2019	3Years	Digital Shark Technology , Inhouse Internship on IoT & Embedded Systems

#### Major Responsibilities / Works Handled:

- ☐ Worked as HOD, during my term Department of Electronics and Communication, got NBA status for 3 years.
- ☐ Technical talk given in other colleges like MVJCE, SSIT, REVAITM in the field of Signal Processing.
- ☐ Served as BOS member for Siddhartha University during 2017-2018.
- ☐ Served as BOS member for New Horizon College of Engineering during 2017-2020.
- ☐ Served as BOE member for VTU during 2019-2020.
- ☐ Attended as a session chair for international conference: 05
- ☐ Attended as a session chair for national conference : 08
- ☐ Awarded as Best teacher in the Department of ECE from AMID during 2018.
- ☐ Served as LIC member during 2017.
- ☐ Written a Text book on “Basic Electronics” as per VTU syllabus during 2016..
- ☐ Worked as a Chief Co-ordinator for Verve-16 (JSSATE Techno Cultural Fest) from the Department of ECE.
- ☐ Completed the process of signing an MOU (4 companies) with TI, Livewire, Apsis solutions, EFY to help the students & faculty.
- ☐ The Department forum “Äthrav” is opened to conduct technical & cultural activities for overall development of the students under IETE. Under that many activities like workshop, seminars, and lectures are organized.
- ☐ Conducted IEEE activity Confluence 2016 & 2018, under this many technical & cultural activities are conducted in the Department.
- ☐ Worked as Co-ordinator for National workshop on “Accreditation process” conducted during 26th & 27th August 2016, at JSSATEB.
- ☐ Arranged technical talk on “How to write research proposal” to all faculty of JSSATEB, 19th February 2015.
- ☐ Completed NPTEL course on “Introduction to IOT” during 2019.
- ☐ Set up “TI Innovation Lab” in the Dept of ECE, in association with Digital Shark Technology during 2019, for students use.
- ☐ Received NPTEL Two week FDP certificate on “Introduction to IOT” during 2019.
- ☐ Received Certificate of Appreciation for guiding students for TI Analog Design Contest during 2019.
- ☐ Received Certificate of Appreciation for Conducting IOT challenge 2020 during 2019.

## Publications

### i. International Journals

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	Implementation of the six channel Redundancy to achieve fault tolerance in testing of satellites	H.D.Maheshappa, Dr Ranjan Moodithya Aravinda H S	International Journal of Computer science and information security	Vol. 8, No.1, pp – 81-85, April Issue, 2010.	-	Impact factor: 0.4	-
2	Implementation of the 2 Level Redundancy for 6 Channels to achieve fault tolerance in satellite testing”.	H.D.Maheshappa, Dr Ranjan Moodithya Aravinda H S	International Journal of Computer Engineering and software technology	Vol. 1, No.2, pp – 83-93, July-Dec Issue, 2010.	-	Impact factor: 2.5	-
3	Development of 8-lane PCI-Express protocol using VHDL	Harish K Aravinda H S	International Journal of Advanced Networking and Applications,	Volume: 03; Issue: 03; pp:1169-1175. august 2011.	-	Impact factor: 3.4	-
4	Simulation of 4 Channel Redundancy Management Technique for Fault Tolerant Satellite Testing”	Somesh B S Aravinda H S	Interenational Journal of Innovative Ideas and Research in Engineering and Technology	vol 1, issue 2, during June 2012.	-	Impact factor: 3.5	-
5	Segmentation Of ACL In MR Images;	RaveendraGudodagi, Vidyasagar K. N Aravinda H S	International Journal Of Engineering And Computer Science	ISSN:2319-7242; Volume 2 Issue 6 June, 2013 Page No. 2033-2036. Impact factor:2.5	-	Impact factor: 2.5	-
6	Reversible Watermarking Based On Bi-Orthogonal Wavelet Transform;	Neha Shankar Aravinda H S	International Journal Of Engineering Science Invention;	Volume 2 Issue 6 II June. 2013 II Pp.76-85.	-	Impact factor: 1.7	-
7	Analysis of adaptive wavelet wiener filtering for ECG signals	Ateetjoshi Aravinda H S	International journal of advanced research in E&C Engg.	Vol 3, issue 4, pp 395-398 april 2014. ISSN: 2278-909X	-	Impact factor: 2.5	-
8	Review of Image Enhancement Histogram equalization techniques.	Vedavathi s Aravinda H S	International journal of science, engg& technology research	Vol 3, issue 4, pp 674-676 april 2014. ISSN: 2278-7798	-	Impact factor: 3.5	-
9	Efficient Detection and Tracking of Moving object in a image sequence inspection	Suma C Aravinda H S	International Journal of Advanced Research Trends in Engineering and Technology (IJARTET)	Vol : II, Special Issue XXVII June 2015, Page 89-95	-	Impact factor: 1.3	-

10	A review of modified rijndael proposals	Sushikshit H Gowda Aravinda H S	International Journal of information technology and computer engineering (IJITC-16)	6 <sup>th</sup> may 2016 E-ISSN:2455-5290	-	-	-
11	Design and ASIC Implementation of Modified Rijdael Cipher	Sushikshit H Gowda Aravinda H S	International Research Journal of Engineering and Technology (IRJET)	Vol: 03, issue: 07, July 2016, e-ISSN: 2395-0056,P-ISSN:2395-0072, , pp-1909-1714.	-	Impact factor: 4.45	-
12	Design High gain folded cascode operational amplifier using 180nm technology	Amulya D Raj Aravinda H S	International Research Journal of Engineering and Technology (IRJET)	Vol: 04, issue: 07, July 2017, , pp-1-4	-	impact factor: 5.181	-
13	Reviewing the effectiveness of contribution of microstrip antenna in the communication system	R J Kavitha Aravinda H S	open journal of antennas and propagation	June 2017, Vol:5, PP-47-62, 2017	-	-	-
14	Review of Research Techniques to Improve System Performance of Smart Antenna	T.G. Shivapanchakshari Aravinda H S	Open journal of antennas and propagation	<u>Vol.5 No.2, June 2017</u> PP83-98	-	-	-
15	An efficient mechanism to improve the complexity & system performance in OFDM using SSA	T.G. Shivapanchakshari Aravinda H S	springer series journal Advances in Intelligent systems and computing.	Volume 986,PP 60-66,2019 ISBN 978-3-030-19813-8-7 ISBN 978-3-030-19813-8	Scopus	-	-
16	Adaptive Resource allocation using various smart antenna techniques to maintain better system performance	Shivapanchakshari T G, Aravinda H S	International Journal of Engg and Advanced Technology	ISSN;2249-8958 Vol-8, issue 5s, june-28,2019. Pp 262-265	Scopus	-	BEIESP
17	Real Time Solution For Prosognopasia	Abhilash Manu Aravinda H S	International Journal of Engg and Advanced Technology	ISSN;2249-8958 Vol-8, issue 5s, May-28,2019. Pp 266-271	Scopus		BEIESP
18	Real time driver identity and alertness monitoring:	YashaswinMayya , Aravinda H S	International Journal of Advanced Research in Electrical, Electronics and Instumentation Engineering	DOI:10.15662/IJAREEIE.2019.0805008 ISSN (Print) : 2320 – 3765 ISSN (Online): 2278 – 8875	-	-	-
19	Design and Implementation of two stage operational amplifier	Priyanka T, Yetheesh H G Aravinda H S	International Research Journal of Engineering and Technology (IRJET)	Vol: 04, issue: 07, pp-3306-3310. July 2017	-	-	-

20	A Mathematical Modelling Approach to Design Microstrip Patch Antenna with Optimal Performance	R J Kavitha Aravinda H S	Communications on Applied Electronics (CAE) – ISSN : 2394-4714	Volume 7 – No. 16, May 2018	-	-	Foundation of Computer Science FCS, New York, USA
21	An Analytical Approach for Design of Microstrip Patch (MsP)	R J Kavitha Aravinda H S	International Journal of Electrical and Computer Engineering (IJECE)	Vol. 8, No. 6, December 2018, pp. 4175~4183 ISSN: 2088-8708, DOI: 10.11591/ijece.v8i6.pp.4175-4183	-	-	-
22	An efficient mechanism to improve the complexity & system performance in OFDM using SBSA	Shivapanchakshari T.G. Aravinda H S	International Journal of <u>Advances in Intelligent Systems and Computing</u> book series	10 May 2019 book series (AISC, volume 986) 2019	scopus	-	-
23	CL-SA-OFDM: cross-layer and smart antenna based OFDM system performance enhancement	Dr.Aravinda H.S. Shivapanchakshari T G,	International Journal of Electrical and Computer Engineering (IJECE)	Vol. 10, No. 5, October 2020, pp. 4663~4670 .pp4663-4670, ISSN: 2088-8708,	scopus	-	Institute of advanced engineering and science(IAES),
24	Euler-Lagrange model development for a stationary dynamical robotic system– SCARA	Dr. Aravinda H.S. Mr. Raghunath B.H. Dr. Mahesh Kumar D, Dr. Tian Jipeng, Dr. T.C. Manjunath	<i>International Journal of Grid and Distributed Computing</i>	Feb2020, Vol. 13, Issue 1, pp. 244-255, ISSN: 2005-4262 IJGDC	WOS	-	SERSC,
25	Survey on Parallelization and coding techniques for compression capability of HEVC	Praphul MN Dr. Aravinda H.S.	International Journal of Management, Technology And Engineering	Volume IX, Issue VI, JUNE/2019 Pp 3805-3810 ISSN NO : 2249-7455	scopus	-	-
26	A survey on fault tolerance for hearing impairment using signal processing technique	Vijayakumar reddy Dr. Aravinda H.S.	International journal of research and analytical reviews,(IJRAR),	Vol-6, Issue-2, June 2019, E-ISSN2348-1269, P-ISSN, 2349-5138	-	-	-
27	A relative Simulation study of energy aware routing protocols for wireless sensor network	Chethan Dr. Mahesh Kumar D Dr. Aravinda H.S.	International Journal of Future generation and networking	Vol-13, no-3, 2020	WOS	-	SERSC
28	Adaptive Resource allocation using various smart antenna techniques to maintain better system performance	Shivapanchakshari T.G. Aravinda H S	International Journal of Engineering and Advanced Technology	Volume No. 8 Issue No. 5s Year 2019 Page No.262-265 ISSN;2249-8958	Scopus	-	BEIESP

29	A NOVEL CHARACTERISTIC MECHANISM FOR DIFFERENT MICROSTRIP PATCH ANTENNA (MPA)	R J Kavitha Aravinda H S	International Journal of Advanced Research in Engineering and Technology (IJARET)	Volume 11, Issue 11, November 2020, pp. 691-699, Article ID: IJARET_11_11_066	Scopus	-	-
30	Breast Tumor Detection in Automated Breast ultrasound Using 3-D CNN and 3TP U-Net Deep Convolutional Neural Network	Srikanth A N Aravinda H S	International Journal of Research in Engineering, Science and Management	Volume-3, Issue-7, July-2020	-	Impact factor -4.308	-

ii. National Journals

Sl. No	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus / Both	Impact Factor	Publisher
1	The performance evaluation of various algorithms for echo cancellation in Acoustics”	H.D.Maheshappa	Journal of Acoustical Society of India,	Vol. 33, 2005, no.1 – 4 December 2005. Impact factor: 1.5	-	1.5	NAL

iii. Conferences

Sl. No.	Title of the paper	Name(s) of Author(s)	Name of the Journal	Volume No. Issue No. Year	WOS / Scopus	Impact Factor	Publisher
International							
1	“Verification of the six channel quad Redundancy management software with the fault tolerance measurement techniques of acoustic spectrum of satellite”	H.D.Maheshappa, Ranjan Moodithya,	“International Conference on Parallel and Distributed processing techniques and applications” held at Monte Carlo resort, Lasvegs , Nevada, USA (PDPTA - 09)”	During July 13 <sup>th</sup> to 16 <sup>th</sup> 2009, Page No.553 – 558, Vol -2	-	-	-
2	“Manipulation of Clinical Warehouse Data Using Extended SQL”,	Ashwin Kumar	First International Conference on Emerging Technologies and Appliances in Engineering & Technology, Saurashtra University, Rajkot, Gujarat	13th – 14th January '08, pp.no 1321 to 1325.	-	-	-
3	“Automised Water Management System”,	Nithish K.N	International Conference Of India Research & Development	Dr. Ait , Bangalore. During may 2013	-	-	-
4	“Automised Water Management	Nithish K.N	“International Conference On Electronics And Communication	Icitech 2013, Hyderabad, India.	-	-	-



	System for Home”,						
5	“Repetitions And Prolongations Classifications In Stuttered speech	Shreyas B S	International Conference On Emerging Trends In Engineering icete-13,	Nittemahalingaa dyanthaya Memorial Institute Of Technology, Nitte On May 2013, 15 <sup>th</sup> -16 <sup>th</sup> , pp 318-321 , ISBN: 9789382880295.	-	-	-
6	2d To 3d Reconstruction Of Brain Tumors In MRI Images Using Image Processing Techniques;	Mahesh Kumar T. N	2d To 3d Reconstruction Of Brain Tumors In MRI Images Using Image Processing Techniques	Thapar University, Ptiala, Punjab, India, October 4 <sup>th</sup> And 5 <sup>th</sup> may 2013.	-	-	-
7	Implementation of adaptive wavelet wiener filtering for ECG signals.	Ateet joshi	International conference of advanced research in E&C Engg.	pp 11-17 april 2014. ISBN: 9788192958002	-	-	-
8	Fault Tolerant Techniques for FPGAs: A review”	Raghunath.B .H	” International Conference on Signal, Image Processing, Communication and Automation	ICSIPCA-2017, Pp 1051-1054	-	-	-
9	“Survey of Motion Actuators for Micro/Nano Positioning Systems”	Somesh B S, Neethu KN, Mahesh Kumar TN	International Conference on Signal, Image Processing, Communication and Automation	ICSIPCA-2017, Pp 1055-1060	-	-	-
10	“Survey of Motion Actuators for Micro/Nano Positioning Systems”	Somesh B S, Neethu KN, Mahesh Kumar TN	International Conference on Signal, Image Processing, Communication and Automation	ICSIPCA-2017, Pp 1055-1060	-	-	-
11	” A survey on Coding Techniques and Intra Prediction Hardware Architecture for HEVC Video Coder Standard”	M N Praphul	International Conference on Signal, Image Processing, Communication and Automation	ICSIPCA-2017, Pp 926-932.	-	-	-
12	“Filter Bank Realization of discrete Wavelet Transform based Multiband Dynamic Range Control for Audio”	Lavanya. C	International Conference on Signal, Image Processing, Communication and Automation	ICSIPCA-2017, Pp Pp Pp 529-535.	-	-	-
13	“Blind Dereverberation for speech Signal Using Mutichannel, A review”	Praveen P B	International Conference on Signal, Image Processing, Communication and Automation	ICSIPCA-2017, PP 861-868	-	-	-

14	Methodologies for reconfigurable SRAM based FPGA in safety critical applications	Raghunath B.H	3rd International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECOT-2018) 14 <sup>th</sup> and 15 <sup>th</sup> December 2018 GSSIETW, Mysuru	(ICEECOT-2018) PP 1502-1505, 14-15 December 2018 IEEE Explorer SCOPUS	-	-	-
15	MIMO systems for next generation wireless devices	Krupaprasad	3rd International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECOT-2018) 14 <sup>th</sup> and 15 <sup>th</sup> December 2018 GSSIETW, Mysuru	(ICEECOT-2018) PP 1502-1505, 14-15 December 2018 EC IEEE Explorer SCOPUS	-	-	-
16	Design of evaluation board for image processing ASIC and VHDL implementation of FPGA interface	Chaitra M	<u>International Conference on Recent Innovations in Electrical, Electronics &amp; Communication Engineering (ICRIEECE)</u>		-	-	-
17	An efficient mechanism to improve the complexity & system performance in OFDM using SBSA	Shivapancha kshari T G	8 <sup>th</sup> computer science online conference 2019 (CSOC 2019) & scopus indexed conference.	ISSN 2194-5357 PP 60-66 10 <sup>th</sup> May 2019	-	-	-
18	Multichannel Speech Signal Separation with Beam forming Techniques	Anil kumar	International Conference on advanced research in E&C Engg.	Vol 3, issue 4, pp 308-315 During April 2014	-	-	-
<b>National</b>							
19	Acoustic Echo Cancellation”	H.D.Mahesh appa,	Proceedings of National Symposium on Instrumentation(NSI - 28), ISOI (IISC), Bangalore,	November 2003, pp. 261. Paper presented at Govind Ballabh Pant University, Pantnagar, State of Uttaranchal, India, Symposium	-	-	-
20	“Brain Topographic Mapping”	Deepak. K. T, Bhanuprakash. K. N, H. D. Maheshappa ,	Proceedings of AICTE-ISTE, second national conference on document analysis & recognition (NCDAR-2003) Paper presented at Dept. of Comp .Sc & Engg, PES college of Engg, Mandya, Karnataka, India,	(NCDAR-2003) Conference Proceedings, November, during 11 <sup>th</sup> & 12 <sup>th</sup> July 2003, pp. 437 – 444.	-	-	-
21	“Performance Analysis of image	T.G.Shivapanchakshari,	” Proceedings of Second National Conference on	Thapar Institute of Engineering and Technology,	-	-	-

	compression techniques	H.D.Mahesh appa	Electronic Circuits and communication Systems,	Patiala, Punjab., Conference proceedings, February 2006, pp. 109 – 112.			
22	“Digital Display of Engine and Vehicle speed for Two wheeler”,	Anil K.B., H.D.Mahesh appa,	Second National Conference on Electronic Circuits and communication Systems,	Thapar Institute of Engineering and Technology, Patiala, Punjab, Conference proceedings, February 2006, pp. 109 – 112.	-	-	-
23	“Design & Implementation of processor I/O interface for a multiprocessor system”, Proceedings of	Shantharaju, H.D.Mahesh appa	Second National Conference on Electronic Circuits and communication Systems,	Thapar Institute of Engineering and Technology, Patiala, Punjab, Conference proceedings, February 2006, pp 79-82.	-	-	-
24	“Design and implementation of Magnetic Stripe reader for access and control operation	T.G.Shivapanchakshari, H.D.Mahesh appa,	National Conference on Recent Trends in Electrical, Electronics and Computer Engineering,	Jerusalem College of Engineering, Chennai - 601 302, April 2006.	-	-	-
25	“Design & Implementation of sub – systems of UQPSK using microstriplines”	T.G.Shivapanchakshari, Kavitha R.J., H.D.Mahesh appa,	National Conference on Broadband Communication Systems	Vishwakarma Institute of Information Technology, Pune – 411 048, Maharashtra, Conference proceedings September 2006, pp 177 – 182.	-	-	-
26	“Implementation of line echo collaboration using PNLMS Algorithm”	Kalyan Kumar H.D.Mahesh appa	National conference on Emerging Technologies and Trends in IT 2007	NCET 2007 at India Habitat Centre New Delhi, Conference proceedings, April 6 <sup>th</sup> & 7 <sup>th</sup> 2007, pp. 216 – 221.	-	-	-
27	“Knowledge Abstraction in Clerical Data Warehouse”	Ashwin Kumar	The National Conference on Recent Trends in Information Technology for Rural Development,	Shri Sant Gajanan Maharaj College of Eng., Shegaon, Maharashtra, pg. no- 10 to 14 during 9th – 10th.	-	-	-
28	“Robust DWT-SVD Domain image watermarking embedding data in all frequencies”	Mahesh kumar, Ravindra,	The Recent Trends in engineering,	held at Global Academy of Technology, Bangalore during 20th – 21th	-	-	-

29	"Survey of Pitch Detection Techniques"	Somesh B S	National Conference on Advances in Engineering and Technology,	Global Academy of Technology, Bengaluru, Karnataka, during	-	-	-
30	"2D to 3D Reconstruction of Brain Tumors In MRI Images Using Image Processing Techniques: A Review"	Mahesh Kumar T N	E-INNOVATION	held at Shridevi Institute of Engineering and Technology, Tumkur during 23 <sup>rd</sup>	-	-	-
31	"Literature Review on Reversible Watermarking Based on Histogram Shifting"	Neha Shankar	presented in National Conference E-INNOVATION	Shridevi Institute of Engineering and Technology, Tumkur during.	-	-	-
32	Segmentation of Anterior Cruciate Ligament in Knee MRI Image",	Raveendra Gudodagi, Vidya Sagar K N,	National Conference E-INNOVATION	Shridevi Institute of Engineering and Technology, Tumkur during 23 <sup>rd</sup> March 2013.	-	-	-
33	Automised Water Management System;	Nithish K.N	National Conference On Electronics, Communication And Advanced Networks; Ecan'13,	Dept. Of Ece, Dhanalakshmi College Of Engineering, In Association With Ieee. Ecan'13,	-	-	-
34	Person Authentication System Using Multimodal Biometric	Divya.P.K	The 5th National Conference On Recent Trends In Electronics And Communication Engineering	Department Of Electronics And Communication Engineering, SJBIT, Bangalore-60. 4th	-	-	-
35	Literature Review On Reversible Watermarking Based On Histogram Shifting;	Neha Shankar	E- Innovation 2013; A One Day National Conference;	Shridevi Institute Of Engineering And Technology, Tumkur; March 23 <sup>rd</sup> 2013.	-	-	-
36	Integration Of Osek Compliant Erika Os To Autosar Mcal Environment: a Review	Kavya B.M, Gururaj Nath S	National Conference On Wireless Communication, Signal Processing, Embedded Systems	. During may 2013.	-	-	-
37	Integration Of Osek Compliant Erika Os To Autosar Mcal Environment;;	Kavya B.M, Gururaj Nath S	National Conference On Recent Advances In Electronics & Communication Engineering	Department Of Ece, Rnsit, Bengaluru-98.	-	-	-
38	Image Encryption, Data Hiding With LSB Modification And Decryption Using Pyramidal Scheme Processing, Embedded Systems	Prathiba.N,	National Conference On Wireless, Signal processing		-	-	-

39	Efficient Detection & Tracking of Moving Objects in a Image Sequence Inspection	Suma C, Raghunath B H	National Conference on Emerging Trends in VLSI Embedded System, Nano Electronics & Telecommunication Systems	DSCE, Bangalore during	-	-	-
40	A review of modified rijndael proposals	Sushikshit H Gowda	National conference on recent advances in science, Engineering and technology (NCRASET-1)	Sri venkateshwara college of engineering, bengaluru(SVCE) E-ISSN:2455-5290	-	-	-
41	Real timedriver identity and alertness monitoring: A Review	Yashaswin mayya	National conference on Communication standards and systems. at RVCE	NCCSS-2019 , 17-18	-	-	-
42	Simulation of Encryption / Decryption standards	Shashirekha	National conference on Electronics and Communication standards.at ACS	NCCS-2019	-	-	-