



Dr. Sanjeev Kubakaddi

Company : ITIE Knowledge Solutions

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Summary of Experience

- Entrepreneur with 16+ years of professional experience
- 10+ years of experience in portable biomedical product development
- Image Processing, Digital Signal Processing proficiency in Algorithm development
- Interacted and worked with fortune 500 companies
- Working with Universities for research & development
- Interacting and working with Indian premier institutes

Awards & Recognition

- Recipient of '**Mother Theresa Excellence Award 2013**' presented by Integrated Council for Socio-Economic Progress, Kerala
- Recipient of '**Rashtriya Udyog Ratan Award 2012**' presented by Economic Development Forum New Delhi
- Biographee in Marquis **Who's Who in the World 2014** (31st edition)

Honorary Post

- Member, Board of Governors, IIM Bodhgaya (2018-2019)
- Member, Executive Council, VTU Belagavi (2016-2019)
- Member, Academic Council, Bangalore University (2014-2017)
- Member, Skill Development Committee, Central University Karnataka (2018-2019)

Current Position

- Founder, itie Knowledge Solutions, Bangalore: The objective is to develop indigenous biomedical products for the research institutes in India. Collaborate with top institutes in India for research & development.
- Mentor, ITIE Academy: The main focus is to bridge the gap between the academia and industries by providing quality and industry oriented training to graduates and faculty of engineering colleges across the globe.
- **Past Positions : 16+ Years of Industrial and Academic experience**
 - Sr. Engg product development at Symphony Services Bangalore
 - Sr. Soft. Engg (R&D) at Novatium Solutions, Chennai
 - Research Associate at Indian Institute of Technology, Delhi

Education

- **Doctor of Philosophy**- PhD (Electrical & Electronics Engineering)
- **Master of Technology**- M. Tech (Biomedical Instrumentation Engineering)
- **Bachelor of Engineering** - B.E (Electrical & Electronics)

Achievements

- Secured 3rd rank in M. Tech to Visveswaraiah Technological University, Karnataka

Professional Memberships

- Life Member ISTE (LMISTE)
- Life Member BMESI (LMBMESI)
- Member IEEE
- Life Member, Institute of Engineers

Paper Published

- Mr. Sanjeevakumar Kubkaddi, Dr. K M Ravikumar, A Review of Recent Methods in Early Detection of Knee Osteoarthritis, International Journal of Research in Engineering Technology — Volume 2 Issue 3, Mar - Apr 2017, ISSN: 2455-1341, <http://www.ijretjournal.org> Page 47
- Sanjeevakumar Kubakaddi, Dr KM Ravikumar* Harini DG, Measurement of Cartilage Thickness for Early Detection of Knee Osteoarthritis (KOA), 2013 IEEE Point-of-Care Healthcare Technologies (PHT), Bangalore, India, 16 - 18 January, 2013.
- Sanjeevakumar Kubkaddi, K.M. Ravikumar, Early Detection of Knee Osteoarthritis Using SVM Classifier, Jour of Adv Research in Dynamical & Control Systems, Vol. 10, 05-Special Issue, 2018.
- Dilshad Begum, K. M. Ravikumar, James. Mathew, Sanjeev Kubakaddi, and Rajeev Yadav, "EEG Based Patient Monitoring System for Mental Alertness Using Adaptive Neuro-Fuzzy Approach," Journal of Medical and Bioengineering, Vol. 4, No. 1, pp. 59-66, February 2015. Doi: 10.12720/jomb.4.1.59-66 <http://www.jomb.org/uploadfile/2014/0320/20140320055154717.pdf>
- Sanjeev Kubakaddi et al – "SEGMENTATION, MODELLING AND 3D RECONSTRUCTION OF BRAIN TUMORS-A REVIEW", Jokull Journal Vol. 63, No. 9, Sep 2013
- Sanjeev Kubakaddi et al - "Multi - Class EEG Classification for Brain Computer Interface" International Journal of Scientific & Engineering Research, Volume 4, Issue 9, September - 2013 2304 ISSN 2229 – 5518 <http://www.ijser.org/researchpaper/Multi-Class-EEG-Classification-for-Brain-Computer-Interface.pdf#!>
- Mila Kankanala, Sanjeev Kubakaddi "Automatic Segmentation of Optic Disc using Modified Multi-level Thresholding", IEEE International Conference, <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?reload=true&arnumber=7300575>
- Sanjeevakumar Kubakaddi and K. Umarani – Image Compression using Wavelets, Proceedings of 2nd National conference on Mathematical & Computational models, India (2003). PP – 541- 549, ISBN-81-7764-554-4
- R.R.Reddy, S. Kubakaddi, et al – Vibration signal acquisition & analysis using LabVIEW, Journal of Instrumentation Society of India, India 2005, 35(4), 400-5

Conference Presentations

- Sanjeevakumar Kubakaddi (2004) – 'EOG Signal Analysis: For Assistive Devices' presented at 20th National Convention of E & T Engineers, The Institution of Engineers (India), New Delhi, India. (1st-2nd Dec'2004) (Abstract published in the proceedings).

Invited/ Guest Lectures

01. Six Days Workshop on Python Programming. Hands on training on NumPy, SciPy, Matplotlib, Pandas, Tkinter libraries at SGGGS Nanded 12th – 17th August 2016. The program was supported from Python Software Foundation (PSF), USA & TEQIP
02. One week workshop on Biomedical Image and Signal Processing: Advanced Tools and Techniques at College of Engineering, Karunagapally, Kerala 3rd -9th August 2016
03. Two Days Faculty Development Programme On Open Source Technologies for DSP and Image Processing Applications at CIT Gubbi 27th – 28th July 2016
04. Matlab for Image Processing Applications at SGGGS Nanded 5th May 2016
05. Five days Workshop on Fuzzy Logic & ANN Applications in Engineering at College of Engineering, Karunagapally, Kerala 18th -22nd April 2016
06. Two days SDP on Matlab for Signals & System, Control System & DSP at ACS College Of Engineering 23-24th March 2016
07. 2 Days TEQIP sponsored FDP on TMS320C6713 hands on at Dr. AIT Bangalore 21-22 March 2016
08. Two Days Workshop on "MATLAB AND ITS APPLICATIONS IN SIGNAL AND IMAGE PROCESSING" at AIET Moodabidre, Mangalore 10th & 11th March 2016
09. One Week AICTE Sponsored QIP on Biomedical Signal Processing & Instrumentation from 29th Feb – 5th March 2016 at VJTI Mumbai

10. Current trends in Digital Image processing and its applications" from 19th January 2016 to 21st JAN 2015 under the sponsorship of TEQIP-II at MSRIT Bangalore
11. AICTE (QIP) sponsored FDP on "Signal Processing and applications between 23 - 27th February 2015 at VJTI Mumbai
12. Three days FDP on Contextual DSP at CIT Gubbi 22-24 December 2014
13. National Workshop on 'Image Processing' at Amrita Vishwa Vidyapeetham Coimbatore 21-21 March 2014
14. Three Days Workshop on SCILAB at CIT Gubbi, 30th Jan to Feb 1st 2014
15. TeQIP Sponsored A Three Day Workshop on Scilab for Engineering Applications at RVCE Bangalore 1-3 January 2014
16. Four Days FDP on Wireless Network & Image Processing at SVCE Bangalore 3-6 December 2013.
17. Pre-Conference Tutorial at International Conference ICTMGE conducted by VTU Mysore on 18th September 2013
18. IEEE, IETE Sponsored Workshop on "Modeling and Simulation using MATLAB and SIMULINK" at SVCE Bangalore, 13 – 15 September 2013
19. Pre-Conference Tutorial at Seventh International Conference conducted by The Society of Information Processing & UVCE Bangalore on 9th August 2013
20. AICTE Sponsored FDP on "Real World DSP" at CIT Gubbi, 15-27 July 2013
21. TeQIP Sponsored Five Day Workshop on "FUZZY LOGIC AND ANN APPLICATIONS IN ENGINEERING" [FLANN - 13] at RVCE Bangalore, 27-31 May 2013
22. AICTE Sponsored FDP on FDP on "Embedded System Design using DSPs" at COEP Pune, 20-22 May 2013
23. Invited talk National Conference on Emerging Trends in Electronics, communication and computational intelligence- ETEC 2013, at VIT Bangalore, 20th March 2013
24. Three days' Workshop on DSP, Image Processing on Matlab® & Simulink® from 15th – 17th February 2013 @ SVCE Bangalore
25. Three days' Workshop on DSP Processors for Industry Applications on 28th – 30th January 2013 @ CIT Gubbi
26. Three days' Workshop on Image Processing @ IIST Indore November 2012
27. Two Day Workshop on LabVIEW & Applications from 24th -25th August 2012 @ SVCE, Bangalore
28. AICTE Sponsored FDP on LabVIEW and Its Industrial Applications on 24th May 2012 @ College Of Engineering (COE), Pune
29. Three Day Workshop on Matlab & Matlab Applications from 14th - 16th December 2011 @ DBCOET Yavatmal
30. Six Days Workshop on Digital Signal Processing using Matlab from 18th – 23rd July 2011 @ LMCST Trivandram
31. Three days Faculty Development Workshop from 1st – 3rd June 2011 @ Lourdes Matha College of Science & Technology, Kuttichal, Thiruvananthapuram
32. Three days workshop of Matlab & Applications from 16th – 18th Feb 2011 @ CITRIX
33. Four days workshop on Simulation of Signals & Image Processing using Matlab on 31st Jan – 3rd Feb 2011
34. One day Workshop on DSP & Image Processing at MEDCON 2010. <http://www.medcon.co.in/Talkers2.html>
35. Five days training program for students at SSIT, Tumkur
36. Four days Training program for students at St. Joseph College, Pala.
37. Five days Training program for students at IIST Indore
38. Faculty Development Program (FDP) at St. Joseph Engg College, Pala, Kerala on Matlab® on 23-24 November 2009
39. One week training program for students on Matlab®, Simulink at IIST Indore from 16th – 20th November 2009
40. Key note Speaker - National Conference BME-09 at Murthal, Haryana on 12th November 2009
41. One Day Seminar Lecture on Biomedical Instrumentation at Jamia Hamdard New Delhi on 11 Nov. 2009, Seminar Hall, FEIS.
42. Two days workshop on Mathematis for Image Processing @ PSG Tech Coimbatore on 23-24th October.
43. MHRD sponsored FDP at NIT Calicut 'Medical Cybernetics', June 2009.
44. Tutorial on 'Real Time Bio-Signal Acquisition & Analysis ibioSAQ – LabVIEW based system' at 2nd International Conference on Bioinformatics & Signal Processing held on 12th – 14th March in Chennai
45. Five days Faculty Development Program on Biomedical Signal Processing at MSRIT Bangalore (24th – 28th February 2009)
46. Invited lecture at National Seminar on Graphical System Design using LabVIEW, NITTTR Chennai (6th February 2009)
47. Conducted FDP at SSN College Of Engineering, Chennai

Invited/ Guest Lectures

48. Delivered lecture on 'Modeling & Simulation in Automotive & Aerospace' at International conference 'embedasia' 2007 (<http://www.embedasia.com/2007/conf-speaker-info.php>)
49. Delivered lecture at Indian Institute of Technology (IIT) Madras on 'Opportunities in Biomedical Product development' (<http://www.panacea.iitm.ac.in/schedule.php>)
50. Delivered lecture on 'Bio Virtual Instrumentation' at 'Control & Instrument System Conference' organized by MIT Manipal

Workshops / Conferences

- Attended National Convention of E & T Engineers, The Institution of Engineers (India), New Delhi, India. (1st-2nd Dec'2004)
- Attended one-day tutorial on 'Biometrics', at Indian Institute of Science (IISc), Bangalore, India. (21st Dec' 01)

Extra Curricular Activities

- Student counselor - Has counseled more than 5000 students across the world (Online)
- Organized many Personality Development courses for students
- Associated with many Non-Governmental Organization's working in the field of education

Customers Worked With

Industries

- BARC, Mumbai
- Neuroelectrics, Spain
- TATA Power SED
- TATA Steel Jamshedpur
- National Instruments India
- Infosys Technologies
- Goodrich Aerospace India
- KPIT Cummins
- General Motors India
- Hindustan Lever R&D
- HCL Technologies Ltd.
- HCL NEC System Technologies Ltd.
- Alstom Projects India Ltd.
- Dearborn Electronics
- ITCOE (USA)
- PT Len Industri (Indonesia)
- Vectormax (USA)
- AlcockMcPharGeotech (Canada)
- Safran Aerospace Indi
- Squarehoop (UK)
- Department of IT (Bhutan)

Academics

- Indian Institute of Science (IISc)
- IIT Kharagpur
- University of Malaya, Malaysia
- KACST, Saudi Arabia
- AIISH Mysore
- CBME, IIT Delhi
- COEP Pune
- VIT Vellore
- PSG Tech Coimbatore
- Indian Institute of Space & Technology
- VJTI Mumbai
- RVCE Bangalore
- NITTTR Chennai
- SSN College of Engineering
- PSNA Dindigul
- St. Joseph College of Engineering
- Nehru group of Institutions
- CIT Gubbi
- SSIT Tumkur
- BEC Bagalkot
- REVA Bangalore

Other Details

- **LinkedIn:** <https://www.linkedin.com/in/sanjeevkubakaddi>
- **Research Gate:** https://www.researchgate.net/profile/Sanjeev_Kubakaddi

- In the News:

- <http://www.newindianexpress.com/cities/bengaluru/Now-Help-Is-Just-a-Click-Away/2014/10/27/article2494398.ece>
- <http://www.cioreviewindia.com/magazines/medical-technology-special-september-2016/index.php?page=1>

Correspondence

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