

Noida Institute of Engineering & Technology,
19, Knowledge Park-II, Institutional Area, Greater Noida
Department of Electronics & Communication Engineering

Academic Session (2019-2020)

International/National Journals

1. Ghanshyam Singh, Binod K. Kanaujia, **Vijay K. Pandey**, Deepak Gangwar, Sachin Kumar, "Pattern and frequency reconfigurable antenna with diode loaded ELC resonator", Advanced International Journal of Microwave and Wireless Technologies. July 2019. (SCI)
2. Ghanshyam Singh, Binod K. Kanaujia, **Vijay K. Pandey**, Deepak Gangwar, Sachin Kumar, "Design of compact dual - band patch antenna loaded with D - shaped complementary split ring resonator", Journal of Electromagnetic waves and applications. Aug 2019. (SCI)
3. Anil Kumar Singh, **Shilpee Patil**, Binod Kumar Kanaujia, **Vijay Kumar Pandey**, "A Novel Printed Circularly Polarized Asymmetric Wide Slot Antenna for Digital Cellular System", Microw Opt Technol Lett., pp:1-10, 2019. (SCI)
4. Vineet Shekher, Pankaj Kumar, **Surya Deo Choudhary**, Neel Kamal "Design and implementation of real time integer order PID controller for infrared heater", International journal of recent technology and engineering, ISSN: 2277-3878, Volume-8, Issue-2, July 2019. (SCOPUS)
5. **Surya Deo Choudhary**, Gaurav Arora, Sandeep Singh, Vineet Shekher "Microstrip Patch Antenna for GPS/WiMAX/WLAN Application", International journal of recent technology and engineering, ISSN: 2277-3878, Volume-8, Issue-2, July 2019. (SCOPUS)
6. Pooja Singh Gautam, **Dhananjay Singh**, **Surya Deo Choudhary**, "Design and Fabrication of DGS Microstrip Patch Antenna for S, C & X Band Applications", International journal of recent technology and engineering, ISSN: 2277-3878, Volume-8, Issue-2, July 2019. (SCOPUS)
7. Alka Verma, Anil Kumar Singh, Neelam Srivastava, **Shilpee Patil**, Binod Kumar Kanaujia, "Slot loaded EBG-based metasurface for performance improvement of circularly polarized antenna for WiMAX applications", International Journal of Microwave and Wireless Technologies. Sept 2019. (SCI)
8. **Kanika Jindal**, Manish Kaushik, Amit Tripathi "Classroom monitoring and energy conservation system by employing PIR sensor", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019. (SCOPUS)
9. **Surya Deo Chaudhary**, Alka Singh, **Ashutosh Kumar Singh** "Shopping System based on RFID Technology", International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019. (SCOPUS)

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10. **Surya Deo Chaudhary**, Ashish Pathak “TCAD Simulation of nano-crystal floating gate EEPROM”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
11. **Kamal Bhatia**, Anjana Rani Gupta “IR remote controlled dish positioning system”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
12. **Surya Deo Chaudhary, JitendraSaroj** “Circular Patch FSS Microstrip Antenna for C band applications”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
13. Anjali Gupta, **Surya Deo Chaudhary** “Method of generating maximum power generation from piezoelectric system”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
14. **Kamal Bhatia**, Sanjay Nayak, Maneesh Kumar “Performance Analysis of Hybrid System using MATLAB Simulink”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
15. **Kanika Jindal**, AditiMattoo, Bhupendra Kumar “Braille Decoding device employing microcontroller”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
16. **Kanika Jindal, Jitendra Kumar** “A review on solar green house dryer”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
17. **Ashutosh Kumar Singh**, Sahjad Ali “A research on use of robotics in mining industry”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
18. **Vinod M. Kapse**, AditiMattoo “An overview on use of robotics in high rise buildings”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
19. Alka Singh, **Ashutosh Kumar Singh** “Green house control system: A research”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)
20. Chandan Kumar, **Ashutosh Kumar Singh**, Rajneesh Pandey “Autonomous house floor cleaning robot”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(SCOPUS)

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21. **Kamal Bhatia**, Ashish Pathak “Factors affecting accuracy of distance measurement system based on Ultrasonic Sensor in Air”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(**SCOPUS**)
22. **Surya Deo Chaudhary**, Alka Singh, **Kanika Jindal** “RFID based traffic offence fining system”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, Volume-8, Issue-2S11, September 2019.(**SCOPUS**)
23. Alka Singh, **Kanika Jindal** “Realization of image processing algorithm based on FPGA”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3050, 2019.(**SCOPUS**)
24. **Ashutosh Kumar Singh**, Sanjay Kumar, Rajesh Kumar “A weather monitoring unmanned Aerial vehicle”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, 2019.(**SCOPUS**)
25. **Surya Deo Chaudhary**, **Jitendra Kumar Saroj** “Design of bipolar signal integrator using voltage to frequency converter”, International Journal of Scientific & Technology Research, ISSN: 2277- 8616, Oct 2019.(**SCOPUS**)
26. **Jitendra Kumar Saroj**, Rajesh Kumar “Research on off-grid photovoltaic system under non linear condition using solar GIS tool”, International Journal of Recent Technology and Engineering (IJRTE), ISSN: 2277-3878, 2019.(**SCOPUS**)
27. **Ashutosh Kumar Singh**, **Kamal Bhatia**, “Nano power current reference circuit consisting of sub threshold CMOS circuit”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, 2019.(**SCOPUS**)
28. **Ashutosh Kumar Singh**, Sanjay Kumar, “Realization of biometric based elevator controller using FPGA”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, 2019.(**SCOPUS**)
29. Rashmi Mishra, **Surya Deo Chaudhary**, Pankaj Tyagi “Implementation of digital signal processing for monitoring plant health”, International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075, 2019.(**SCOPUS**)
30. Alka Verma, Anil Kumar Singh, Neelam Srivastava, **Shilpee Patil**, Binod Kumar Kanaujia, “Hexagonal ring electromagnetic band gap-based slot antenna for circular polarization and performance enhancement”, Microwave and Optical Technology Letters, ISSN: 0895-2477.(**SCI**)
31. Dheeraj Kalra, Manish Kumar, Aasheesh Shukla, **Laxman Singh** and Zainul Abidin Jaffery, “Design Analysis of Inductorless Active Loaded Low Power UWB LNA Using Noise Cancellation Technique”, Frequenz–Berlin, Journal of RF-Engineering and Telecommunications, Vol 74 Issue 3-4.(**SCI**)

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32. **Laxman Singh**, Sunil Kumar Chaudhary, Yogesh Kumar Verma, Jay Kant Pratap Singh Yadav, Rajeev Kumar, “Smart Volume Controller for Mobile Phones”, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-2, December, 2019.(SCOPUS)
33. Astha Sharma, **Laxman Singh**, “Spectrum Opportunity Detection in Cellular Networks”, International Journal of Engineering and Advanced Technology (IJEAT), ISSN: 2249 – 8958, Volume-9 Issue-2, December, 2019.(SCOPUS)
34. Anshuman Singh, R. M. Mehra, **V. K. Pandey**, “Design and Optimization of Microstrip Patch Antenna for UWB Applications Using Moth–Flame Optimization Algorithm”, Wireless Personal Communications (2020)(SCI)
35. Pankaj Kumar, Niraj Agrawal, **S.D. Choudhary**, and A.K. Gautam, “Highly-Efficient Solution Processed Yellow Organic Light Emitting Diode with Tungsten Trioxide Hole Injection/Transport Layer”IEEE Transactions on Nanotechnology, Volume 19, Pages: 61-66, Print ISSN: 1536-125X Electronic ISSN: 1941-0085, DOI: [10.1109/TNANO.2019.2959884](https://doi.org/10.1109/TNANO.2019.2959884)(SCI)
36. Abu NasarGhazali, **MohdSazid**, Srikanta Pal, “A miniaturized low-cost microstrip-to-coplanar waveguide transition-based ultra-wideband bandpass filter with multiple transmission zeros”,Microw Opt TechnolLett. 2 March 2020 DOI: 10.1002/mop.32482 (SCI)
37. **Akanksha**, JagbirDhillon, Rajbir Yadav, “Comparison and Simulation Based Analysis of an Optimized Block Matching Algorithm with Four Step Search Algorithm”,Volume: 06 Issue: 11,e-ISSN: 2395-0056, p-ISSN: 2395-0072,Nov 2019. (SCOPUS)
38. **Sarabjeet Kaur**, Bharti Chaurasia, “Characteristics and Performance of Microstrip Patch antenna for C Band and X Band”, International Journal of Recent Technology and Engineering (IJRTE), Volume-8 Issue-6, ISSN: 2277-3878, March 2020. (SCOPUS)
39. **ShilpeePatil**,A. K. Singh, B. K. Kanaujia,A.K. Pandey, **V.K. Pandey**, “A simple and compact broadband circularly-polarized circular slot antenna for WLAN/WIMAX/DBS applications”, Int. Journal of Microwave & Wireless Tech.(May, 2020)(Communicated) (SCI)
40. B.P. Mishra, **Laxman Singh**, Spoorti J. Jainar, Nagaraja B. G., “A Research of Noise Estimation and Removal Techniques for Speech Signal”, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-8, Issue-2S3,July 2019. (SCOPUS).
41. Preeti Arora, **Laxman Singh**, Saksham Gera, “Prediction of Nearest Neighbor for Effective Data Transmission using Machine Learning”, The Mattingley Publishing co. inc. May – June 2020 ISSN NO. 0193-4120, Page No. 18022-18025 (SCOPUS).



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42. **Niraj Agrawal**, Anil Kumar Gautam, Rajesh Mishra, **Vijay Pandey**, “Design and packaging of dual-band and dual-polarized planar antenna for automotive applications”, Microw Opt TechnolLett. May 2020. (SCI)

International/National Conference

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1. RuchiRai, S. Pratap Singh, Lakshmanan M., **V. K. Pandey**, “Implementation of Cyclic Reed Muller Code for Molecular Communication”, International Conference on Smart Communication and Imaging System, 26-27 June 2020.
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3. **Anshuman Singh**, “GA Implementation in Antenna Design”, International Conference on Emerging Trends in Electronics, IT and Communication. October 2019.
4. **Anshuman Singh**, “Development of an Automatic Vehicle for Industrial Application Using LABVIEW”, International Conference on Emerging Trends in Electronics, IT and Communication. October 2019.
5. Rajeev Kumar, **Laxman Singh**, Rajdev Tiwari, “Comparison of Two Meta –Heuristic Algorithms for Path Planning in Robotics”, 2020 International Conference on Contemporary Computing and Applications (IC3A) **IEEE**

Book Chapter:

- **ShilpeePatil**, A. K. Singh, B. K. Kanaujia “Basic Theory and Design of Printed Antennas (Book Chapter), **Printed Antennas: Theory and Design**” in CRC Press, Taylor & Francis.2021 (In process).
- Surya DeoChoudhary, “Microwave Passive Devices and Its Scattering - Matrix”, LAP LAMBERT Academic Publication, 2019

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