


FACULTY PROFILE

Name	: Dr. Kirankumar B. Balavalad	
Designation	: Assistant Professor	
Department	: Electronics & Communication Engineering	
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Orcid ID	: <u>0000-0002-0502-3063</u>	
Scopus ID	: <u>35291214500</u>	
Vidwan Id	: 125021	
Researcher ID (Web of Science)	: <u>AAI-1861-2021</u>	
Google Scholar ID	: <u>https://scholar.google.com/citations?user=TtJba54A</u>	
Qualification	: B.E, M. Tech, Ph. D	
Professional Experience		
Teaching experience	: 12	
Industry experience	: NIL	
Administrative Responsibilities	: <ol style="list-style-type: none"> 1. Member for research proposal submission, 2021. 2. Member online examinations committee, 2020. 	

		<ol style="list-style-type: none"> 3. SPOC for NPIU-MHRD sponsored implementation of SMARTH ERP at college, 2020. 4. Faculty incharge in procurement of Desktop Computers (52 no.) for Package: BACP10), (PMSS) under TEQIP – III, 2019 5. Faculty incharge in procurement of Desktop Computers (105 no.) for Package: Shopping), (PMSS) under TEQIP – II, 2017. 6. Faculty incharge in procurement of Laptops (20 no.) & Printers (10 no.) for Package: BALPS (Shopping), (PMSS) under TEQIP – II, 2016. 7. Faculty incharge in procurement of Desktop Computers (52 no.) for Package: DGS&D (Direct Contract), (PMSS) under TEQIP – II, 2015. 8. Assisting Procurements under TEQIP-II, as PMSS consultant, at BEC Bagalkot, 2014.
No. of Projects Guided		
UG	:	40
PG	:	14
Research Interest Area	:	Micro-Electro Mechanical Systems, MEMS Capacitive & Piezoresistive Pressure Sensors, MEMS Electro-thermal Actuators, Digital Image Processing, Multimedia Networks, Computer Communication Networks, Wireless networks, Embedded Systems
Grants Received	:	<ol style="list-style-type: none"> 1. Received research grant of Rs. 12 Lakh from VTU under RGS scheme for the research proposal entitled “Development and Characterization of Microcantilever for Chemical Sensing: March 2022.
Membership in professional bodies	:	<ol style="list-style-type: none"> 1. Life Member, “Institute for Smart Structures and Systems [ISSS]” 2. Senior Member, “IEEE [Institute of Electrical and Electronics Engineers]” 3. Member, “IEEE-SIGHT”
Activities in Professional Bodies	:	<ol style="list-style-type: none"> 1. Chair Special Interest Group on humanitarian Technology (SIGHT), 2021, ongoing 2. ExeCom Member IEEE-NKSS, 2022, ongoing 3. Member Secretary of IEEE – North Karnataka subsection, 2019-2021. 4. Organizing Committee member for “International conference, held at VIT, Bengaluru. 5. Reviewer for International Conference on Signal Processing Systems, AUT University, Auckland, Newzeland, ICPS 6. Technical committee member for 2015 International Conference on Remote Sensing and Development AUT University, Auckland, Newzeland, ICRSD
Book/Book Chapters	:	<ol style="list-style-type: none"> 1. Somnath Pidashetti and Kirankumar B. Balavalad “Design and Analysis of Silicon nanowire based Piezoresistive Pressure Sensor for Medical Applications”, in book chapter titled “Smart Intellignet Computing and Applications” Vol. 2, Springer Publication. 2. Dr. B. G. Sheeparamatti and Dr. Kirankumar B. Balavalad, “Nityajeevanadalli Upayogisalpaduva Sanvedakagala Tantragyana”, VTU kannada Book Series 2022.
Journals (with citations)	:	<ol style="list-style-type: none"> 1. Kirankumar B. Balavalad, Praveenkumar B. Balavalad & Somanath Pidashetti, “Optimization of Nano Capacitive Pressure Sensor for Medical Applications”, IOP Conference. Series.: Material Science and Engineering, ISSN: 1065 012050, Feb. 2021. (Indexing: Scopus, SCImago, Impact

Factor: 0.6, level Q3, sjr: , H index: 31)

2. Ayappa Vajjaramatti, **Kirankumar B. Balavalad** & Ashokkumar M., “Design, Simulation and Analysis of NEMS based Piezoresistive Pressure Sensor”, International Journal of Engineering Research and Technology-IJERT, ISSN-2278-0181, vol. 09, Issue-07, July 2020.
3. Ashokkumar M., **Kirankumar B. Balavalad** & Ayappa Vajjaramatti, “Design and Simulation of Silicon Nanowire based Nano Capacitive Pressure Sensor”, International Journal of Engineering Research and Technology-IJERT, ISSN-2278-0181, vol. 09, Issue-05, May 2020.
4. **Kirankumar B. Balavalad**, Ashokkumar M., Ayappa Vajjaramatti & Praveenkumar B. Balavalad, “Simulation study on MEMS based Electro Thermal Actuator for Robotic Application”, International Journal of Engineering and Techniques – IJET., Vol.-6, Issue-3, May 2020
5. **Kirankumar B. Balavalad**, Ashokkumar M & Ayyappa Vajjaramatti, “Silicon Carbide on Insulator based Pressure Sensor for High Temperature Application”, Journal of Emerging Technologies and Innovative Research-JETIR, ISSN-2349-5162, Volume 6, Issue 6, June 2019.
6. **Kirankumar B Balavalad**, Vinayak Lambi, 2019, “**High Temperature Analysis of Si, SOI & SiC Piezoresistive Pressure Sensors**”, INTERNATIONAL JOURNAL OF ENGINEERING RESEARCH & TECHNOLOGY (IJERT) Volume 08, Issue 06, June 2019.
7. **Kirankumar B. Balavalad** and B. G. Sheeparamatti, “**Fabrication and Characterization of PolySOI based micro Piezoresistive Pressure Sensor for Harsh Environment Applications**”, **J. Microsystem Technologies, Springer**, vol.25, issue 11, page: 4119-4133, ISSN: 1432-1858, DOI: 10.1007/s00542-019-04358-7, February 2019. (**Indexing: Scopus, SCImago, Impact Factor: 1.7: level: Q2, sjr: 0.35, H index: 59**) , **citations: 11**
8. Vijaykumar S. Sandrimani and **Kirankumar B. Balavalad**, “**Design and Simulation of Silicon on Insulator based Piezoresistive Pressure Sensor**”, International Journal of Engineering Science and Computing, IJESC, vol. 8, issue 8, August 2018, **citations: 02**
9. Predeep Chikkalaki, **Kirankumar B. Balavalad**, “**Electronic Repellent for Euducima Materna: a Fruit Piercer/Sucking moth**”, International Journal of Engineering, Research & Technology, Volume 7, Issue 5, May 2018.
10. **Kirankumar B. Balavalad** & B. G. Sheeparamatti, “**Optimum Combination and Effect Analysis of Piezoresistor Dimensions in Micro Piezoresistive Pressure Sensor Using Design of Experiments and ANOVA: a Taguchi Approach**” Sensors & Transducers, Vol. 211, Issue 4, April 2017, pp. 14-21., **citations: 02**
11. **Kirankumar B Balavalad**, B G Sheeparamatti and Veekshit B Math “**Design and Simulation of MEMS Capacitive Pressure Sensor Array for Wide Range Pressure Measurement**” International Journal of Computer Applications 163(6):39-46, April 2017. **citations: 08**
12. Shruti Goudar, Ajayakumar C. Katageri, **Kirankumar B** and B. G. Sheeparamatti, “**Design and Simulation of SOI based Piezoresistive Pressure Sensor**”, International Journal of Engineering Research in Electronics and Communication Engineering (IJERECE), ISSN (Online) 2394-6849, Vol 4, Issue 1, January 2017.

13. Shwetha Meti, **Kirankumar B. Balavalad**, B. G. Sheeparmatti, “**Sensitivity Analysis of Silicon Based Micro Pressure Sensors Using Different Configurations of Meander Shape Piezoresistors**”, International Journal of Engineering Science and Computing, May 2016 (IJESC), DOI 10.4010/2016.1506 ISSN 2321 3361 © 2016 IJESC, **citations: 01**
14. Shwetha Meti, **Kirankumar B. Balavalad**, B. G. Sheeparmatti “**MEMS Piezoresistive Pressure Sensor: A Survey**” Vol. 6 – Issue 4 (April – 2016), International Journal of Engineering Research and Applications (IJERA) , ISSN: 2248-9622 , www.ijera.com. **Citation: 27**
15. **Kirankumar B. Balavalad** & B. G. Sheeparmatti, “**A Review on Evolution, Current Trends and Future Scope of MEMS Piezoresistive Pressure Sensors**”, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 4 – Issue 11, pp-321-325, (November – 2015), www.ijert.org.
16. **Kirankumar B. Balavalad**, Bhagyashree Mudhol, B. G. Sheeparmatti and Praveenkumar B. Balavalad, “**Comparative Analysis on Design and Simulation of Perforated MEMS Capacitive Pressure Sensor**”, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 4 – Issue 07 (July – 2015), www.ijert.org. **citations: 01**
17. **Kirankumar B. Balavalad**, B. G. Sheeparmatti, “**A Critical Review on MEMS Capacitive Pressure Sensors**”, Sensors & Transducers journal, IFSA publication, ISSN: 2306-8515, e-ISSN 1726-5479 Volume 187, Issue 4, pp-120-128, April 2015. **39 citations**
18. **Kirankumar B Balavalad**, B. G. Sheeparmatti. “**Sensitivity Analysis of MEMS Capacitive Pressure Sensor with Different Diaphragm Geometries for High Pressure Applications**”, International Journal of Engineering Research & Technology (IJERT), ISSN: 2278-0181, Vol. 4 – Issue 03 (March – 2015), www.ijert.org. **citations: 06**
19. Vinay Shettar, Sneha Kotin, **Kirankumar B. Balavalad** & B. G. Sheeparmatti, “**Simulation of different MEMS Pressure Sensors**”, International J. of Multidispl. Research & Advcs. In Engg.(IJMRAE), ISSN 0975-7074, Vol. 6, No. II (April 2014), pp. 73-81, 2014.
20. **Kirankumar B. Balavalad**, Ajayakumar C. Katageri, Poornima Chanal and Gururaj Kori, “**Energy Efficient Multipath Routing Protocol with Gurenteed Data Delivery for Wireless Sensor Networks**”, International Journal of Information and Education Technology, IJIET 2014 Vol.4(5): 430-435 ISSN: 2010-3689 DOI: 10.7763/IJIET. 2014.V4.444.
21. **Kirankumar B. Balavalad**, Ajaykumar C. Katageri, Balaji M. Biradar, Deepa Chavan and Basavaraj M. Angadi, “**Multipath-LEACH an Energy Efficient Routing Algorithm for Wireless Sensor Network**”, Journal of Advanced Computer Networks, 2014 Vol.2(3): 229-232 ISSN: 1793-8244 DOI: 10.7763/JACN.2014.V2.117.
22. **Kirankumar B. Balavalad**, Ajayakumar C. Katageri, Prithviraj. S. Patil, and Basavaraj M. Angadi, “**A Privacy-Preserving Location Monitoring System for WSNs with Blocking Misbehaving Users in Anonymity Networks,**” Journal of Advances in Computer Networks vol. 2, no. 4, pp. 248-253, 2014. **citations: 03**
23. Raghavendra N., **Kirankumar B. Balavalad**, B. G. Sheeparmatti, “**Modeling of Implantable Blood Pressure and Protein Sensor Using**

	<p>COMSOL/Multiphysics”, published in international Journal of Innovative Research & Studies, volume 2, issue 9, September 2013.</p> <p>24. A.V. Sutagundar, S.S. Manvi, Kirankumar B. Balavalad, “Energy efficient multicast routing Protocol for WMSN’s”, International Journal of Computer and Electrical Engineering, Vol. 2, No.3, June, 2010. citations: 20</p>
<p>Conferences</p>	<p>1. Vinayak L. and Kirankumar B. Balavalad, “Study and Analysis of Junction Leakage Current in Si & SOI based Micro Piezoresistive Pressure Sensor”, International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181, RTESIT – 2019 Conference Proceedings, Special Issue-2019, Vol. 7, Issue 8.</p> <p>2. K. B. Balavalad and B. G. Sheeparamatti, “Design, Simulation & Analysis of Si, SOI & Carbon Nanotube (CNT) based Micro Piezoresistive Pressure Sensor for a High Tmperature & Pressure,” 2018 International Conference on Circuits and Systems in Digital Enterprise Technology (ICCSDET), Kottayam, India, 2018, pp. 1-6. Doi: 10.1109/ICCSDET.2018.8821104. (Indexing: Scopus, SCImago), citations: 02</p> <p>3. Kirankumar B. Balavalad and B. G. Sheeparamatti, “Design, Simulation & Analysis of SOI based Micro Piezoresistive Pressure Sensor for High Temperature Applications”, Proc. of IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT-2018), IEEE XPLORE ISBN: 978-1-5386-2440-1, held at SVCE, Bengaluru May 18th – 19th 2018. (Indexing: Scopus, SCImago), citations: 03</p> <p>4. R. S. Jakati, K. B. Balavalad and B. G. Sheeparamatti, “Sensitivity enhancement in piezoresistive micro-pressure sensor using perforated diaphragm,” 2017 2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), Bangalore, 2017, pp. 396-399. doi: 10.1109/RTEICT.2017.8256625. (Indexing: Scopus, SCImago), citations: 03.</p> <p>5. K. B. Balavalad and B. G. Sheeparamatti, “Design simulation and analysis of piezoresistive micro pressure sensor for pressure range of 0 to 1Mpa,” 2016 International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT), Mysuru, 2016, pp. 345-349. doi: 10.1109/ICEECCOT.2016.7955243. (Indexing: Scopus, SCImago), citations: 09</p> <p>6. R. S. Jakati, K. B. Balavalad and B. G. Sheeparamatti, “Comparative analysis of different micro-pressure sensors using comsol multiphysics,” 2016 International Conference on Electrical, Electronics, Communication, Computer and Optimization Techniques (ICEECCOT), Mysuru, 2016, pp. 355-360. doi: 10.1109/ICEECCOT.2016.7955245. (Indexing: Scopus, SCImago), citations: 10</p> <p>7. S. Meti, K. B. Balavalad, A. C. Katageri and B. G. Sheeparamatti, “Sensitivity enhancement of piezoresistive pressure sensor with meander shape piezoresistor,” 2016 International Conference on Energy</p>

Efficient Technologies for Sustainability (ICEETS), Nagercoil, 2016, pp. 890-895. Doi: 10.1109/ICEETS.2016.7583874. (Indexing: Scopus, SCImago)

8. S. Bannikoppa, A. C. Katageri, **K. B. Balavalad** and B. G. Sheeparamatti, “**Design of Piezoresistive pressure sensor for enhanced sensitivity,**” *2016 International Conference on Energy Efficient Technologies for Sustainability (ICEETS)*, Nagercoil, 2016, pp. 706-710. Doi: 10.1109/ICEETS.2016.7583841. (Indexing: Scopus, SCImago), **citations: 05**
9. Prashant Hansi, B. G. Sheeparamatti, **Kirankumar B Balavalad**, “**Study of Pull-in Voltage in MEMS Actuators**”, Proceedings of Smart Structures and Systems (ICSSS), OCT 2014 International Conference, **IEEE Publication**. 978-1-4799-6506-9, pp-108 – 111, DOI: 10.1109/ICSSS.2014.7006183. **citations: 04**
10. **B. B. Kirankumar**, Vinay Shettar, Sneha B. Kotin and B. G. Sheeparamatti, “**Design and Simulation of MEMS Capacitive Pressure sensor**”, Second International Conference on Emerging Research in Computing, Information, Communication and Applications, ERCICA 2014, ISBN: 9789351072621, pp. 777-781, Elsevier publication 2014. **citations: 01**
11. Gousiya K. Koradur, Ravi M. Bashetti, B. G. Sheeparamatti, **Kirankumar B. Balavalad**, “**Simulation Study on Different Microcantilever Geometries for Sensing and Actuating Applications**”, ISSS International conference on Smart Materials, Structures and Systems, July 08-11, 2014, Bangalore, India.
12. Ajayakumar C. katageri, **Kirankumar B. Balavalad**, Supriya B. Harlapur, Poornima M. Chanal, “**Optimization of LEACH Protocol for Effective Power Utilization in Wireless Sensor Networks**”, CIIT, Bombay, 2013. **citations: 01**
13. J. D. Mallapur, Vishwant M. Harnal, **Kirankumar B. Balavalad**, “**Intelligent Location Tracking for Managing Users**”, Proceedings of national Conference on, Innovations and Trends in Computer and Communication Engineering (ITCCE-2011), , organized by Department of Electronics and Communication Engineering, 25th February 2011, MET Institute of Engineering, Nasik, Maharashtra.
14. J. D. Mallapur, Ajaykumar C. Katageri, **Kirankumar B. B** and Y. Bendigeri, “**Heterogenous Network Security**”, Proceedings of National Conference on Networking, Embedded & wireless Systems (NEWS-2010), Organized by the Department of Electronics and Communication Engineering, 6th August 2010, BMS College of Engineering, Bangalore.
15. J.D. Mallapur, Chetan mathapati, **Kirankumar B. Balavalad**, Ajaykumar katageri, “**QoS Based Route Selection for Multicast Group in Wireless Multimedia Networks**”, Proc. Of INDICON 2009, 18-20 Dec, 2009. **citations: 01**
16. **K. B. Balavalad**, S. S. Manvi and A. V. Sutagundar, “**Context Aware Computing in Wireless Sensor Networks,**” *2009 International Conference on Advances in Recent Technologies in Communication and Computing*, Kottayam, Kerala, 2009, pp. 514-516. Doi:

		10.1109/ARTCom.2009.85. (Indexing: Scopus, SCLimago), citations: 23
Invited Talks	:	<ol style="list-style-type: none"> 1. Guest speaker on title “Development and Fabrication of Micro Piezoresistive Pressure Sensor ”, in 5 days ATAL FDP on, Trends in MEMS and Nanotechnology, Organized by ALVA’s Institute of technology Moodbidire, 01-12-2021 to 11-12-2021. 2. “Random Variables & Process”, “One day guest lecture on Probability, Random Variables & Process”, SGBIT, Belagavi, 19th May 2018. 3. “Random Variables & Process”, “One day guest lecture on Random Variables & Process”, SGBIT, Belagavi, 17th April 2017 4. “Human Resource Development”, “HRD Training for 1st year B. E. Students”, TPC, BEC, Bagalkot, 10th & 11th Oct. 2015. 5. “Scaling Laws for basic modeling elements in MEMS”, FDP on “Design, Modeling & Simulation of MEMS Devices”, Dept. ECE, BEC, Bagalkot., 2013. 6. “Modeling of VLSI circuits using SPICE & Magic”, AICTE sponsored five-day workshop on Overview of Embedded systems & VLSI technology, Vastrad Polytechnic, Guledgudd, 2013. 7. Introduction and general design of Embedded Systems, “One Week student Development Program on Embedded Systems Design”, Dept. of ECE, BEC, Bagalkot, 2012. 8. “MAC-Layer”, Orientation program on Computer Communication Networks, Dept. ITE, BEC, Bagalkot., 2012. 9. “Computer Data Communication”, Orientation program on Computer Communication Networks, Dept. MCA, BEC, Bagalkot, 2012. 10. “Time Management”, “Effective Teaching Practices” For newly joined faculties, Placement cell, BEC., Bagalkot, 2011.
Events Organized	:	<ol style="list-style-type: none"> 1. Kirankumar B. Balavalad & Anand H. U, State Level Technical Fest (2-day), Blizzard – 11, March-2011. 2. Kirankumar B. Balavalad & Ajayakumar C. Katageri, SDP (2-day), “Campus to Corporate” Under TEQIP-II, 18th May 2013. 3. Kirankumar B. Balavalad & Dr. B. G. Sheeparamatti, FDP (3-days), “Design, Modeling & Simulation of MEMS Devices” Under TEQIP-II, 10th to 12th July 2013. 4. Kirankumar B. Balavalad, Dr. B. G. Sheeparamatti & Ajayakumar C. K, FDP (3-days), “Recent Trends in Micro Pressure Sensors & RF MEMS” under TEQIP-II, 20th – 22nd October 2016. 5. Kirankumar B. Balavalad, Guest Lecture, “Cloud Computing” under TEQIP-III, 07th July 2018. 6. Kirankumar B. Balavalad, V. S. Jiganni & Ajayakumar C. Katageri, SDP, “LabVIEW and its Applications”, 1st to 3rd March 2019. 7. Dr. J. D. Mallapur, Dr. V. S. Jigajinni & Dr. Kirankumar B B, Webinar, “What You Believe You can Achieve”, Sep. 24th 2020. 8. Dr. Kirankumar B. Balavalad, Webinar, “IEEE- A Patternner in an Engineer’s Journey”, Sep. 8th 2020. 9. Dr. Kirankumar B. Balavalad, M. C. Aralimarad, Anand H. U., Dr. K. Y. Bendigeri and A. C. Katageri, 2 days online webinar, “Recent Trends in Electronics & Communication Engineering”, 2020.

Online Courses Attended	:	<ol style="list-style-type: none"> 1. R Language & R Studio, CIT., Bengaluru under IITB Spoken Tutorials. 2. Digital Transformation in Teaching and learning process, TEIP-3 Online Certification NPIU, IITB, SWAYAM. 3. Hands on Training on Solar Lamp Assembly, IITBX, Mumbai
Reviewer of	:	<ol style="list-style-type: none"> 1. Journal of Electronics Materials (JEMS), Springer. 2. International Conference on Signal Processing Systems, IEEE publication, ICPS 2015, Organized by AUT University, Auckland, Newzeland. 3. AIP Advances, AIP Publishers
Conferences/ Symposiums/ Workshops/ Training Programs Attended	:	<ol style="list-style-type: none"> 1. 2-day FDP on “Examinations Reforms”, organized by BEC., Bagalkot, 2020. 2. 5-day Hands on training on “INUP Hands on Training Program on Nanofabrication”, oraganized by CEN, INUP, IITB, Mumbai, 19th to 23rd Feb. 2018. 3. 3-day workshop on “Scilab”, Organized by BEC., Bagalkot, 2017. 4. 3-day workshop on “Phyton Programming”, Organized by BEC., Bagalkot, 2017 5. 1-day seminar on “Fabrication and Characterization of Thin Film Samples of Electronic and Opto-Electronic Materials”, organized by BEC., Bagalkot, 2nd March 2017. 6. 3-day workshop on “Research Problem Analyses through Design of Experiments”, BEC, Bagalkot, Sponsered by CEP, IIT Bombay, 20th -22nd Jan. 2017. 7. 5-day workshop on “Thin Film and Nanomaterials for Device Applications”, organized by ECE Dept., NMIT, Bengaluru, 19th Jan to 23rd Jan 2016. 8. 1-day workshop on “Outcome Based Education” (TEQIP-II)”, TEQIP-II, BEC, Bagalkot, 18th Dec. 2016. 9. 1-day hands-on training on “Thin Film Coating and Lithographic Techniques” (TEQIP-II)”, ECE dept., BEC Bagalkot, 6th Nov. 2016. 10. 1-day workshop on “IEEE-MTT-APS Sponsored Distinguished Speaker Program on Antenna and Propagation”, ECE, Dept., BEC, Bagalkot, 11thSep. 2015. 11. 1-day workshop on “Implementation of ICT Initiatives in TEQIP Institutions”, Department of Higher Education, Govt. of Karnataka, Bengaluru, 9th Sep. 2015. 12. 2-day workshop on “Recent Trends in VLSI Signal Processing”, ECE dept., NMIT, Bengaluru, 1st and 2nd Sep 2015. 13. 3-day workshop on “Signal, Image Processing & SDR Using LabView”, ECE Dept., JSSATE, Bengaluru, 22nd to 24th June 2015. 14. 5-day workshop on “Research Methodologies and Latex”, VTU, Belagavi, 10th to 12th July, 2014. 15. 3-day FDP on “Intel Atom Processor based Embedded System Design and Development” (TEQIP-II), BEC, Bagalkot, 28th to 30th May 2014. 16. 11-days FDP on “Capacity Building through Effective Teaching and Learning”, Indian Institute of Science (IISc), Bengaluru, Nov 25th to Dec 6th, 2013.

	<p>17. 3-day FDP on “Antenna & RF-Wireless Communication”, IIIT, Kancheepuram, Chennai, July 2013.</p> <p>18. 3-day FDP on “Soft and Evolutionary computing skills” (TEQIP-II), Dept. of ECE, BEC, Bagalkot, 30th to 2nd May-June, 2013.</p> <p>19. 3-day FDP on “Technical Documentation using Latex” (TEQIP-II), Dept. of ECE, BEC, Bagalkot, 27th to 29th May, 2013.</p> <p>20. 3-day FDP on “Implementation of signal processing algorithms using FPGA” (TEQIP-II), Dept. of ECE, BEC, Bagalkot, 21st to 23rd May, 2013.</p> <p>21. 3-day FDP on “Recent Advances in Wireless Sensor Networks” (TEQIP-II), Dept. of ECE, BEC, Bagalkot, 16th to 18th May, 2013</p> <p>22. 3-day FDP on “Micro and Nano Techonology”, MSRIT, Bengaluru, 17th to 19th April, 2013.</p> <p>23. 1-week Hands-on Training program on “15th INUP Hands-on Training Workshop on Nanofabrication Technologies”, IIT Bombay, Mumbai, 28 Jan- 01 Feb, 2013.</p> <p>24. 3-day workshop on “Nanochemical Sensing”, IIT Bombay, Mumbai, 6-8th June, 2012.</p> <p>25. 2-day international program on “Indian Nano-Users Program”, IIT Bombay, Mumbai, 4-5th June, 2012</p> <p>26. 5-day workshop on “Robotics and Instrumentation”, BEC, Bagalkot, 24-28th march-2012.</p> <p>27. 2-day national users’ program on “LTCC Fabrication and Application”, ‘C-MET’, Pune, 13-14 May, 2011.</p> <p>28. 3-day workshop on “Embedded Systems & Robotics”, PESITM, Shimogga, Nov. 2011.</p> <p>29. 3-day FDP on “Modeling, simulation and Fabrication of MEMS Devices”, BVBCET, Hubli, 10-12 March, 2011.</p> <p>30. 3-day FDP on “Recent Advances in Wireless Sensor Networks”, BEC, Bagalkot, 10-12 Feb, 2011.</p> <p>31. 3-day training program on “Effective practices of teaching”, BEC, Bagalkot, 27th jan-to-29th Jan 2010.</p> <p>32. 1-day workshop on “FPGA using ALTERA”, BEC, Bagalkot, 2009.</p> <p>33. 3-day workshop on “VLSI using Cadence”, BVB, Hubli, 2009.</p> <p>34. 4-day workshop on “Wireless Sensor Networks”, BEC, Bagalkot, 2009.</p>
<p>Awards and Honors</p>	<p>1] Gold Medal for being 1st Rank for M. Tech in Digital Communications,</p> <p>2] “A MEMS Electro Thermal Actuator designed for SOIMUMPS” Selected and Fabricated at IISc, Bengaluru, Under SOI Community Chip Scheme.</p> <p>3] Received TEQIP-II grants for presenting paper titled, “Multipath-LEACH an Energy Efficient Routing Algorithm for Wireless Sensor Network” at international conference, held at Toronto, Canada-2014.</p> <p>4] Fabricated Polysilicon on Insulator (PolySOI) based Micro Piezoressiveive Pressure Sensor at CeNSE lab, Nano electronics Building, IITB Powai, Mumbai, under INUP-a government scheme to promote Nano fabrication in India.</p>

(Dr. Kirankumar B Balavalad)