

## Department of Electronics and Communication Engineering (1<sup>st</sup> Shift)

### Journal Publications (since 2017)

S. No	Faculty Name	Title	Journal (ISSN)	Indexing	Year	Impact factor
1	Dr. Puneet Azad	Portable triboelectric based wind energy harvester for low power application	<b>European Physical Journal Plus, Springer</b> (2190-5444)	SCI	2017	2.24
2	Dr. Archana Balyan	Confusion Matrix analysis of syllable-like unit extracted from Hindi continuous speech	<b>Indian Journal of Science and Technology</b> (0974-6846)	J-Gate I-Scholar	2017	1.002
3	Dr. Archana Balyan	Resources for development of Hindi speech synthesis system: An overview	<b>Open Journal of Applied Sciences</b> (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	<b>International Journal of Artificial Intelligence and Applications</b> (0976-2191)	Proquest, CNKI, Scibd, Pubget	2017	-
5	Dr. Tajinder Singh Arora	An All-Mode KHN Equivalent Biquad Using Third Generation Current Conveyor and all Grounded Passive Elements	<b>Proceedings of the National Academy of Sciences, India Section A: Physical Sciences. Springer</b> (0369-8203)	SCIE	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	<b>Advances in Electrical and Electronic Engineering.</b> (1336-1376)	Scopus, ESCI	2017	-
7	Dr. Tajinder Singh Arora	On the realisation of canonic single-resistance-controlled oscillators using third generation current conveyors.	<b>IET Circuits, Devices &amp; Systems</b> (1751-858x)	SCI	2017	1.092
8	Dr. Tajinder Singh Arora	A new voltage mode quadrature oscillator using grounded capacitors: an application of CDBA	<b>Engineering Science and Technology, an International Journal – Elsevier</b> (2215-0986)	Scopus, ESCI	2018	-
9	Dr. Meena Rao	Design and Implementation of Trust-based Secure Routing Protocol for MANETs	<b>International Journal of Applied Engineering Research</b> (0973-4562)	Scopus,	2017	-
10	Dr. Meena Rao	Energy Efficient AODV for Backup Route Selection in MANETs	<b>Indian Journal of Science and Technology</b> (0974-5645)	ISI Thomas Reuters, Web of Science	2017	-
11	Dr. Shaifali M. Arora	Digital Watermarking: An Introduction	<b>International Journal of Applied Research</b> (2394-5869)	Google Scholar	2017	-

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12	Dr. Shaifali Madan Arora	A new fast motion estimation algorithm using adaptive size diamond pattern search with early search termination	<b>International Journal of Computational Vision and Robotics</b> (1752-9131)	Scopus	2017	--
13	Dr. Shaifali Madan Arora	A Novel Hybrid Approach for Fast Block Based Motion Estimation.	<b>International Journal of Interactive Multimedia and Artificial Intelligence</b> (1989-1660)	DBLP,ESCI -	2017	-
14	Dr. Shaifali Madan Arora	Breast cancer detection techniques using medical image processing	<b>Breast Cancer2</b> (2455-4588)	Google Scholar	2017	-
15	Dr. Neeru Rathee	Discriminative analysis of Lip Features for emotion recognition	<b>International Journal of Computational Vision and Robotics</b> (1759-914x)		(1759-914x)	-
16	Dr. Neeru Rathee	Contactless and Hassle Free Real Time Heart Rate Measurement with Facial Video	<b>Journal of Cardiac Critical Care TSS</b> (0037-5555555)	Google Scholar	2017	-
17	Dr. Neeru Rathee	Modelling Facial Features for Emotion Recognition and Synthesis	<b>IETE Journal of Research</b> (0377-2063)	SCI, SCOPUS, and Web of Science	2017	0.9
18	Dr. Neeru Rathee	Facia action unit intensity detection by extracting complimentary information using distance metric learning	<b>IETE Journal of Research</b> (0377-2063)	SCI, SCOPUS, and Web of Science	2017	0.9
19	Dr. Richa Gupta	Various Design analysis of Microstrip patch embedded with Cylindrical Dielectric Resonator Antenna"	<b>International journal of Microwave application</b> (2320-2599)	,Citeseer, getCited, Academic.edu, ISSUU	2017	1.089
20	Ms. Deepshikha Yadav	Adaptive PID control of balance assisted two wheeled electric unicycle	<b>MSIT Journal of Research Satyam</b> (2319-7897)	-	2017	0.979
21	Poonam	Digital Watermarking: An Introduction	<b>International Journal of Applied Research,</b>	-	2017	
22	Ms. Aman Kumari	A Dual-band Substrate Integrated Waveguide (SIW) Band Pass Filter for scientific Radar applications	<b>International Journal of Research in Electronics and Computer Engineering</b> (2393-9028)	UGC	2017	0.715
23	Ms. Aman Kumari	A Ka-Band Bandpass filter with Cylindrical Cavity Resonators using a Substrate Integrated Waveguide (SIW)	<b>International Journal of Microwaves Applications</b> (2320 - 2599)	Citeseer, get Cited, Academic.edu, ISSUU	2017	0.785

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24	Ms. Anshul Pareek	Breast cancer detection techniques using medical image processing	<b>International Journal of Applied Research,</b> (2455-4588)	-	2017	0.715
25	Dr. Meena Rao	Energy Efficient QoS Aware Hierarchical KF-MAC Routing Protocol in Manet	<b>Wireless Personal Communications, Springer</b> (0929-6212)	SCI, Scopus, EBSCO, Google Scholar	2018	0.951
25	Dr. Richa Gupta	A Review on Microstrip patch antenna and feeding techniques	<b>International Journal of Information Technology, Springer,</b> (2511-2112)	IET, Index Copernicus Intl. (Poland), UGC	2018	-
26	Ms. Aman Kumari	Substrate integrated waveguide (SIW) band pass filter for scientific radar applications	<b>International journal of information Technology, Springer</b> (2511-2104)	Scopus	2018	-
27	Ms. Aman Kumari	A Dual-purpose Substrate Integrated Waveguide (SIW) Wideband Band Pass Filter	<b>International Journal of Research in Electronics and Computer Engineering</b> (2393-9028)	Google scholar, UGC	2018	-
28	Dr. Puneet Azad	Candle Soot Driven Drastic Performance Enhancement in Pyroelectric Energy Conversion	<b>Journal of Electronic Materials, Springer</b> (0361-5235)	SCI	2018	1.579
29	Ms. Poonam	A DWT-SVD based Robust Digital Watermarking for Digital Images	<b>Procedia, Computer Science, Elsevier</b>	Scopus, Google Scholar	2018	-
30	Dr. Puneet Azad	Porous Ba 0.85 Ca 0.15 Zr 0.1 Ti 0.9 O 3 Ceramics for Pyroelectric Applications	<b>Journal of Electronic Materials, Springer</b> (0361-5235)	SCI	2018	1.579
31	Ms. Deepshikha Yadav, Dr. Puneet Azad	A low-cost triboelectric sensor for speed measurement and weight estimation of vehicles	<b>IET Intelligent Transport Systems</b> (1751-956x)	SCI	2018	1.387
32	Mr. Parveen Kumar	Smart Nodes in LAN by using Wireless Sensor Network	<b>International Journal of Advance Research in Computer Science and Electronics Engineering</b> (2277-9043)	Google Scholar	2018	-
33	Dr. Puneet Azad	Energy harvesting from human biomechanical energy for health monitoring devices	<b>IETE Journal of Research, Taylor &amp; Francis</b> (0377-2063)	SCI	2018	0.892

## Department of Electronics and Communication Engineering (1<sup>st</sup> Shift)

### Conferences Publications (since 2017)

S.No	Faculty Name	Title	Conference Name (ISSN/ISBN)	Indexing	Year
1	Dr. Puneet Azad	Demonstration of double electrode vertical-sliding triboelectric generator	<b>IEEE International Conference on Computing Communication and Automation (ICCCA2017)</b> (978-1-5090-6471-7)	Google Scholar. IEEE explore	2017
2	Dr. Puneet Azad	Design and implementation of robust low cost and low power prototype for generic counting system	<b>IEEE International Conference on Computing Communication and Automation (ICCCA2017)</b> (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	<b>IEEE International Conference on Computing Communication and Automation (ICCCA2017)</b> (978-1-5090-6471-7)	Google Scholar. IEEE explore	2017
4	Dr. Archana Balyan	Creating the Hindi speech corpora for limited domain	<b>IEEE International conference on Computing for Sustainable Global Development- INDIACOM-2017</b> (978-93-80544-24-3)	Google Scholar	2017
5	Dr.Sudesh Pahal	Network selection using automated version facilitated by user preferences	<b>IEEE International conference on Computing for Sustainable Global Development- INDIACOM-2017</b> (978-93-80544-24-3)	Google Scholar. IEEE explore	2017
6	Dr.Sudesh Pahal	Implementation of prediction algorithms in MIP handover	<b>Int. conf. ICNFESMH 2017,</b> (978-81-934083-0-8)	Google Scholar	2017
7	Ms.Ruchika Kumari	Creating the Hindi speech corpora for limited domain	<b>IEEE International conference on Computing for Sustainable Global Development- INDIACOM-2017</b> (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”	<b>4th International Conference on “Computing for Sustainable Global Development</b> (978-93-80544-24-3)	Google Scholar.	2017
9	Dr. Richa Gupta	Design and Different Feeding Techniques for Rectangular Microstrip Patch Antenna"	<b>National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad</b> 978-93-86156-53-6)	Google Scholar,	2017

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10	Dr. Richa Gupta	An Advancement in Microwave Measurement: Vector Network Analyzer	<b>National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad</b> (978-93-86156-53-6)	Google Scholar,	2017
11	Ms. Aman Kumari Dahiya	A Review on Substrate Integrated Waveguide (SIW) and its Microstrip Transitions	<b>Advancement in Microwave and Photonic Devices for Electronic communication Systems , March 29-31, 2017</b>	DRDO, Ministry of Defence	2017
12	Ms. Aman Kumari Dahiya	A Compact E-Shaped Microstrip Bandstop Filter for Wireless Communications	<b>National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad</b> 978-93-86156-53-6)		2017
13	Ms. Aman Kumari Dahiya	A Low Loss Substrate Integrated Waveguide (SIW) Structure designed for Wireless Communication Systems”	<b>National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad</b>  ( 978-93-86156-53-6)	DRDO, Ministry of Defence	2017
14	Ms. Neelam	A Review on Substrate Integrated Waveguide (SIW) and its Microstrip Transitions	<b>National Conference in Advancement in microwave and photonic devices for Electronic Communication 15System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad</b> ( 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	<b>IEEE International Conference on Computing Communication and Automation (ICCCA2017)</b> ( 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	<b>3rd IEEE International Conference on Advances in Computing, Communication and Automation (ICACCA'17), Tula's Institute, Dehradun 15th-16th September 2017.- In press</b> (Conference no. 41348)	Google Scholar. IEEE explore	2017
17	Ms. Deepti Deshwal	A Review on Substrate Integrated Waveguide (SIW) and its Microstrip Transitions	<b>National Conference in Advancement in microwave and photonic devices for Electronic Communication System, DRDO sponsored AMPDECS 2017, RTGIT, Ghaziabad</b> ( 978-93-86156-53-6)	DRDO, Ministry of Defence	2017

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18	Dr. Archana Balyan	Development of Unit Selection Based Speech Synthesis System (April 21, 2018).	<b>3rd International Elsevier Conference on Internet of Things and Connected Technologies (ICIoTCT), 2018 held at Malaviya National Institute of Technology, Jaipur (India) on March 26-27, 2018.</b>	Scopus, DBLP	2018
19	Dr. Sudesh Pahal	Design and Analysis of Double Spurline Band Stop Filters	<b>ICETEST-2018</b>	-	2018
20	Dr. Richa Gupta	Any Touch: Design and Implementation of a Touch Interface for Bluetooth Enabled Personal Devices	<b>ICPR-2017 International Springer conference held at AIACTR 22-23 Dec 2017</b>	Scopus/Google Scholar, Springer	2018
21	Ms. Geetanjali Sharma	Comparative analysis of ECRL and TSEL adiabatic logic style	<b>IEEE international conference on current trends towards converging technologies</b> (978-14-5490-2210-8/16)	Google Scholar. IEEE explore	2018
22	Ms.Ruchika Kumari and Dr. Archana Balyan	Automatic Syllable – like Segmentation of Hindi Speech based on Energy Convex Hull	<b>IEEE International conference on Computing for Sustainable Global Development- INDIACOM-2018</b> (978-93-80544-28-1)	Google Scholar. IEEE explore	2018
23	Dr. Neeru Rathee	Electronic Guitar MIDI Controller for Various Musical Instruments using Charlie Plexing Method	<b>International Conference on Innovations in Computer Science &amp; Engineering-</b>	-	2018
24	Dr. Puneet Azad	Design and implementation of conductor to dielectric lateral sliding TENG mode for low power electronics	<b>International conference of Signals, Machines and Automation (SIGMA 2018)</b> (978-981-13-1819-1)	Google Scholar	2018