

B. V. V. Sangha's
Basaveshwar Engineering College (Autonomous), Bagalkot
Department of Electronics And Instrumentation Engineering

Research Publications till Date

Books:

- 1) R. S. Allurkar , Renuka Allurkar, “*Control Systems*”, EBPB, 2004.
- 2) R. S. Allurkar, Renuka Allurkar, “*Logic Design*”, CBS Publishers and Distributors, 2009.

Book Chapters:

1. **Krishnamurthy Bhat**, Chayalakshmi C. L., “Microcontroller Based Semi Automated Pineapple Harvesting System,” International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2020), International Conference on Mobile Computing and Sustainable Informatics, ICMCSI 2020, EAI/Springer Innovations in Communication and Computing, Springer, Cham. https://doi.org/10.1007/978-3-030-49795-8_37, ISBN(P): 978-3-030-49794-1, ISBN(O): 978-3-030-49795-8, pp. 383-392, December 2020.
2. Chayalakshmi C. L., **Krishnamurthy Bhat**, “Microcontroller Based System for Preserving Vegetables,” International Conference on Mobile Computing and Sustainable Informatics (ICMCSI 2020), International Conference on Mobile Computing and Sustainable Informatics, ICMCSI 2020, EAI/Springer Innovations in Communication and Computing, Springer, Cham. https://doi.org/10.1007/978-3-030-49795-8_38, ISBN(P): 978-3-030-49794-1, ISBN(O): 978-3-030-49795-8, pp. 393-399, December 2020.
3. Chayalakshmi C.L., Jangamshetti D.S., Sonoli S. (2013) Real Time Remote Monitoring and Measurement of Loss due to Dry Flue Gas for an Industrial Boiler. In: Das V. (eds) Proceedings of the Third International Conference on Trends in Information, Telecommunication and Computing. Lecture Notes in Electrical Engineering, vol 150. Springer, New York, NY. https://doi.org/10.1007/978-1-4614-3363-7_77
4. Chayalakshmi C. L., Bhat K., “Microcontroller Based System for Preserving Vegetables”, Chapter No. 38, , pp. 393–399, International Conference on Mobile Computing and Sustainable Informatics, EAI/Springer Innovations in Communication and Computing, 2021, https://doi.org/10.1007/978-3-030-49795-8_38
5. Bhat K., Chayalakshmi C. L. , “Microcontroller-Based Semiautomated Pineapple Harvesting System”, Chapter no. 37, pp. 383–392, Raj J.S. (eds) International Conference on Mobile Computing and Sustainable Informatics. ICMCSI 2020. EAI/Springer Innovations in Communication and Computing. Springer, Cham, 2021, https://doi.org/10.1007/978-3-030-49795-8_37

6. Poorna B.Bhagawati, Satish G. Muttagi, Prashant B.Bhagawati, Sandip S. Sathe, Abhijit M. Zende, “An Experimental Study on Benzo[a] Pyrene Concentration in Particulate Matter at Industry Area of Bangalore”, Chapter No:4, pp.53-62, Environmental Process and Management, Water Science and Technology Library, Volume 91, Springer Book. February, 2020. https://doi.org/10.1007/978-3-030-38152-3_4
7. S.B. Kumbalavati, J.D. Mallapur, Abhijeet R. Talawar, Abhishek R.Talawar, “One Step Technological Solution for Agriculture”, book chapter in ICT for Competitive Strategies, pp.713-719, May 2020

Journals:

1. Chayalakshmi C. L., **Krishnamurthy Bhat**, B.G. Sheeparamatti, “Tilt Angle Measurement using Accelerometer IC and Communicating the Data between ARM Processors using CAN Protocol”, Journal of The Instrument Society of India, Volume 38, No. 2, June 2008, pp. 156-164.
2. 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.
3. **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.
4. 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.
5. **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).
6. 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.
7. 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, pp. 142-146, January – June 2016.
8. 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.

9. **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).**
10. **Krishnamurthy Bhat**, Bharati Meti, K. Chandrasekhar, "Consolidation of available methods and design of a reliable physicochemical system for transesterification progress monitoring in bio-diesel reaction chamber," International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol. 3, Issue 6, June 2016, Impact factor: 4.45, pp. 2334-2338.
11. Lakshmi Kadlimatti, Jyothi Hiremath, **K. Bhat**, "Design and development of automatic urine analyzer suitable for public toilets and transmission of vital composition to user's registered cell phone," International Research Journal of Engineering and Technology (IRJET), e-ISSN: 2395-0056, p-ISSN: 2395-0072, Vol. 3, Issue 7, July 2016, Impact factor: 5.181, pp. 741-744.
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13. **Krishnamurthy Bhat**, Soubhagya Hiremath "Overview of prime mineral content of Indian green leafy vegetables and a proposed non-invasive technical method of their estimation," International Journal of Science and Research Development (IJSRD), Vol. 5, Issue 9, November 2017, pp. 829-831, Impact factor: 4.396.
14. Ankur Mahajan, **Krishnamurthy Bhat**, "Innovative Technique of Production of Electric Power from Kinetic Flow of Water Flow in Pipelines," International Journal of Latest Technology in Engineering, Management & Applied Science (IJLTEMAS) Volume VIII, Issue IX, September 2019 | ISSN 2278-2540, pp. 101-103.
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17. Arathi Nashi, Husnara Pinjara, Deepti Challagidad, Savita Girijavvagol, **Krishnamurthy Bhat**, "Plate Wiper: A Novel Plate Washing Machine using Dry Sand and Wiper to Save Water," International Journal of Advanced Science and Technology, Vol. 29, No. 10S, 2020, pp. 4134-4138, <http://sersc.org/journals/index.php/IJAST/article/view/21103/10674>.
18. Chayalakshmi C. L., Krishnamurthy Bhat, B. G. Sheeparmatti, "Tilt angle measurement using accelerometer IC and communicating the data between ARM processors using CAN protocol," National symposium on Instrumentation (NSI-31), Gwalior, India, pp.173, October 2006.
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22. Chayalakshmi C. L., D. S. Jangamshetti, Savita Sonoli, “Monitoring Boiler Efficiency using DASY Lab and a Case Study on Analysis of Boiler Losses,” International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering, impact factor:3.885, DOI:10.17148/IJIREEICE.2015.3616, Vol. 3, Issue 6, ISSN: 2321-2004, pp. 68-74, June 2015.
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Conferences:

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