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5.	List of publications	<p>Journal Publication:</p> <p>1.Vidhya.K and Shankar kumar .K.R. ‘Channel estimation of MIMO-OFDM System using PSO and GA “Springer in Arabian Journal for Science and Engineering, Vol 39, issue 5 , pp- 4047 -4056 , May 2014.</p> <p>2.Vidhya.K and Shankar kumar .K.R. ‘Enhanced Channel estimation Technique for MIMO-OFDM Systems with the Aid of EP Technique’ European Journal for Scientific Research Vol.67 .No 1, pp-140-156, 2011.</p> <p>3. Vidhya.K and Shankar kumar .K.R. ‘BER Performance of MIMO-OFDM Systems using STTC’ International Journal of Scientific and Research Publication, vol 3,issue 2,February 2013.</p> <p>4. Vidhya.K and Shankar kumar .K.R. ‘Channel Estimation and Optimization for Pilot Design in MIMO-OFDM Systems , International Journal of Emerging Technology And Advanced Engineering vol 3,issue 2,February 2013.</p> <p>5. Vidhya.K and Shankar kumar .K.R.Paper titled ‘Pilot Based Channel Estimation for MIMO-OFDM Systems, International Journal of Computer Networks and Wireless Communication, volume 3,No 2,April 2013.</p> <p>6. Vidhya.K and Shankar kumar .K.R. ‘ BER Performance of AWGN, Rayleigh and Rician Channel, International Journal of Advanced Research in Computer and Communication Engineering , Vol 2, issue 5 , May 2013.</p> <p>7. Vidhya.K and Shankar kumar .K.R. ‘Channel estimation of MIMO –OFDM using Cuckoo Search Algorithm’, Journal of Theoretical and Applied Information Technology’ Vol 55, No 2, September 2013.</p> <p>8. Vidhya.K and Shankar kumar .K.R. ‘ A Artificial Bee Colony</p>

	<p>Algorithm based Channel Estimation Design for MIMO – OFDM Systems’ Australian Journal of Basic and Applied Science, Vol 8, issue 6 , pp-133-141, April 2014. .</p> <p>9. Vidhya.K and Shankar kumar .K.R. ‘ An intelligent Channel Estimation approach for MIMO-OFDM Systems using Meta heuristic optimization algorithm ’ Research Journal of Applied Sciences , Engineering and Technology, Vol 7, issue 19 , pp-4079-4087, May 2014.</p> <p>10. Vidhya.K and Hiritharan.S ‘ Moving Camera Stabilizer on remote Controlled Car’ International Journal of Applied Engineering Research. ISSN 0973-4562 Vol. 10 No.92,2015</p> <p>11.Vidhya .K ‘ARM Based Intelligent Soft Starter for Consumer Applications’ Asian Journal of Electrical Sciences ISSN 2249 - 6297 Vol. 4 No. 1, 2015, ISSN 2249 – 6297 2015</p> <p>12. Vidhya .K ‘Autonomous Parallel Parking of Car based on Parking Space Detection’ International Journal of Advanced Research in Biology Engineering Science and Technology Vol 2, Issue 2, ISSN : 2395-695X 2016</p> <p>13. Vidhya .K ‘Emergency Mobile Charging Using Renewable Energy Resources’ International Journal of Research in Advance Engineering Vol. 2, Issue 2, ISSN: 2395-1648 2016</p> <p>14. Vidhya .K ‘ Biometric Based Next Generation ATM System using Raspberri pi ‘ National Journal of Advanced Research in Dynamical and Control Systems Vol 10, pp 220-223,2018.</p> <p>15.Vidhya.K ‘ Smart Helmet and Bike Systems’ International Journal of Recent Technology and Engineering Vol 7, pp 1-4, 2018</p> <p>16. Vidhya .K ‘Salinity Detection in Households using Raspberry Pi 3b+’ International Journal of Innovative Technology and Exploring Engineering, Vol 8, pp 283-286, 2019</p> <p>17. Vidhya .K ‘Design and Implementation of Frequency Reconfigurable Microstrip Patch Antenna’ International Journal of Recent Technology and Engineering, Vol 8, pp 8826-8831, 2019</p>
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	<p>18. Vidhya .K ‘Design and Analysis of Rectangular Microstrip Patch Antenna’ International Journal of Psychosocial Rehabilitation, Vol 24, pp 3723-3729, 2020</p> <p>19. Vidhya .K ‘Performance of MIMO-OFDM systems’ International Journal of Operational Research, Vol 37, pp 293-306, 2020</p> <p>20. Vidhya .K, ‘An Power Efficient Implementation of SDR Using MATLAB &SIMULINK with Adaptive Modulation and Demodulation Techniques’ Journal of Green Engineering, Vol 10, pp 4584-4597, 2020</p> <p>Conference Publication:</p> <p>1.Paper titled ‘ Performance of CDMA Systems in Nakagami multipath fading channel’ has been published in NCCT 06 conducted by MepcoSchlenk Engineering College, Sivakasi</p> <p>2.Paper titled ‘ Performance of CDMA Systems in Nakagami multipath fading channel’ has been published in NCSSS 2006 conducted by Bannari Amman Institute of Technology , Sathyamangalam.</p> <p>3. Paper titled ‘Performance of CDMA Systems ‘has been published in NCICC 2006 conducted by SNS College of Technology , Coimbatore.</p> <p>4.Paper titled ‘Block based Channel estimation Algorithms for OFDM ‘ has been published in international conference on computational intelligence and Information Technology. Conducted by INFO Institute of Engineering on March 2012.</p> <p>5. Paper titled ‘ Channel Estimation Techniques for OFDM ‘ has been published in IEEE explorer international conference on Pattern Recognition , Information and Medical Engineering’. Conducted by Periyar University , Salem on March 2012.</p> <p>6. Paper titled ‘QOE based bandwidth with SDN ‘ has been published in National Conference conducted by Adithya Institute of Technology, Coimbatore on March 2015.</p> <p>7.Paper titled ‘ Virtual platform performance Analyzer Tool implemented for IT Industries conducted by Ranganathan Engineering College, Coimbatore on March 2015.</p>
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	<p>8. Paper titled 'Retrieving Information from satellite images by detecting and removing images' conducted by VidhyaMandhir Institute of Technology, Perundurai on March 2015.</p> <p>9. Paper titled 'Environment Condition monitoring Systems for Industries' conducted by Adhithya Institute of Technology, Coimbatore on March 2016</p> <p>10. Paper Titled 'WSN Based power management' conducted by Adhithya Institute of Technology, Coimbatore on March 2016</p> <p>10. Paper titled 'Autonomous Parallel Parking of Car based on Parking Space Detection' conducted by Sri Guru Institute of Technology, Coimbatore on March 2016.</p> <p>11. Paper titled 'ATM Shouldering Surfing Resistant using Base Text' conducted by Sri Guru Institute of Technology, Coimbatore on April 2016</p> <p>12. Paper titled 'Channel Estimation and Optimization of MIMO-OFDM System using LS, MMSE and Genetic Algorithm' conducted by Sri Eshwar College of Engineering, Coimbatore on 6th -7th January 2017</p> <p>13. Paper titled 'Smart Helmet and Bike System' conducted by Sri Krishna College of Engineering and Technology, Coimbatore on 10th March 2017.</p> <p>14. Paper titled 'Annihilation of Crop Disease Using Image Processing' conducted by Sri Krishna College of Engineering and Technology on 10th March 2017</p> <p>15. Paper titled 'Detection of driver stress level and controlling the speed of vehicle using wearable glove' conducted by Sri Krishna College of Technology on March 2018.</p> <p>16. Paper titled 'Solar Concept and Designing' conducted by M.A.M College of Engineering and Technology, Trichy on March 2019</p> <p>19. Paper titled 'Salinity Detection in Household using Raspberry pi 3b+' conducted by Sri Ramakrishna Engineering College, Coimbatore July 2019</p> <p>20. Paper titled 'Design and Analysis of Rectangular Microstrip Patch Antenna' conducted by Sri Ramakrishna</p>
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		<p>Engineering College, Coimbatore on December 2019</p> <p>21. Paper titled ‘Design and Analysis of Dual Band Antenna Loaded with Metamaterial’ conducted by Ramco Institute Of Technology , Rajapalayam on June 2020</p> <p>22. Paper titled ‘Implementation of PID Controller of a MIMO in Poult House System’ conducted by Ramco Institute Of Technology , Rajapalayam on June 2020</p>
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