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	<b>NAAC</b>	
	<b>Paper Publications</b>	
	<b>2023-24</b>	

## Academic Research (2023-24)

Sl.No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
01	Dr. M. C. Sarsamba	Mallikarjun Sarsamba, D.B. Madihalli, D.M. Kumbhar “An Artificial Intelligence Based User-Friendly Two-Way Sign Language Translator for Deaf and Dumb People of India”, International Journal of Advanced Technology in Engineering and Science, ISSN: 2348-7550, Vol. No. 11, Issue No. 12, Dec. 2023, Pages: 45-49.	--	--	01
02	Dr. S. S. Ittannavar	S.S.Ittannavar , B.P.Khot , Mahadevaswamy , R.H.Havaladar, “Deep Learning for Computer Vision: Recent Breakthroughs and Emerging Trends”, International Conference on Innovative Computing, Intelligent Communication and Smart Electrical Systems, 979-8-3503,IEEE.	DOI:10.1109/ICSE560034.2023.10465486	--	02
		S. S. Ittannavar, B. P. Khot, Vibhor Kumar Vishnoi, Swati Shailesh Chandurkar, and Harshal Mahajan, “Early Crop Disease Identification Using Multi-fork Tree Networks and Microbial Data Intelligence”, © The Author(s), under exclusive license to Springer Nature Singapore Pte Ltd. 2024 A. Khamparia et al. (eds.), Microbial Data Intelligence and Computational Techniques for Sustainable Computing, Microorganisms for Sustainability 47, Pages: 281-299.	<a href="https://doi.org/10.1007/978-981-99-9621-6_18">https://doi.org/10.1007/978-981-99-9621-6_18</a>		
03	Prof. S. S. Kamate	Sujata Kamate, Sunita Malaj, “Robokisan-Autonomous Solar Powered Voice Controlled Multilingual Support Over IOT”, International Journal of Advance Research in Science and Engoneering, ISSN: 2319-8354, Vol. No. 12, Issue No. 12, Dec. 2023, Pages: 50-56.	--	--	01
04	Prof. P. V. Patil	Prof. Pramod V Patil , Prof. Sachin S Patil , Prof.Prasanna Patil, “A Smart System for Detection of Helmets and Number Plate Recognition using AI”, International Conference on Recent Trends in Engineering and Technology, ISBN: 978-93-91535-97-1, 8 <sup>th</sup> & 9 <sup>th</sup> Dec. 2023, Pages: 260-269.	--	--	01


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		<b>NAAC</b>
		<b>Paper Publications</b>
		<b>2023-24</b>
<b>Accredited at 'A' Grade by NAAC</b> <b>Programmes Accredited by NBA: CSE, ECE.</b>		

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
05	Prof. S. R. Mallurmath	Prof. S.R.Malluramath, , Prof.M.G.Ganachari “Power Quality Improvement By Four Leg Voltage Source Inverter”, International Journal of Advanced Technology in Engineering and Science, ISSN: 2348-7550,Vol. No. 11, Issue No. 12, Dec. 2023, Pages: 56-61.	--	--	01
06	Prof. B.P. Khot	M.A.Khot , B.P. Khot , S.S Ittannavar “Block Matching Algorithms For Motion Estimation And Compensation In Video Compression”, International Journal of Advanced Technology in Engineering and Science, ISSN: 2348-7550,Vol. No. 11, Issue No. 12, Dec. 2023, Pages: 50-55.	--	--	01

	<b>S.J.P.N.Trust's</b> <b>Hirasugar Institute of Technology, Nidasoshi</b> <i>Inculcating Values, Promoting Prosperity</i> Approved by AICTE, Permanently Affiliated to VTU, Belagavi Recognized Under Section 2(f) of UGC Act, 1956. <b>Accredited at 'A' Grade by NAAC</b> <b>Programmes Accredited by NBA: CSE, ECE.</b>	<b>ECE Dept.</b>
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	<b>2022-23</b>	


## Academic Research (2022-23)

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
01	Dr. S. S. Ittannavar	S. S. Ittannavar, R. H. Havaladar, "Segmentation of Breast Masses in Mammogram Image Using Multilevel Multiobjective Electromagnetism-Like Optimization Algorithm", Hindawi BioMed Research International Volume 2022, Article ID 8576768, 14 pages.	<a href="https://doi.org/10.1155/2022/8576768">https://doi.org/10.1155/2022/8576768</a>	--	01
02	Prof. D. B. Madihalli	Prof. D. B. Madihalli Ms. Ashrafi M. Attar Ms. Rutika A. kanade Ms. Viajaylaxmi S. Avarade, Accident Detection and Smart Ambulance Management System, Journal of Emerging Technologies and Innovative Research, (ISSN-2349-5162, Volume 9, Issue 8 , © 2022 JETIR August 2022, Pages: d903-d906.	--	--	01


	<b>S J P N Trust's</b> <b>Hirasugar Institute of Technology, Nidasoshi.</b> <i>Inculcating Values, Promoting Prosperity</i> Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi. <b>Accredited at "A" Grade by NAAC</b> <b>Programmes Accredited by NBA: CSE, ECE, EEE &amp; ME.</b>	<b>ECE Dept.</b>
		<b>NAAC</b>
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		<b>2021-22</b>

## Academic Research (2021-22)

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
1	Dr. S. B. Akkole	Suresh Akkole Dr. N. Vasudevan, "Microstrip Fractal MultiBand Antenna Design and Optimization by using DGS Technique for Wireless Communication", Proceedings of the Sixth International Conference on Inventive Computation Technologies [ICICT 2021] IEEE Xplore Part Number: CFP21F70-ART; ISBN: 978-1-7281-8501-9/21/\$31.00 ©2021 IEEE, Pages: 72-77.	DOI: 10.1109 /ICICT5 0816.20 21.9358 712	--	01
2	Prof. S. S. Malaj	Sunita.S.Malaj, Sujata.S.Kamate, "Innovative IOT based gesture recognition and health care monitoring system for elderly and physically challenged people", Compliance Engineering Journal, Volume 12, Issue 8, 2021, Page No: 88 – 95.	ISSN No: 0898-3577	--	01
3	Prof. S. S. Kamate	Sunita.S.Malaj, Sujata.S.Kamate, "Innovative IOT based gesture recognition and health care monitoring system for elderly and physically challenged people", Compliance Engineering Journal, Volume 12, Issue 8, 2021, Page No: 88 – 95.	ISSN No: 0898-3577	--	02
		Vidyavathi Mallaraddi, H. P. Rajani, S. S. Kamate, "Static and Dynamic power optimization using leakage feedback approach for nanoscale CMOS VLSI circuits", ©20XX IEEE.	--	--	
4	Prof. D. M. Kumbhar	Prof. Sachin S Patil , Prof. D M Kumbhar, "A smart solution for in farm complete tractor activity tracking system over cloud", Journal of Emerging Technologies and Innovative Research, © 2021 JETIR October 2021, Volume 8, Issue 10, Pages: d867-d871.	ISSN-2349-5162	--	01
5	Prof. S. S. Patil	Prof. Sachin S Patil , Prof. D M Kumbhar2, "A smart solution for in farm complete tractor activity tracking system over cloud", Journal of Emerging Technologies and Innovative Research, © 2021 JETIR October 2021, Volume 8, Issue 10, Pages: d867-d871.	ISSN-2349-5162	--	01


	<b>S J P N Trust's</b> <b>Hirasugar Institute of Technology, Nidasoshi.</b> <i>Inculcating Values, Promoting Prosperity</i> Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi. <b>Accredited at "A" Grade by NAAC</b> <b>Programmes Accredited by NBA: CSE, ECE, EEE &amp; ME.</b>	<b>ECE Dept.</b>
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		<b>2021-22</b>

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
6	Prof. D. B. Madihalli	Prof. D. B. Madihalli, Mr. A. P. Madihalli, Ms. D.I Nerli, Ms. P.B.Maradi, Ms. S.T.Yegappagol, "Efficient Industry Automation with Safety Security and Monitoring the Process Through IOT", Journal of Emerging Technologies and Innovative Research, © 2021 JETIR September 2021, Volume 8, Issue 9, Pages: e807-e810.	ISSN-2349-5162)	--	01
7	Prof. P. V. Patil	Promod V Patil, Keshav B Negalur, Sagar S Birade, "A Iot Based Smart System To Control Air & Water Quality In Urban Areas ", Journal of Emerging Technologies and Innovative Research© 2021 JETIR October 2021, Volume 8, Issue 10, Pages: e251-e254.	ISSN-2349-5162	--	01
8	Prof. S. S. Ittannavar	S. S. Ittannavar and R. H. Havaladar, "Detection of breast cancer using the infinite feature selection with genetic algorithm and deep neural network.", Springer Distributed and Parallel Databases International Volume August 2021, Article ID 8576768, 14 pages.	<a href="https://doi.org/10.1007/s10619-021-07355-w">https://doi.org/10.1007/s10619-021-07355-w</a>	--	01


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		<b>NAAC</b>
		<b>Paper Publications</b>
		<b>2020-21</b>

### Academic Research (2020-21)

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
1	Prof. S. B. Akkole	Suresh, Akkole and Vasudevan, N. and Sakhidasan, K. (2020), "Energy Efficient Multi-Band Square Fractal Microstrip Antenna for Sustainable Development in Wireless Communication", Journal of Green Engineering., 10(9):5045-5056.	ISSN : 1904 – 4720 (Print)	--	03
		Suresh, Akkole and Vasudevan, N. (2020), "Square Microstrip Patch Antenna For Wireless Communication Using EBG Structure", International Journal of Future Generation Communication and Networking., 13(3): 1035–1041.	ISSN: 2233-7857	--	
		Suresh Akkole, N. Vasudevan, "Compact Multiband Microstrip Fractal Antenna Design for Wireless Applications –An Overview", Fourth International Conference on Electronics, Communication and Aerospace Technology (ICECA-2020) IEEE Xplore Part Number: CFP20J88-ART;978-1-7281-6387-1/20/\$31.00 ©2020 IEEE.	ISBN: 978-1-7281-6387-1	--	


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		<b>NAAC</b>
		<b>Paper Publications</b>
		<b>2020-21</b>

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
2	Prof. S. S. Kamate	Kamate, S.S. and Rajani, H.P., 2021. Design and Implementation of 3-bit Flash Analog to Digital Converter for Low Power and High Speed Applications with New Ex- OR Based ROM Encoder. In Advances in Electrical and Computer Technologies: Select Proceedings of ICAECT 2020 (pp. 613-626). Springer Singapore. (Scopus indexed)	10.1007/978-981-15-9019-1, ISSN : 1876-1100	--	03
		Kamate, SS (Kamate, Sujata S.); Rajani, HP (Rajani, H. P.) ; Mallaraddi, V (Mallaraddi, Vidyavati) Designing A Novel Architecture to Reduce Stand by and Dynamic Power Dissipation for Sleepy Keeper CMOS Logic Circuits Published in Journal of Bioscience Biotechnology Research Communications, Volume: 13, Issue: 13, Pages: 144-149, 2020 (E-SCI indexed).	10.21786/bbrc/13.13/20	--	
		Kamate, SS (Kamate, Sujata S.); Rajani, HP (Rajani, H. P.) ; Mallaraddi, V (Mallaraddi, Vidyavati) "Efficient Design Techniques of Flash ADC for High Speed and Ultra Low Power Applications" Published in Journal of Bioscience Biotechnology Research Communications, Volume: 13, Issue: 13, Pages: 144-149. December 2020. (E-SCI indexed)	10.21786/bbrc/13.13/20	--	
3	Prof. D. M. Kumbhar	Prof. Dattatray M. Kumbhar, Miss Vidya Kesti, "Smart Floor Cleaning Robot", Journal of Emerging Technologies and Innovative Research, vol.7, issue 10, pp. 2397 – 2401 , October 2020.	ISSN-2349-5162	--	01
4	Prof. D. B. Madihalli	D.B.Madihalli, Sangamesh Kodekalmath, "Wireless Black Box System for Vehicles ", Journal of Emerging Technologies and Innovative Research, vol.7, issue 8 , pp. 301-304, August 2020.	ISSN : 2349-5162	--	01

	<b>S J P N Trust's</b> <b>Hirasugar Institute of Technology, Nidasoshi.</b> <i>Inculcating Values, Promoting Prosperity</i> Approved by AICTE, Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi. <b>Accredited at "A" Grade by NAAC</b> <b>Programmes Accredited by NBA: CSE, ECE, EEE &amp; ME.</b>	<b>ECE Dept.</b>
		<b>NAAC</b>
		<b>Paper Publications</b>
		<b>2020-21</b>


Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
5	Prof. P. V. Patil	Promod V. Patil, Gangadhar girgave, " Village Water Quality And Air Pollution Monitoring System", Proceedings of International Conference on Computing, Communication & Information Technology (I3CIT 2020), pp. 289-295, July 2020.	ISBN 978-93-5407-928-3	--	02
		Pramod V Patil, Sagar S Birde, "Smart Agricultural System", Journal of Emerging Technologies and Innovative Research, vol.7, issue 10, pp. 3848 – 3850 , October 2020.	ISSN-2349-5162	--	
6	Prof. S. S. Ittannavar	S. S. Ittannavar, B. P. Khot, R. H. Havaladar, "Deep Convolutional Neural Networks for Early Detection of Breast Cancer", Proceedings of International Conference on Computing, Communication & Information Technology (I3CIT 2020), pp. 113-119 July, 2020.	ISBN 978-93-5407-928-3	--	01
7	Prof. B. P. Khot	S. S. Ittannavar, B. P. Khot, R. H. Havaladar, "Deep Convolutional Neural Networks for Early Detection of Breast Cancer", Proceedings of International Conference on Computing, Communication & Information Technology (I3CIT 2020), pp. 113-119 July 2020.	ISBN 978-93-5407-928-3	--	01




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### Academic Research (2019-20)

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
1	Prof. S. B. Akkole	Suresh, Akkole and Vasudevan, N. (2020), 'Square microstrip multiband fractal antenna using EBG structure for wireless applications', International Journal of Pervasive Computing and Communication., 16 (2): 1742-7371	<a href="https://doi.org/10.1108/IJPC-08-2019-0062">https://doi.org/10.1108/IJPC-08-2019-0062</a>	02	02
		Akkole Suresh, N. Vasudevan, " Design and Optimization of E-Shape Multi Band Microstrip Patch Antenna Using Fractal Geometry for Wireless Communication", Journal of Computational and Theoretical Nanoscience, American Scientific Publishers, vol.17, issue 5, pp. 2409 – 2414(6) , May 2020.	<a href="https://doi.org/10.1166/jctn.2020.8905">https://doi.org/10.1166/jctn.2020.8905</a>	01	
2	Prof. S. S. Malaj	Sunita S Malaj, Sujata S Kamate, "Development of Hybrid Power Generation Model Using Rain Water, Solar and Wind", SS International Conference Mangalore, pp. 45 – 48.	--	--	02
		Sunita S. Malaj, Shivanand D. Hirekodi, Sujata S. Kamate, " Robot for War Field with Night Vision Wireless Camera by Android Application", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 9, Issue 1, January 2020, ISSN (Online) 2278-1021 ISSN (Print) 2319-5940 pp. 140-144.	10.17148/IJARCCE.2020.9126	--	
3	Prof. S. S. Kamate	Sunita S Malaj, Sujata S Kamate, "Development of Hybrid Power Generation Model Using Rain Water, Solar and Wind", SS International Conference Mangalore, pp. 45 – 48.	--	--	02
		Sunita S. Malaj, Shivanand D. Hirekodi, Sujata S. Kamate, " Robot for War Field with Night Vision Wireless Camera by Android Application", International Journal of Advanced Research in Computer and Communication Engineering, Vol. 9, Issue 1, January 2020, ISSN (Online) 2278-1021 ISSN (Print) 2319-5940 pp. 140-144.	10.17148/IJARCCE.2020.9126	--	

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		<b>2019-20</b>

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
4	Prof. S. S. Patil	Mr. Sachin S Patil, Smt. Sujata S Kamate, "Design of efficient 32-bit floating point multiplier using standard IEEE754", A Journal of Emerging Technologies and Innovative Research, Volume VII, Issue X, October.2020.	ISSN:23 49- 5162	--	01
5	Prof. S. S. Ittannavar	S. S. Ittannavar, R. H. Havaladar, B. P. Khot "Comparative Assessment of Image Processing Techniques for the Early Detection of Breast Cancer: A Review" WoS Journal Bioscience Biotechnology Research Communications Journal, Special Issue 13, Vol. No 13 (2020) PP 181-194, (ESCI Indexed).	<a href="http://dx.doi.org/10.21786/bbrc/13.13/12">http://dx.doi.org/10.21786/bbrc/13.13/12</a>	--	01
6	Prof. B. P. Khot	Shreevijay S Ittannavar, Raviraj H Havaladar and Bhavaling Alias Pratima Khot "A Research on Breast Cancer Detection using Mammography", International Journal of Innovative Technology and Exploring Engineering (IJITEE) vol.9, issue no. 1, pp.3459-3463 November 2019. (Scopus Indexed).	ISSN: 2278-3075	--	02
		S. S. Ittannavar, R. H. Havaladar, B. P. Khot "Comparative Assessment of Image Processing Techniques for the Early Detection of Breast Cancer: A Review" WoS Journal Bioscience Biotechnology Research Communications Journal, Special Issue 13, Vol. No 13 (2020) PP 181-194, (ESCI Indexed).	<a href="http://dx.doi.org/10.21786/bbrc/13.13/12">http://dx.doi.org/10.21786/bbrc/13.13/12</a>	--	

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		<b>Paper Publications</b>
		<b>2018-19</b>

### Academic Research (2018-19)

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
1	Prof. S. S. Malaj	SS Kamate, SS Malaj, "Design and Implementation of IoT based Electronic Voting Machine", a journal of composition theory, Volume 12 , Issue VI, Pages: 100-105 June 2019.	ISSN : 0731-6755	--	01
2	Prof. S. S. Kamate	Akshata Hirekodi, Rakesh Patil and S. S. Kamate, "A 4-bit , 3.2 GSPS flash analog to digital converter with a new multiplexer based encoder," International Journal of Emerging Technologies and Innovative Research, vol.5, issue 8, pp. 728 – 733 , August 2018.	ISSN: 2349 – 5162	--	02
		SS Kamate, SS Malaj, "Design and Implementation of IoT based Electronic Voting Machine", a journal of composition theory, Volume 12 , Issue VI, Pages: 100-105 June 2019.	ISSN : 0731-6755	--	
3	Prof. D. M. Kumbhar	D. B. Madihalli, D. M. Kumbhar, P. V. Patil and S. S. Itannavar "Agricultural Robot," International Journal of Emerging Technologies and Innovative Research" vol.5, issue 9 , pp. 292–294, September 2018.	ISSN: 2349 – 5162	--	02
		"Comparison of DC to DC Converter for PV System to Track MPP" published paper in Journal of Emerging Technologies and Innovative Research Volume 6 Issue 6, June 2019.	ISSN-2349-5162	--	
4	Prof. S. S. Patil	N. M. Patel, S. S. Patil, M. A. Navi and N. B. Kanwade, "Design of pipelined RISC MIPS processor (8 - Bit) using VLSI technology," International Journal of Engineering Research and Application, vol. 8, issue 9 (Part II), pp.01-05, September 2018.	10.9790/9622-0809020105 or ISSN : 2248 – 9622	--	02
		Mr. Sachin S Patil, "Innovative Hybrid Power Generation on Highways", A Journal of Composition Theory, Volume XII, Issue VI, June 2019.	ISSN:0731-6755	--	



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**Paper  
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**2018-19**

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
5	Prof. N. M. Patel	N. M. Patel, S. S. Patil, M. A. Navi, and N. B. Kanwade, "Design of pipelined RISC MIPS processor (8 - Bit) using VLSI technology," International Journal of Engineering Research and Application, vol. 8, issue 9 (Part II), pp. 01-05, September 2018.	10.9790/9622-0809020105 / or ISSN : 2248 – 9622	--	02
		N. M. Patel , P. V. Patil , G. M. Alan, P. B. Done, "Design of pipelined RISC MIPS processor (16 - Bit) using VLSI technology," International Journal of Emerging Technologies and Innovative Research, vol.5, issue 9, pp. 143-152, September 2018.	ISSN : 2349 – 5162	--	
6	Prof. D. B. Madihalli	D. B. Madihalli, D. M. Kumbhar, P. V. Patil and S. S. Itannavar "Agricultural Robot," International Journal of Emerging Technologies and Innovative Research" vol.5, issue 9 , pp. 292–294, September 2018.	ISSN: 2349 – 5162	--	02
		D.B. Madihalli, Aruna Chougala, "Advanced Home Automation System using Raspberry Pi ", Journal of Emerging Technologies and Innovative Research, Vol.6, issue 6 , pp. 982-985, June 2019.	ISSN : 2349-5162	--	
7	Prof. P. V. Patil	A. R. Patil , P. V. Patil , Rajeshwari Khot, Laxmi Patil and Anusha Fernandes "Implementation of data encryption standard algorithm using verilog," International Journal of Emerging Technologies and Innovative Research, vol.5, issue 8 , pp.734–746, August 2018.	ISSN : 2349 – 5162	--	03
		D. B. Madihalli, D. M. Kumbhar, P. V. Patil and S. S. Itannavar "Agricultural Robot," International Journal of Emerging Technologies and Innovative Research, vol.5, issue 9, pp. 292–294, September 2018.	ISSN: 2349 – 5162	--	
		N. M. Patel , P. V. Patil , G. M. Alan and P. B. Done, "Design of pipelined RISC MIPS processor (16 - Bit) using VLSI technology," International Journal of Emerging Technologies and Innovative Research, vol.5, issue 9, pp. 143-152, September 2018.	ISSN : 2349 – 5162	--	



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2018-19

Sl. No.	Name of the Faculty	Publication details	DOI	Citation	No. of Publications
8	Prof. S. S. Ittannavar	D. B. Madihalli, D. M. Kumbhar, P. V. Patil and S. S. Ittannavar "Agricultural Robot," International Journal of Emerging Technologies and Innovative Research" vol.5, issue 9 , pp. 292-294, September 2018.	ISSN: 2349 – 5162	--	03
		B. P. Khot and S. S. Ittannavar, "Accident Prevention and Security System for Vehicles using Multi Sensors", International Journal of Emerging Technologies and Innovative Research, vol.6, Issue 6, pp. 413-416, June 2019.	ISSN: 2349-5162	--	
		S. S. Ittannavar, B. P. Khot and R. H. Havaldar "Comparative Analysis of Mammogram Enhancement using Weiner filter for Early Detection of Breast Cancer", A Journal Of Composition Theory vol.12, issue no. 6, pp.90-93, June 2019.	ISSN: 0731-6755	--	
9	Prof. B. P. Khot	B. P. Khot and S. S. Ittannavar, "Accident Prevention and Security System for Vehicles using Multi Sensors", International Journal of Emerging Technologies and Innovative Research, vol.6, Issue 6, pp. 413-416, June 2019.	ISSN: 2349-5162	--	02
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