


Faculty Information:

| Sl.No | Information | |
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| 1. | Name: Contact Address: Phone Number: Email Address: | Mr. L. Kumaraswamy Associate Professor of Department of E&E Engg. 9449755991 lk.swamy@rediffmail.com , lks@mcehassan.ac.in |
| 2. | Qualification | B.E., M.E., ➤ B.E.- Electrical and Electronics Engineering, 1988, Malnad College of Engineering, Hassan (Affiliated to University of Mysore), First Class ➤ M.E. - Electrical Engineering - High Voltage Engineering, January 2002, Equivalent to First Class (CGPA 5.6/8.0), Indian Institute of Science, Bangalore. |
| 3. | Date of Joining | 08.10.1990 |
| 4. | Position Held | Associate Professor of EEE |
| 5. | Research Interest | Academic Activities of Interest: Guiding PG and UG Students Participating in Workshops and Seminars at National and International Levels, delivering Technical Lectures and e-Lectures on topics of current day technology and research at various academic and industrial platforms, Student counseling for industrial visits, term projects and seminars, Book/ Technical Report Writing, etc. |
| 6. | Publications | ➤ MS Raviprakash, KN Balasubramanya Murthy, HN Suresh & L Kumaraswamy, <i>Voltage stability vis-a-vis reactive power compensation in AC transmission lines</i> , National Conference on Trends in large interconnected power systems (TRIPS-98) , REC, Warangal, India, 14-15, February 1998, pp. 2.29-2.36. ➤ H.N. Suresh, H.G. Gopal, M.S. Raviprakash, N.S. Jyothi, and L. Kumaraswamy, "ANN based load prediction from the Energy Management perspective", Proceedings of the National Conference, March 2 – 3, 2002, Annamalai University, Annamalainagar, pp 107-112. ➤ L. Kumaraswamy, H. M. Manjunatha, <i>Fuzzy Logic Based Speed Control of DC Motor with Real time interface using 8-bit microcontroller</i> , Proceedings of International Conference on Emerging Trends in Engineering, NMAIT, Nitte, Karnataka, May 15 th -16 th 2012, pp. 402-407. ➤ Manjunath H. M., Kumaraswamy L. and Purushothama G. K., <i>Comparative Analysis of PID and Fuzzy PI Controller for Speed Control of DC Motor</i> , International Journal of Multidisciplinary Research and Advances in Engg. (IJMRAE), ISSN 0975-7074, vol. 6, No. II (April 2014), pp. 487-500. ➤ Kumaraswamy L., Purushothama G. K., Vidya H. K., Meghana K. M., <i>Fault Diagnosis of VSI fed Induction Motor Drive using Fuzzy Logic Approach</i> , Proceedings of 1 st IEEE National Conference on Electrical & Electronics Engg., NCEEE-2014, 5 th June 2014, HKBK College of Engg., Bangalore. |

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| 7. | Workshops Coordinated | |
| | | <ul style="list-style-type: none"> ➤ On “Safety, Testing, Maintenance & Protection of Electrical Equipments”, from 16th to 20th Jan. 2006 under TEQIP. ➤ Co-coordinator, field theory Committee, fourth semester curriculum workshop on Electrical Sciences composite Board, MCE, Hassan, 2003. ➤ “A refresher course in Physics for high school teachers” conducted at PESCE, Mandya, between 24th and 26th August 2007, jointly with Department of Physics. ➤ Conducted one-day STP on "Design Thinking as an Alternate Approach to Problem Solving" held on 1st Sept. 2018, sponsored by TEQIP III. ➤ Conducted three-day STP on "Real Time Analysis of Systems using MATLAB" held during 1st - 3rd Oct. 2018, sponsored by TEQIP III. |
| 8. | Honors and Awards | <ul style="list-style-type: none"> ➤ Three times Awarded as Best Project Guide |
| 9. | Resource Person | <ul style="list-style-type: none"> ➤ Delivered a lecture in “A refresher course in Physics for high school teachers” conducted at MCE Hassan between 1st and 3rd December 2006, jointly with Department of Physics. ➤ Delivered a lecture in “A refresher course in Physics for high school teachers” conducted at MCE Hassan, between 8th and 12th August 2007, jointly with Department of Physics. ➤ Delivered a lecture in One day workshop on “Electrical Awareness to House Wives” conducted at MCE Hassan on 22nd September 2007. ➤ Delivered a lecture in One day workshop on “Electrical Safety in Domestic Sector” conducted at MCE Hassan on 18th November 2007. ➤ Delivered a lecture in National workshop on “Recent Advances in High Voltage Measurement Techniques” conducted at MCE, Hassan, during 22nd -24th March 2007 ➤ Delivered a lecture on “High Voltage Systems” at Master Control Facility, Hassan. ➤ Delivered a lecture on “Field Theory” in EDUSAT programme-13 conducted by VTU e-learning centre from March 2006 to June 2006. ➤ Delivered a lecture on “Analog Electronics Circuit Laboratory” in EDUSAT programme-15 launched by VTU e-learning centre from Aug.2011 to Jan.2012. ➤ Delivered a lecture titled "Introduction to FACTS controllers" in AICTE sponsored FDP on "Emerging Trends in Power System Research" held during 23rd Dec.2013 to 3rd Jan.2014 organised by department of E&E Engg., MCE, Hassan. ➤ Delivered a lecture on "Fuzzy Logic and its applications" organised |

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| | | <p>by Dept. of E & E Engineering, SSIT, Tumkur.</p> <ul style="list-style-type: none"> ➤ Delivered a lecture on "Introduction to Fuzzy Logic and its applications" organised by Dept. of Mathematics, MCE, Hassan on 31st July 2014. ➤ Resource person for the one-day workshop on "Specifications, Wiring and Protection of Electrical Appliances" organized by IIC, MCE, Hassan on 18th Feb. 2021. |
| 10. | <p>Faculty Development Program/ Workshop/STTP Attended:</p> | <ol style="list-style-type: none"> 1. STTP attended on "Robotics for Industrial Applications", held at MCE, Hassan, during 15–27, March 1999. 2. STTP attended on Recent Advances in Chemical, Electro-Chemical & Nuclear Energy Systems, at PES College of Engg., Mandya, during 21-31, Oct. 1999. 3. STTP attended on "Recent Trends & Applications in HV Insulation", held at BIET, Davanagere, during 13th-24th Jan. 2003. 4. STTP attended on "FACTS Controllers & Applications", National Institute of Technology, Calicut, during 30th June-12th July 2003. 5. STTP attended on "Recent Trends in Material Science & Mathematical Modelling", held at SJCE, Mysore, during 28th July-9th Aug. 2003. 6. Training Programme attended on "Embedded System Design", held at Malnad College of Engg., Hassan, during 29th Sept.-6th Oct.2005. 7. Attended the development Programme on "FEEL –Teacher", held at MCE, Hassan, from 2nd July-5th July 2005. 8. Attended workshop on "Achieving Performance Targets" held at CII, Institute of Quality, Bangalore, from 11th -12th July 2006. 9. STTP Attended on "Basics of CAD/CAM/CAE Tools", held at MCE, Hassan, from 14th -19th Aug 2006. 10. STTP Attended on "Mathematical Modeling of Engineering Problems", held at MCE, Hassan, from 8th -10th Aug 2006. 11. STTP Attended on "Advances in Turbo machines", held at MCE, Hassan, from 11th -15th Sept. 2006. 12. STTP Attended on "Recent Advances in Materials & Manufacturing", held at MCE, Hassan, from 21st -25th Aug 2006. 13. Short Term Course on "Electromagnetics", held at IISc, Bangalore, from 27th Nov.2006-1st Dec. 2006. 14. Trainers' Training Programme on "Project Ideation and Implementation" organized by Entrepreneurship Development Cell, VTU, Belgaum, held at MSRIT, Bangalore, from 23rd -28th April 2007. 15. Attended the National Workshop on "Energy Auditing & Demand Side Management", held at MCE, Hassan, during 26-27, June 1998. 16. Attended the Workshop on "PSPICE Simulation", held at BMS College of Engg., Bangalore, during 12th-13th April 2000. 17. Attended the National Workshop on "Applications of Info COM Technologies", held at EWIT, Bangalore, during 2nd-3rd March 2003. 18. Attended a month training program "Train the trainer" on Industrial Automation Technology during 6th Dec. 2010 to 6th Jan. |

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| | | <p>2011 conducted by REXROTH BOSCH group and VTU at VTU-BR Centre of competence in Automation Technology, Mysore.</p> <p>19. Attended the three days workshop on "Deriving Program Educational Objectives/ Course Outcomes/ Assessments for NBA Self Assessment Report" held at MCE, Hassan under the assistance of TEQIP-II during 11th-13th July 2013.</p> <p>20. Attended one day National workshop on "Patents and Innovations" held at MCE, Hassan in association with SPFU, Govt. of Karnataka, Bengaluru under TEQIP 1.2-Phase II, on 31st Aug.2013.</p> <p>21. Attended AICTE Sponsored Faculty Development Programme on "Emerging Trends in Power System Research" held during 23rd Dec. 2013 to 3rd Jan. 2014 organized by Department of E&E Engg., MCE, Hassan.</p> <p>22. Attended the TEQIP-II sponsored workshop on "Dissertation Report and Thesis Writing Skills" held on 18th Dec. 2014 organized by Department of E&E Engg., MCE, Hassan.</p> <p>23. Attended the TEQIP-II sponsored Faculty Development Programme on "Effective Teaching and Pedagogical Practices" held during 9th-11th Oct. 2015 organized by Centre for Educational Technology, IIT Kharagpur.</p> <p>24. Attended Continuing Education Programme course on "End to End Innovation" conducted by IIT Bombay during 07th-11th March 2017.</p> <p>25. Attended Continuing Education Programme course on "Digital Control Systems" conducted by IIT Bombay during 23th-25th March 2017.</p> <p>26. Attended Industrial Training on "Automation Technology" conducted by Rexroth- Bosch Group during 27th -28th March 2017.</p> <p>27. Attended One Week FDP on "Recent Developments in Solar and Wind Energy System for On/Off Grid Applications" held from 9th - 13th July, organized by Department of E&E Engg., MCE, Hassan under TEQIP-III.</p> <p>28. Attended Continuing Education Programme course on "Scientific Computing with Python for Electrical Engineers" conducted by IIT Bombay during February 11th-15th 2019.</p> <p>29. Attended AICTE Sponsored One Week STTP on "Recent Developments in Renewable Energy Sources and Conversion Systems for On/Off Grid Applications" conducted by MCE, Hassan during 9th - 14th Dec. 2019.</p> <p>30. Participated in one week online FDP through webinar on "IoT and Wireless Sensor Networks" conducted by Brindavan College of Engineering, Bengaluru during 27th – 31st July 2020.</p> |
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| 11. | Memberships | <ul style="list-style-type: none"> ➤ <i>Life member: Indian Society for Technical Education (ISTE) (LM-24105)</i> ➤ <i>Life member : "The Institute of Engineers (India)" with membership number: M-132263-4</i> ➤ <i>Life Member: All Karnataka Engg. College Teachers' Association (AKECTA)</i> |
| 12. | Patents | Nil |
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