

**PROFILE OF FACULTY**



1. **NAME** : Nagaraja B G
2. **DATE OF BIRTH** : 22-07-1982
3. **ADDRESS** : Dr. Nagaraja B G  
Professor, Department of E&CE, #323,  
**OFFICE/COLLEGE** : Jain Institute of technology, Avaregere,  
Bada cross  
Near veereshwara punyasharama,  
Davangere-577003
- RESIDENCE** : S/o G. K. Benageri  
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7. **DESIGNATION** : Professor
8. **DEPARTMENT** : E&CE
9. **DATE OF JOINING** : 17-12-2014
10. **EXPERIENCE (YEARS)**
- TEACHING** : 11
- INDUSTRY:** : --
- RESEARCH:** : 02

**11. QUALIFICATIONS:**

	<b>University</b>	<b>Specialization</b>	<b>Year of passing</b>	<b>Class</b>
B.E.	VTU	E&CE	2004	FCD
M.Tech	VTU	CS&E	2009	FCD
Ph.D.	VTU	E&CE (Speech signal processing)	2014	-

**12. EXPERIENCE: (reverse chronological order)**

<b>Positions</b>	<b>Institution/Industry</b>	<b>Period</b>	<b>Nature of Job</b>	<b>No of Years</b>
Professor	JIT, Davangere	Since Dec. 2015	Teaching	-
Associate Professor	JIT, Davangere	Dec. 2014-Dec. 2015	Teaching	1.0
Assistant Professor	GMIT, Davangere	Aug. 2013-Dec. 2014	Teaching	1.5
Research Assistant	SIT, Tumkur	Aug.2011– Jul. 2013	Research	2.0
Lecturer	STJIT, Ranebennur	Jan.2010-Aug.2011	Teaching	1.5
Lecturer	EWIT, Bangalore	Aug.2006-Jan.2010	Teaching	3.8
Lecturer	GMIT, Davangere	Jun.2005-Jul.2006	Teaching	1.0
Lecturer	UBTCE, Davangere	Feb.2005-May.2005	Teaching	0.4

**13. FACULTY DEVELOPMENT PROGRAMMES / TRAINING / WORKSHOP/ SUMMER/WINTER SCHOOLS ATTENDED (reverse chronological order)**

Sl. No.	Name of training/workshop	Year/Duration	Organizers
1.	Faculty development programme, Recent Advances in Signal Processing and Communication Networks.	2017/03 days	BEC, Bagalkot
2.	One week faculty development programme, Real Time System Development on ARM Platform using RTX Kernel & Custom IC Design using Cadence Virtuoso IC6.	2016/06 days	BVBCET, Hubli
3.	One week faculty development programme, Technical report writing in LATEX& Digital & analog VLSI design using Cadence	2016/06 days	BVBCET, Hubli
4.	Accreditation Process for Technical Institutions	2016/02 days	JSSATE, Bengaluru
5.	Feel Teacher Learning & Development Intrvention	2016/03 days	JIT, Davangere
6.	International Conference on 'Enabling Make in India'	2016/03 days	BVBCET, Hubli
7.	Feel Teacher Learning & Development Intrvention	2016/03 days	JIT, Davangere
8.	WISP- 2014	2014/ 01 day	IIIT - Hyderabad
9.	Big data management and machine learning	2013/06 days	SIT, Tumkur
10.	Neural Networks	2012/06 days	SIT, Tumkur
11.	Speech Processing and Applications	2012/01 days	CMRIT, Bangalore
12.	Speaker Verification: Development and Applications	2012/05 days	IITGuwahati, Guwahati
13.	Sparse image and signal processing	2012/04 days	AmrithaVisva Vidyapeetha, Coimbatore
14.	Research Methodology and Latex	2011/02 days	VTU, Belgaum
15.	Latest trends in embedded systems	2008/01 days	New Horizon college, Bangalore
16.	Synthesis and simulation of HDLs	2008/03 days	EWIT, Bangalore
17.	Pathway to understanding object oriented principles	2006/14 days	VEC, Bellary
18.	National Symposium on Spatial information technology	2007/02 days	PESIT, Bangalore

19.	Microcontroller 8051 (under TEQIP)	2008/04 days	MSRIT, Bangalore
20.	DSP architecture and real time implementation of algorithms using Texas instruments DSP	2009/02 days	REVA ITM, Bangalore

**14. FACULTY DEVELOPMENT PROGRAMMES /TRAINING/ WORKSHOPS/SUMMER/WINTER SCHOOLS ORGANISED (reverse chronological order)**

Sl No.	Title/topic	Year & Duration	Funded by	Organizers
1.	Workshop on Arduino & Embedded Wireless Systems	2016/03 days	JIT, DVG	Dept. of E&CE, JIT, Davangere
2.	First National Conf. on Recent trends in Communication & Computing (NCRTECC - 2016)	2016/01 day	JIT, DVG	Dept. of E&CE, JIT, Davangere
3.	One day FDP on Plagiarism Issues and Essential Tools for Research Write-ups	2015/01 day	JIT, DVG	Dept. of E&CE, JIT, Davangere
4.	Latex for Documentation	2013/01 day	VTU, Belagavi	Dept. of E&CE, GMIT, Davangere

**15. FACULTY AS RESOURCE PERSONS IN FACULTY DEVELOPMENT PROGRAMME/TRAINING/WORKSHOP/SUMMER/WINTER SCHOOLS (reverse chronological order)**

Sl No	Name of FDP/training/workshop	Year/Duration	Funded by	Organizers
1.	Hands on session in Latex & Research Methodology	2017/07 days	RYMEC, Ballari	Dept. of E&CE, RYMEC, Ballari
2.	Six days Colloquium on Research Advances in Power and Energy	2016/01 day	SJBIT, Bangalore	Dept. of EEE, SJBIT, Bangalore

	Engineering			
3.	LATEX& its Applications	2015/02 day	SJBIT, Bangalore	Dept. of Chemistry, SJBIT, Bangalore
4.	Essential Tools for Researchers	2015/01 day	VVCE, Mysore	Dept. of E&CE, VVCE, Mysore
5.	LATEX& its Applications	2015/01 week	UBDTCE, Davangere	Dept. of EEE, UBDTCE, Davangere
6.	LATEX for Documentation	2014/01 day	Acharya Institute of Technology, Bangalore	Dept. of E&CE, Acharya Institute of Technology, Bangalore
7.	LATEX for Documents	2014/01 day	-	Dept. of cs, Govt. First Grade College, Harihar
8.	Latex for Documentation	2013/01 day	VTU, Belgaum	Dept. of E&CE, GMIT, Davangere
9.	Latex	2013/01 day	EWIT, Bangalore	Dept. of IS&E, EWIT, B'lore-91
10.	Latex and its applications	2013/01 day	CSI Chapter Bangalore	HKBK, Dept of CSE
11.	Latex for Documentation	2013/02 day	TEQIP	SIT, Tumkur
12.	One day workshop on Speech processing	2013/01 day	HKBKCE	HKBKCE, Bangalore
13.	Microprocessors and its applications	2009/ 01 day	IETE	NEW HORIZON college of Engg., Bangalore

**16. CONFERENCE /SEMINARS/PROFESSIONAL SOCIETY  
ACTIVITIES/EVENTS ATTENDED (reverse chronological order)**

SI No.	Title/topic	Year & Duration	Funded by	organizers
1.	ICCVSP-2013	2013/03 day	SIT	SIT, Tumkur
2.	ICSIP-2012	2012/03 day	Dr. NGPIT	Dr. NGPIT, Coimbatore
3.	ICAdC-2012	2012/03 day	MSRIT	MSRIT, Bangalore
4.	PRIME-2012	2012/03 day	Periyar university	Periyar university, Salem
5.	ENC2SP-2009	2009/01	IEEE B'lr	IISC, Bangaore
6.	NCETETA-2009	2009/02	Shrddi Sai Engg.	Shrddi Sai Engg. College, B'lr

**17. CONFERENCES/SEMINARS/PROFESSIONAL SOCIETY  
ACTIVITIES/EVENTS ORGANIZED (reverse chronological order)**

Sl. No.	Title/topic	Year & Duration	Funded by	organizers
1	Artificial Neural Networks & its Applications	17 & 18 Sept. 2010/ 02 day	ISTE	Dept. of E&CE, STJIT, Ranebennur

**18. PAPERS PUBLISHED:**

SI No	Type of publication	No. of publications
1	International Journal	09
2	National Journal	-
3	International Conferences	11
4	National Conferences	02

**19. DETAILS OF PAPER PUBLISHED (along with DOI and publication/citation details) (reverse chronological order)**

SI No	Title of paper/Report	Author (s)	Name & volume of Journal & Year
1.	VAD, feature extraction and modeling techniques for speaker recognition - a review	<b>Nagaraja B.G.</b> <i>et.al.</i>	Paper accepted for possible publication in IJSISE, Inderscience, 2018.

2.	Design & simulation of the workspace for a stationary robot system	Dr. T. C. Manjunath, Pavithra G and <b>Nagaraja B. G.</b>	Proc. IEEE, IEEE Region 10 Humanitarian Technology Conference (R10-HTC), pp. 1-5, Agra, India, 2016. doi: 10.1109/R10-HTC.2016.7906828
3.	Design, analysis, implementation and experimentation of a force base torque sensor for aerospace applications	<b>Nagaraja B.G.</b> <i>et.al.</i>	Proc. Int. Conf. i7C – 2016, Bangalore, Karnataka, India, Nov. 2016.
4.	Automatic speech recognition - a literature survey on Kannada language	<b>Nagaraja B.G.</b> <i>et.al.</i>	Souvenir National Conf. NCRTECC – 2016, pp. 49, Davangere, Karnataka, India, Feb. 2016.
5.	Feature extraction and modeling techniques for multilingual speaker recognition: a review	<b>Nagaraja B.G.</b> and H.S. Jayanna	International Journal of Signal and Imaging Systems Engineering, Inderscience Journal, Vol. 9(2), pp. 67-78, 2016.
6.	An experimental comparison of modeling techniques and combination of speaker-specific information from different languages for multilingual speaker identification	H.S. Jayanna and <b>Nagaraja B.G.</b>	Journal of Intelligent Systems (JISYS), vol. 24, no. 3, Aug. 2015 DOI: 10.1515/jisys-2014-0128
7.	Combination of classifiers decision for multilingual speaker identification	<b>Nagaraja B.G.</b> and H.S. Jayanna	in Press, Journal of Information Processing Systems (JIPS), Korea DOI: 10.3745/JIPS.02.0025
8.	Multilingual Speaker Identification by Combining Evidences From LP Residual and Multi-Taper MFCC	<b>Nagaraja B.G.</b> and H.S. Jayanna	Journal of Intelligent Systems (JISYS), vol. 22, no. 3, pp. 241-251, Jun. 2013 DOI: 10.1515/jisys-2013-0038
9.	Combination of Features for Multilingual Speaker Identification with the Constraint of Limited Data	<b>Nagaraja B.G.</b> and H.S. Jayanna	International Journal of Computer Applications (IJCA), New York, USA, vol. 70, pp. 56–62, May 2013 DOI: 10.5120/11963-7823
10.	Kannada Language Parameters for Speaker Identification with the Constraint of Limited Data	<b>Nagaraja B.G.</b> and H.S. Jayanna	International Journal of Image, Graphics and Signal Processing (IJIGSP), vol. 5, no. 9, pp. 14–20, MECS Press, Hong Kong, July 2013. DOI: 10.5815/ijigsp.2013.09.03
11.	Text-independent Mono and Cross Lingual Speaker Identification with the constraint of Limited data	<b>Nagaraja B.G.</b> and H.S. Jayanna	International Journal of Computational Intelligence and informatics (IJCII), vol. 1, no .4, pp. 64-71, Mar. 2012. ISSN: 2349-6363

12.	Efficient Window for Monolingual and Crosslingual Speaker Identification using MFCC	<b>Nagaraja B.G.</b> and H.S. Jayanna	Proc. IEEE, Int. Conf. on Advanced Computing and Communicating Systems, pp. 1-4, Coimbatore, Tamilnadu, India, Dec. 2013 DOI: 10.1109/ICACCS.2013.6938702
13.	An Experimental Comparison of Modeling Techniques for Multilingual Speaker Identification	H.S. Jayanna and <b>Nagaraja B.G.</b>	Proc. Elsevier, ICECIT-2013, vol. 1, 79-82, 2013. ISBN: 9789351071761
14.	RLP-MFCC for Speaker Identification under Noisy Environments	<b>Nagaraja B.G.</b> and H.S. Jayanna	Proc. Elsevier, vol. 2, 164-168, 2012 ISBN: 97881312341112
15.	Combination of Features for crosslingual Speaker Identification with the Constraint of Limited Data	<b>Nagaraja B.G.</b> and H.S. Jayanna	Proc. Springer, 143-148, 2012 DOI: 10.1007/978-81-322-0997-3_13
16.	Multilingual Speaker Identification with the constraint of Limited data using Multitaper MFCC	<b>Nagaraja B.G.</b> and H.S. Jayanna	Proc. Springer, 127-134, 2012 DOI: 10.1007/978-3-642-34135-9_13
17.	Multi-lingual Speaker Identification with the constraint of Limited data	<b>Nagaraja B.G.</b> and H.S. Jayanna	Proc. Springer, 893-898, 2012 DOI: 10.1007/978-81-322-0740-5_107
18.	Mono and Cross Lingual Speaker Identification with the constraint of Limited data	<b>Nagaraja B.G.</b> and H.S. Jayanna	Proc. IEEE, 457-461, 2012 DOI: 10.1109/ICPRIME.2012.6208386
19.	Experimental Work on Adaptive Noise Cancelation using LMS and Adaptive Filters	<b>Nagaraja B.G.</b> and H.S. Jayanna	Proc. ICEST-2011, Tamilnadu, Mar. 2011
20.	Features Extraction in IRIS using Wavelets	<b>Nagaraja B.G.</b> and H.S. Jayanna	Proc. IEEE, 18th Annual Symp. on Emerging Needs in Computing, Communication, Signals & Power ENC2SP-2009, IISC, Bangalore, Aug. 2009.
21.	Design & Development of a GSM Based Vehicle Theft Control System	<b>Nagaraja B.G.</b> , Ravi Rayappa, Mahesh M, Chandrasekhar M Patil, Dr. T.C. Manjunath	Proc. IEEE, 148-152, 2009. DOI: 10.1109/ICACC.2009.154
22.	Simulation and Implementation of shortest path algorithm with a mobile robot using configuration space approach	Dr. T.C. Manjunath, <b>Nagaraja B.G.</b> , Ashok Kusagur, Gopala	Proc. IEEE, 197-2012, 2009. DOI: 10.1109/ICACC.2009.155



23.	A computationally efficient iris recognition using wavelet approximation	<b>Nagaraja B.G.,</b> Suresh M.B	Proc. NCETETA-09, 2009.
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## **20. BOOKS / CHAPTERS PUBLISHED & E-LEARNING MATERIALS DEVELOPED**

1. Co-author, "Basic Electronics (As per CBCS scheme of VTU)," ISBN: 978-93-83214-89-1, Subhas Stores, Bangalore, 2017.
2. Chief editor: Dr. Nagaraja B. G. and Dr. Manjunatha T. S., "First national conference on recent trends in communication and computing (NCRTECC–2016)," Souvenir, Jain Institute of Technology, Davangere, 27th Feb. 2016.

## **21. FACULTY INTELLECTUAL PROPERTY RIGHTS (Give details)**

"IOT DEVICE FOR DETECTING NATURALLY RIPEN AND CHEMICALLY RIPEN FRUITS"., Application No.201841031559 A, Publication Date : 31/08/2018.

## **22. FUNDED R & D PROJECTS & CONSULTANCY WORK (Give details): -**

## **23. FACULTY INTERACTION WITH OUTSIDE WORLD (Give details)**

Subject matter expert for MeritTrac services Pvt. Ltd., Bangalore

## **24. AWARD / RECOGNITION:**

1. Dr. A. P. J. Abdul Kalam Young Scientist Award for the year 2016, Innovative & Informative Technology Solutions (iiTECH).
2. BOE member, VTU, 2015-16.
3. Advisory Committee Member, Faculty Development Program & One day workshop on Plagiarism Issues, GMIT, Davangere, 20th February 2016
4. Session Chair, National Conference, MAKE IN INDIA, S. G. Balekundri Institute of Technology, Belagavi, 06th February 2016.
5. Scrutiny committee member, VTU, 2014-15.
6. Judge, PAPHYRUS 2015 (State level technical paper presentation), BIET, DVG, 25<sup>th</sup> March 2015.

7. Chair person, 7<sup>th</sup> IETE conference on RF & Wireless, HKBKCE, Bangalore, 9-10<sup>th</sup> March 2014.
8. Chair person, National conference on Electrical & Electronics Engineering, HKBKCE, Bangalore, 5<sup>th</sup> June 2014.
9. Secured first prize in the paper presentation event of Intratech 2008, a national level student technical symposium.

## **25. NUMBER OF PROJECTS GUIDED**

UG: 20

PG: 02

PhD: 06 research scholars

1. Harish H. M. (4JD15PEJ01 ), Comprehensive viva-voce completed
2. Pritam L.Sale (4JD16PEJ03), Comprehensive viva-voce completed
3. Manjunath N. L. (4JD16PEJ16 ), Course work completed
4. Spoorti J. Jainar (4JD16PEJ01), Comprehensive viva-voce completed
5. Jayaprakasha H (4JD16PEJ04), 03 course work completed
6. N. Praveen (4JD17PES01), registered

## **26. SUBJECTS TAUGHT:**

Microprocessors (8085&8086), Control systems, Microcontrollers-8051, Signals and systems, Network security and Cryptography, DSP architecture, Image Processing, Basic Electronics, DSP.

## **27. MEMBERSHIP OF PROFESSIONAL BODIES:**

1. Life member of ISTE (**LM 54243**)
2. Member – International Association of Engineers (IAENG) (Number:**136597**)
3. Member – International Association of Computer Science and Information Technology (IACSIT) (Number: **80347733**)

## **28. BRIEF ON ACTIVITIES FOR INSTITUTIONAL DEVELOPMENT:**

Conducting workshops for faculties, organizing invited talks, funded projects, R&D activities, research publications, etc.