



Dr Kanmani Buddhi

Professor,
Department of Electronics and Telecommunication Engineering

Qualification: MTech, PhD

Email-id: bkanmani.tce@bmsce.ac.in

Experience in BMSCE : 27 years

Total Experience: 29 years

Date of Joining this Institution: 25-10-1995

Research Interests:

- Signal Processing
- Signal Processing Education
- Engineering Education

B Kanmani, obtained her Bachelors in Electronics and Communication Engineering from Nagarajuna University in 1987, M.Tech. in Digital communication from Indian Institute of Technology, Kanpur in 1990, and PhD from the Indian Institute of Science Bangalore (IISc) in the year 2006. She has had her initial education in the states of Maharashtra, Andhra Pradesh and Karnataka. She has been with BMS College of Engineering, Bangalore, since 1995, and has to her credit publications in the domain of Signal processing, Signal Processing Education and Engineering Education. She has successfully completed AICTE funded MODROBS and the IIPC projects. She has published two Books; on one on '**Effective Implementation of OBE leading to Accreditation**', and another on, '**Digital Signal Processing Concepts using Python**', through the ISTE-WPLP, An AICTE project. She has uploaded few lectures on 'Digital Signal Processing' and 'Outcomes Based Education', on her **You Tube Channel- Kanmani's Lectures**. She has served as Dean-Academics, for a period of two years; and she has served as the Head of the Department, for a period of fifteen years. She handles the under-graduate courses on Signal Processing and Communication. Her prior employment as a teaching faculty was with Thadomal Shahani College of Engineering (Mumbai) and K L College of Engineering (Guntur). She is Senior Member IEEE, Fellow IETE and Life Member ISTE.

Education:

S.No.	Examination	Year	Board/University	Marks
1	SSLC	1981	Anglo-Indian Board, Tamil Nadu	84.8%
2	Intermediate	1983	AP Board of Intermediate Education	83.5%
3	B.Tech. (Electronics & Communication)	1987	VRS College of Engg., Nagarjuna University, Andhra Pradesh	89% Gold Medalist
4	M.Tech. (Digital Communication)	1990	Indian Institute of Technology Kanpur	7.25 CPI
5	Ph.D.	2006	Indian Institute of Science, Bangalore	--

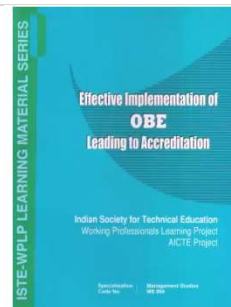
Employment Profile:

Organization	Period		Designation	Type of Experience
	From	To		
Department of Electronics and Telecommunication Engg., BMS College of Engineering, Bangalore	October 21, 2022	<i>date</i>	Professor	Teaching
	January 31, 2022	October 20, 2022	Professor & Dean Academics	Teaching, Research and Administration
	January 14, 2019	January 31, 2022	Professor & Head	
	December 16, 2016	January 14, 2019	Professor & Dean Academics	
	May 21, 2007	December 16, 2016	Professor & Head	
	April 1, 2006	April 20, 2007	Asst. Prof & Head (I/C)	
	August 1, 2005	March 30, 2006	Asst. Prof	
Indian Institute of Science, Bangalore	August 1, 2002	July 31, 2005	Deputed for Ph.D.	Research
Department of Telecommunication Engg., BMS College of Engineering, Bangalore	September 1, 2000	July 31, 2002	Asst. Prof & Head (I/C)	Teaching
	February 5, 1997	August 31, 2000	Asst. Prof	
	25 th October 1995	4 th February 1997	Lecturer	
Thadomal Shahani College of Engineering, Mumbai	March 10, 1993	July 28, 1994	Lecturer	Teaching
K L College of Engineering Guntur, Andhra Pradesh	July 24, 1987	July 23, 1988	Teaching Associate	Teaching

Books Published

'Effective Implementation of OBE Leading to Accreditation', by Indian Society for Technical Education (ISTE), under the Working Professionals Learning Project, an AICTE Project., 10th September 2020, ISBN: 978-81-89731-23-6.

'Effective Implementation of OBE Leading to Accreditation', Published by Khanna Book Publishing, January 2024; ISBN-10: 9355383975; ISBN-13: 978-9355383976



'Digital Signal Processing concepts using Python', through the ISTE-WPLP Program, Published by Khanna Book Publishing, 2024; ISBN: 9789355382689



Book Proposals accepted, and in progress

'Digital Signal Processing concepts using Matlab', by **Dr B Kanmani and Dr Prasanna Kumar M K**, by Indian Society for Technical Education (ISTE), under the Working Professionals Learning Project, an AICTE Project

Awards Received

Received the Outstanding Engineering Educator Award for the year 2016, from IUCEE (Indo Universal Collaboration for Engineering Education)

Received, received IUCEE the Teaching Learning Award, during the Eleventh International Conference on Transformations in Engineering Education (ICTIEE 2024) held at KLE Technological University, Hubballi in association with Indo Universal Collaboration for Engineering Education (IUCEE) from January 2 to 4, 2024

YouTube Lectures uploaded on 'Kanmani's Lectures'

- TWO videos of presentations during the Learning Ideas Conference of 2023 and 2024
- THREE videos on Outcomes Based Education'
- Four videos on, 'Sampling Theorem'
- SEVEN videos on, 'Discrete Fourier Transform'
- FIVE videos on 'Analog Filters
- 21 Videos on, 'Analog Signal Processing Concepts using Python'



Details of Funded Projects Completed

Sl. No.	Name of the Funding Agency	Faculty Co-ordinator(s)	Project Title	Amount	Year of Funding	Duration
1	AICTE-MODROBS	B Kanmani	Modernization of Signal Analysis & Synthesis	Rs 11.5 lakhs	2002	3 years
3	AICTE-MODROBS	B Kanmani ; & Rajeshwari H	Modernization of Signal Processing and embedded lab	Rs 14.3 lakhs	2009	2 years
4	BMS College: In-House Research & Development	B Kanmani	Study & implementation of Telecommunication Engineering Circuits & Systems	Rs 6.5 lakhs	2008	2 years
5	AICTE-IIPC	B Kanmani	In collaboration with National Instruments	Rs 9 lakhs	2010	2 years
6	AICTE-MODROBS	B Kanmani	Modernization of Digital Communication Lab	Rs 9.17 lakhs	2013	1 year

Books Published:

1. B Kanmani, '**Effective Implementation of OBE Leading to Accreditation**', by Indian Society for Technical Education (ISTE), under the Working Professionals Learning Project, an AICTE Project., 10th September 2020, ISBN: 978-81-89731-23-6.

B Kanmani, '**Effective Implementation of OBE Leading to Accreditation**', ISTE Series; Published by Khanna Book Publishing; ISBN – 13: 978-9355383976; ISBN-10: 935538975, January 2024 (*Available on Flipkart and Amazon*)

2. B Kanmani, '**Digital Signal Processing concepts using Python**', ISTE Series; ISTE-WPLP Learning Material series with specialization in, 'Electronics and Communication', from the Indian Society for Technical Education, (An AICTE Project), published by Khanna Book Publishing Co. (P) Ltd., New Delhi, First Edition 2023; Reprint 2024; ISBN 978-93-5538-268-9; (Also available as e-Book) (*Available on Flipkart*)

Book Chapters Published:

1. Tewari, P., Kanmani, B., Knight, D., Kanga, M. (2025). **Transformation to Outcomes Based Education**. In: Kandakatla, R., Kulkarni, S., Auer, M.E. (eds) Academic Leadership in Engineering Education. Lecture Notes in Networks and Systems, vol 1097. Springer, Cham. https://doi.org/10.1007/978-3-031-68282-7_6
2. Rajala, S.A., Iacona, D., Ruiz-Cantisani, M.I., Lara-Prieto, V., Kanmani, B. (2025). **Establishing and Maintaining Operational Systems and Processes that Meet International Quality Standards**. In: Kandakatla, R., Kulkarni, S., Auer, M.E. (eds) Academic Leadership in Engineering Education. Lecture Notes in Networks and Systems, vol 1097. Springer, Cham. https://doi.org/10.1007/978-3-031-68282-7_3
3. Buddhi, K. (2024). **Pedagogy Improvements After the International Engineering Educator Certification Program**. In: Guralnick, D., Auer, M.E., Poce, A. (eds) Creative Approaches to Technology-Enhanced Learning for the Workplace and Higher Education. TLIC 2024. Lecture Notes in Networks and Systems, vol 1150. Springer, Cham. https://doi.org/10.1007/978-3-031-72430-5_5
4. B Kanmani, '**Basics of Probability and Statistics using Python**', in the Book on, 'Intelligent Computing Techniques in Biomedical Imaging', pages 39-68; Academic Press; Editors – Bikesh Kumar Singh and G R Sinha, Elsevier. <https://doi.org/10.1016/B978-0-443-15999-2.00017-7>; ISBN 9780443159992 (Chapter 3)
5. Buddhi, K. (2023). **A Pedagogy for Engineering Concepts Focusing on Experiential Learning**. In: Guralnick, D., Auer, M.E., Poce, A. (eds) Creative Approaches to Technology-Enhanced Learning for the Workplace and Higher Education. TLIC 2023. Lecture Notes in Networks and Systems, vol 767. Springer, Cham. https://doi.org/10.1007/978-3-031-41637-8_8 (Chapter 8)

Journal Publications

1. B Kanmani, Gururaj C and Shreenivas B, 'Simplified method for computing Attainments in the OBE Framework', Indian Journal of Technical Education by Indian Society for Technical Education, Vol 47, Issue 1, January- March 2024; www.isteonline.in
2. B Kanmani, Shreenivas B and Gururaj C, 'Ensuring OBE through Curriculum: An Example', Indian Journal of Technical Education by Indian Society for Technical Education, Vol 46, Issue 4, October-December 2023; pg 202-215. http://www.isteonline.in/Datafiles/cms//Qtr_issue_Oct-Dec_2023_issue_for_web.pdf
3. Pushpavathi.K.P, B.Kanmani, "Design of IIR filters from wavelets – a comparative study" IUP Journal of Electrical and Electronics Engineering, Jul 2021, Vol. 14 Issue 3, p 46-65. 20p.
4. Pushpavathi.K.P, B Kanmani, "Design of FIR filters for LTE-Advanced technology" IUP Journal of Electrical and Electronics Engineering, Vol. 14, Issue. 4, October 2021. 18-26.
5. Pushpavathi.K.P, B.Kanmani," IIR filter design using wavelets" vol.11-No.2 (February 2021), International Journal of Engineering Research and Applications (IJERA), ISSN: 2248-9622, www.ijera.com, DOI:10.9790/9622-1102030106, pp. 01-06
6. Pushpavathi.K.P, B.Kanmani," Exploring the applications of Frozen Newton method in the design of Digital filters" International Journal of Advanced Trends in Computer Science and Engineering, 10(1), January- February 2021, 175-180. <https://doi.org/10.30534/ijatcse/2021/241012021>, ISSN:2278-3091
7. Pushpavathi.K.P, B.Kanmani," Narrow Band Digital Filter for Carrier Aggregation" Journal of science and Technology, Volume 5, issue 5 Sep-October 2020 ISSN: 2456 – 5660, DOI:<https://doi.org/10.46243/jst.2020.v5.i5.pp70-77>
8. Vasantha Lakshmi M, B.Kanmani, "PAPR reduction in Offset QPSK OFDM through Lossy Source Coding', International Journal of Electrical Engineering and Technology (IJEET), Volume 11, Issue 8, October 2020, pp1-10, Article ID: IJEET_11_08_001, Scopus Indexed
9. Vasantha Lakshmi M, B.Kanmani, "PAPR of QPSK OFDM modulation schemes: A comparative study", National Journal, The IUP Journal of Electrical and Electronics Engineering, (Published April 2019).
10. B Kanmani, 'Curriculum Design for Engineering Programs', The Indian Journal of Technical Education, Vol 41, No3, July-September 2018, pp 9 to 20.
11. Jayanthi Muthuswamy, B Kanmani, 'Optimization based liver contour Extraction of abdominal CT images', International Journal of Electrical and Computer Engineering (IJECE), Vol 8, No 6, December 2018, pp. 5061-5070, ISSN: 2088-8708, DOI: [10.11591/ijece.v8i6.pp.5061-5070](https://doi.org/10.11591/ijece.v8i6.pp.5061-5070)

12. M Jayanthi, B Kanmani, 'Extracting Liver and Tumor from Computer Tomography Images Using Hybrid Techniques', International Journal of Innovations & Advancement in Computer Science, IJIACS, ISSN 2347 – 8616, Volume 4, Issue3, March **2015**
13. B. Kanmani , K. Mallikharjuna Babu, ' Continuous Improvements in Teaching-learning-process in Outcomes Based Education', Journal of Engineering Education Transformations , Volume 28 , No.2 & 3 , Oct. 2014 & Jan. **2015** , ISSN 2349-2473, DOI: 10.16920/ijerit/2015/v28i2&3/56661, Publication Year: 2015 , Page(s): 85-91
14. M. N. Suma, S. V. Narasimhan, B. Kanmani, A New OFDM System Based on Discrete Cosine Harmonic Wavelet Transform (DCHWT) for PSK and QAM, , Wireless Personal Communication (Springer), October **2014** DOI 10.1007/s11277-014-2110-7
15. M N Suma, S V Narasimha, B Kanmani, Orthogonal frequency division multiplexing peak-to average power ratio reduction by best tree selection using coded discrete cosine harmonic wavelet packet transform, IET communications, pp 1-8, July **2014**, DOI: 10.1049/iet-com.2013.1103
16. Suma M N , B Kanmani, "Coded Wavelet Packet OFDM with Companding for PAPR Reduction" International Journal of Electronics Communication and Computer Engineering, Volume 4, Issue 3, ISSN (Online): 2249–071X, ISSN (Print): 2278–4209 June **2013**.
17. Suma M N , Kiran Sonna, B Kanmani, " PAPR Reduction using SLM and Companding Technique", Special Issue of International Journal of Computer Applications (0975 – 8887) (ICEDSP) 2012 International Conference on Electronic Design and Signal Processing (ICEDSP) **2012**
18. Suma M N , B Kanmani, " Channel Equalization with efficient variable stepsize Transform domain adaptive algorithm", ELIXIR Network Engg, Journal, 38, 2011 4547-4551, ISSN 2229-712X, September **2011**.
19. B Kanmani and R M Vasu, "Contrast-detail and noise-tolerance analysis for detection and reconstruction of absorbing inhomogeneities with diffuse optical tomography using single- and phase-correlated dual source schemes", *Journal of Physics in Medicine and Biology*, Vol 52, **2007**, pp 1409-1429 (stacks.iop.org/PMB/52/1409)
20. B Kanmani and R M Vasu, "Diffuse optical tomography through solving a system of quadratic equations: Theory and simulations", *Journal of Physics in Medicine and Biology*, Vol 51, **2006**, pp 981-998 (stacks.iop.org/PMB/51/981)
21. B Kanmani and R M Vasu, "Diffuse optical tomography using intensity measurements and the a priori acquired regions of interest: theory and simulations", *Journal of Physics in Medicine and Biology* Vol 50, **2005**, pp 247-264 (stacks.iop.org/pb/50/247)

Conference Publications

1. B Kanmani, "Implementing the NEP within the AICTE Model: An initial Step", The Ninth International Conference on Transformations in Engineering Education (ICTIEE 2022 Virtual), organized by Indo Universal Collaboration for Engineering Education (IUCEE) Foundation, 8th January **2022**
2. Vasantha Lakshmi M, B.Kanmani, " Digital circuit simulation study of Lossy source coding for PAPR reduction", 5th IEEE international conference on Advanced computing and Communication systems, Sri Eshwar College of Engineering, Coimbatore, Tamil Nadu, during march 15th to 16th **2019**.
3. K P Pushpavathi, B Kanmani, 'FIR Filter design using wavelet coefficients', at 4th International Conference on Wireless Communications Signal Processing and Networking (WiSPNET -2019), SSN College of Engineering, Kalavakkam, Tamil Nadu, 21st to 23rd March ,**2019**
4. K P Pushpavathi, B Kanmani, 'Frequency Sampling method of FIR filters design: A comparative study', at 3rd International Conference on Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT-2018), organized by GSSS Institute of Engineering & Technology for Women, from 14th to 15th December, **2018**
5. B Kanmani, 'Enhancing student performance through effective development of Program Outcomes', 4th World Summit on Accreditation: Quality Assurance through Outcomes Based Education, by National Board of Accreditation, 6 to 8 September **2018**, New Delhi, India
6. B Kanmani, 'Enhancing Industry Institute Collaboration', 4th World Summit on Accreditation: Quality Assurance through Outcomes Based Education, by National Board of Accreditation, 6 to 8 September **2018**, New Delhi, India
7. B Kanmani, 'Continuous Quality Improvement through OBE', ICITEE-**2017**, held at Vardhaman College of Engineering, Hyderabad, January 4 to 6, **2017**
8. Vasantha Lakshmi M, B.Kanmani, " PAPR reduction through Lossy coding" at International Conference on Algorithms, Methodology, Models and Applications in Emerging Technologies – 2017 organized by Bharath University, Selaiyur, Chennai, Tamil Nadu in association with IEEE during February 16th to 18th **2017**.
9. Vasantha Lakshmi M, B.Kanmani, "PAPR Reduction through Lossy Coding in BPSK OFDM", at third Regional Conference on Radio Science URSI-RCRS 2017 organized by NARL, Department of Space, Govt of India, Gadanki, Tirupathi, Andhra Pradesh during March 1st to 4th **2017**.
10. B Kanmani , "Outcomes and Assessment of Engineering Projects: An Example", 3rd World Summit on Accreditation: Quality Assurance through Outcomes Based Education, by National Board of Accreditation, 18 to 20 March **2016**, New Delhi, India
<http://wosa.nbaind.org:8081/proceedings/Web%20page/articles/025.pdf>

11. B Kanmani, "Addressing Engineering Graduate Competencies through Course Outcomes: Some Examples", 3rd World Summit on Accreditation: Quality Assurance through Outcomes Based Education, by National Board of Accreditation, 18 to 20 March **2016**, New Delhi, India
<http://wosa.nbaind.org:8081/proceedings/Web%20page/articles/036.pdf>
12. B Kanmani, 'Engineering Education in India', International Conference on 'Liberal Education and the Future of the University', held on 10 and 11 June **2016**, at BMS College of Engineering, Bangalore
13. B Kanmani, K Mallikharjuna Babu, "Introducing Life-Long learning in Engineering Education", 2015 IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), Amritsar, October 1-2, **2015**
DOI: 10.1109/MITE.2015.7375366, Publication Year: 2015, Pages: 466 – 471
14. B Kanmani, Shreenivas B, Prasanna Kumar M K, "Introducing a Modern-Tool in Engineering Education: An Example", 2015 IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), Amritsar, October 1-2, **2015**
DOI: 10.1109/MITE.2015.7375350 , Publication Year: 2015, Pages: 388 – 391
15. M Janyanthi, B Kanmani, 'Extracting the Liver and Tumor images from abdominal CT images', Fifth International Conference on Image and Signal Processing, **2014**, DOI 10.1109/ICSIP.2014.24
16. B Kanmani and Mallikharjuna Babu, 'Leveraging Technology in Outcome Based Education', International Conference on Transformations in Engineering Education, ICTIEE-2014, Hubli, January 16-18, **2014**
link.springer.com/content/pdf/10.1007%2F978-81-322-1931-6_48.pdf
17. B Kanmani and Mallikharjuna Babu, 'Defining Course Outcomes: An example', 2nd World Summit on Accreditation: International Recognition of Educational Qualifications, Conducted by NBA, 8th to 10th March **2014**, at Hotel Ashok, New Delhi
18. Kanmani, B, 'Program educational objectives: A graphical representation', 2014 International Conference on Interactive Collaborative Learning (ICL), WEEF Dubai, December 3 to 6, **2014**
DOI: 10.1109/ICL.2014.7017844 , Publication Year: 2014 , Page(s): 623 – 626
19. Babu, K. ; Kanmani, B. ; Gopalakrishnan, G. ; Girish, S. ;Suryanarayan, S. , 'Improvement of learning outcome and its measurement using social learning intelligence', 2014 International Conference on Interactive Collaborative Learning (ICL), WEEF Dubai, December 3 to 6, 2014
DOI: 10.1109/ICL.2014.7017816 , Publication Year: **2014** , Page(s): 459 – 463
20. Kanmani, B ; Babu, K Mallikharjuna, 'Introducing communication skills as an assessment tool in a course', 2014 IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), Patiala, December 19-20, **2014**
DOI: 10.1109/MITE.2014.7020266 , Publication Year: 2014 , Page(s): 179 – 182

21. Kanmani, B ; Shreenivas, B ; Soni, Mukesh, 'Online courseware for electronics laboratory courses: An example', , 2014 IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), Patiala, December 19-20, **2014**, DOI: 10.1109/MITE.2014.7020306 , Publication Year: 2014 , Page(s): 372 – 376
22. Nitya Kumari, Suma M N, B Kanmani “Performance study of Spectral estimation and Sensing Methods in Cognitive Radios”, National Conference on Women in Science and Engineering, July **2013**, SDM Dharwad
23. Suma M N , Kiran Sonna, B Kanmani, “PAPR reduction with error control coding in OFDM”, International Journal of Advances in Engineering & Technology, July **2013**. ISSN: 22311963
24. B Kanmani, 'Digital Communication Using Labview', MITE-2013, IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), Jaipur, 20-22 December, **2013**
DOI: 10.1109/MITE.2013.6756377, Publication Year: 2013 , Page(s): 405 – 410
25. B Kanmani, 'Laboratory Implementation of some Analog and Digital Modulation Schemes Using Single Circuit', MITE-2013, IEEE International Conference on MOOC, Innovation and Technology in Education (MITE), Jaipur, 20-22 December, **2013**
DOI: [10.1109/MITE.2013.6756376](https://doi.org/10.1109/MITE.2013.6756376) , Publication Year: 2013 , Page(s): 399 – 404
26. B Kanmani, K Mallikharjuna Babu, “Towards Improvement in Quality of Higher Education through Activity Based Teaching-Learning Process”, NATIONAL CONFERENCE on “Modern Trend & Importance of Quality assurance in Higher Education & Role of Stake Holders”, conducted by Guru Shree Shantivijai Jain College for Women at Chennai, February 22-23, **2013**
27. B Kanmani, “Social Issues pertaining to Women Related Problems”, International Conference on “Women Empowerment: Global Perspective”, conducted by EAST (Environmental Advisory for Sustainable Trust), at Vivekanadra Kendra, Kanniyakumari, 27-28 September, **2013**
28. Suma M N , Kiran Sonna, B Kanmani, “Combined RS Coded, SLM and companding for PAPR reduction in OFDM” International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT-12), December **2012**
29. Suma M N, Narasimhan S V, B Kanmani, “The OFDM system based on Discrete Cosine Harmonic Wavelet transform”, National Conference on Communications, IEEE April **2012**, pp 1-5, Kharagpur, India. Digital Object Identifier: [10.1109/AHICI.2011.6113955](https://doi.org/10.1109/AHICI.2011.6113955)
30. Suma M N , B Kanmani, “Developments in Orthogonal Frequency Division multiplexing (OFDM) system-A survey”, Second IEEE South Central Asian Himalayan Regional conference on Internet -NOV **2011**, Nepal.

31. B Kanmani , “Introducing signals and systems concepts through analog signal processing first”, IEEE Signal processing society: 14th DSP Workshop & 6th SPE Workshop, Enchantment Resort, Sedona, Arizona, 4th -7th January, **2011**
DOI: [10.1109/DSP-SPE.2011.5739191](https://doi.org/10.1109/DSP-SPE.2011.5739191), Publication Year: 2011 , Page(s): 84 – 89
32. B Kanmani , “An alternate approach to the laboratory implementation of communication experiments”, IEEE Signal processing society: 14th DSP Workshop & 6th SPE Workshop, Enchantment Resort, Sedona, Arizona, 4th -7th January, **2011**
DOI: [10.1109/DSP-SPE.2011.5739268](https://doi.org/10.1109/DSP-SPE.2011.5739268), Publication Year: 2011 , Page(s): 517 – 522
33. Suma M N, Harshit Kumar, Gulab Prasad and B Kanmani, “LabVIEW based software defined radio FM modem” at the, Third IETE conferene on RF and wireless (Icon RFW-10), IETE Bangalore, 7th to 9th October **2010**.
34. Suma M N, Roopa S and B Kanmani, “Performance study of Channel equalization for OFDM transmission using transform domain algorithm” at the, Third IETE conferene on RF and wireless (Icon RFW-10), IETE Bangalore, 7th to 9th October **2010**.
35. B Kanmani , “The modified ‘Switching-modulator’ for generation of AM and DSB-SC: Theory and experiment”, IEEE Signal processing society: 13th DSP Workshop & 5th SPE Workshop, Marco Island, 4th -7th January, Florida, **2009**
DOI: [10.1109/DSP.2009.4786027](https://doi.org/10.1109/DSP.2009.4786027), Publication Year: 2009 , Page(s): 780 – 785
36. B Kanmani , “The ‘phase-reversal’ in DSB-SC: A comment”, IEEE Signal processing society: 13th DSP Workshop & 5th SPE Workshop, Marco Island, 4th -7th January, Florida, **2009**
DOI: [10.1109/DSP.2009.4786028](https://doi.org/10.1109/DSP.2009.4786028) , Publication Year: 2009 , Page(s): 786 - 790
37. B Kanmani , “The ‘modified phase discriminator’ for SSB generation: Theory and experiment”, WASET CESSE 2009: International conference on Computer, Electrical and Systems science and Engineering, Rome, 28th -30th April, Italy ,**2009**
Volume 52, April 2009, ISSN 2070-3724, Page(s): 341-346
38. B Kanmani “Some applications of the combination: LM-741 and LF-398”, WASET CESSE 2009: International conference on Computer, Electrical and Systems science and Engineering, Rome, 28th -30th April, Italy ,**2009**
Volume 52, April 2009, ISSN 2070-3724, Page(s): 335-340
39. B Kanmani , “The modified ‘switching-modulator’ for generation of amplitude modulation”, WASET CESSE 2009: International conference on Computer, Electrical and Systems science and Engineering, Rome, 28th -30th April, Italy ,**2009**
Volume 52, April 2009, ISSN 2070-3724, Page(s): 330-334
40. B Kanmani , “The transformer-less method of generating the AM and the DSB-SC using a single circuit”, WASET CESSE 2009: International conference on Computer, Electrical and Systems science and Engineering, Rome, 28th -30th April, Italy ,**2009**
Volume 52, April 2009, ISSN 2070-3724, Page(s): 325-329

41. B Kanmani , “The transformer-less double-side band suppressed carrier generation”, IET, International conference on Wireless, Mobile and Multimedia Networks, January 11-12, Mumbai, India, **2008**.
Publication Year: 2008 , Page(s): 121 – 124
42. B Kanmani , “The transformer-less generation of amplitude modulation: Theory and Experiment”, ICECS 2008, The 15th IEEE International conference on Electronics, Circuits and Systems, August 31st - September 3rd, Malta, **2008**
DOI: [10.1109/ICECS.2008.4675044](https://doi.org/10.1109/ICECS.2008.4675044) , Publication Year: 2008 , Page(s): 1079 - 1082
43. B Kanmani and R M Vasu, “Acquiring regions of interest from diffuse optical tomography measurements’, ICECS 2008, The 15th IEEE International conference on Electronics, Circuits and Systems, August 31st - September 3rd, Malta, **2008**
DOI: [10.1109/ICECS.2008.4674800](https://doi.org/10.1109/ICECS.2008.4674800) Publication Year: 2008 , Page(s): 97 – 100
44. B Kanmani and R M Vasu, “Enhanced noise tolerance through wavelet-based reconstructions in diffuse optical tomography”, International Conference on Information and Communication technology IICT -07, pp 325-332, Dehradun, India, July 26-28, India, **2007**
45. B Kanmani and R M Vasu, “Efficient noise tolerant reconstructions in diffuse optical tomography through computation of Jacobian in wavelet domain” Internet Report, Saratov Fall Meeting: Optical Technologies in Biophysics and Medicine VIII, Ed. Valery V. Tuchin, September 26-29, Russia, 2006
Available as Proceedings of SPIE Volume 6535, pp 65350Y1-12, **2007**
46. B Kanmani , “Spatially varying regularization parameter for absorption inhomogeneities in diffuse optical tomography: Theory and simulations” Internet Invited Lecture, Saratov Fall Meeting: Optical Technologies in Biophysics and Medicine IX, September 25-28, Russia, **2007**
47. B Kanmani , “Wavelet-Galerkin solution to the diffusion equation of diffuse optical tomography”, Internet Report, Saratov Fall Meeting: Optical Technologies in Biophysics and Medicine IX, September 25-28, Russia, **2007**
48. B Kanmani , “Analysis of frequency domain dual phase-correlated sources for reconstructions in diffuse optical tomography” Internet Report, Saratov Fall Meeting: Optical Technologies in Biophysics and Medicine IX, September 25-28, Russia, **2007**
49. B Kanmani and R M Vasu, “Elimination of cross-talk in diffuse optical tomographic reconstructions through a weighted update procedure: results of simulation study”, Internet Report, Saratov Fall Meeting: Optical Technologies in Biophysics and Medicine VII, edited by Dmitry A Zimnyakov & Nikolai G Khlebtsov, September 27-30, Russia, 2005,
Available as Proceedings of SPIE Volume 6164, pp 61640S1-11, **2006**
50. B Kanmani, Puneet Bansal and R M Vasu, “Computationally efficient optical tomographic reconstructions through waveletizing the normalized quadratic perturbation equation”, Internet Report: Saratov Fall Meeting 2005: Optical

Technologies in Biophysics and Medicine VII, edited by Dmitry A Zimnyakov & Nikolai G Khlebstov, September 27-30, Russia, 2005
Available as Proceedings of SPIE Volume 6164, pp 61640R1-10, **2006**

51. B Kanmani, R Padmaram and R M Vasu, "Diffuse optical tomography through solving a system of quadratic equations without re-estimating the derivatives: the "Frozen-Newton" method, Reconstruction from experimental data"
52. Puneet Bansal, B Kanmani, R M Vasu, "Optical tomography through solving a system of quadratic equations: A wavelet – based reconstruction of the region of interest", International Conference on Optics and Optoelectronics (XXXI Symposium of Optical Society of India) Instruments Research & Development Establishment Dehradun, Uttarakhand, December 12-15, India, **2005**
53. Internet Report, Saratov Fall Meeting: Coherent Optics of Ordered and Random Media V, edited by Dmitry A. Zimnyakov, September 21-24, Russia, 2004
Available as Proceedings of SPIE Volume 5772, pp 170-80, 2005.
54. B Kanmani & R M Vasu, "Diffuse optical tomography through solving a system of quadratic equations without re-estimating the derivatives: The Frozen-Newton method", IEEE International workshop on Biomedical circuits & Systems, BioCAS 2004, S2 2-17 to S2 2-20 : December 1-3, Singapore 2004.
DOI: 10.1109/BIOCAS.2004.1454106, Publication Year: **2004**, Page(s): S2/2 - 17-20
55. Kanmani Buddhi and R M Vasu, "Diffuse tomographic imaging, after estimation of location and approximate value of the object inhomogeneities through backprojection of the data", Internet Report, Saratov Fall Meet: Optical Technologies in Biophotonics and Medicine V, October 7 - 10, Russia, **2003**. Available as Proceedings SPIE Volume 5475, pp108-14, **2004**

Conducted Workshops on OBE

1. Conducted the one day Workshop, 'Outcome Based Education and NBA Tier-I Accreditation Process', for faculty of the college, organized by IQAC, at Excel Engineering College, Komarapalayam, Tamil Nadu on, 28th September, 2024
2. Conducted two days Workshop, 'Effective implementation of OBE', organized by department of CSE(AI&ML) in association with IQAC, at Nagarjuna College of Engineering and Technology, on 19 and 20 September, 2024
3. Conducted the one day Workshop, 'Blended Teaching and Learning', at BMS Institute of Technology and Management, Yelahanka, Bengaluru
4. Conducted the one day FDP on, 'Outcome Based Education', organized by the Internal Quality Assurance Cell (IQAC) of Kings College of Engineering, Tanjore, Tamil Nadu, on 27 August 2024
5. Conducted the one day Workshop on, 'Curriculum Design in the OBE and NEP Framework', organized jointly by the IQAC and the IIC for the college, at Bannari Amman Institute of Technology, Erode, on March 12, 2024
6. Conducted the one day Workshop for Faculty of the college on, 'Blooms Taxonomy, OBE and NEP', organized by the IQAC at Dayananda Sagar College of Engineering, on February 8, 2024
7. Conducted the one day Workshop for Faculty of the college on, 'Curriculum design in the OBE Framework', organized by IQAC, at KPR Institute of Engineering and Technology, Coimbatore, on January 20, 2024
8. Conducted the one day Workshop for Faculty of the college on, 'Effective Implementation of OBE', organized by IQAC, Amal Jyothi College of Engineering Kanjirappally, Kottayam, Kerala, on December 7, 2023
9. Conducted the one day Workshop for Faculty of the college on, 'Effective Implementation of OBE', organized by IQAC, KPR Institute of Engineering and Technology, Coimbatore, on November 25, 2023
10. One day workshop for Faculty of the college on, 'Effective Implementation of OBE', organized by IQAC, Guru Nanak Dev Engineering College, Ludhiana, on November 16, 2023
11. Conducted the one day Workshop for Faculty of the college on, 'Effective Implementation of OBE', organized by IQAC, at Yaswanthrao Chavan College of Engineering, Nagpur, on November 8, 2023

12. Conducted the one day Workshop for Faculty of the college on, 'Outcomes Based Education', at PSG Institute of Technology and Applied Research, Coimbatore, on 16 September 2023
13. Conducted the one day Workshop for Faculty of the college on, 'Effective implementation of Outcomes Based Education', at PSG College of Technology, Peelamedu, Coimbatore, Tamil Nadu, on June 14, 2023
14. Conducted the one day Workshop for Faculty of the college on, 'Effective implementation of OBE leading to accreditation', at Dr Mahalingam College of Engineering and Technology, Pollachi, Tamil Nadu, on June 2, 2023
15. Conducted the one Day Training Program on, 'Effective Implementation of OBE', at Vellore Institute of Technology (VIT), Vellore, on April 13, 2022
16. Conducted the one day Workshop on, 'Outcomes Based Education (OBE)', at East West Institute of Technology, Bengaluru, on April 12, 2022
17. Conducted the one day Workshop on, 'Reframing of COs-POs in alignment to NEP 2020', at New Horizon College of Engineering, Bengaluru, on September 23, 2021
18. Conducted the one day Workshop on, 'Best Practices in Outcomes Based Education', at Amrita Vishwa Vidyapeetam, Amritapuri Campus, Kerala, on September 18, 2021
19. Conducted the one day Workshop on, 'Effective Implementation of OBE', at Army Institute of Technology, Pune, , on August 11, 2021

Conducted Workshops/Internships on Signal Processing

1. Workshop during the 10th International conference on Transformations in Engineering Education ICTIEE -2024 by IUCEE on, 'Experiential Learning for Engineering Concepts using Python', at KLE Technological University, Hubballi, on January 3, 2024
2. Conducted the pre-conference Workshop on, 'Engineering Mathematics concepts using Python', during the 9th International conference on Transformations in Engineering Education (ICIEE) on January 4th, 2023, held at Vidyavardhaka College of Engineering (VVCE) Mysore
3. Conducted the pre-conference Workshop (*online*) on, 'Analog Signal Processing concepts using Python and Multisim Live', during the International Conference Remote Engineering using Virtual Instrumentation, held at Cairo, Egypt (REV 2022), on February 28, 2022
4. Conducted the Two week online Workshop/ Internship on, 'Analog Signal Processing Concepts using Python', September 15 to 30, 2021 Online, BMSCE

Invited Talks Delivered

Sl. No.	Nature of Program	Title of lecture delivered	Date	Venue
1	Afternoon session during the one week FDP on 'Innovative Pedagogy using Generative AI', organized by the Departments of CSE, ISE and MCA	'Pedagogy for Engineering concepts using experiential Learning'	August 23, 2024	MS Ramaiah Institute of Technology, Bengaluru
2	Afternoon session (<i>online mode</i>), on, during the two day FDP on 'Innovation and Excellence in Teaching Practices', organized by the Department of MCA, in association with IQAC and Library & Learning Group	'Outcomes, Assessments and Attainments'	August 9, 2024	St Joseph Engineering College, Mangaluru
3	To conduct the Academic Audit (<i>online</i>) by The School of Electronics and Telecommunication Engineering	Course Design' and 'Defining Course Outcomes'	January 17, 2024	MIT Academy of Engineering, Alandi, Pune
4	One session during the One week Faculty Development program on, Outcome based Teaching and Learning (OBTL)	Graduate Attributes and Program Outcomes	July 3, 2023	Sharda University, Greater Noida (<i>online</i>)
5	One week FDP program on Outcome-based education: Adopting Effective Pedagogy	To handle Forenoon session	2nd Feb 2023	Jyothi engineering college, Kerala
6	One week FDP organized by Department of Mathematics	Two Forenoon Sessions on, 'Engineering Mathematics using Python'	28 October 2022	BMSCE

7	Deliver keynote address during the One week FDP	Keynote address on "Role of faculty in the OBE and NEP framework	19th Sep 2022	Malnad college of Engineering,Hassan
8	During the One week Shikshak Parv, on the occasion of Teachers Day	One session on, 'NEP-2020'	September 8, 2022	Sir MVIT (<i>online</i>)
9	During the one week FDP on OBE, conducted by the ISTE-BMSCE Chapter	One session on, 'Formulating student learning outcomes and CO-PO mapping	August 19, 2022	BMSCE
10	During the One week Faculty Development Program	Three session on 'Outcomes Based Education'	July 25, 27 and 29, 2022 (<i>afternoon sessions</i>)	Shoolini University, Himachal Pradesh (<i>online</i>)
11	Two Day Workshop by College Accreditation Cell	Awareness of OBE	May 27, 2022	Vidyavardhaka College of Engineering, Mysuru.
12	Three day Faculty Development Program, on 'Innovative Tools/Techniques to improve quality of Teaching Learning	OBE and NEP Framework	April 7, 2022	Sapthagiri College of Engineering, Bengaluru.
13	Internship/ Value added course on , 'Introduction to Python and Latex Programming', from March 28 to April 1, 2022, at BMS College of Engineering BMSCE; along with two faculty colleagues from the department			
14	Three days online FDP on, 'Best Practices and Innovative Teaching Methods	'Pedagogy for Engineering Courses'	February 2, 2022	Computer Science School of Engineering, Dayananda Sagar University, Bengaluru
15	Teaching Digital Signal Processing using Matlab as an Engineering Tool'.	International workshop by Mathworks on 'Embedding MATLAB Teaching Tools in Courses	December 9, 2021	IIT Madras, India, Online
16	Three days Webinar on Implementation of National Education Policy	Engineering Curriculum aligned to OBE and NEP-2020	December 8, 2021	Bangalore Institute of Technology

17	Curriculum Planning	AICTE sponsored “Share and Mentor Institutions (Margdarshan) Scheme”, during the Faculty Development Programme (FDP) on “Teaching Learning Process to enhance Program Outcomes	November 15 to 19 2021	RV College of Engineering, Bengaluru
18	One week AICTE ATAL FDP on, ‘Outcome Based Education Curriculum and Examination Reforms	Bloom’s Taxonomy Levels, Action verbs and Course Outcomes	October 26, 2021	B.V.V.S. Polytechnic (Autonomous), Bagalkot.
19	Panel discussion	COVID-19: How can learning loss for students be addressed?	September 26, 2021	Baháí Community of Bangalore
20	Teaching and Learning Evaluation; Institutional Values and Best Practices	NAAC Sponsored two day National Level Webinar on, ‘Academic and Administrative Audit’	August 18, 2021	Rao Bahadur V Mahabaleswarappa Engineering College, Ballari
21	Faculty Orientation Program	Curriculum Design	May 24, 2021	Curriculum Development Cell of Nehru Arts and Science College, Coimbatore
22	Online – talk	Effective Implementation of OBE through COs	February 10, 2021	Malnad College of Engineering, Hassan
23	ATAL FDP	Outcomes Based Education	February 9, 2021	Yashwantrao Chavan College of Engineering, Nagpur
24	Workshop	AICTE Sponsored STTP- Outcome Based Education with Assessment and Evaluation, Phase-III	December 9, 2020	Sahrdaya College of Engineering and Technology, Kerala
25	Workshop	AICTE Sponsored STTP- Outcome Based Education with Assessment and Evaluation, Phase-II	November 25, 2020	Sahrdaya College of Engineering and Technology, Kerala
26	Workshop	AICTE Sponsored STTP- Outcome Based Education with	November 11, 2020	Sahrdaya College of Engineering and Technology,

		Assessment and Evaluation, Phase-I		
27	One week online Faculty Development Program on, 'Fostering Outcome based Engineering Education towards Institutional Accreditation	Defining Course Outcomes to map Program Outcomes' and 'Defining Assessments to map Course Outcomes: online/written examinations	June 16, 2020	Kalasalingam Academy of Research and Education (KARE), Srivilliputtur, Tamil Nadu
28	Workshop	VTU TEQIP 1.3 Sponsored One week Faculty Development Program on "Outcome Based Education & NBA Accreditation"	January 30, 2020	New Horizon College of Engineering, Bengaluru
28	Workshop by Mechanical Engineering department and Sponsored by the ISTE-BMSCE Chapter	One week Faculty Development Program on "Outcome Based Education & Accreditation	January 29, 2020	BMSCE
30	One week two day workshop on 'Outcome Based Education and its effective implementation under Autonomy'	One session	January 24, 2020	Vidyavardhaka College of Engineering Mysore
31	Workshop organized by IQAC	Understanding the NBA SAR', and 'Assessments and Continuous Improvement	January 7, 2020	CMR Institute of Technology
32	Workshop	AICTE-Mardharshan funded FDP on 'Outcome Based Education (OBE) Implementation towards Accreditation',	December 12, 2019	Kalasalingam Academy of Research and Education, Madurai
33	Workshop organized by IQAC	Evolving Course Objectives, Course Outcomes and Question Paper Setting Methods	September 21, 2019	JSS Law College, Mysore

34	Pre-conference symposium of NATCON-2019 on 'Skills & Entrepreneurship for global competitiveness'	Improving Ranking and Accreditation	August 16, 2019	RV Institute of Management, Jayanagar, Bangalore.
35	Workshop organized by Department of Mechanical Engineering	OBE and NBA Accreditation Process	July 16, 2019	SJBIT, Bengaluru.
36	One week VTU sponsored FDP under TEQIP-1.3 Implementation of Outcomes Based Education in Higher Educational Institutions	One session on Teaching Learning Process	July 11, 2019	Siddaganga Institute of Technology, Tumkur
37	Workshop	TEQIP-III sponsored one day workshop on 'Outcomes Based Education	July 8, 2019	JSS Science & Technology University, Mysore.
38	Workshop organized by Centre for Excellence in Learning and Teaching & IQAC	Course Outcomes Formation'	May 22, 2019	Karpagam College of Engineering, Coimbatore
39	Workshop	TEQIP sponsored FDP on 'Outcomes Based Education-NBA	May 18, 2019	Sir MVIT in association with VTU, AKU-Bihar and BJUT-Orissa
40	FDP	TEQIP sponsored FDP on 'Outcomes Based Education-NBA	May 10, 2019	Sir MVIT
41	Workshop	'Curricular Gaps, Assessment in OBE Framework and Industry-Institute Interaction	February 23, 2019	BNM Institute of Technology, Bengaluru
42	Extension Lecture	NBA Accreditation Process	December 20, 2017	AMC Engineering College
43	Research Methodology Workshop	Approach to solve the problem (conducting Research)	July 8, 2017	IEEE ComSoc Chapter Bangalore and IEEE Bangalore Section, at Amrita School of Engineering

44	IEEE awareness Workshop	Need for Continuous Quality Improvement in Accreditation	July 3, 2017	BMSCE
45	Workshop	Applications of Signal Processing using MATLAB	June 19 to 23 , 2017	BMSCE
46	Course	Partial Delivery on the topic 'Fourier Series', as part of the course on 'Signals and Systems',	May 26, 2017	BMS Institute of Technology, Bangalore
47	Extension lecture	Course Outcomes	May 27, 2017	BMSCE
48	Webinar	Continuous Quality Improvement through OBE	February 28, 2017	IUCEE webinar
49	Workshop on, 'NBA-Know how, preparation and next steps'	Course-Outcomes, Continuous Improvement	January 25, 2017	JNN College of Engg. Shivamogga
50	FDP	Course Outcomes	November 29, 2016	BMSIT, Bangalore
51	FDP	Forming COs and its Mapping to POs and course attainment calculations	October 5, 2016	PESCE, Mandya
52	Workshop	Forming CO's and its mapping to PO's and Course Attainment Calculations	November 5, 2016	PES College of Engineering, Mandya
53	IUCEE webinar	Signals and Systems concepts using Multisim	October 19, 2016	Online
54	workshop on 'Accreditation Process for Technical Institutions'	Mapping aspects in SAR: CO-PO, CO-PSO and PEOs-Mission	August 27, 2016	JSS
55	TEQIP-II sponsored on Pedagogy Training	One session during the workshop, 'Program Outcomes and Mapping with COs'	July 26, 2016	RVCE
56	TEQIP-II sponsored workshop on	Fourier Transforms through Matlab	July 25, 2016	BMSCE
57	TEQIP-II sponsored on Pedagogy Training	Graduate Attributes	July 4, 2016	RVCE

58	TEQIP-II sponsored workshop Accreditation Process for Faculty	COs, PSOs and their attainment	June 17, 2016	CUSAT, Cochin
59	Two sessions during the OBE workshop	Course Outcomes: Expectations	June 6-7, 2016	Chittoor
60	One session during the OBE workshop	Course Outcomes: Expectations	February 26, 2016	Coimbatore
61	NAAC sponsored OBE workshop	COs definition	February 15, 2016	BMSCE
62	One session during the OBE workshop	Course Outcomes: Expectations	January 10, 2016	DY Patil, Pune
63	Pre-conference workshop by InPods during	Beyond OBE	January 9, 2016	ICTIEE 2016, Pune
64	One Session during TEQIP-II sponsored session	Defining Course Outcomes and their assessments	December 31, 2015	RVCE
65	One session during the OBE workshop	Course Outcomes: Expectations	December 22, 2015	SVCE Tiruvallur
66	One session during the OBE workshop	Defining Course Outcomes and their assessments	August 3, 2015	BMSCE
67	ASEE IUCEE India chapter	Presentation on the BMSCE-IUCEE association	June 16, 2015	Seattle, USA
68	International Forum, IUCEE session of ASEE	One of the members of the Panel	June 14, 2015	Seattle, USA
69	One session during the Pre-conference workshop on OBE	ICTIEE-2015, International Conference on Transformations in Engineering Education	January 5, 2015	BMSCE
70	One Key Note Address	MITE-2014, IEEE International Conference on MOOC, Innovation and Technology in Education (MITE)	December 19, MITE 2014	Patiala
71	A member on the Plenary Session	WEEF 2014; World Engineering Education Forum	December 3, 2014	Dubai
72	OBE	IUCEE National webinar series	IUCEE	On-line

73	IUCEE webinar for consortium members	The teaching learning process in Outcome Based Education	August 27, 2014	BMSIT
74	Introducing LabVIEW in Engineering Education	IUCEE National webinar series (http://youtu.be/N4LX6F3Ees0)	June 18, 2014	Bangalore
75	VGST sponsored ONE week FDP, by AIT, Chickmagalur	Digital Communication using Labview	May 31, 2014	AIT Chickmagalur
76	One session during the one week TEQIP sponsored FDP	Wavelet transforms and its applications in signal processing	June 4, 2013	RVCE
77	Webinar Talk during the launch of the 3 rd session of Wednesday webinar series	LabVIEW in Undergraduate Engineering	May 8, 2013	National Instruments
78	National Conference on Emerging Trends in Electronics, Communication and Computational Intelligence'	Delivered Keynote address	March 20, 2013	VIT
79	Two day student workshop on LabVIEW conducted in association with IETE, IMAPS and National Instruments	Key Note Address, followed by all THREE sessions for the day on 'LabVIEW'	February 7, 2013	RNSIT
80	TWO Faculty workshop on LabVIEW	One session on Analog and Digital Communication using LabVIEW	January 31, 2013	HKBK College of Engg
81	'Analog System Design-Educators Workshop',	Presentation on Analog and Digital Communication using the ASLK	January 27 to 28, 2013	Conducted by Texas Instruments,
82	Educators Day, 2012	Short presentation during the Key Note Address	October 17, 2012	Chennai Trade Center, Chennai
83	Educators Day by National Instruments, 2011	One of the Panel Members during the Panel Discussion	October 13, 2012	Nimhans Convention Center Bangalore
84	VTU Sponsored workshop on 'Hands on Experience for AC+LIC Lab using LA'BVIEW	Handled the fore-noon session	February 16, 2012	AMC, Bangalore

85	Invited lecture for students and faculty of Telecommunication Engineering of BMSIT	Introduction to LabVIEW programming	August 23, 2011	BMSIT
86	FDP on 'Analog and Digital Electronics using LabVIEW'	Handled THREE sessions of THREE hours each	July 29 to 30, 2011	BMSCE
87	AICTE sponsored FDP on 'LabVIEW and its Applications in Engineering'	Handled SEVEN sessions of 90 minutes each	July 11 to 16, 2011	BMSCE
88	VTU sponsored Faculty development program, organized by Department of Medical Electronics	NIR imaging for early cancer detection	January 22, 2011	BMS College of Engineering, Bangalore
89	India LabVIEW conference 2010	Communication using LabVIEW	October 12, 2010	NIMHANS convention center, Bangalore
90	One day workshop	Advances in wireless Communication	April 30, 2010	R Jallappa Institute of Technology, Doddaballapura
91	IUCEE Faculty training program	Advanced Signal Processing	July 7 to 8, 2010	KLE, Vijayawada
92	IUCEE Faculty training program	DSP using LabVIEW	July 5 to 6 2010	SVCEW, Bhimavaram
93	VTU-EDUSAT Program-10, E-learning initiative by VTU, in association with ISRO	Selected to deliver 11 lectures on 'Signals & Systems'	February 16 to March 11 2009	Bangalore
94	Seminar	Novel reconstruction algorithms in Diffuse optical tomography	December 23, 2009	SERC, Indian Institute of Science, Bangalore
95	Five-day TEQIP sponsored workshop	Introduction to Matlab: Hands-on	February 9, 2009	MSRIT, Bangalore

Training Programs/ Workshops Attended

Sl.No.	Nature of Program	Title of program	Date	Venue
1	CEP	Artificial Neural networks and their applications	January 24 to 28, 1994	IIT Bombay
2	AICTE sponsored course	Telematics	June 10 to 12, 1997	IISc, Bangalore
4	Two semester intensive course	French	1991	IIT Kanpur
3	Workshop	Digital Signal Processing DSP 563xx family	October 2000	BMSCE
4	Workshop by Shiv Khara's	Blue Print for Success	December 27 to 29, 2006	MSRIT, Bangalore
5	IUCEE FDP program	Signals & Systems & Processing, by Prof. Sidney Burrus, Rice University, USA	July 6 to 10, 2009	Infosys campus, Mysore
6	Quality Improvement Programme	LabVIEW and its applications	November 2 to 6, 2009	NITTTR, Chennai
7	VTU sponsored	Learning Management Systems	March 26 to 27, 2010	Nagarjuna College of Engineering, Doddballapur
8	Training	LabVIEW machine vision	July 29 to 30, 2010	National Instruments Pvt. India Ltd, Bangalore
9	National conference by National Instruments	Educators Day 2010	December 14, 2010	Chennai
10	Short Course	OFDM Based 4G Cellular Standards: LTE and WiMAX	May 9 to 11, 2011	IIT Kanpur
11	Training	GUI development in Matlab	May 9, 2012	Mathworks India Pvt. Ltd
12	Training	Signal Processing using Matlab	June 25 to 26, 2012	Mathworks India Pvt. Ltd
13	AICTE sponsored one week FDP	'Matlab Programming Concepts'	July 31 to August 7, 2012	BMSCE (ONE WEEK)
14	Workshop	Empowering Teachers and Trainers, during IDA Connect The Education & Training Forum	January 17, 2013	Hotel Lalith Ashok
15	India Platform program	India Platform Match Making Event	April 2 to 3, 2013	Amritha College
16	Training	NBA Accreditation Process	April 29; May 9 to 11, May 2013	PESIT

17	Congress	Indian Technology Congress 2013 towards making India a hub of knowledge and innovation	July 24 to 25, 2013	NIMHANS, Bangalore
18	Training	Tektronix sponsored Training on Beta version of DSO	August 21, 2013	BMSCE
19	Workshop	Pre-Conference Workshop on 'Exploring Engineering Education Research' organized during MITE-2013	December 20-22, 2013 (forenoon)	Jaipur
20	Workshop	Pre-Conference Workshop on 'Principles and Practices of learning for effective teaching', organized during MITE-2013	December 20 to 22, 2013 (afternoon)	Jaipur
21	Training	MHRD Sponsored NMEIT workshop on 'Signals and Systems'	January 2 to 12, 2014	BMSCE
22	Workshop	Pre-conference workshop of ICTIEE 2014 on 'Supporting Students for Effective Implementation of Student Centered Learning',	16-18, January 2014	Hubli
23	Workshop	Global Faculty Development Workshop by National Instruments by Dr Robert Heath, UT Austin, on Physical Layer Systems	February 2, 2014	IIT Jodhpur
24	Workshop	TEQIP-II Sponsored workshop on Classical Control Theory and Design using Matlab/Simulink	May 22 and 23, 2014	BMSCE
25	On-Line Training Program	MOOC on MOOC, by Center for Development of Technical Education, IIT Kanpur, COL Knowledge Incubation for TEQIP	September 5 to October 12, 2014	MOOC
26	Workshop on 5G Technology	Conducted by IEEE Bangalore Section	May 22 to 23, 2015	The Capitol, Bangalore
27	Conference	ASEE conference	June 14 to 17, 2015	Seattle
28	TEQIP-II Sponsored Short Term Course	Telecom Management-Current and Emerging by Organized by Bharti School of Telecommunication Technology and Management	August 20 to 21, 2015	IIT Delhi

29	Executive Training Program conducted by Indian Institute of Management	Management Capacity Enhancement Program for Administrative Heads of Higher Educational Institutions'	Januray 18 to 22, 2016.	IIM B
30	Workshop	Interactive workshop by NBA at Habitat Center	March 21, 2016	New Delhi
31	Workshop	Orientation Workshop on Outcome Based Education and Accreditation for Programme Evaluators (PEVs) by NBA at held Anna University, Chennai on 21st May, 2016	May 21, 2016	Chennai
32	Two days Workshop	CDIO	February 27 to 28, 2020	BMSCE
33	Two days Workshop	Enhancement of Curriculum through CDIO	June 24 to 25, 2020	BMSCE
34	Online session on Virtual Labs	Effective tools for Testing and Learning	July 10, 2020	Cummins College of Engineering For Women Nagpur
35	Two weeks online Course	Data Science & Analytics	January 11 to 23, 2021	IIT-Gandhinagar
36	AICTE Training And Learning (ATAL) Academy Online Elementary FDP	Insight to U.S Baldrige Education Performance Excellence Framework	August 2 to 6, 2021	B V V S Polytechnic(A utonomous), Bagalkot
37	AICTE Training And Learning (ATAL) Academy Online Elementary FDP	Signal Processing and Machine Learning towards Engineering Applications	August 23 to 27, 2021	North Eastern Regional Institute of Science and Technology(N ERIST)

Conferences Attended

Sl.No.	Participation/ Paper presentation	Title of Conference	Date	Venue
1	One paper Presentation (online)	The Learning Ideas Conference	June 15, 2023	New York (online)
2	Conduction of a pre-conference Workshop	REV 2022	February 28, 2022	Egypt (online)
3	Conduction of a pre-conference Workshop	ICTIEE 2023	Januray 5 to 8, 2023	Mysore
4	Paper presentation: TWO	WOSA by NBA	September 7 to 9, 2018	New Delhi
5	Paper presentation: ONE	Liberal Arts and the Future of University	June 10 to 11, 2016	Bangalore
6	Paper presentation: TWO	WOSA by NBA	March 18 to20, 2016	New Delhi
7	Paper presentation: TWO	MITE-2015, IEEE International Conference on MOOC, Innovation and Technology in Education (MITE)	October 1 to 2, 2015	Amritsar
8	Invited	ASEE conference	June 14 to 17, 2015	Seattle
9	Coordinator and Paper presentation: ONE	ICTIEE-2015, International Conference on Transformations in Engineering Education	January 6 to 8, 2015	Bangalore
10	Participation	National Conference on Communications, NCC 2015 at IIT Mumbai	February 27 to 1 March, 2015	Mumbai
11	Paper presentation: TWO	MITE-2014, IEEE International Conference on MOOC, Innovation and Technology in Education (MITE)	December 19 to 20, 2014	Patiala
12	Plenary Talk; Session Chair; Paper presentation: TWO;	WEEF 2014; World Engineering Education Forum	December 3 to 6, 2014	Dubai
13	Paper presentation: ONE	2nd World Summit on Accreditation, WOSA 2014, conducted by NBA	March 9 to 10, 2014	Delhi

14	Paper presentation: ONE	ICTIEE-2014, International Conference on Transformations in Engineering Education	January 16 to 18, 2014	Hubli
15	Paper presentation: TWO	MITE-2013, IEEE International Conference on MOOC, Innovation and Technology in Education (MITE)	December 20 to 22, 2013	Jaipur
16	Paper presentation: ONE	International Conference on 'Women Empowerment: Global Perspective', by EAST (Environmental Advisory for Sustainable Trust), held at Vivekanandra Kendra	September 27 to 28, 2013	Kanniyakumari
17	Paper presentation: TWO	IEEE Signal processing society: 14th DSP Workshop & 6th SPE Workshop, Enchantment Resort	January 4 to 7, 2011	Sedona, Arizona, USA
18	Paper presentation: ONE	Annual Convention & National Conference	December 18 to 20, 2010	NIT Suratkal
19	Paper presentation: ONE	Communication using LabVIEW	October 12, 2010	NIMHANS convention center
20	Paper presentation: TWO	IEEE Signal processing society: 13th DSP Workshop & 5th SPE Workshop, Marco Island	January 4 to 7, 2009	Florida, USA
21	Paper presentation: ONE	IET, International conference on Wireless, Mobile and Multimedia Networks	January 11 to 12, 2008.	Mumbai, India,
22	Participation	The IISc Centenary conference	December 13 to 16, 2008	IISc, Bangalore
23	Paper presentation: ONE	IEEE International workshop on Biomedical circuits & Systems, BioCAS 2004, S2 2-17 to S2 2-20	December 1 to 3, 2004	Singapore

Courses Taught	<ul style="list-style-type: none">• Continuous Time Signal Processing• Discrete Time Signal Processing• Signals and Systems• Digital Signal Processing• Analog Communication• Digital Communication	
Professional Body Memberships		
	Professional Body	Membership Number
	Indian Society for Technical Education	LM 32801
	Life Member, J R D Tata Memorial Library, IISc, Bangalore	1952 A
	Senior Member, IEEE	90436187
	Fellow IETE	F-503084