

**DEPARTMENT OF ELECTRONICS AND INSTRUMENTATION ENGINEERING
BASAVESHWAR ENGINEERING COLLEGE (AUTONOMOUS), BAGALKOT**

LIST OF PUBLICATION

Sl. No	Name of the faculty	Academic year	No. of Publications			
			National Journal	International Journal	National Conference	International Conference
01	Prof. Krishnamurthy Bhat	2015-16	-	3	-	1
		2014-15	1	2	-	4
		2013-14	-	2	-	4
		2012-13	-	1	-	-
02	Prof. Chayalakshmi C.L.	2015-16	1	2	-	1
		2014-15	-	2	-	1
		2013-14	-	-	-	2
		2012-13	-	1	-	1
03	Prof. M.A. Sutagundar	2015-16	-	-	-	1
		2014-15	-	1	-	1
		2013-14	-	-	-	1
		2012-13	-	-	-	1
04	Prof. M.G. Kambalimath	2015-16	-	-	-	-
		2014-15	-	-	-	-
		2013-14	-	-	-	1
		2012-13	-	-	-	-
05	Prof. V.S. Jigajinni	2015-16	-	-	-	-
		2014-15	-	-	-	2
		2013-14	-	-	-	1
		2012-13	-	1	-	-
06	Prof. S.B. Kumbalavati	2015-16	-	-	-	1
		2014-15	-	2	1	-
		2013-14	-	1	-	-
		2012-13	-	-	-	1

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Publication Details

1. **Krishnamurthy Bhat**, Bharati Meti, K. Chandrasekhar, “Automation technique for online transesterification process of biodiesel plant in India,” *International Journal of Bio-technology and Research (IJBTR)*, ISSN (O): 2249-796X; ISSN (P): 2249-6858, Volume 6, Issue 1, February 2016, pp. 13-18. **Awarded as Best Paper by Trans Stellar Press (TJPRC).**
2. Mangala. S. Hiremath, **Krishnamurthy Bhat**, H. M. Ravikumar, “PLC controlled suction adhesive lead screw mechanism based autonomous wall climbing robot for surface cleaning,” *International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering, IJAREEIE*, Volume 5, Issue 4, pp. 2645–2649, April 2016, DOI:10.15662/ IJAREEIE.2016. 0504085.
3. Ankur S. Mahajan, Rajashekhar Y. Pattar, **Krishnamurthy Bhat**, “Innovative technique of production of alternate fuel for liquid petroleum gas (LPG) using solar energy,” *Journal of Innovative Research and Solutions (JIRAS)*, ISSN(P): 2320 1932, ISSN(O): 2348 3636, Volume 2, Issue 1, January – June 2016, pp. 142-146.
4. Ankur S. Mahajan, Rajashekhar Y. Pattar, **Krishnamurthy Bhat**, “Innovative technique of production of alternate fuel for liquid petroleum gas (LPG) using solar energy,” *International Conference on Innovative Research and Solution, ICIRS -15*, 11 April 2015, Paper ID: JJT-IC-050-2015, Bengaluru, Karnataka, India.
5. Ankur S. Mahajan, R. Y. Pattar, R. Khamitkar, M. Akalawadi, **Krishnamurthy Bhat**, “Doctor's innovative clinic: An application of artificial intelligence and physiological sensors,” *IEEE International Conference on Advances in Human Machine Interaction (HMI)*, Doddaballapur, Karnataka, India, 2016, pp.1-5, doi:10.1109/HMI.2016.7449162.
6. Saishree Raikar D., Rohini S. Patil, **Krishnamurthy Bhat**, “A non-invasive method of measurement of Vitamin C and mineral content in Apples using ultraviolet/visible scanning,” *International Conference on Innovative Research and Solution, ICIRS -15*, 11 April 2015, Paper ID: JJT-IC-033-2015, Bengaluru, Karnataka, India.
7. Pratima Ghattarki, Shilpa Joger, **Krishnamurthy Bhat**, “Innovative method of delayed ripening of banana fruit: A boon to Indian farmers,” *International Conference on Innovative Research and Solution, ICIRS -15*, 11 April 2015, Paper ID: JJT-IC-030-2015, Bengaluru, Karnataka, India.
8. Ankur S Mahajan, **Krishnamurthy Bhat**, “A smart car: synergetic combination of low cost multiple sensors for safety and accident prevention”, *International Research Journal of Engineering and Technology (IRJET)*, Volume 2, Issue 8, ISSN (P): 2395-0072, ISSN (O): 2395 -0056, November 2015, pp. 1-4.
9. Sangeeta Jadhav, **Krishnamurthy Bhat**, A.V. Sutagundar, “PLC based remote guided vehicle for filling and disposal of toxic chemical for unmanned applications,” *MAT Journal of Electronic Design Engineering*, Volume 1, Issue 1-2, 2015, pp. 1-6.
10. Sangeeta Jadhav, A.V.Sutagundar, **Krishnamurthy Bhat**, “PLC based remote guided vehicle for filling and disposal of toxic chemical for unmanned applications”, *Proc. of Int. Conf. on Advances in Computer Science and Application, CSA*, Grenze Publication, Grenze ID: 02.CSA.2015.4.10, Grenze Scientific Society, 2015.

11. **Krishnamurthy Bhat**, R. N. Herkal, "An Electro-mechanical system for prevention of wastage of cold water stored in hot water pipeline," *Official Journal of Patent Office*, India, Issue 22/2015, 29-05-2015, pp. 36360 (Patent Application No. 2453/CHE/2015).
12. V. Hallur, B. Atharga, A. Hosur, B. Binjawadagi, **Krishnamurthy Bhat**, "Design and development of a portable instrument for the detection of artificial ripening of banana fruit," *IEEE International Conference on Circuits, Communication, Control and Computing (I4C)*, Bangalore, Karnataka, India, 2014, pp. 139-140, doi: 10.1109/CIMCA.2014.7057776.
13. **Krishnamurthy Bhat**, Prasad Umargi, Somesh N., Akshata K., "GSM and GPS based automatic detection of crime using infrared camera and enhancing ambulance and cop assistance for accidents," *8th IRF International Conference on Electrical, Electronics, Computer Science, Management and Mechanical*, ISBN: 978-93-84209-12-4, Pune, 4 May 2014.
14. Rohini N. Hongal, Roopa G. Sunagad, Shruti A. Gombi, Rohankumar Patil, **Krishnamurthy Bhat**, "A technical method of extraction of gold from e-waste: a multi-sensor based method using microcontroller," *International Journal of Research in Engineering and Technology (IJRET)*, ISSN (O) : 2319-1163, ISSN (P) : 2321-7308, Volume 3, Special Issue 7, May-2014, pp. 94-97.
15. Rohini N. Hongal, Roopa G. Sunagad, Shruti A. Gombi, Rohankumar Patil, **Krishnamurthy Bhat**, "A technical method of extraction of gold from e-waste: A multi sensor based method using microcontroller," *International conference on Trends in Technology for Convergence (TITCON-2014)*, 8th -9th April 2014, AVS Engineering College, Salem, Tamilnadu, India.
16. **Krishnamurthy Bhat**, Subhash N., Veeresh Muttagi, "An intelligent method of built in free fall detection and protection system with algorithm for smart phones using parachute and air-bag," *IEEE International conference for convergence of technology (I2CT- 2014)*, Sharadchandra Pawar college of Engineering, Pune, Maharashtra, India, 6 – 8 April 2014.
17. **Krishnamurthy Bhat**, Subhash N. Uppin, Veeresh S. Muttagi, Prashant P. Devaravar, Venkatesh.T.Pujari, "A novel method of smart phone protection using parachute and air-bag techniques by built in freefall detection," *IRD - International Journal of Recent Advances in Engineering & Technology (IJRAET)*, ISSN (Online): 2347 - 2812, Volume 2, Issue 1, pp. 26-29, January, 2014.
18. C.C. Gavimath, **Krishnamurthy Bhat**, C.L. Chayalakshmi, R. S. Hooli, Ravishankera, "Design and development of versatile saline flow rate measuring system and GSM based remote monitoring device," *International Journal of Pharmaceutical Applications*, ISSN 0976-2639, Volume 3, Issue 1, 2012, pp. 277- 281.
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21. **Chayalakshmi C. L., Krishnamurthy Bhat**, B.G. Sheeparamatti, "Tilt angle measurement using ARM processor and transmission of data using CAN protocol," *31st National Symposium on Instrumentation, NSI- 31*, Instrument Society of India, 2006, ITM, Gwalior, M.P, India, pp.173.
22. **Chayalakshmi C. L., Krishnamurthy Bhat**, B.G. Sheeparamatti, "Acceleration & Tilt angle measurement using accelerometer IC and transmission of data using CAN protocol," *3rd National Conference on Control & Instrumentation System, CISCON-2006*, Manipal Institute of Technology, Manipal, Karnataka, India, Nov 3-4, 2006, pp. 85-88.

23. **R. S. Allurkar**, H. K. Verma and S. M. Iddalagi, "Frequency Compression of Speech for the Hearing Impaired: An FBS Approach," *Proceedings of the 7th international conference on signal processing, computational geometry & artificial vision*, Athens, Greece, 2007.
24. **R. S. Allurkar**, H. K. Verma and Shridhar, "Hearing Aids: Then, Now and the Future," *Proceedings of the international conference on innovative technologies and education of the deaf/hard of hearing deafexpo-2007*, Coimbatore, India, 2007.
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27. **R. S. Allurkar**, S.G. Koolagudi and N. R. Aiholi, "Technical Education: Challenges Ahead and Remedies Within," Paper presented at *AICTE sponsored National seminar on "Technical Education and Challenges in the New Millennium"*, Bagalkot, India, 2001.
28. **Chayalakshmi C.L.**, D.S. Jangamshetti, Savita Sonoli, "Parameter Optimization for Forecasting of Boiler Losses and Efficiency using Statistical Model," *Journal of control and Instrumentation Engineering*, Vol. 2, Issue 1, May 2016, pp. 1-19.
29. **Chayalakshmi C.L.**, D.S. Jangamshetti, Savita Sonoli, "Time Series Analysis and Forecasting of Boiler Efficiency," *International Journal on Electronics, Communication and Instrumentation Engineering Research and Development*, ISSN (Print): 2249-684X, EISSN: 2249-7951, Impact factor (JCC):5.2896, IC value (Index Copernicus Value): 3.0, NAAS Rating: 2.23, February 2016, pp. 1-8.
30. Raikar Saishree D., Rohini S. Patil, Beerappa Tirlapur, Pranav K., **Chayalakshmi C.L.**, "Detection of Nutritional Disorders in Pepper and Pomegranate Plants using MATLAB and LabVIEW," *International Journal of Engineering Research in Electronics and Communication Engineering*, Vol. 2, Issue 12, December 2015, pp. 19-23.
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32. Bhagyashree, Pooja K., **Chayalakshmi C.L.**, "Personnel Health Care Monitoring System using Smart Phone," *International Conference on Innovative Research and Solution*, ICRS -15, 11 April 2015, Paper ID: JJT-IC-032-2015, Bengaluru, Karnataka, India.
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35. **Chayalakshmi C.L.**, D.S. Jangamshetti, Savita Sonoli, "ARM 7 Based Automatic Soot Blower Control System," *International Journal on Instrumentation and Control System (IJICS)*, Vol. 4, No. 3, ISSN: 2249-1147, DOI: 10.5121/ijics.2014.4302, July 2014, pp.11-19.
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38. **Manjula Sutagundar**, Nirosha H., B.G.Sheeparamatti, "Artificial Neural Network Modelling of MEMS Cantilever Resonator Using Levenberg Marquardt Algorithm," *IEEE International Conference on Applied and Theoretical Computing and Communication Technology*, SJBIT, Bengaluru, July 2016
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45. **M. G. Kambalimath**, M.S. Kakkasageri, S.S Manvi "Reliable data Delivered in Vehicular Ad hoc Networks," *Eighth International Conference on Broadband and Wireless Computing, Communication and Applications*, France, October 28th to 30th 2013.
46. **V.S. Jigajinni**, "ANFIS based fault diagnosis tool for a typical small aircraft fuel system," at International conference ICICCD-2016 organised by department of Electronics, Instrumentation and control engineering at UPES Dehradun on 2nd and 3rd April 2016.
47. **V.S. Jigajinni**, "Modelling of incipient fault detection and diagnosis in DC motor using simulink," at ICCICN-14 organised by Dept. of Information Technology, RCC Institute of Information Tech., Kolkata, India during Nov 14-16 2014
48. **V.S. Jigajinni**, "Combined effect of electrical signal and accumulator in hydraulic cylinder," at National conference FMNP-2013 organized by NIT, Hamirpur, H P, during 12th to 14th Dec 2013.
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51. **Santosh B. K**, J. D. Mallapur, Supriya H, and Tej H, "Optimization of fuzzy cluster nodes in cellular multimedia networks," *Proceedings of International Conference on signal processing, communication and networking (ICSPCN-2013)*, 05th - 06th June 2013, organised by World Academy of Science, Engineering and Technology, New York, USA.
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55. **S.B. Kumbalavati**, V.H. Sorgavi, Savitri Balundagi, Shabnam Mulla, "Droid alert system Using 3G network", *International Journal of Informative and Futuristic Research (IJIFR)*, Volume 2, Issue 21, May 2015, ISSN 2347-1697, pp. 3235-3241.
56. **S.B. Kumbalavati**, J. D. Mallapur, "Third party intervened vertical handover in heterogeneous networks," *3rd IEEE International Conference on Electronics and Communication Systems*, 25th -26th February 2016, Coimbatore, India.