# BIO DATA

**Name**                                                         **Dr. Sanjeev Kumar**

Designation                                              Professor

Department                                              **Electronics & Communication  Engg.**
**University**                                                **GJUS&T, HISAR**

Email id                                                    sanjeevdhull2011@yahoo.com
**sanjeevdhull@gjust.org**

Telephone no                                           9467367158, 01662-263171,01662-263511
Nationality                                                Indian

**Foreign visit**                                            **Kualalumpur, Singapore**


Category                                                  General

**Educational Qualification**

| Examination | Scholl/Coll | Board/uni | %marks |
|---|---|---|---|
| High school | Jain school | Haryana | 73 |
| 10+2 | Gita School | Haryana | 81.25 |
| B.E | M.I.T Manipal | Mangalore Uni | 62.17 |
| M.E | NITTTR Chandigarh | Panjab uni Chandigarh | 70.06 |
| PH.D(2013) | GJUST Hisar | GJUST Hisar | Signal Processing |

**Short Term Training Attended (STC)**

| Sr no | From | To | Place | Course |
|---|---|---|---|---|
| 1 | 6/6/05 | 10/6/05 | N.I.T.T.T.R | Digital and Data Communication |
| 2 | 7/5/07 | 11/5/07 | N.I.T.T.T.R | Automation using PLC |
| 3 | 21/5/07 | 25/5/07 | N.I.T.T.T.R | Microcontroller&Embedded System |
| 4 | 28/5/07 | 1/6/07 | N.I.T.T.T.R | Repair and Maintenance of Consumer Electronics |
| 5 | 12/7/16 | 17/7/16 | IIT Kharagpur | Advanced Signal Processing |
| 6 | 19/12/16 | 23/12/16 | IIT Kharagpur | Gian stc on VLSI SIGNAL PROCESSING |

**Refresher and orientation Attended**

| Sr no | From | To | Place(Academic Staff College) | Programme |
|---|---|---|---|---|
| 1 | 21/12/09 | 09/1/10 | GJUST,HISAR | Refresher |
| 2 | 10/11/10 | 7/12/10 | GJUST,HISAR | Orientation |
| 3 | 03/6/13 | 22/6/13 | GJUST,HISAR | Refresher |
| 4 | 20/9/13 | 28/9/13 | GJUST,HISAR | Faculty development (TEQIP) |

Member UGBOS/PGBOS

| Sr No. | Name | UGBOS/PGBOS | Year |
|---|---|---|---|
| 1 | Dr Sanjeev Kumar | PGBOS | 2012-13 |
| 3 | Dr Sanjeev Kumar | PGBOS | 2013-14 |
| 4 | Dr Sanjeev Kumar | PGBOS | 2014-15 |
| 5 | Dr Sanjeev Kumar | PGBOS | 2015-16 |
| 6 | Dr Sanjeev Kumar | PGBOS | 2016-17 |
| 7 | Dr Sanjeev Kumar | PGBOS | 2017-continue |

**Foreign visit**

1. Kualalumpur to present paper in Springer conference

2. Singapore, Nanyang Technology University under TEQIP Training on Vivado

# PAPERS PUBLISHED IN INTERNATIONAL CONFERENCE/JOURNAL/CONFERENCES

1. Deepika Sanjeev Dhull, "Study and Analysis of Low Voltage Design for an Operational Amplifier," International Conference on Innovative Technologies (ICIT-09) PDM College of Engineering, Bahadurgarh, 2009.

2. Deepika Jain, Shefali Munjal, Sanjeev Dhull, "A Normalized Comparative Analysis on Non Saturated CMOS Based Differential Amplifiers ," International Conference on Innovative Technologies (ICIT-09) PDM College of Engineering, Bahadurgarh,  2009.

3. Baljit Singh,Sanjeev Dhull,Manoj Barnela and Amit Mahal, "Doherty Technique to Enhance the Efficiency of CMOS RF Power Amplifier," International Conference on Innovative Technologies (ICIT-09 PDM College of Engineering, Bahadurgarh, 2009.

4. Manoj Barnela, Sanjeev Dhull and Baljit Singh, "Techniques for achieving Low power, high speed CMOS ADC for SoC applications," International Conference on Innovative Technologies (ICIT-09) ,PDM College of Engineering, Bahadurgarh,2009.

5. Sunil, Sanjeev Dhull Sandeep Arya and O. P. Sahu "Echo Cancellation and Applications,"International conference on  mathematics and soft computing sponsored by DST and DRDO, N.C college of Engg  Israna , 4-5dec2010.

6. Ritu,Sanjeev Dhull, Sandeep Arya, "Study and Performance Analysis of reduction techniques of Salt and Pepper noise," International conference on  mathematics and soft computing sponsored by DST and DRDO, N.C college of Engg  Israna, 4-5dec2010.

7. Sanjeev Dhull, Sandeep Arya and O. P. Sahu, "Parameter Adaptation Issues of an Adaptive Multipath Acoustic Echo Canceller," Emerging Trends in Signal Processing & VLSI Design, International Conference supported  by  IEEE Hyderabad chapter, pp. 14, 11-13, June 2010.

8.  O. P. Sahu, Sanjeev Dhull and Sandeep Arya, "Modified Cost Function & Improvement in Accuracy Percentage for Time Delay Estimation," IEEE Explore (IconRaEece2011), pp. 497-501, Dec. 15-17, 2011.

9.  O. P. Sahu, Sanjeev Dhull and Sandeep Arya, "AEC with Multiple Sub Filters and DTD**"**, IEEE (ICCIC 2011), pp. 171-181, Dec. 5-18, 2011.

10. O. P. Sahu, Sanjeev Dhull and Sandeep Arya, "Performance comparison of different sub band AEC", IEEE Explore , Indicon 2011, BITS Hyderabad, pp. 1-4, Dec. 16-18, 2011.

11. Sandeep Beniwal, Sanjeev Dhull, *"A Review on Stereophonic Acoustic Echo Cancellation",* International Conference on "Technical and Innovative Advancement in Computing and Communication Engineering-2013(TIACCE-2013) ISBN: 81-89278-18-5" on April 13, 2013 at Marudhar Engineering College, Bikaner (Rajasthan), India.

12. Naveen Kumar, Sanjeev Dhull, "A Review on different adaptive algorithms in interference cancellation and use of blind source separation*",* International Conference on "evolution in science & technology and eyne on educational methodologies, (ESTEEM2014) on march 8-9,2014 at PPIMT, , HISAR, HARYANA), India

13. O. P. Sahu, Sanjeev Dhull, Sandeep Arya, "Subband and MSF Performance comparison for AEC," Springer LNICST (IPC2011), Kuala Lumpur, Malaysia, Nov.14-15, Nov. 2011

14. Sanjeev Dhull, Sandeep Arya and O. P. Sahu, "Performance Variation of LMS and Its Different Variants,"   International Journal of Computer Science and Security (IJCSS), ISSN: 1985-1553, Vol. 4, Issue 5, pp. 491-496, Dec. 2010.

15. Sanjeev Dhull, Sandeep Arya and O. P. Sahu, "Performance Evaluation of Adaptive Filters Structures for Acoustic Echo Cancellation," International Journal of Engineering (IJE), Vol. 5, Issue (2), pp. 208-215, 2011.

16. Sanjeev Dhull, Sandeep Arya and O. P. Sahu, "Performance comparison of Adaptive Algorithms for Adaptive line Enhancer," IJCSI International Journal of Computer Science Issues, ISSN : 1694-0814  Vol. 8, Issue 3, No. 2, pp. 553-558, May 2011

17. Sonika, Sanjeev Dhull,"Double Talk detection in acoustic echo cancellation based on variance impulse response", IJECE, Vol.4, No.5, 2011.

18. Sanjeev Dhull, Sandeep Arya and O. P. Sahu, "Comparative Study of Time-Delay Estimation Techniques in Acoustic Environment," International Journal of Computer Application, ISSN: 0975 – 8887, Vol. 8, No.9, pp. 29-31, Oct. 2010.

19. Sukomal, Sanjeev dhull," Fuzzy based median filter for gray-scale images," International Journal of Engineering Science & Advanced Technology, Vol. 2, Issue-4, 975 – 980, July 2012.

20. Savita, Sanjeev dhull, " Performance analysis of hybrid techniques for image compression," International journal of electronics and communication technology,Vol.3, issue 3-2, July-Sep.2012.

21. Roma, Sanjeev dhull, " Performance analysis of MFCC and LPCC" International Journal of Electronics and Communication Technology, Vol.3, issue 3, July-sep.2012.

22. Sandeep Beniwal, "Comparison of Performance of Stereophonic Acoustic Echo Canceller using LMS" and NLMS Adaptive Algorithms International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 2 Issue 11, November - 2013

23. Lalita,Sanjeev Dhull "Study and Performance Analysis of Sub-Band Adapative Noise Cancellation" International Journal of Engineering Innovation & Research. Volume 2, Issue 4, 2013,ISSN: 2277 – 5668

24. Lalita,Sanjeev Dhull, " Comparison of different Sub-Band Adaptive Noise Canceller with LMS" IJSRD - International Journal for Scientific Research & Development, Vol. 1, Issue 8, 2013 | ISSN (online): 2321-0613

25. Devender, Sanjeev Dhull "A multiple adaptive estimation approach for channel equalization" pp 24-28, IJEAM(International journal of engineering and management sciences paradigms), vol.1, issue 1, Feb2014, ISSN 2320-6608

26. Parveen Siwatch, Sanjeev Dhull, "Non linear acoustic echo cancellation " International journal of electronics & communication technology (IJECT)-vol 5.3-2, July to Sep 2014

27. Pardeep,Sanjeev Dhull, "Acoustic echo cancellation from vocoder" International journal of electronics & communication technology (IJECT)-vol 5.3-2, July to Sep 2014

28. Monika yadav, Sanjeev Dhull, "Near optimal cross talk cancellation using adaptive LMS filtering in VDSL " International journal of electronics & communication technology (IJECT)-vol 5.3-2, July to Sep 2014

29. Rajender, Sanjeev Dhull ,"Dynamic Power Management in Multiprocessor Architecture", National Conference Mullana University, 2008.

30. Rajender, Sanjeev Dhull, "Dynamic Power Management Technique and its Application on a Multiprocessor Architecture," Deen Bandhu Chhoturam University Murthal , NCRAET 2008.

31. Rajender, Sanjeev Dhull, "FPGA Implementations of Fast Fourier Transforms Processor,"National Conference Govt. Engg College Ajmer, 2008.

32. Rajni, Sanjeev Dhull. "Techniques For Simulation& Measurement of Op-Amp," National Conference RIMT Mandi Gobindgarh, 2008.

33. Deepika Jain, Shefali Munjal, Sanjeev Dhull, "Low Voltage CMOS OPAMP Design Techniques ," National Conference LIMAT Faridabad, 2009.

34. Ritu,Sanjeev Dhull, Sandeep Arya and O.P. Sahu, "Study of different method of reduction of impulse noise" National Conference on advance computing and communication technology, Rohtak, 25-26 June 2010.

35. Prem,Mamta Arora, Sanjeev Dhull, "A comparative study of time delay estimation Techniques,"National Conference, Kaithal , 2010.

36. Nisha,Sanjeev Dhull, and Sandeep Arya, "Comparison of LMS,RLS and Kalman adaptive algorithms"National Conference on advance computing and communication technology Rohtak ,25-26 June 2010.

37. Kanika, Sanjeev Dhull, "Adaptive line enhancement:An introduction and few applications," National Conference on advance computing and communication technology, Rohtak,  25-26 June 2010,

38. Ashwani, Sanjeev Dhull," Study of Different Methods of Acoustic Source Localization", NCAC2011 at Sat Priya group of institution Rohtak, 11 July 2011.

39. Poonam, Sanjeev Dhull," Study of Sub band Implementation of Adaptive Filter", NCAC2011 at Sat Priya group of institution Rohtak, 11 July 2011

40. Pankaj, Sanjeev Dhull, "An efficient video object tracking using adaptive Kalman filtering," ILS 2011 at Desh Baghat institute of management and computer sciences , Sept 2011.

41. Sachin, Sanjeev dhull, "LMS Adaptive Echo Canceller with Linear Prediction Pre whitening filter," AICTE sponsored National Conference on Recent Trends in Engg. and Technology, RTET-12, India, pp.112-115, June 2012

42. Savita,Sanjev dhull, "Performance analysis of an algorithm using concatenation of lossy and lossless techniques for image compression,"NCRTCD-2012,pp.224-232,sep2012.

43. Deeak Saini,Sanjeev Dhull "LPC Integrated spectral subtraction model Acoustic feedback cancellation," International journal of electronics science and mobile computing  vol. 4 issue 6 June 2015, pg 658-662.

44. Deeak Saini,Sanjeev Dhull "A Hybrid Model for Acoustic Feedback Cancellation," journal of network communications and emerging technologies(JNCET)  vol. 3 issue 3, Aug 2015, pg 13-16,.ISSN:2395-5317

45. Harsh, Sanjeev Dhull ",Performance analysis of stereophonic echo cancellation" International journal of electronics science and mobile computing  vol. 4 issue 6 June 2015, pg 658-662.

46. Harsh, Sanjeev Dhull "," International journal of electronics science and mobile computing vol. 4 issue 6 June 2015, pg 658-662

47. Isha, Sanjeev Dhull ," literature survey of different acoustic echo cancellation algorithm" *IJSRD International Journal for Scientific Research & Developmet* vol. 3issue 5June 2015, pg 895-896, *ISSN 2321-0613*

48. Isha, Sanjeev Dhull ," Polyphase Allpass IIR filters for sub band acoustic echo cancellation" *IJSRD International Journal for Scientific Research & Developmet* vol. 3issue 5June 2015, pg 895-896, *ISSN 2321-0613*

49. Bhupender, Sanjeev Dhull "Fast LMS based acoustic echo cancellation and noise reduction algorithm," International journal of electronics science and mobile computing vol. 4 issue 6 June 2015, pg 658-662

50. A. Khatak, S. Dhull, and M. K. Taleja, "A Study on Advanced High Speed and Ultra Low Power ADC Architectures," *Indian J. Sci. Technol*., vol. 10, no. March,2017. DOIhttp://dx.doi.org/10.17485/ijst%2F2017%2Fv10i10%2F86067.

*51.* A. Khatak, M. Kumar and S. Dhull, "Comparative analysis of comparators in 90nm CMOS Technology," *2018 IEEE International Conference on Power Energy, Environment and Intelligent Control (PEEIC),* Greater Noida, India, 2018, pp. 493-500. DOI: 10.1109/PEEIC.2018.8665656.*(Presented and Published)(Online available on IEEE explore).*

52. A. Khatak, M. Kumar, and S. Dhull, "Analysis of CMOS Comparator in 90nm Technology with Different Power Reduction Techniques," *International Journal of Electrical and Computer Engineering*, vol. 8, no. 6, pp. 4922–4931, 2018. DOI: http://doi.org/10.11591/ijece.v8i6.pp4922-4931 . *(Scopus Index).*

53. A. Khatak, M. Kumar, and S. Dhull, "An Improved CMOS Design of Op-Amp Comparator with Gain Boosting Technique for Data Converter Circuits," *J. Low Power Electron. Appl.* 2018, 8, 33. DOI: https://doi.org/10.3390/jlpea8040033.*(Scopus index).*

54. A. Khatak, M. Kumar and S. Dhull, " Design and Analysis of a 4-Bit Flash ADC Architecture with Modified Comparator*," International Conference on Intelligent Data Communication Technologies and Internet of Things (ICICI), Springer, (book chapter in LNDECT) Cham*, vol 26, 2018. DOI: https://doi.org/10.1007/978-3-030-03146-6_134. *(Scopus Index)* *(Presented and Published) (Online available on Springer).*

55. A. Khatak, M. Kumar and S. Dhull, " Analysis of Segmented SAR-ADC in 90nm CMOS Technology," *2018 IEEE International Conference on Recent Innovations in Electrical, Electronics & Communication Engineering - (ICRIEECE),* Bhubaneswar, India, 2018. *(Presented and Published).*

56. A. Khatak, M. Kumar and S. Dhull, "Power analysis of Flash-ADC in 90nm CMOS Technology," *2018 IEEE International Conference on Sustainable Energy, Electronics, and Computing Systems (SEEMS),* Greater Noida, India, 2018, pp. 1-6.DOI: 10.1109/SEEMS.2018.8687343.*(Presented and Published)*(*Online available on IEEE explore).*

57. Vinod kumar, Sanjeev Kumar Dhull, "Performance analysis of Music algorithm for coherent signal,Presented Poster in Conference proceedings NCPMS-2015 at GJUST, Hisar.

58. Vinod kumar, Sanjeev Kumar Dhull, "Techniques of Direction of Arrival Estimation: A Review" The IUP Journal of Electrical & Electronics Engineering, Vol. IX, No. 1, January 2016, pp. 48-56. **UGC Approved**

59. Vinod kumar, Sanjeev Kumar Dhull,"Performance Analysis of ESPRIT, Root Music, Root WSF Algorithms" on 25 to 26 March, 2017.Presented Paper in International Conference on Innovation & Trends to support Make in India held at N. C. College of Engineering, Israna, Panipat.

60. Vinod kumar, Sanjeev Kumar Dhull, "Performance Analysis of MUSIC and Improved MUSIC Algorithm for Coherent Signal", International Journal of Emerging Technologies and Innovative Research, ISSN:2349-5162, Vol-4, Issue 12, Page no. 332-335, December-2017. [**UGC Approved**]

61. Vinod kumar, Sanjeev Kumar Dhull, "Non-Uniform Antenna Array Geometry for Signal Estimation" INTERNATIONAL JOURNAL OF SCIENTIFIC & TECHNOLOGY RESEARCH VOLUME 9, ISSUE 02, FEBRUARY 2020, ISSN 2277-8616. [**SCOPUS Indexed**]

62. Vinod kumar, Sanjeev Kumar Dhull, "A Novel Antenna Array Geometry for DOA Estimation", International Journal of Advanced Science and Technology, Vol. 29, No. 03, (2020), pp. 4891-4903. [**SCOPUS Indexed**]

63. An Experimental Analysis of MVDR and MUSIC Algorithm, IJITEE, ISSN No. 2278-3075, Vol.-8, issue 8S3, June 2019. [**SCOPUS Indexed**]

64. Manisha Jangra, Sanjeev Kumar Dhull, Krishna Kant Singh, "Recent Trends in Arrhythmia Beat Detection: A Review", International Conference on Communication & Computing System, 9-11 Sept, 2016, published in CRC Press, Taylor & Francis group, 2017. (ISBN No 978-1-138-02952-1). Paper published as book chapter.

65. Manisha Jangra, Sanjeev Kr. Dhull, Krishna Kant Singh, "ECG Beat Classifiers: A Journey from ANN To DNN", Procedia Computer Science Journal, 747-759, Vol. 167, 2020.

66. Manisha Jangra, Sanjeev Kr. Dhull, Krishna Kant Singh, "ECG arrhythmia classification using modified visual geometry group network (mVGGNet)", Journal of Intelligent & Fuzzy Systems, Preprint, 2020.

67. Ritu and Sanjeev Kumar Dhull "A comparision of Generalized cross correlation methods for time delay estimation", The IUP journal of Telecommunications, IUP Publications,Nov 2015, Vol. 7 Issue 4, p50-65, ISSN No.0975-5551.

68. Ritu and Sanjeev Kumar Dhull, "Context-Aware Acoustic Source Localization Methods", The IUP Journal of Telecommunications, IUP Publications, 2015, Vol. VII, No.4, pp. 50-65, ISSN No.0975-5551.

69. Ritu and SanjeevDhull, Performance Analysis of Direction of Arrival Estimation Algorithms for the Sound Sources, IUP Journal of Telecommunications,Vol .X No.3, pp:51-63, August 2018.

70. Priyanka Dalal, Sanjeev Kumar Dhull, "Upper WLAN Band Notched UWB Monopole Antenna Using Compact Two via Slot Electromagnetic Band Gap Structure" Progress In Electromagnetics Research C, Vol. 100, 161-171, 2020. (Scopus Indexed)

71. Priyanka Dalal, Sanjeev Kumar Dhull, " Electromagnetic Band Gap Structure Applications in Modern Wireless Perspective: A Review" in 5th IEEE International Conference on Advances in Computing & Communication Engineering (ICACCE-2019), held at Bannari Amman Institute of Technology, Tamil Nadu, 4th-6th April 2019.

72. Priyanka Dalal, Sanjeev Dhull, "Sparse FIR Filter Design Techniques: A Review" International conference on Communication and Computing Systems, held at DCE Gurgaon, 9-11Sept, 2016.(Scopus Indexed)

73. Jaswant , Sanjeev Kumar Dhull P "Performance Analysis of Constant Modulus Algorithm and Multi Modulus Algorithm for Quadrature Amplitude Modulation", published in International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653, Volume 5 Issue VI, June 2017.

74. Jaswant , Sanjeev Kumar Dhull "Performance Evaluation of Adaptive Equalization methods and LMS, CMA, FS-CMA Algorithms and Coding for 4-QAM", published in International

Journal of Engineering Development and Research (IJEDR), ISSN: 2321-9939, Volume 5, Issue 3, August 2017.

75. Jaswant , Sanjeev Kumar Dhull "Performance Analysis and Coding of Blind Adaptive Fractional Space –Constant Modulus Algorithm", published in International Journal for Research in Applied Science & Engineering Technology (IJRASET), ISSN: 2321-9653, Volume 5 Issue VI, June 2017.

76. Jaswant , Sanjeev Kumar Dhull "Performance Analysis of Various Adaptive Blind Equalization Algorithms", published in The IUP Telecommunications, Volume VIII, No. 3, August 2016.

77. Jaswant , Sanjeev Kumar Dhull "A Study of Training and Blind Equalization Algorithms for Quadrature Amplitude Modulation", e-ISSN: 2395-0056, p-ISSN: 2395-0072, Volume 04, Issue: 06, June 2017.

78. Jaswant , Sanjeev Kumar Dhull "A Novel Implementation of Multi-Modulus Algorithm Blind Equalization Based on Recursive Least Square Algorithm" published in International Journal of Scientific Development and Research (IJSDR), ISSN: 2455-2631, Volume4,Issue2,Feb,2019.

79. Jaswant , Sanjeev Kumar Dhull "A Novel Implementation of Variable Step Size Constant Modulus Algorithm with LMS update" published in International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, Volume-8, Issue-11, September2019,ScopusIndexed

80. Jaswant , Sanjeev Kumar Dhull " A Review Paper of Non-Blind & Blind Adaptive Techniques" accepted in International Journal of Scientific & Technology Research (IJSTR), Impact Factor: 3.023, Paper Ref.: IJSTR-1019-23160. October, 2019 Edition. Scopus Indexed Journal.

**M. Tech Students Guided: 30**

| Sr No. | Name of Student | Reg no. | Year | Title of the Dissertation |
|---|---|---|---|---|
| 1 | Rajani | 06217115 | 2007 | Design Analysis of High gain folded Cascode operational amplifier using 1.25UM CMOS Technology |
| 2 | Rajender | 0621711 | 2007 | Comparison between different Algorithm |
| 3 | Manoj Barnela | 0715106 | 2008 | Implementation of TIQ based flash ADC in micron technology for soc application |
| 4 | Baljit | 0715112 | 2008 | Efficiency enhancement of CMOS RF power amplifier |
| 5 | Deepika | 0715102 | 2008 | Comparative study of Low voltage CMOS operational amplifier design Techniques |
| Sr No. | Name of Student | Reg no | Year | Title of the Dissertation |
| 6 | Nisha | 0815101 | 2009 | Performance analysis of adaptive channel equalizer using different algorithms |
| 7 | Kanika | 0815113 | 2009 | Adaptive line enhancer using two adaptive algorithms |
| 8 | Prem Parkash | 0815108 | 2009 | Comparison of various time delay estimation techniques in acoustic environment |
| 9 | Mamta | 0815105 | 2009 | Entropy Comparison of an Adaptive Linear Combiner |
| 10 | Sunil | 0815151 | 2009 | Study and performance analysis of conventional echo cancellation |
| 11 | Ritu | 0815151 | 2009 | Study and performance analysis of reduction techniques of Impulse noise in image processing |

| Sr No. | Name of Student | Reg no | Year | Title of the Dissertation |
|---|---|---|---|---|
| 12 | Ashwani | 09151005 | 2010 | Acoustic source localization using stochastic region contraction |
| 13 | Sonika | 09151006 | 2010 | Acoustic echo cancellation using DTD |
| 14 | Poonam | 09151010 | 2010 | Performance analysis of sub-band adaptive noise cancellation |

| 15 | Geeta | 09151014 | 2010 | Performance evaluation of sub-band AEC |
|----|-------|----------|------|----------------------------------------|

**M Tech students guided**

| Sr No. | Name of Student | Reg no | Year | Title of the Dissertation |
|--------|-----------------|--------|------|---------------------------|
| 16 | Sukomal | 0815110 | 2011 | Performance analysis of fuzzy based adaptive noise filter |
| 17 | Savita | 10151019 | 2011 | Performance analysis of hybrid technique for image compression |
| 18 | Sachin | 10151015 | 2011 | Study and Performance analysis of acoustic echo canceller using prewhitening filter |
| 19 | Roma | 10151001 | 2012 | Performance analysis of MFCC and LPCC in automatic speech recognition |

| Sr No. | Name of Student | Reg no | Year | Title of the Dissertation |
|--------|-----------------|--------|------|---------------------------|
| 20 | Sandeep Beniwal | 11151006 | 2013 | Performance Analysis of SAEC using LMS and NLMS(submitted) |
| 21 | Lalita | 11151019 | 2013 | Performance comparison of LMS and RLS for subband noise cancellation |
| 22 | Devender Chahal | 11151020 | 2013 | Study and performance analysis of channel estimators |
| 23 | Naveen Kumar | 12151005 | 2014 | Study and performance analysis of AEC with BSS |
| 24 | Pardeep Kumar | 12151009 | 2014 | Interference cancellation through vocoder ( |
| 25 | Parveen Siwatch | 12151003 | 2014 | Study and performance of AEC using volterra filter |
| 26 | Monika Yadav | 12151021 | 2014 | Interference Cancellation in VSDL |
| 27 | Deepak Saini | 13151005 | 2015 | Hearing Aid Method Analysis |
| 28 | Harsh | 13151019 | 2015 | Performance Analysis of different Double Talk Detection Algorithm |
| 29 | Isha | 13151001 | 2015 | Polyphase Allpass IIR filters for Subband Acoustic Echo Cancellation |
| 30 | Bhupeneder | 13151002 | 2015 | A combined approach for Acoustic Echo and Noise Reduction |
| 31 | Chirag | 14151017 | 2016 | Analysis of EEG signal using wavelet transform and SVM classifier |

NATIONAL/INETRNATIONAL CONFERENCE AND WORKSHOP ATTENDED

| Sr. No. | Date | Title | Place | Status |
|---|---|---|---|---|
| 1 | 1/4/08-2/4/08 | Quality improvement tools | Mumbai ONIDA | Training Programme |
| 2 | 4/5/08-5/5/08 | Workhop on Analog and Digital ASIC Design | Kurukshetra University | Workshop Sponsored by IEEE |
| 3 | 25/10/07 | E-Waste Management | GJUS&T Hisar | National Workshop |
| 4 | 4/3/08 | Contemprary Communication Technologies | GJUS&T Hisar | National Workshop |
| 5 | 26-3-08-27-03-08 | Research Methods in Business Management | GJUS&T Hisar | National Workshop |
| 6 | 29-03-08 | Challenges and Opportunities in Information Technology | RIMT Mandi Gobindgarh | National conference |
| 7 | 15/04/08-17/04/08 | Atom For Peace | GJUS&T Hisar | National conference |
| 8 | May 22-23, 2008 | New Horizons in Science & Technology | Mullana University | National Conference |
| 9 | 25/10/08 | Photonies and Material Science | GJUS&T Hisar | National conference |
| 10 | 4-12-08 | Intellectual Property Right And its commercialization | GJUS&T Hisar | National workshop |
| 11 | 7-3-09 | Methodological Issues In Business Research | GJUS&T Hisar | National workshop |
| 12 | 13-3-09-14-3-09 | Recent Trends in Printing Technology | GJUS&T Hisar | National workshop |
| 13 | 17-3-09 | Recent Trends in Engg. & Technology | GJUS&T Hisar | National workshop |
| 14 | 19-3-09-20-3-09 | Business and Management | GJUS&T Hisar | National conference |
| 15 | 24/3/09-15-3-09 | Recent trends in Computer and Information Technology | GJUS&T Hisar | National conference |
| 16 | 18-6-09-19-10-09 | Innovative technologies | PDM Bahadurgarh | International conference sponsored by IEEE |

| | | | | |
|---|---|---|---|---|
| | | | | |
| 17 | 9/3/2016 | Innovations and Intellectual Property Right | GJUST HISAR | University |

**List of B.Tech student Guided**

| | NAME | ROOL NO | YEAR | TOPIC |
|---|---|---|---|---|
| 1 | SUNNY | 0321206 | 2007 | IR CONTROLLED SWITCH |
| 2 | SUDHIR | 0321228 | 2007 | CONTROL OF DEVICES USING DTMF |
| 3 | ARUNVIR KHARAB | 0421227 | 2008 | MICROCONTROLLER BASED ACCESS CONTROL SYSTEM |
| 4 | AJAY KUMAR | 0421237 | 2008 | SPEED CHECKER FOR HIGH WAY |
| 5 | PARDEEP BATRA | 0421206 | 2008 | ELECTROSTATIC LEVITATION |
| 6 | HARKESH YADAV | 0521210 | 2009 | TRACKING OF DISTANT OBJECT |
| 7 | JAGDISH CHANDER | 0521260 | 2009 | MOBILE CONTROLL FOR ELECTRONIC APPLIANCES |
| 8 | NEETU GUPTA | 0521291 | 2009 | CAR PARKING SYSTEM |
| 9 | SEVA RAM | 0521211 | 2009 | SERVER VIRTUALIZATION USING VMWARE |
| 10 | YOGESH KUMAR | 0521212 | 2009 | SECURITY SYSTEM |
| 11 | ABHIMANYU | 0815257 | 2012 | SMART ALARM SYSTEM |
| 12 | SHINAKSHI KAKKAR | 09152002 | 2013 | FINGER PRINT SECURITY SYSTEM |
| 13 | YUDHISTER YADAV | 09152051 | 2013 | AUTOMATIC CAR PARKING SYSTEM |
| 14 | SANJAY KUMAR | 091522008 | 2013 | AUTOMATIC TRAIN CONTROL SYSTEM |
| 15 | NIKHIL | 091522025 | 2013 | BIDIRECTIONAL VISITOR COUNTER |

| 16 | AMIT BOORA | 101522121 | 2014 | AUTOMATIC WATER LEVEL CONTROLLER |
| --- | --- | --- | --- | --- |
| 17 | NEHA | 10152067 | 2014 | ADVANCE HOME SECURITY SYSTEM |
| 18 | RAVNEET | 10152104 | 2014 | MOVEMENT SENSED AUTOMATIC DOOR SYSTEM |
| 19 | NAVJYOT | 10152071 | 2014 | RFID BASED TOLL PLAZA SYSTEM |

| 20 | ALOK KUMAR | 10152117 | 2014 | MULTILEVEL SECURITY SYSTEM |
|----|------------|----------|------|----------------------------|
| 21 | URVARSHI | 10152074 | 2014 | GSM BASED E NOTICE BOARD |
| 22 | JYOTI | 10152095 | 2014 | LPG GAS DETECTOR USING GSM MODULE |
| 23 | ANKIT SHEORAN | 11152102 | 2015 | CONTROLLER GSM BASED HOME APPLIANCES |
| 24 | RAJESH KUMAR | 11152109 | 2015 | AUTOMATIC ROOM LIGHT CONTROLLER |
| 25 | SAWAN KUMAR | 11152086 | 2015 | TELE REMOTE CONTROL SYSTEM |
| 26 | PRIYANKA | 11152924 | 2015 | WIRELESS THEFT DETECTING SYSTEM |
| 27 | VIKAS | 11152091 | 2015 | LASER BEAM BASED VOICE TRANSMITEER AND RECEIVER |