

Department of Electronics and Communication Engineering (1st Shift)

Journal Publications (2019)

S. No	Faculty Name	Title	Journal (ISSN)	Indexing	Year	Impact factor
1	Dr. Puneet Azad	Triboelectric energy harvester using human biomechanical motion for low power electronics	Bulletin of Material Science, Springer (0250-4707)	SCI	2019	1.264
2	Dr. Puneet Azad	Temperature controlled voltage regulated boost converter for thermoelectric energy harvesting	IETE Journal of Research, Taylor & Francis (0377-2063)	SCI-E	2019	0.829
3	Dr. Puneet Azad	Pyroelectric energy conversion harvesting using Ba _{0.85} Sr _{0.15} Zr _{0.1} Ti _{0.9} O ₃ ceramics and its cement based composites	Journal of Intelligent Material Systems and Structures (1045-389X)	SCI-E	2019	2.582
4	Meena Rao	Uninterrupted Multimedia Transmission using nth Routing Protocol	International Journal of Research in Electronics and Computer Engineering (2393-9028)	UGC Approved Journal	2019	-
5	Deepti Deshwal	Feature Extraction Methods in Language Identification: A Survey	Wireless Personal Communications (0929-6212)	SCI	2019	0.9
6	Prinkle Talan	I2C Bus Protocol Using Verilog	Journal of Emerging Technologies and Innovative Research (2349-5162)	UGC Approved Journal	2019	-
7	Prinkle Talan	Flight Controller Design For UAV	International Journal of Computer Application (0975-8887)	-	2019	-

Department of Electronics and Communication Engineering (1st Shift)

Journal Publications (2018)

1	Dr. Puneet Azad	Energy harvesting from human biomechanical energy for health monitoring devices	IETE Journal of Research, Taylor & Francis (0377-2063)	SCI	2018	0.829
2	Dr. Puneet Azad	Porous Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ Ceramics for Pyroelectric Applications	Journal of Electronic Materials, Springer (0361-5235)	SCI	2018	1.676
3	Ms. Deepshikha Yadav, Dr. Puneet Azad	A low-cost triboelectric sensor for speed measurement and weight estimation of vehicles	IET Intelligent Transport Systems (1751-956x)	SCI	2018	2.050

4	Dr. Puneet Azad	Candle Soot Driven Drastic Performance Enhancement in Pyroelectric Energy Conversion	Journal of Electronic Materials, Springer (0361-5235)	SCI	2018	1.676
5	Dr. Meena Rao	Energy Efficient QoS Aware Hierarchical KF- MAC Routing Protocol in Manet	Wireless Personal Communications, Springer (0929-6212)	SCI, Scopus, EBSCO, Google Scholar	2018	0.951
6	Dr. Richa Gupta	A Review on Microstrip patch antenna and feeding techniques	International Journal of Information Technology, Springer (2511-2112)	IET, Index Copernicus Intl. (Poland), UGC	2018	-
7	Ms. Poonam	A DWT-SVD based Robust Digital Watermarking for Digital Images	Procedia, Computer Science, Elsevier	Scopus, Google Scholar	2018	-
8	Dr. Neeru Rathee	Facial action unit intensity detection by extracting complimentary information using distance metric learning	IETE Journal of Research (0377-2063)	SCI	2018	0.89
9	Dr. Neeru Rathee	An efficient approach for facial action unit intensity detection using distance metric learning based on cosine similarity	Signal, Image and Video Processing (1863-1711)	SCI	2018	1.89
10	Ms. Aman Kumari	Substrate integrated waveguide (SIW) band pass filter for scientific radar applications	International journal of information Technology, Springer (2511-2104)	Scopus	2018	-
11	Ms. Aman Kumari	A Dual-purpose Substrate Integrated Waveguide (SIW) Wideband Band Pass Filter	International Journal of Research in Electronics and Computer Engineering (2393-9028)	Google scholar, UGC	2018	-
12	Dr. Tajinder Singh Arora	A new voltage mode quadrature oscillator using grounded capacitors: an application of CDBA	Engineering Science and Technology, an International Journal – Elsevier (2215-0986)	Scopus, ESCI	2018	-
13	Dr. Shaifali Madan Arora	A DWT-SVD based Robust Digital Watermarking for Digital Images	Procedia, Computer Science, Elsevier	Scopus, Google Scholar	2018	-
14	Mr. Parveen Kumar	Smart Nodes in LAN by using Wireless Sensor Network	International Journal of Advance Research in Computer Science and Electronics Engineering (2277-9043)	Google Scholar	2018	-

Department of Electronics and Communication Engineering (1st Shift)

Journal Publications (2017)

1	Dr. Puneet Azad	Portable triboelectric based wind energy harvester for low power application	European Physical Journal Plus, Springer (2190-5444)	SCI	2017	2.61
2	Dr. Archana Balyan	Confusion Matrix analysis of syllable-like unit extracted from Hindi continuous speech	Indian Journal of Science and Technology (0974-6846)	J-Gate I-Scholar	2017	1.002
3	Dr. Archana Balyan	Resources for development of Hindi speech synthesis system: An overview	Open Journal of Applied Sciences (2165-3925)	Web of Science	2017	0.21
4	Dr. Archana Balyan	Development of phoneme dominated database for limited domain T-T-S in Hindi	International Journal of Artificial Intelligence and Applications (0976-2191)	Proquest, CNKI, Scibd, Pubget	2017	-
5	Dr. Sudesh Pahal	Effect of Velocity on Handover Parameters in Wireless Networks	International Journal of Systems, Control and Communications	Scopus	2017	-
6	Dr. Tajinder Singh Arora	“Realization of Current Mode Universal Filter and a Dual-Mode Single Resistance Controlled Quadrature Oscillator Employing VDCC and Only Grounded Passive Elements	Advances in Electrical and Electronic Engineering,, (1336-1376)	Scopus, ESCI	2017	-
7	Dr. Tajinder Singh Arora	On the realisation of canonic single-resistance- controlled oscillators using third generation current conveyors.	IET Circuits, Devices & Systems (1751-858x)	SCI	2017	1.092
8	Dr. Meena Rao	Design and Implementation of Trust-based Secure Routing Protocol for MANETs	International Journal of Applied Engineering Research (0973-4562)	Scopus,	2017	-
9	Dr. Meena Rao	Energy Efficient AODV for Backup Route Selection in MANETs	Indian Journal of Science and Technology (0974-5645)	ISI Thomas Reuters, Web of Science	2017	-
10	Dr. Shaifali M. Arora	Digital Watermarking: An Introduction	International Journal of Applied Research (2394-5869)	Google Scholar	2017	-
11	Dr. Shaifali Madan Arora	A new fast motion estimation algorithm using adaptive size diamond pattern search with early search termination	International Journal of Computational Vision and Robotics (1752-9131)	Scopus	2017	--

12	Dr. Shaifali Madan Arora	A Novel Hybrid Approach for Fast Block Based Motion Estimation.	International Journal of Interactive Multimedia and Artificial Intelligence (1989-1660)	DBLP,ESCI -	2017	-
13	Dr. Shaifali Madan Arora	Breast cancer detection techniques using medical image processing	Breast Cancer2 (2455-4588)	Google Scholar	2017	-
14	Dr. Neeru Rathee	Discriminative analysis of Lip Features for emotion recognition	International Journal of Computational Vision and Robotics (1759-914x)	-	2017	-
15	Dr. Neeru Rathee	Contactless and Hassle Free Real Time Heart Rate Measurement with Facial Video	Journal of Cardiac Critical Care TSS (0037-5555555)	Google Scholar	2017	-
16	Dr. Neeru Rathee	Modelling Facial Features for Emotion Recognition and Synthesis	IETE Journal of Research (0377-2063)	SCI, SCOPUS, and Web of Science	2017	0.9
17	Dr. Neeru Rathee	Facia action unit intensity detection by extracting complimentary information using distance metric learning	IETE Journal of Research (0377-2063)	SCI, SCOPUS, and Web of Science	2017	0.9
18	Dr. Richa Gupta	Various Design analysis of Microstrip patch embedded with Cylindrical Dielectric Resonator Antenna"	International journal of Microwave application (2320-2599)	Citeseer, getCited, Academic.edu, ISSUU	2017	1.089
19	Ms. Deepshikha Yadav	Adaptive PID control of balance assisted two wheeled electric unicycle	MSIT Journal of Research Satyam (2319-7897)	-	2017	0.979
20	Poonam	Digital Watermarking: An Introduction	International Journal of Applied Research,	-	2017	0.715
21	Ms.Aman Kumari	A Dual-band Substrate Integrated Waveguide (SIW) Band Pass Filter for scientific Radar applications	International Journal of Research in Electronics and Computer Engineering (2393-9028)	UGC	2017	0.715
22	Ms. Aman Kumari	A Ka-Band Bandpass filter with Cylindrical Cavity Resonators using a Substrate Integrated Waveguide (SIW)	International Journal of Microwaves Applications (2320 - 2599)	Citeseer, get Cited, Academic.edu, ISSUU	2017	0.785
23	Ms.Anshul Pareek	Breast cancer detection techniques using medical image processing	International Journal of Applied Research (2455-4588)	-	2017	0.715

24	Dr. Tajinder Singh Arora	“Realization of Current Mode Universal Filter and a Dual-Mode Single Resistance Controlled Quadrature Oscillator Employing VDCC and Only Grounded Passive Elements	Advances in Electrical and Electronic Engineering,.	Scopus, ESCI	2017	0.19
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Department of Electronics and Communication Engineering (1st Shift)
Journal Publications (2016)

1	Mr. Tajinder Singh Arora	An All-Mode KHN Equivalent Biquad Using Third Generation Current Conveyor and all Grounded Passive Elements	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences. Springer,	SCI-E	2016	0.681
2	Mr. Tajinder Singh Arora	Adjoint-KHN Equivalent Realization of Current Mode Universal Biquad Employing Third Generation Current Conveyor	Indian Journal of Science and Technology (0974-6846)	Scopus	2016	-
3	Mr. Tajinder Singh Arora	Multifunction Filter Employing Current Differencing Buffered Amplifier	Circuits and Systems (2153-1285)	-	2016	0.93
4	Ms. Richa Gupta	High gain and wide band Rectangular DRA	Internatinal Journal of Ultra wideband Communication, Inderscience	Scopus	2016	-
5	Ms. Shafali Madan Arora	Comparative analysis of various search center selection methods for fast motion estimation	International Journal of Applied Research (2394-7500)	Google Scholar	2016	5.2
6	Ms. Aman Kumari Dahiya	Novel Compact Wide-band Substrate Integrated Waveguide Bandpass Filter using Conductor Backed Coplanar Waveguide as Feed line for W-Band Communication Applications	International Journal Of Computer Applications (973-93-80893-29-9)	Google Scholar	2016	0.715
7	Dr. Sudesh Pahal	Underground cable fault detection system	Advanced Research in Electrical and Electronic Engineering	-	2016	-
8	Dr. Sudesh Pahal	Selection of Hysteresis Margin for Optimum Handover Triggerring in Next Generation Cellular Systems	Advances in Computer Science and Information Technology	-	2016	-

9	Ms. Nishtha	Automatic AU intensity estimation for Facial Expression Analysis : A Review	International Journal of Image Processing and Visual Communication ISSN (Online) 2319-1724 : Volume 4 , Issue 1	-	2016	-
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Department of Electronics and Communication Engineering (1st Shift)
Journal Publications (2015)

1	Dr. Archana Balyan	Labeling of Hindi speech	IETE Journal of Research (0377-2063)	Google Scholar	2015	0.19
2	Ms. Ruchika Kumari	Labeling of Hindi speech	IETE Journal of Research (0377-2063)	Google Scholar	2015	0.19
3	Ms. Meena Rao	Simulation of Various QoS Parameters in a High Density MANET Set-Up using AODV nthBR Protocol for Multimedia Transmission, Data Transmission and Under Congestion Scenario	ICTACT Journal on Communication Technology, (0976-0091)	DOAJ, Index Copernicus, Advanced Science Index, Cosmos	2015	-
4	Ms. Meena Rao	Performance Evaluation of AODV nthBR Routing Protocol under Varying Node Density and Node Mobility for MANETs	Indian Journal of Science and Technology (0974-6846)	Scopus, DOAJ, Index Copernicus	2015	-
5	Ms. Meena Rao	Performance Evaluation of Multimedia Transmission in MANETs for AODV nthBR Routing Protocol	Advances in Computer Science and Information Technology (2393-9907)	Google Scholar	2015	-
6	Dr. Sudesh Pahal	Cross Layer based Dynamic Handover Decision in Heterogeneous Wireless Networks	Wireless Personal Communications, Springer (0929-6212)	SCI, SCOPUS,	2015	0.979
7	Dr. Sudesh Pahal	Multi-criteria Handoff Decision Algorithms in Wireless Networks	IOSR JCMA (2394-0050)	Google scholar	2015	-
8	Ms. Neeru Rathee	Analysis of human lip features: a review	International Journal of Applied Systemic Studies (1751-0597)	Scopus (Elsevier)	2015	-
9	Ms. Neeru Rathee	A novel approach for pain intensity detection based on facial feature deformations	Journal of Visual Communication and Image Representation (1047-3203)	SCI	2015	1.213
10	Ms. Preeti Sehrawat	Multi-Criteria Handoff decision algorithm in wireless networks	IOSR Journal of Mobile Computing & Application (2394-0050)	-	2015	-

Department of Electronics and Communication Engineering (1st Shift)

Journal Publications (Before 2015)

1	Dr. Puneet Azad	Energy Efficient Clustered Scheme for Wireless Sensor Networks using Multi-Criteria Decision Making Approach	International Journal of Computer Aided Engineering and Technology (1757-2657)	Scopus (Elsevier)	2014	-
2	Dr. Puneet Azad	Pareto Optimal Clustering Scheme using Data Aggregation for Wireless Sensor Networks	International Journal of Electronics (0020-7217)	Science Citation Index SciBase, Scopus and Zetoc.	2014	0.459
3	Ms. Meena Rao	An Improved Routing Protocol (AODV nthBR) for Efficient Routing in MANETs	Advanced Computing Networking and Informatics, Smart Innovations Systems and Technologies (2190-3018)	Scopus	2014	-
4	Ms. Richa Gupta	Embedded cylindrical magneto-hydrodynamic antenna	Internatinal Journal of Ultra wideband Communication, Inderscience	Scopus	2014	-
5	Dr. Sudesh Pahal	Cross layer based Fast Handover Algorithm for IEEE 802.16e Networks	Optik, Elsevier (0030-4026)	SCI, SCOPUS	2014	0.677
6	Dr. Sudesh Pahal	Cross layer based Handover Mechanism in Mobile WiMAX Networks	International Journal of Ad-hoc and Ubiquitous Computing, Inderscience (1743-8225)	SCI Scopus (Elsevier)	2014	0.9
7	Dr. Sudesh Pahal	Performance Evaluation of Vertical Handover based on Signal Strength and Residual Time in Heterogeneous Wireless Networks	International Journal of Computing and Network Technology (2210-1519)	Google Scholar	2014	-
8	Ms. Geetanjali Sharma	A Novel High Performance Low Power Universal Gate Implementation in Subthreshold Region	IJCA (0975-8888)	Google Scholar	2014	0.715
9	Ms. Geetanjali Sharma	High Performance Implementation of Universal Gate using Low Power Source Gating Technique	IJCA (0975-8888)	Google Scholar	2014	0.715
10	Ms. Geetanjali Sharma	A Novel Power Reduction Technique for CMOS Circuits using Voltage Scaling and Transistor Gating	IJCA (0975-8888)	Google Scholar	2014	0.715

11	Dr. Puneet Azad	Maximum Residual Energy based Clustering Scheme for Wireless Sensor Networks	Advanced Science Focus (2330-0760)	Google Scholar	2013	-
12	Dr. Puneet Azad	Cluster Head Selection in Wireless Sensor Networks under Fuzzy Environment	ISRN Sensor Networks (2090-7745)	Google Scholar	2013	-
13	Dr. Archana Balyan	Speech Synthesis : A Review	International journal of engineering research and technology (2278-0181)	Google scholar	2013	1.112
14	Mr. Dinesh Sheoran	An Overview of Speech Processing Techniques	UACEE International Journal of Advances in Computer Science and its Applications – IJCSIA (2250 – 3765)	Google Scholar	2013	-
15	Dr. Sudesh Pahal	A Predictive Handover Initiation Mechanism in Next Generation Wireless Networks	WSEAS Transactions on Communications (2224-2864)	SCOPUS	2013	0.7
16	Dr. Sudesh Pahal	QoS and Velocity based Vertical Handover Decision Algorithm using Fuzzy Logic for Mobile Wireless Networks	International Journal of Information and Computation Technology (0974-2239)	-	2013	-
17	Dr. Sudesh Pahal	QoS-aware and Energy Efficient Network Selection based on TOPSIS in Heterogeneous Wireless Networks	Satyam-MSIT Journal of Research (2319-7897)	-	2013	-
18	Ms. Geetanjali Sharma	A Novel High Performance Dual Threshold Voltage Domino Logic Employing Stacked Transistors	IJCA (0975-8888)	Google Scholar,	2013	0.715
19	Ms. Geetanjali Sharma	A Novel and High Performance Implementation of 8x8 Multiplier based on Vedic Mathematics using 90nm Hybrid PTL /CMOS Logic	IJCA (0975-8888)	Google Scholar,	2013	0.715
20	Ms. Geetanjali Sharma	<u>Designing a Novel Power Efficient D-Flip-Flop using Forced Stack Technique</u>	IJCA (0975-8888)	Google Scholar,	2013	0.715
21	Ms. Geetanjali Sharma	Design of High Performance and Power Efficient 16-bit Square Root Carry Select Adder using Hybrid PTL/CMOS Logic	IJCA (0975-8888)	Google Scholar,	2013	0.715

22	Ms. Geetanjali Sharma	A Novel, High Performance and Power Efficient Implementation of Decimal to BCD Converter using 90nm Hybrid PTL/CMOS Technique	IJSER (2229-5518)	-	2013	0.38
23	Ms. Sakshi Rajput	High Speed and Reduced Power – Radix-2 Booth Multiplier ,	International Journal of Computational Engineering and Management (2230-7893)	5	2013	0.84
24	Ms. Sakshi Rajput	Design of Low Power and High Speed BEC 2248 Efficient Novel Carry Select Adder	International Journal of Advances in Engineering and Technology (2231-1963)	2	2013	2.35
25	Dr. Archana Balyan	Automatic phonetic segmentation of Hindi speech using Hidden Markov Model	Journal of Artificial Intelligence & society (0951-5666)	SCOPUS, Google Scholar	2012	-
26	Dr. Archana Balyan	A Hindi speech synthesizer using phoneme concatenation approach	International journal of graphics and image processing (2278-0181)	-	2012	-
27	Dr. Sudesh Pahal	A Novel Approach for Handover Trigger Time Selection in WiMAX Networks	International Journal of Advanced Electronics & Communication Systems (2277-7318)	Google Scholar	2012	-
28	Dr. Sudesh Pahal	An Approach towards Seamless Handover with Maximum Resource Utilization in Mobile Wireless Networks	Journal of Communication Engineering and Systems (2249-8613)	Google Scholar	2012	-
29	Ms. Geetanjali Sharma	A Low Power High Speed Adders using MTCMOS Technique	IJCEM (2230-7893)	-	2011	0.843
30	Mr. Sushil Kumar	Synthesis of STS-3 Mapper and Demapper using FPGA	International Journal of Electronics Engineering (0973-7383)	Google scholar	2010	2.5

Department of Electronics and Communication Engineering (1st Shift)
Conferences Publications (2019)

S.No	Faculty Name	Title	Conference Name (ISSN/ISBN)	Indexing	Year
1	Dr. Puneet Azad	Large energy harvesting using simultaneous application of pyroelectric and thermoelectric materials	Joint ISAF-ICE-EMF-IWPM-PFM conference - 2019 f2cpi2	IEEE Explore	2019
2	Dr. Archana Balyan	Group –delay based segmentation of continuous speech in Hindi	1st International conference on signal processing, VLSI and communication engineering (ICSPVCE-2019)	IEEE explore	2019
3	Dr. Sudesh Pahal	Vehicular Communication using Radio Waves: A step towards Smarter vehicles	International Conference RTCAIT 2019, MMEC Mullana	Scopus	2019
4	Dr. Sudesh Pahal	Miniaturized Microstrip Bandstop Filters with Wider Bandwidth	Elsevier conference ICAEECI 2019, IIIT Allahabad.	Scopus	2019
5	Dr. Richa Gupta	Gain and Bandwidth enhancement techniques for Microstrip antenna in ISM band”	The International Conference on Signal Processing, VLSI and Communication Engineering (ICSPVCE-2019, Delhi Technological University	IEEE Explore	2019
6	Deepshikha Yadav	Experimental Analysis of Power Generation for Ultra-Low Power Wireless Sensor Nodes Using Various	International Conference on Signal Processing and Integrated Networks (SPIN-2019)	IEEE explore	2019
7	Anshul Pareek	Evaluation of Feature Detector-Descriptor using RANSAC for visual tracking	SUSCOM 2019 (Amity University Jaipur)	SSRN ELSEVIER	2019
8	Dr. Neeru Rathee	Satellite image analysis : A Review	International Conference on Electrical, Computer and Communication Technologies (978-1-4799-6085-9.)	IEEE Explore	2019
9	Dr. Neeru Rathee	Investigation of facial expressions for physiological parameter measurement	International Conference on Advancements in Computing & Management (2524-7565)	Springer	2019
10	Poonam	Performance Evaluation of Robust Watermarking Using DWT-SVD and RDWT-SVD	International Conference on Signal Processing and Integrated Networks (SPIN-2019)	IEEE explore	2019

**Department of Electronics and Communication Engineering (1st Shift)
Conferences Publications (2018)**

1	Dr. Archana Balyan	Development of Unit Selection Based Speech Synthesis System (April 21, 2018).	3rd International Elsevier Conference on Internet of Things and Connected Technologies (ICIoTCT).	Scopus, DBLP	2018
2	Dr. Sudesh Pahal	Design and Analysis of Double Spurline Band Stop Filters	ICETEST-2018	-	2018
3	Ms. Deepshikha Yadav	Any Touch: Design and Implementation of a Touch Interface for Bluetooth Enabled Personal	ICPR-2017 International Springer conference held at AIACTR 22-23 Dec 2017	Scopus/Google Scholar, Springer	2018
4	Ms. Geetanjali Sharma	Comparative analysis of ECRL and TSEL adiabatic logic style	IEEE international conference on current trends towards converging technologies	Google Scholar. IEEE explore	2018
5	Ms. Ruchika Kumari and Dr. Archana Balyan	Automatic Syllable – like Segmentation of Hindi Speech based on Energy Convex Hull	IEEE International conference on Computing for Sustainable Global Development- INDIACOM-2018 (978-93-80544-28-1)	Google Scholar. IEEE explore	2018
6	Dr. Neeru Rathee	Electronic Guitar MIDI Controller for Various Musical Instruments using Charlie Plexing Method	International Conference on Innovations in Computer Science & Engineering	-	2018
7	Dr. Puneet Azad	Design and implementation of conductor to dielectric lateral sliding TENG mode for low power	International conference of Signals, Machines and Automation (SIGMA 2018) (978-981-13-1819-1)	Google Scholar	2018
8	Dr. Sudesh Pahal	Securing Onion Routing against Correlation attack	Springer, Sigma 2018, NSIT Delhi	Google scholar	2018
9	Dr. Sudesh Pahal	Design and Analysis of Bandstop Filters Double Spurline	ICETEST-2018, MMEC, Mullana.	-	2018

**Department of Electronics and Communication Engineering (1st Shift)
Conferences Publications (2017)**

1	Dr. Puneet Azad	Demonstration of double electrode vertical-sliding triboelectric generator	IEEE International Conference on Computing Communication and Automation (ICCCA2017) (978-1-5090-6471-7)	IEEE 978-1-4673-6792-9	2017
2	Dr. Puneet Azad	Design and implementation of robust low cost and low power prototype for generic counting system	IEEE International Conference on Computing Communication and Automation (ICCCA2017) (978-1-5090-6471-7)	Google Scholar. IEEE explore	2017

3	Dr. Puneet Azad	Triboelectric Nanogenerator based on Vertical Contact Separation Mode for Energy Harvesting	IEEE International Conference on Computing Communication and Automation (ICCCA2017) (978-1-5090-6471-7)	Google Scholar. IEEE explore	2017
4	Dr. Archana Balyan	Creating the Hindi speech corpora for limited domain	IEEE International conference on Computing for Sustainable Global Development- INDIACOM-	Google Scholar	2017
5	Dr.Sudesh Pahal	Network selection using automated version facilitated by user preferences	IEEE International conference on Computing for Sustainable Global Development- INDIACOM-2017 (978-93-80544-24-3)	Google Scholar. IEEE explore	2017
6	Dr.Sudesh Pahal	Implementation of prediction algorithms in MIP handover	Int. conf. ICNFESMH 2017, (978-81-934083-0-8)	Google Scholar	2017
7	Ms.Ruchika Kumari	Creating the Hindi speech corpora for limited domain	IEEE International conference on Computing for Sustainable Global Development- INDIACOM-2017 (978-93-80544-24-3)	Google Scholar. IEEE explore	2017
8	Dr. Richa Gupta	Circularly Polarized Cylindrical DRA Antenna using Aperture Coupled Microstrip Line Feed”	4th International Conference on “Computing for Sustainable Global Development	Google Scholar.	2017
9	Dr. Richa Gupta	Design and Different Feeding Techniques for Rectangular Microstrip Patch Antenna”	National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad (978-93-86156-53-6)	Google Scholar,	2017
10	Dr. Richa Gupta	An Advancement in Microwave Measurement: Vector Network Analyzer	National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad (978-93-86156-53-6)	Google Scholar,	2017
11	Ms. Aman Kumari Dahiya	A Review on Substrate Integrated Waveguide (SIW) and its Microstrip Transitions	Advancement in Microwave and Photonic Devices for Electronic communication Systems , March 29-31, 2017	DRDO, Ministry of Defence	2017

12	Ms. Aman Kumari Dahiya	A Compact E-Shaped Microstrip Bandstop Filter for Wireless Communications	National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad (978-93-86156-53-6)	DRDO, Ministry of Defence	2017
13	Ms. Aman Kumari Dahiya	A Low Loss Substrate Integrated Waveguide (SIW) Structure designed for Wireless Communication Systems”	National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad (978-93-86156-53-6)	DRDO, Ministry of Defence	2017
14	Ms. Neelam	A Review on Substrate Integrated Waveguide (SIW) and its Microstrip Transitions	National Conference in Advancement in microwave and photonic devices for Electronic Communication 15System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad (978-93-86156-53-6)	DRDO, Ministry of Defence	2017
15	Ms. Deepshikha Yadav	Design and implementation of robust low cost and low power prototype for generic counting system	IEEE International Conference on Computing Communication and Automation (ICCCA2017) (978-1-5090-6471-7)	Google Scholar. IEEE explore	2017
16	Dr. Tajinder Singh Arora	CCIII-based Current- Mode SRCOs: A Catalogue of Some New Realisations	3rd IEEE International Conference on Advances in Computing, Communication and Automation (ICACCA’17), Tula’s Institute, Dehradun 15th-16th September 2017.- In press (Conference no. 41348)	Google Scholar. IEEE explore	2017
17	Ms. Deepti Deshwal	A Review on Substrate Integrated Waveguide (SIW) and its Microstrip Transitions	National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad (978-93-86156-53-6)	DRDO, Ministry of Defence	2017
18	Dr. Puneet Azad	Single and double electrode based nanogenerator for energy harvesting of different materials	IEEE International conference on Computing for Sustainable Global Development- INDIACOM-2017 (978-93-80544-24-3)	Google Scholar	2017

**Department of Electronics and Communication Engineering (1st Shift)
Conferences Publications (2016)**

1	Mr. Tajinder Singh Arora	Single Input Multiple Output Multifunction Filter Employing Current Differencing Buffered Amplifier	IEEE ICCTICT 2016	-	2016
2	Mr. Tajinder Singh Arora	Realization of Current Mode KHN-Equivalent Biquad Employing Third Generation Current Conveyor	IEEE ICCTICT 2016	-	2016
3	Ms. Aman Kumari Dahiya	A Critical Review of Substrate Integrated Waveguide for Microwave Applications	IEEE International Conference on Computational Intelligence & Communication Technology, 2016 (978-1-5090-0210-8/16)	-	2016
4	Ms. Neeru Rathee	A novel approach for lip Reading based on neural network	2016 International Conference on Computational Techniques in Information and Communication Technologies (ICCTICT) (978-1-5090-0082-1)	-	2016
5	Ms. Neeru Rathee	Feature Fusion for Fake Indian Currency Detection	2016 3rd International Conference on "Computing for Sustainable Global Development", 16th - 18th March, 2016 (0973-7529)	-	2016
6	Dr. Archana Balyan	development and Implementation of Hindi TTS	International conference on computing for sustainable global development	GOOGLE scholar, IEEE conference publications	2016
7	Ms. Neeru Rathee	Automatic AU intensity detection/estimation for Facial Expression Analysis: A Review	International Conference on Inter Disciplinary Research in Engineering and Technology (978-81-929866-0-9)	-	2016
8	Ms. Nishtha	Automatic AU intensity detection/estimation for Facial Expression Analysis: A Review	International Conference on Inter Disciplinary Research in Engineering and Technology (978-81-929866-0-9)	-	2016

**Department of Electronics and Communication Engineering (1st Shift)
Conferences Publications (2015)**

1	Ms. Richa Gupta	Reconfigurable Aperture Coupled Rectangular Dielectric Resonator Antenna" Pr	INDIACom-2015 (978-9-3805-4416-8)	Scopus/Google Scholar	2015
2	Ms. Richa Gupta	Superstrate Embedded Hybrid MHD Antenna" I	IEEE INDICON-2015 (978-1-4673-6540-6)	Scopus/Google Scholar	2015

3	Ms. Neeru Rathee	Performance comparison of Support Vector Regression and Vector Regression for facial expression recognition	IEEE International Conference on Soft Computing Techniques & Implementation, 2015.	-	2015
4	Dr. Archana Balyan	semi - automatic syllable like segmentation for Hindi	O-COCOSDA	Google scholar, IEEE Conference publication.	2015
5	Ms. Ruchika Kumari	semi - automatic syllable like segmentation for Hindi	O-COCOSDA	Google scholar, IEEE Conference publication.	2015
6	Ms. Meena Rao	Performance Analysis of AODV nthBR Protocol for Multimedia Transmission under Different Traffic Conditions for Sparse and Densely Populated MANETs	IEEE Sponsored International Green Computing and Internet of Things Conference (ICGCoIT) (978-1-4673-7909-0)	-	2015
7	Ms. Shaifali Madan Arora	Dynamic Pattern Search Algorithm with Zero Motion Prejudgment for Fast Motion Estimation	<u>Advanced Computing & Communication Technologies (978-1-4799-8487-9)</u>	Google scholar, IEEE Conference publication.	2015

**Department of Electronics and Communication Engineering (1st Shift)
Conferences Publications (Before 2015)**

1	Ms. Meena Rao	Quality of Service Enhancement in MANETs with an Efficient Routing Algorithm”	IEEE International Advance Computing Conference (IACC 2014) (978-1-4799-2571-1)	Scopus	2014
2	Ms. Richa Gupta	Cylindrical Inhomogenous Dielectric Magneto-Hydro-Dynamic Antenna”	INDIACom-2014 (0973-7529)	Scopus/Google Scholar	2014
3	Ms. Shafali Madan Arora	Survey of fast block motion estimation algorithms	Advances in Computing, Communications and Informatics (ICACCI, 2014) (978-1-4799-3078-4)	-	2014
4	Ms. Shafali Madan Arora	Comparative analysis of motion estimation algorithms on slow, medium and fast video sequences	Optimization, Reliability, and Information Technology (ICROIT), 2014 International Conference (978-1-4799-3958-9)	-	2014
5	Ms. Shafali Madan Arora	New dynamic pattern search based fast motion estimation algorithm	Advances in Computing, Communications and Informatics (ICACCI, 2014) (978-1-4799-3078-4)	-	2014
6	Ms. Sakshi Rajput	Implementation of High Speed and Low Power Hybrid Adder Based Novel Radix 4 Booth Multiplier	IEEE International Conference on Communication Systems and Network Technologies	Google Scholar. IEEE explore	2014
7	Ms. Sakshi Rajput	Implementation of Compact and Power Efficient BEC Based Novel Carry Select Adder	International Conference on Extropianism: Towards Convergence of Human Values and Technology	Google Scholar	2014

8	Dr. Puneet Azad	Clusterhead Selection using Multiple Attribute Decision Making (MADM) Approach in Wireless Sensor Networks	QSHINE 2013 - 9th International Conference on Heterogeneous Networking for Quality, Reliability, Security and Robustness, Springer (978-3-642-37948-2)	-	2013
9	Dr. Sudesh Pahal	A Prediction Based Handover Trigger in Overlapped Heterogeneous Wireless Networks	ISPC'13 (IEEE Explore) (978-1-4673-6189-7)	-	2013
10	Dr. Puneet Azad	A Multi-criterion Approach for Lifetime Enhancement using Pareto Optimal Solution in WSNs	Commune Conference on Advancements in Communications & Computing Systems (CACCS 2012),	-	2012
11	Ms. Deepshikha Yadav	A helping stick for blind which detects obstacle and locate current position	International Conference on communication & electronics 2012 (978-93-81583)	-	2012
12	Dr. Sudesh Pahal	Cross Layer Trigger based Mobility Management in Wireless Networks	COMMUNE-2011 (2231-1963)	-	2011