FACULTY PROFILE

NAME	: Narayanan Kallingal
DESIGNATION	: Associate Professor
QUALIFICATION	: ME
EMAIL	: knarayanan@fragnel.edu.in
AREA OF INTEREST	: Control System, Signal Processing

PROFESSIONAL BACKGROUND :

Designation : Associate Professor

Department : Electronics Engineering

Nature of Appointment : Regular [Fulltime]

Join Date : 27-08-1987

EDUCATIONAL DETAILS :

Under Graduate : B.Tech. (Electrical), N.S.S. College of Engineering,

Palghat, Kerala, Calicut University, 1986

Post Graduate : M.E. (Control Systems), VJTI, Mumbai University, 1997

ADMINISTRATIVE BACKGROUND : Ambience in-charge

: Co-ordinator – Industry-Institute Cell, CRCE

RESEARCH GRANT PROJECTS/PATENTS :

PUBLICATIONS : (In the order of International Journal, National

Journal, International conference, National conference) : Refer Appendix 1

: Separate sheet attached at the end

BOOKS AUTHORED : NIL

TRAINING PROGRAMS CONDUCTED :

PARTICIPATION IN TRAINING PROGRAM :

STTP : Refer Appendix 2

Appendix 1:

PUBLICATIONS

International Publications

1. Narayanan Kallingal, "A Windows Mobile Based Application for Detection of Cancer in Squamous Cell" - Next Generation Mobile Applications, Services and Technologies (NGMAST), 2010 Fourth International Conference. 10.1109/NGMAST.2010.16. Publication Year: 2010 , Page(s): 19 – 24

2. Narayanan Kallingal, "3 - D Reconstruction of Tumors in MRI Images" - International Journal of Research and Reviews - Science Academy Publisher, United Kingdom

3. PawanSukode, Narayanan Kallingal, ShilpaPatil, "Design For Remote Monitoring & Controlling The Gate of Dam By Using GPRS & Internet Web Page" -CIIT International Journal of Programmable Device Circuits and Systems- Jan, 2012 issue (http://ciitresearch.org/pdcsjanuary2012.html)

4. Narayanan Kallingal, "Weighted Speech Analysis of CS_ACELP" - International Journal of Computing Technology , ISSN : 0976 5956, Vol 2 No. 4 March 2012

5. Narayanan Kallingal, "High Speed Multiplier Using Vedic Mathematics" – IJRET International Journal of Research in Engineering Technology – e-ISSN : 2319-1163 p-ISSN : 2321-7308. Volume : 03 Issue : 01/ Jan 2014 Pages 548-552 (http:/www.ijret.org)

6. Vinit John Pereira, Narayanan Kallingal, "Intensity Mapping Function based High ISO Noise Reduction in Images" – IJGTI – International Journal of Global Technology Initiatives – ISSN(print) : 2277-6591, ISSN(Online): 2320-1207, volume 3, Issue 1, March 2014 (http://www.ijgti.org.in/ind

7. Aqhsa Q Sayed, Narayanan Kallingal, Detection of Tumor in MRI Images Using Artificial Neural Networks" in IJAREEIE – Volume 3, Issue9, September 2014

8. AnjuYadav, Narayanan Kallingal,Bisy Joseph,"Sinusoidal Current Control Based Shunt Active Power Filter for Current harmonics Reduction" - International Journal of Science and Research – Volume 4 , Issue 7, July, 2015

9. NadarLaveenalasar, Narayanan Kallingal, "Diagnosis of Diabetic Retinopathy Using Morphology Methods" - International Journal of Advanced Research in Electronics and Communication Engineering (IJARECE) ISSN: 2278 – 909X Volume 5, Issue 3, March 2016 (http://ijarece.org/?page_id=2255)

10. NadarLaveenalasar, Narayanan Kallingal, "Categorization of Diabetic Retinopathy by Dissociating features in a Retinal image" International Journal of Latest Engineering and Management Research (IJLEMR) ISSN: 2455-4847 www.ijlemr.com || Volume 02 - Issue 02 || February 2017 || PP. 70-79   http://www.ijlemr.com/papers/volume2-issue2/23-IJLEMR-22071.pdf

11. Iqra Rizvi, Narayanan Kallingal, "MRI Image Enhancement for Extra axial Haemorrhages Classification" International Journal of Innovative Research in Computer and Communication Engineering IJIRCCE - 2017/July/Vol.5/Issue 7

International Conferences

1. Narayanan Kallingal, "A Neural way of Retrieving Historical Image Data using Hopfield Network" - International Conference and workshop on Emerging trends in Technology(ICWET 2011), TCET, Mumbai (26 - 02 - 2011)
2. Narayanan Kallingal, "Implementation of Hands Free Mouse Using Speech and Motion Tracking" - IRNET International Conference on Computer Science and Information Technology (CSIT-2011) at Bangalore (24th - 25th, July 2011)
3. Narayanan Kallingal, "Power Quality enhancement Technoque using Hybrid Filters" - International National Conference on Emerging Engineering Trends, "ICMEET2K12" at Meghna Engineering College, Chennai (12 - 13, April, 2012) Proceedings - ISBN - 978-81- 92
4. Narayanan Kallingal, "Methodology for Testing Battery De-Sulphator Circuit" -International National Conference on Emerging Engineering Trends, "ICMEET2K12" at Meghna Engineering College, Chennai (12 - 13, April, 2012) Proceedings - ISBN - 978-81- 92
5. PawanSukode, Narayanan Kallingal, ShilpaPatil, "Implementation of Web Page for Dam gate control using GPRS." – "2nd International Conference on Innovations in Electronics and Telecommunication Engineering" – ICIECE – 2013. Guru Nanak Institute of Technology, Ibrahimpatnam, Hydrabad, AP,

National Conferences

1. Narayanan Kallingal, "Waveform Compression Using Burrows-Wheeler Transform" - At National Conference on "Applications of Digital Signal Processing", Fr. CRCE, Bandra, on Jan 19-20,2007
2. Narayanan Kallingal, "The Burrows-Wheeler Transform A Different Approach To Data Compression" - At National Conference Organised by SFIT, Borivli- Jan,2007
3. Narayanan Kallingal, "Green Cover Loclization using image processing techniques" - National conference on Green technology, Government Polytechnic, Nasik, 10 - 12 Nov 2008
4. Narayanan Kallingal, "Field Recognition Of Bank Cheque Using Neural Networks" - at National conference on Innovations in Electronics & Information Technology (IEIT-2009), Vidyalankar institute of technology, Wadala, Oct 5-6 2009
5. Narayanan Kallingal, "Speaker Recognition using Integrated Approach" - Conference on Nascent Trends in Information and Communication Technologies - Terna college, Navi Mumbai (17,18 Sept, 2010)
6. Narayanan Kallingal, "A Neural way of Retrieving Historical Image Data Using Hopfield Network " – NC on "Emerging Trends in Technology" – at TCET, Kandivli, 26th Feb, 2011
7. Narayanan Kallingal, "A Novel Approach for Recognition of Iris using 2 D Gabor Wavelets" - National Conference on Emerging Trends in Engineering and Technology - LRTCE, Mira Road, 11th March, 2011
8. Narayanan Kallingal, "Content Based Image Retrieval System for Medical Images" - National Conference on Emerging Trends in Engineering and Technology - LRTCE, Mira Road, 11th March, 2011
9. Narayanan Kallingal, "Implementation of Hands Free Mouse Using Speech and Motion Tracking" – NC on IRNET Conference on Computer Science and Information technology (CSIT 2011), Bangalore , 24, 25 July 2011

Appendix 2:

PARTICIPATION IN TRAINING PROGRAM   :

STTP

1. C Programming Language and Object Oriented Programming (2 weeks) 9th to 20th Dec, 1997
2. Object Oriented Modeling and Design with UML   (2 weeks)   9th to 20th Dec, 1997
3. Network : Theory to Practice   (2 weeks)   9th to 20th June,2003

4. Embedded Systems and Emerging Trends in Instrumentation & Control   (2 weeks) 28th June to 10th July, 2004
5. Image Processing   (2 weeks) 13th to 18th July 2005
6. DSP and its Applications   (1 week) 3rd to 7th July, 2006
7. DSP and Applications   (1 week)   26th Feb 2007 to 2nd March 2007

8. Image , Audio & Video Data Compression (2 weeks)7thto 18th Jan 2008

9. A Journey Towards Awareness at Fr. CRCE, Bandra (Jan 01 - 05 , 2018) (1 week)

10. Industrial Automation: Hands-on atK J Somaiya College of Engineering,June04-08, 2018(1 week)