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RESEARCH INTERESTS

- Cryptography, Copyright Protection, Image and Video Analytics, Machine Learning, Biometrics

CERTIFICATIONS

1. Digital Image Processing of Remote Sensing Data, September 2017, 4 weeks course **NPTEL MOOC** from **IIT Roorkee, India. (Topper with 92% score).**
2. **Introduction to Remote Sensing**, March 2017, 4 weeks course **NPTEL MOOC** from **IIT Roorkee, India. (Topper with 86% score).**
3. **Estimation for wireless communication, MIMO, OFDM, Cellular and Sensor Networks** on March 2016, 8 weeks **NPTEL MOOC** from **IIT Madras, India. (Topper with 97% score).**
4. **Machine Learning**, on 14th October 2016, 11 weeks online Course, **Stanford University, Coursera. (96% Grade)**
5. **Biometric Technologies Identification for the Future** on 4 April 2016, 4 weeks MOOC on conducted by Canvas Network.

RESEARCH PUBLICATIONS (INTERNATIONAL JOURNALS/CONFERENCES/BOOK CHAPTERS):

Summary:

- **Google Scholar Citations: 209**
- **h-index: 8**
- **i-10 index: 4**
- **Research Gate Score: 12.27**
- **Scopus Indexed Publications: 16**
- **Patents Filed:- 1**
- **Funded Projects: 4**
- **Invited Talks: 2**
- **Books: 2**
- **Edited Books : 2**
- **Guest Editorial: 2**
- **Book Chapters in Edited Books: 11**
- **International Journal Publications: 16**
- **International Conference Publications: 16**
- **National Conference Publications: 5**

FUNDS AND GRANTS RECEIVED:

- **Funding Agency : Government of Karnataka, Vision Group on Science and Technology, Department of Information Technology, Biotechnology and Science and Technology**
Scheme : SEED MONEY TO YOUNG SCIENTISTS FOR RESEARCH (SMYSR)
Title of Proposal : Design and Development of Bio-Inspired Algorithms for Confidential Medical Image Communication.
Budget : Rs 5, 00,000/-
Status : Ongoing
- **Funding Agency : Institution of Engineers (India)**
Scheme : IE (I) R&D Grant in aid of Rs 50,000
Title of Proposal : Automatic Blister Pack Quality Monitoring System for SMPFs
Budget : Rs 50,000/-
Status : Completed
- **Funding Agency : Karnataka State Council for Science and Technology (KSCST)**
Scheme : Students Project Proposals 39th Series
Title of Proposal : Automatic Blister Pack Quality Monitoring System for Small and Medium Pharmaceutical Firms
Budget : Rs 5,000/-
Status : Completed
- **Funding Agency : Karnataka State Council for Science and Technology (KSCST)**
Scheme : Students Project Proposals 40th Series
Title of Proposal : Design and Implementation of Highly Secure Medical Record Communication Algorithms For Telemedicine Applications
Budget : Rs 5,000/-
Status : Completed

INVITED TALKS/GUEST LECTURES: 2

- Delivered Guest Lecture on "**Image Processing for Remote Sensing Applications**", on 12th August 2017, at Geethanjali Institute of Science and Technology, Nellore, Andhra Pradesh.
- **Invited** to present research paper entitled "**AADHAR Integrated Biometric Vigilance System- A digital measure to curb malpractices in entrance tests**" in **Young Scientists' Meet, India International Science Festival, IIT Delhi organized by the Department of Science and Technology (DST), Government of India, 4th-8th December, 2015, Paper ID: Indig298.**

AWARDS/RECOGNITIONS

- "**Distinguished Educator & Scholar Award**" by National Foundation for Entrepreneurship Development (NFED) on 8th March 2018, Coimbatore, India.
- "**Woman Achiever's Award**" from Institution of Engineers IE (I), Karnataka State Centre on 8th March 2017.
- "**Best Young Women Scientist**" award (2016) by Pearl Foundation, Madurai, India on 10th December 2016, for outstanding achievements in Electronics and Communication Engineering.
- "**Young Woman Achiever**" award (2016) by Venus International Foundation, Chennai, India on 5th March 2016, for contribution in Copyright Protection of Images.
- "**Best paper award**" for paper entitled "Automatic tablet pack quality monitoring system for Small scale Pharmaceutical firms" at National Conference, Hosur, Tamilnadu.
- "**Best paper award**" for paper entitled "Smart Attendance Management System" at National conference, Bangalore, Karnataka.

Patents: 1

Patent invention number: 5747/CHE/2015 **[Filed]**

Filed on: 26 Oct 2015

Title: Video Input based System for Warning Anomalies and Automating Attendance of Students

Books: 2

1. Rohit Thanki, Surekha Borra, "**Medical Imaging and its Security in Telemedicine Applications**", SpringerBriefs in Applied Sciences and Technology, Springer – [ISBN 978-3-319-93311-5] [ISSN: 2191-530X] Scopus Indexed
<https://www.springer.com/series/8884>
2. Rohit Thanki, Komal Borisagar, Surekha Borra, "**Advanced Compression and Watermarking Techniques for Speech Signals**", Springer Briefs in Speech Technology, Springer – [ISBN 978-3-319-69069-8, 978-3-319-69068-1] [DOI : 10.1007/978-3-319-69069-8]
<https://www.springer.com/in/book/9783319690681>

Edited Books: 2

1. Nilanjan Dey, Amira. S. Ashour, Surekha Borra, "Classification in BioApps- Automation of Decision Making" Lecture Notes in Computational Vision and Biomechanics (LNCVB Series), Series Volume 26, Springer – [ISBN 978-3-319-65980-0 ISBN 978-3-319-65981-7 (eBook)
<https://doi.org/10.1007/978-3-319-65981-7> [Scopus Indexed]
2. Nilanjan Dey Amira Ashour Simon James Fong Surekha Borra, " U-Healthcare Monitoring Systems, 1st Edition, Volume 1: Design and Applications, Elsevier, **ISBN: 9780128153703** [Due: September 1, 2018]
<https://www.elsevier.com/books/u-healthcare-monitoring-systems/dey/978-0-12-815370-3>

Book Chapters in Edited Books: 11

1. Rohit Thanki, Surekha Borra , Komal Borisagar, "A Hybrid Watermarking Technique for Copyright Protection of Medical Signals in Teleradiology", Handbook of Research on Information Security in Biomedical Signal Processing, Chapter 17, pp.320-349, 2018, [ISBN: 9781522551522].
2. B. Surekha, Nilanjan Dey, Amira. S. Ashour, "Video Text Extraction and Mining", Mining Multimedia Documents, **Chapter 13, pp.173-192, 2017. CRC Press/ Taylor and Francis Group**, [ISBN 9781138031722]
3. B Surekha, Kanchan Nazare Jayant, ViswanadhaRaju S, Nilanjan Dey, "Attendance Recording System Using Partial Face Recognition Algorithm", Intelligent techniques in signal processing for multimedia security, **Springer Studies in Computational Intelligence (SCI) series, Vol. 660, 2017, Chapter 13, pp.293-319**, [EBook ISBN: 978-3-319-44790-2]- Scopus Indexed
4. Lakshmi H R, B Surekha, ViswanadhaRaju S, "Real Time Implementation of Reversible Watermarking", Intelligent techniques in signal processing for multimedia security SCI Series: Vol. 660, 2016, **Springer Studies in Computational Intelligence (SCI) series, Vol. 660, 2017, Chapter 5, pp.113-132**. [EBook ISBN: 978-3-319-44790-2]-Scopus Indexed
5. B. Surekha, S. Viswanadha Raju, Lakshmi HR, "Visual Cryptography based Lossless Watermarking for Sensitive Images", **SEMCCO 2015, Springer series on Lecture Notes in Computer Science (LNCS), Vol. 9873, Chapter 3, pp.29-39, 2016**. [Ebook ISBN 978-3-319-48959-9]-Scopus Indexed

6. Rohit Thanki, Surekha Borra, Nilanjan Dey, Amira S. Ashour, "Introduction to Medical Imaging and Objective Quality Assessment Techniques, **Studies in LNCVB Series, Springer, Chapter 1, pp.3-32**, [EBook ISBN 978-3-319-65981-7]- Scopus Indexed
7. Padmavathi Kora, Ambika Annavarapu, Surekha Borra: "**ECG based Myocardial Infarction Detection using Hybrid Classification Techniques**", **Studies in LNCVB Series, Springer, Chapter 3**, pp.57-78, [EBook ISBN 978-3-319-65981-7]- Scopus Indexed
8. Pragati Pukkela, Surekha Borra, "Machine Learning based Plant Leaf Disease Detection and Severity Assessment Techniques: State-of-the-Art, **Studies in LNCVB Series, Springer, Chapter 8**, pp. 199-226, [EBook ISBN 978-3-319-65981-7] -Scopus Indexed
9. Ambika Annavarapu, Surekha Borra , Padmavathi Kora, "ECG signal Dimensionality Reduction based Atrial Fibrillation Detection", **Studies in LNCVB Series, Springer, Chapter 14**, pp.383-406, [EBook ISBN 978-3-319-65981-7] -Scopus Indexed
10. Vidyasree P1, Madhavi Gudavalli2, Viswanadha Raju S 3, Surekha Borra, "A BioApplication for Accident Victims' Identification using Biometrics", **Studies in LNCVB Series, Springer, Chapter 15**, pp.407-447, [EBook ISBN 978-3-319-65981-7] -Scopus Indexed
11. Madhavi Gudavalli, Viswanadha Raju S, Vidya sree P, **Surekha Borra** , Secured Optimal Cost Approach for Bimodal Deep Face Recognition in IoT and its Applications , Handbook of Research on Big Data Management and the Internet of Things for Improved Health Systems, IGI Global, USA, Chapter 10, pp.163-175. [DOI: 10.4018/978-1-5225-5222-2.ch010]

International Journal Publications: 16

1. Sneha.P.K, Rabichith, Sri Nithya S, Surekha Borra, " Crowd Density Estimation Using Image Processing: A Survey", International Journal of Applied Engineering Research ISSN 0973-4562 Volume 13, Number, pp. 6855-6864, 2018.
2. Rohit Thanki, Surekha Borra, "A Color image steganography in hybrid FRT–DWT domain", Journal of Information Security and Applications, vol. 40,pp. 92–102, 2018.[ISSN: 2214-2134], [DOI: 10.1016/j.jisa.2018.03.004] -Scopus Indexed
3. Surekha Borra, Rohit Thanki, Nilanjan Dey, Komal Borisagar, "Secure Transmission and Integrity Verification of Color Radiological Images using Fast Discrete Curvelet Transform and Compressive Sensing", *Smart Health*, <https://doi.org/10.1016/j.smhl.2018.02.001>, Received date: 25 November 2017, Revised date: 15 January 2018, Accepted date: 23 February 2018, Available Online on 25 February 2018.
4. Rohit Thanki, Vedavyas Dwivedi, Komal Borisagar, Surekha Borra, "A Watermarking Algorithm for Multiple Watermarks Protection Using RDWT-SVD and Compressive Sensing", **Informatica: An International Journal of Computing and Informatics**, Vol. 41, No.4, Dec 2017 ,pp. 479–493.[ISSN: 03505596]-[Scopus Indexed]
5. Surekha Borra, Lakshmi H.R., Nilanjan Dey, Amira S. Ashour, Fuqian Shi, "Digital Image Watermarking Tools: State-of-the-Art", **Frontiers in Artificial Intelligence and Applications**, Vol.296, pp.450-459, 2017 [ISSN: 09226389][DOI: 10.3233/978-1-61499-785-6-450] -Scopus Indexed
6. Rohit Thanki, Surekha Borra, Vedavyas Dwivedi, Komal Borisagar, "A RONI based Visible Watermarking Approach for Medical Image Authentication", **Journal of Medical Systems, Springer, Vol41:143,2017** [DOI: 10.1007/s10916-017-0795-3][ISSN: 0148-5598]-Scopus Indexed
7. Rohit Thanki, Surekha Borra, Vedavyas Dwivedi, Komal Borisagar, "A Steganographic Approach for Secure Communication of Medical Images based on DCT-SVD and Compressed Sensing (CS) Theory", **Imaging Science Journal, Taylor & Francis**, Vol. 65, Issue 8, pp.457-467, 2017. [DOI: 10.1080/13682199.2017.1367129][ISSN: 13682199] -Scopus Indexed
8. Rohit Thanki, Surekha Borra, Vedvyas Dwivedi, Komal Borisagar, "An Efficient Medical Image

- Watermarking Scheme based on FDCuT – DCT”, **Engineering Science and Technology, an International Journal, Elsevier**, Vol.20, No.4, pp. 1366-1379, 2017. [DOI: 10.1016/j.jestch.2017.06.001 2215-0986] [ISSN: 2215-0986] -Scopus Indexed
9. Sivaranjani Reddi, Surekha Borra, Identity-based Signcryption Groupkey Agreement Protocol Using Bilinear Pairing, **Informatica: An International Journal of Computing and Informatics**, Vol 41, Issue 1, pp. 31–37, 2017. [ISSN: 03505596]-Scopus Indexed
 10. B.Surekha, Dr.G.N.Swamy, “Sensitive Digital Image Watermarking for Copyright Protection”, *International Journal of Network Security (IJNS)*, Vol. 15, No. 2, pp. 95-103, March 2013. [ISSN 1816-353X] -Scopus Indexed
 11. B.Surekha, Dr.G.N.Swamy, “Visual Secret Sharing Based Digital Image Watermarking”, *International Journal of Computer Science Issues (IJCSI)*, Vol. 9, Issue 3, No 2, pp.312-317, May 2012. [ISSN: 16940814]
 12. B.Surekha, Dr.G.N.Swamy, “A Spatial Domain Public Image Watermarking”, *International Journal of Security and Its Applications (IJSIA)*, Vol. 5, No. 1, pp.1-11, January, 2011. [ISSN:1738-9976]
 13. B.Surekha, Dr.G.N.Swamy, Dr.K.Srinivasa Rao, “A Multiple Watermarking Technique for Images based on Visual Cryptography”, *International Journal of Computer Applications (IJCA)*, ISSN 0975-8887, Vol. 1, No 11, pp 78-82, 2010.
 14. B.Surekha, Dr.G.N.Swamy, Dr.K.Srinivasa Rao, A.Ravi Kumar, “A Watermarking Technique based on Visual Cryptography”, *International Journal of Information Assurance and Security(IJIAS)*, ISSN 1554-1010, Dynamic Publishers, USA, Vol. 4, Issue 6, pp. 470-473, 2009.
 15. Siri.T.Bhat, B. Surekha, Shreesha Raghavan, "Sparsh Glove: A Gesture-Based Hardware Control for a Multipurpose Wheelchair", *International Journal of Computer Sciences and Engineering*, Vol.4, No.3, pp. 87-90, 2016.
 16. B.Surekha, Ratish Rao N, "Automatic Tablet Pack Quality Monitoring System for Small Scale Pharmaceutical Firms", *International Journal of Engineering Research & Science*, Vol-2, Issue-3, pp. 73-79, March 2016.

International Conference Publications: 16

1. Kranti Budigi, Surekha Borra, "Real-time Facial Recognition using Deep Learning and Local Binary Patterns", **Springer International Conference on Ethical Hacking- (eHaCoN-2018)**, Institute of Engineering & Management, Kolkata, West Bengal, India, April 6th-7th, 2018.
2. Raksha Ghosh, Pragathi R, Ullas S, Surekha Borra, "Intelligent Transportation Systems: A Survey", **Second IEEE International conference on Circuits, Controls and Communications (C-CUBE-2017)**, R N Shetty Institute of Technology, Bengaluru, 15-16 Dec 2017, pp.160-165.
3. Ritu P Simha, Sri nithya S, Sneha P K, Rabichith, B. Surekha, "Array-based Graphical Password Authentication", **McGraw-Hill** International conference on Signal, Image Processing, Communication & Automation (ICSIPCA-2017), JSS Academy of Technical Education, Bengaluru, 6th & 7th July, 2017, pp.271-275.
4. Siri.T.Bhat, B. Surekha, "Sparsh Glove: A Gesture-Based Hardware Control for a Multipurpose Wheelchair", *International Conference on Computer science & Technology allies in research, (ICSTAR-16)*, City Engineering College, Bangalore, 27th -28th April 2016.
5. Nazare Kanchan Jayanth, B. Surekha, "Attendance Management System Using Hybrid Face Recognition Techniques", **IEEE Conference on Advances in Signal Processing**, MKSSSS's Cummins College of Engineering for Women, Pune, 9th- 11th June 2016, pp.412-417.
6. B. Surekha, Lakshmi HR, "Asynchronous Implementation of Reversible Image Watermarking using Mousetrap Pipelining", **6th IEEE International Advance Computing Conference (IACC - 2016)**, S R K R Engineering College, Bhimavaram, Andhra Pradesh, India, 27-28 February 2016, pp. 529-533.
7. B. Surekha, S. Viswanadha Raju, Lakshmi HR, “Visual Cryptography based Lossless Watermarking for Sensitive Images”, 6th International Conference on Swarm, Evolutionary and Memetic

- Computing (SEMCCO 2015), CMR Technical Campus, Hyderabad, 18th -19th December 2015, **Springer, LNCS 9873**.
8. B.Surekha, S. Viswanadha Raju, "AADHAR Integrated Biometric Vigilance System- A digital measure to curb malpractices in entrance tests", **India International Science Festival- Young Scientists' Meet, Department of Science and Technology, Government of India , IIT Delhi**, 4th-8th December, 2015, pp. Indig298-1-5.
 9. B. Surekha, P. Ravi Babu, G.N. Swamy, "Security analysis of a novel copyright protection scheme using visual cryptography, **IEEE International conference on computing and communication technologies**, Osmania University, Hyderabad, Dec. 11-13, 2014, pp.1-5
 10. G. N. Swamy, B. Surekha, "Lossless Watermarking Technique for Copyright Protection of High Resolution Images", **IEEE TENSYP'2014**, Kaula Lumpur, Malaysia, April 14-16, pp. 73-78, 2014.
 11. B.Surekha, Dr.G.N.Swamy, "A Semi-blind Image Watermarking based on Discrete Wavelet Transform and Secret Sharing," **IEEE International Conference on Communication, Information and Computing Technology (ICCICT-2012)**, Sardar Patel Institute of Technology, Mumbai, October 18-19,pp.1-5, 2012.
 12. B.Surekha, Dr.G.N.Swamy, Dr. K. Rama Linga Reddy, "A Novel Copyright Protection Scheme based on Visual Secret Sharing," Third **IEEE International Conference on Computing, Communication and Networking Technologies (ICCCNT'12)**, SNS College of Engineering, Coimbatore, July 26-28, pp.1-5, 2012.
 13. B.Surekha, Dr.G.N.Swamy, "Digital image Ownership Verification based on Spatial Correlation of Colors," **IET Conference on Image Processing (IET IPR-2012)**, University of Westminster, London, UK, July 3-4, pp. 1-5, 2012.
 14. B.Surekha, Dr G.N.Swamy, "Resolving Rightful Ownership using the Concept of Visual Cryptography", International Conference on Systemics, Cybernetics and Informatics (ICSCI-2009), Pentagram Research Centre(P) Ltd., Hyderabad, January 7 -10, pp.429-431, 2009.
 15. B.Surekha, Dr G.N.Swamy, Dr.A.V.N.Tilak, M.Kama Raju, "MATLAB Implementation of AES-128 algorithm for Secure Image Transfer", International Conference on Modeling and Simulation (CIT ICOMS-2007), Coimbatore Institute of Technology, Coimbatore, Aug 27- 28th , 2007.
 16. B.Surekha, Aishwarya .N, Vijay Kumar, "Intelligent Street Light system", 4th IRF International Conference, Cochin, 19th April 2015, pp. 82-84.

National Conference Publications: 5

1. B. Surekha, Vandana. M.V, Vinutha.R, Vidya.H.S, V.S. Harathi, "Device to assist Alzheimer's Patient", National Conference on Recent Trends & Applications In Electrical & Electronics Engineering, K.S. Institute of Technology, Bangalore, 10th-12th May 2017, pp. 103-108, ISBN: 97881-929425-0-6.
2. B.Surekha, Renuka V Thali, "Review of Segmentation Techniques in Microscopic Blood Smear Images", National Conference on Recent trends in Electronics and Communication-2016, Global Academy of Technology, Bangalore, 5th May 2016.
3. Ratish Rao, B.Surekha, "Automatic Tablet Pack Quality Monitoring System for Small Scale Pharmaceutical firms", National conference on Information, Communication , VLSI and Embedded System, 16-17 March, 2016, Adhiyamaan College of Engineering, Hosur, Tamilnadu. (Received Best paper award)
4. Nazare Kanchan Jayanth, B. Surekha, "Smart Attendance Management System", 4th National Conference on Advanced Communication, VLSI Design and Signal Processing (NCCVS-16), K. S. School of Engineering and Management, Bangalore, 28th April 2016.
5. Aravind Baliga, B. Surekha, "Multifunction Constant Health Monitoring Sweat Band", National Conference on Green Computing Technologies(NCGCT-2015), Dayananda Sagar Academy of Technology and Management, Bengaluru, 7th May, 2015.

PhD GUIDANCE: 4

- Lakshmi H R, "Content Protection of Digital Images through Lossless Watermarking", Viswesvaraya Technological University (VTU), Belgaum, Karnataka, India.
- Pragathi P, "Automatic Detection and Estimation of Plant Leaf Diseases based on Hybrid Machine Learning Approaches for Precision Agriculture", Viswesvaraya Technological University (VTU), Belgaum, Karnataka, India.
- Renuka V Tali, "Intelligent White Blood Cells Classification in Microscopic Blood Smear Images using Optimum Machine Learning Techniques", Viswesvaraya Technological University (VTU), Belgaum, Karnataka, India.
- Venkata Kranthi B, "Human Tracking and Re-identification for Automation of Video Surveillance Systems", Viswesvaraya Technological University (VTU), Belgaum, Karnataka, India.

PROFESSIONAL SOCIETIES MEMBERSHIP:

- Life Member of IE (I)-M-152010-5
- Life Member of ISTE-LM60827
- Life Member of IETE-M209768L
- Life Member of CSI- India : I1510365
- Life Member of NFED: MEM/LM/NFED/56/12/2017

INTERNATIONAL & NATIONAL RECOGNITIONS:

GUEST EDITORIAL

- Special Issue on "**Content Protection and Management in E-commerce: Approaches to Multimedia Security**" in **Journal of Global Information Management (JGIM)**, IGI Global, US, Vol.25, Issue 4, 2017.
- Special Issue on "**End-user Privacy, Security, and Copyright issues**" in **Informatica: An International Journal of Computing and Informatics, Europe**, Vol.41, Issue 1, 2017.

REVIEWER (JOURNALS)

- IEEE Access, IET Image Processing
- Imaging Science Journal-Taylor & Francis
- Computer Standards & Interfaces (CSI)- Elsevier
- Information Sciences (INS)- Elsevier
- Journal of Systems and Software (JSS)- Elsevier
- Journal of Information Security and Applications (JISA)- Elsevier
- International Journal of Synthetic Emotions (IJSE) - IGI Global
- International Journal of Ambient Computing and Intelligence (IJACI) -IGI Global

REVIEWER (CONFERENCES)

- **IEEE International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT-2016)**, GSSS Institute of Engineering and Technology for Women, Mysore, India, 15th-16th December 2017.
- **3rd Springer International Conference on Next Generation Computing Technologies (NGCT-2017)**, School of Computer Science & Engineering University of Petroleum & Energy Studies, Dehradun, 30th and 31st October,2017,
- **Second International Conference on Smart Trends for Information Technology and Computer Communications (SmartCom 2017)**, 18-19 August, 2017, Pune.

- **7th IEEE International Advance Computing Conference (IACC-2017)**, VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad, Telangana, India, 5th-7th January 2017.
- **IEEE International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICECCOT-2016)**, GSSS Institute of Engineering and Technology for Women, Mysore, India, 9th-10th December 2016.
- Scientific committee member of **The 7th Springer International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (SETIT 2016)**, Hammamet - Tunisia, 18th - 20th December 2016.
- **6th IEEE International Advance Computing Conference (IACC-2016)**, S R K R Engineering College, Bhimavaram, Andhra Pradesh, India, 27th -28th Feb 2016.
- **International Conference on Advanced Trends in VLSI and Signal Processing (ICAVSP-2014)**, K.S. Institute of Technology, Bangalore, India, 13th -14th August 2014.
- **National Conference on Recent Trends & Applications in Electrical & Electronics Engineering (NCRTAEEE-2017)**, K.S. Institute of Technology, Bangalore, India, 10th -12th May 2017.
- **National Conference on Communications, Signal Processing and Networking, (NCCSN 2017)**, Bangalore, India, 20th – 21st April 2017

SESSION CHAIR (CONFERENCES):

- Judged the "Mega National Level Dr.AIT Techno exhibition", 14th April, 2016, Dr. Ambedkar Institute of Technology, Bangalore.
- Chaired Third *National Conference on "Electronics, Signals & Communication (NCESC-18)" on 17th May 2018 in association with IEEE Bangalore Section* and the International Journal of Engineering Research and Technology (IJERT) on the occasion of *"World Telecommunication and Information Society Day-WTISD"* .
- Chaired Signal Processing session at 6th IEEE International Advance Computing Conference (IACC - 2016) held at S R K R Engineering College, Bhimavaram, Andhra Pradesh, India on 27th-28th February 2016.
- Chaired the Digital Signal Processing session at 3rd National Conference on Advanced Communication, VLSI Design and Signal Processing (NCCVS-15), organized by the Department of Electronics and Communication Engineering, KSSEM, Bangalore, on 29th April 2015.
- Chaired the Signal Processing session at 2nd National Conference on Advanced Communication, VLSI Design and Signal Processing (NCCVS-14), organized by the Department of Electronics and Communication Engineering, KSSEM, Bangalore, on 15th May 2014.
- Judged the Project exhibition at K.S. Institute of Technology, organized by the Department of Computer Science Engineering, Bangalore, on 9th May 2015.

SUBJECTS TAUGHT:

Probability Theory and Random Process, Wireless Communication, Digital Communications, Analog Communications, Multimedia Communication, Satellite Communication, Advanced Radar Systems, Cryptography and Network Security, Digital Image Processing, Digital Signal Processing, Signals and Systems, DSP Processors and Architectures, Switching Theory & Logic Design.
